

## **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 2019

State	Location	Code
Arkansas	Fayetteville	AR1
Connecticut	Storrs	CT1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Iowa	Ames (Shade)	IA2
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Nebraska	Mead	NE1
New Jersey	Adelphia	NJ2
New Jersey	North Brunswick	NJ1
New Jersey	North Brunswick (Traffic Stress)	NJ3
North Carolina	Raleigh	NC1
North Dakota	Fargo	ND1
Oklahoma	Stillwater	OK1
Tennessee	Knoxville	TN1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Virginia	Blacksburg (Traffic Stress)	VA2

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 Finish Line (NAI-14-178)	Columbia River Seed	*79 Kenblue	Standard
2 A13-1	Landmark Turf & Native Seed	*41 Heartland (NAI-14-187)	Columbia River Seed	*80 Paloma (PST-K13-139)	Pure-Seed Testing, Inc.
3 A99-2897	Turf Merchants, Inc.	*42 Aviator II (NAI-15-84)	Columbia River Seed	81 PST-K13-141	Pure-Seed Testing, Inc.
*4 Syrah (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 Bombay (GO-22B23)	Grassland Oregon	85 PST-K15-167	Pure Seed Testing Inc.
*8 Babe	Seeds Inc.	*47 Starr (GO-2628)	Grassland Oregon	*86 New Moon (PST-K15-177)	Pure Seed Testing Inc.
9 AKB3128	Pennington Seed	*48 Cloud (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 NuRush (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 Jersey (NAI-A16-3)	SiteOne Landscape Supply	68 PPG-KB 1320	Mountain View Seeds		
*30 Twilight (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 Blue Gem (NAI-13-9)	Columbia River Seed	71 A10-280	Mountain View Seeds		
*33 United (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		
37 NAI-14-132	Columbia River Seed	76 A16-17	Peak Plant Genetics		
*38 Amaze (NAI-14-133)	Columbia River Seed	*77 Prosperity	Blue Mt. Seeds, Inc.		
*39 Comanche (NAI-14-176)	Columbia River Seed	78 A06-8	Blue Mt. Seeds, Inc.		

\*COMMERCIALY AVAILABLE IN THE US OR ANY OTHER COUNTRY IN 2020

TABLE A.

2019 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	TO PREVENT DORMANCY
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 LOAM	7.1-7.5	0-60	0-150	1.1-2.0	PARTIAL SHADE	2.6-3.0	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	4.1+	NO IRRIGATION
KY1	SILT LOAM AND SILT	4.6-5.5	451+	376-500	0.0-1.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE 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	2.1-2.5	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
NJ1	LOAM	5.6-6.0	151-270	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	376-500	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	LOAM	5.6-6.0	151-270	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OK1	LOAM	7.1-7.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
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 DORMANCY
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
VA2	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 2019															
LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
AR1				X	X	X	X	X	X				X		X
CT1					X	X	X	X	X	X			X	X	X
IA1				X	X	X	X	X	X	X			X	X	X
IA2				X	X	X	X	X	X	X	X		X	X	X
IN1					X	X	X	X	X	X			X	X	X
KY1				X	X	X	X	X	X	X	X				
MD1				X		X	X	X	X	X					
MI1					X	X	X	X	X	X			X	X	X
MN1					X	X	X	X	X	X			X	X	X
NC1			X	X	X	X	X	X	X	X	X		X	X	X
ND1					X	X	X	X	X	X			X		
NE1				X	X	X	X	X	X	X			X	X	X
NJ1				X	X	X	X	X	X	X			X	X	X
NJ2				X	X	X	X	X	X	X	X		X	X	X
NJ3															
OK1		X	X	X	X	X	X	X	X	X	X		X	X	X
TN1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UT1				X	X	X	X	X	X	X			X	X	X
VA1					X	X	X	X	X	X					
VA2					X	X	X	X							

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 2019																
LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	WILTING MAY	WILTING AUG	STEM RUST	DOLLAR SPOT	SUMMER PATCH	FALL COLOR OCTOBER	SEEDHEAD RATINGS	UNIFORMITY RATINGS	SUMMER PATCH AUGUST
AR1				X	X	X						X				
CT1		X														
IA1		X														
* IA2	X	X	X													
IN1	X	X								X	X			X		
KY1							X	X	X							
MD1																
MI1				X						X	X					
MN1				X												
NC1		X	X									X (JUN)	X			X
ND1	X	X	X	X	X	X										
NE1			X												X	
NJ1														X		
NJ2			X			X						X			X	
* NJ3																
OK1	X	X	X	X	X							X				
TN1	X	X	X	X	X	X										
UT1			X													
VA1				X												
* VA2																

\* MORE DATA FOR IA2, NJ3 AND VA2 IN TABLE 12, 10 AND 11.



TABLE 1.

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*\*/  
2019 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	CT1	NJ1	MD1	NC1	KY1	MN1	IA1	AR1	MEAN
*STARR (GO-2628)	47	7.2	7.6	5.7	5.7	6.6	5.4	6.6	6.8	6.4
*BOMBAY (GO-22B23)	46	7.2	7.8	5.7	5.7	6.5	5.4	6.6	6.8	6.4
*AFTER MIDNIGHT	15	7.1	8.2	5.5	5.5	6.4	5.3	6.5	6.7	6.4
*CLOUD (GO-2425)	48	7.1	7.5	5.7	5.6	6.6	5.4	6.6	6.8	6.4
A11-26	67	6.9	7.3	5.5	5.5	6.3	5.1	6.3	6.6	6.1
PST-K11-118	82	6.9	7.1	5.4	5.3	6.4	5.3	6.4	6.5	6.1
*SKYE	45	6.9	6.6	5.5	5.4	6.5	5.3	6.5	6.5	6.1
*NURUSH (J-3510)	19	6.9	6.8	5.5	5.4	6.4	5.3	6.5	6.5	6.1
*BARSERATI (BAR PP 110358)	27	6.9	6.3	5.6	5.5	6.5	5.3	6.5	6.6	6.1
*JERSEY (NAI-A16-3)	29	6.8	8.1	5.1	4.9	6.1	5.2	6.2	6.3	6.1
J-1138	16	6.8	6.2	5.6	5.4	6.5	5.3	6.5	6.5	6.1
PPG-KB 1131	70	6.8	7.1	5.4	5.3	6.3	5.2	6.3	6.4	6.1
*BLUE GEM (NAI-13-9)	32	6.7	6.5	5.4	5.3	6.4	5.2	6.4	6.4	6.0
*NEW MOON (PST-K15-177)	86	6.7	6.8	5.3	5.0	6.4	5.4	6.4	6.3	6.0
KH3492	13	6.7	7.3	5.2	4.9	6.3	5.3	6.3	6.3	6.0
DLFPS-340/3550	60	6.7	5.7	5.6	5.4	6.6	5.4	6.6	6.5	6.0
*FINISH LINE (NAI-14-178)	40	6.7	7.0	5.3	5.1	6.3	5.2	6.3	6.3	6.0
*BLUE DEVIL	44	6.7	6.9	5.3	5.1	6.3	5.2	6.3	6.3	6.0
PPG-KB 1304	74	6.7	5.9	5.5	5.5	6.4	5.2	6.4	6.5	6.0
PST-K15-172	87	6.7	7.1	5.3	5.2	6.2	5.0	6.2	6.3	6.0
BAR PP 79494	26	6.7	6.1	5.4	5.1	6.5	5.4	6.5	6.4	5.9
J-2726	18	6.7	7.4	5.1	5.0	6.1	5.1	6.2	6.2	5.9
*YELLOWSTONE (A12-7)	14	6.6	6.7	5.3	5.0	6.3	5.3	6.4	6.3	5.9
*TWILIGHT (NAI-13-132)	30	6.6	6.3	5.3	5.1	6.4	5.3	6.4	6.3	5.9
*PROSPERITY	77	6.6	7.2	5.1	4.7	6.2	5.3	6.3	6.2	5.9
*MIDNIGHT	88	6.6	6.5	5.3	5.2	6.2	5.1	6.3	6.3	5.9
A11-40	1	6.6	6.2	5.3	4.9	6.4	5.3	6.4	6.2	5.9
*UNITED (NAI-13-14)	33	6.6	5.8	5.4	5.2	6.4	5.2	6.4	6.3	5.8
*BARVETTE HGT®	23	6.5	5.9	5.3	5.1	6.3	5.2	6.3	6.3	5.8
J-1319	17	6.5	6.0	5.2	4.9	6.4	5.3	6.4	6.2	5.8
AKB3179	10	6.5	5.8	5.2	4.9	6.4	5.4	6.5	6.2	5.8
A16-17	76	6.5	6.1	5.3	5.2	6.2	4.9	6.1	6.3	5.8
*SYRAH (LTP-11-41)	4	6.5	5.6	5.3	5.1	6.4	5.2	6.4	6.2	5.8
PST-T14-39	89	6.5	6.4	5.2	5.0	6.1	5.0	6.2	6.2	5.8
A16-2	73	6.5	6.6	5.1	4.8	6.1	5.1	6.2	6.1	5.8
DLFPS-340/3556	51	6.5	5.5	5.3	5.2	6.3	5.1	6.3	6.3	5.8
BAR PP 79366	22	6.5	5.3	5.4	5.3	6.4	5.1	6.3	6.3	5.8
DLFPS-340/3500	54	6.5	5.8	5.3	5.1	6.2	5.0	6.2	6.2	5.7
BAR PP 71213	20	6.5	6.5	5.1	5.0	6.1	4.9	6.1	6.2	5.7
A11-38	69	6.4	6.5	5.0	4.5	6.1	5.2	6.2	6.0	5.7
*BABE	8	6.4	6.2	5.0	4.7	6.2	5.2	6.2	6.0	5.7
PST-11-7	84	6.4	6.6	5.0	4.7	6.0	5.0	6.1	6.0	5.7
PST-K15-167	85	6.4	6.5	5.0	4.7	6.0	5.0	6.1	6.0	5.7
DLFPS-340/3552	62	6.4	5.1	5.3	5.0	6.3	5.1	6.3	6.1	5.6
DLFPS-340/3549	56	6.3	6.5	4.9	4.5	6.0	5.1	6.1	5.9	5.6
AKB3128	9	6.3	5.0	5.2	5.0	6.3	5.1	6.3	6.1	5.6
BAR PP 7236V	25	6.3	5.5	5.1	5.0	6.2	5.0	6.1	6.1	5.6
*ORION (PST-K13-143)	35	6.2	5.8	4.9	4.6	6.1	5.1	6.2	5.9	5.6
*SELWAY	7	6.3	5.9	5.0	4.7	6.1	5.0	6.1	6.0	5.6
A06-8	78	6.3	5.2	5.1	4.8	6.2	5.1	6.2	6.0	5.6
AKB3241	11	6.3	4.8	5.2	4.9	6.3	5.2	6.3	6.1	5.6
DLFPS-340/3494	53	6.2	5.4	5.0	4.4	6.3	5.3	6.3	5.9	5.6

TABLE 1.  
(CONT'D)

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*\*/  
2019 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	CT1	NJ1	MD1	NC1	KY1	MN1	IA1	AR1	MEAN
DLFPS-340/3553	52	6.3	4.9	5.2	5.1	6.2	4.9	6.2	6.1	5.6
BAR PP 7K426	24	6.2	5.1	5.1	4.8	6.2	5.1	6.2	6.0	5.5
PPG-KB 1320	68	6.1	6.4	4.7	4.1	6.0	5.3	6.2	5.7	5.5
*PALOMA (PST-K13-139)	80	6.1	5.8	4.8	4.3	6.1	5.3	6.2	5.8	5.5
BAR PP 7309V	21	6.2	4.7	5.1	4.8	6.3	5.1	6.2	6.0	5.5
DLFPS-340/3551	61	6.2	4.6	5.2	4.9	6.2	5.0	6.2	6.0	5.5
DLFPS-340/3548	57	6.1	5.7	4.9	4.5	6.0	5.0	6.1	5.8	5.5
A99-2897	3	6.2	3.9	5.3	5.1	6.3	5.0	6.3	6.1	5.5
A10-280	71	6.2	4.1	5.2	5.0	6.3	5.1	6.2	6.0	5.4
DLFPS-340/3455	59	6.1	5.5	4.9	4.6	6.0	4.9	6.0	5.8	5.4
NAI-14-128	36	6.1	4.8	5.0	4.6	6.2	5.1	6.2	5.8	5.4
A16-7	65	6.1	4.6	5.0	4.7	6.2	5.1	6.2	5.9	5.4
*SHAMROCK	72	6.1	5.9	4.7	4.3	5.9	5.0	6.0	5.7	5.4
*PIVOT	43	6.1	4.7	5.0	4.6	6.1	5.0	6.1	5.8	5.4
NAI-14-122	34	6.0	5.0	4.9	4.4	6.1	5.1	6.2	5.8	5.4
A13-1	2	6.1	3.8	5.2	5.1	6.2	4.9	6.1	6.0	5.3
MVS-130	63	6.0	4.8	4.9	4.5	6.1	5.0	6.1	5.8	5.3
A15-6	75	6.0	4.7	4.9	4.7	6.0	4.9	6.0	5.8	5.3
RAD-1776	28	5.9	4.6	4.9	4.4	6.1	5.1	6.1	5.7	5.3
DLFPS-340/3444	58	5.9	5.7	4.6	4.1	5.8	4.9	5.9	5.6	5.3
A12-34	66	6.0	4.3	5.0	4.6	6.1	5.0	6.1	5.8	5.3
PST-K13-141	81	6.0	4.2	5.0	4.8	6.1	4.9	6.1	5.9	5.3
A16-1	64	5.9	5.5	4.6	4.1	5.9	5.0	5.9	5.6	5.3
*HEARTLAND (NAI-14-187)	41	5.9	4.8	4.7	4.3	6.0	4.9	6.0	5.6	5.2
DLFPS-340/3438	55	5.9	4.2	4.9	4.7	6.0	4.8	6.0	5.8	5.2
*COMANCHE (NAI-14-176)	39	5.8	4.5	4.8	4.2	6.1	5.1	6.1	5.6	5.2
DLFPS-340/3446	50	5.9	4.3	4.8	4.5	6.0	4.9	6.0	5.7	5.2
PST-K15-157	83	5.8	3.7	4.9	4.4	6.2	5.1	6.2	5.7	5.2
RAD 553	6	5.8	4.1	4.8	4.4	6.1	5.0	6.1	5.6	5.2
*AVIATOR II (NAI-15-84)	42	5.8	4.4	4.7	4.1	6.1	5.1	6.1	5.5	5.2
NAI-14-132	37	5.8	3.8	4.9	4.4	6.1	5.1	6.1	5.6	5.2
*AMAZE (NAI-14-133)	38	5.8	4.0	4.8	4.4	5.9	4.8	5.9	5.6	5.1
*BLUE KNIGHT	5	5.6	4.3	4.4	3.9	5.8	4.8	5.8	5.3	4.9
NK-1	12	5.5	2.2	4.8	4.5	6.0	4.8	5.9	5.5	4.8
NAI-15-80	31	5.4	2.3	4.7	4.2	6.1	4.9	6.0	5.4	4.8
DLFPS-340/3364	49	5.4	2.8	4.6	4.1	5.9	4.7	5.8	5.3	4.8
*KENBLUE	79	5.2	4.0	4.1	3.6	5.4	4.4	5.4	5.0	4.6
LSD VALUE		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
C.V. (%)		10.5	11.8	13.0	13.8	10.7	13.0	10.7	11.0	11.8

\* COMMERCIALY AVAILABLE IN THE USA IN 2020

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

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

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

TABLE 2.

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
2019 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						MEAN
	VA1	IN1	MI1	NE1	ND1	UT1	
DLFPS-340/3550	5.9	5.6	6.6	5.3	6.9	4.2	5.8
STARR (GO-2628)	5.9	5.5	6.6	5.3	6.8	4.1	5.7
J-1138	5.8	5.5	6.5	5.2	6.8	4.1	5.7
AKB3179	6.0	5.4	6.3	5.3	7.1	3.9	5.7
CLOUD (GO-2425)	5.8	5.4	6.6	5.2	6.8	4.1	5.7
BAR PP 79494	5.9	5.4	6.4	5.2	6.9	4.0	5.6
BARSERATI (BAR PP 110358)	5.8	5.5	6.6	5.2	6.7	4.1	5.6
SKYE	5.8	5.4	6.5	5.2	6.7	4.0	5.6
TWILLIGHT (NAI-13-132)	5.9	5.3	6.3	5.2	6.9	3.9	5.6
BOMBAY (GO-22B23)	5.8	5.4	6.5	5.2	6.7	4.0	5.6
PPG-KB 1304	5.6	5.5	6.5	5.1	6.6	4.0	5.6
J-1319	5.9	5.3	6.3	5.2	7.0	3.9	5.6
A11-40	5.9	5.3	6.3	5.2	6.9	3.9	5.6
SYRAH (LTP-11-41)	5.8	5.4	6.4	5.2	6.8	3.9	5.6
NEW MOON (PST-K15-177)	5.9	5.3	6.3	5.2	6.9	3.8	5.6
A99-2897	5.6	5.5	6.5	5.1	6.7	4.0	5.6
NURUSH (J-3510)	5.7	5.4	6.4	5.1	6.7	4.0	5.6
AKB3241	5.8	5.4	6.3	5.1	6.9	3.9	5.6
UNITED (NAI-13-14)	5.7	5.4	6.4	5.1	6.8	3.9	5.6
DLFPS-340/3494	6.0	5.2	6.1	5.2	7.1	3.7	5.5
BLUE GEM (NAI-13-9)	5.7	5.3	6.4	5.1	6.7	3.9	5.5
A10-280	5.6	5.4	6.4	5.1	6.8	4.0	5.5
BAR PP 79366	5.6	5.4	6.5	5.1	6.6	4.0	5.5
DLFPS-340/3556	5.7	5.4	6.4	5.1	6.7	3.9	5.5
BAR PP 7309V	5.7	5.3	6.2	5.1	6.9	3.8	5.5
DLFPS-340/3552	5.6	5.3	6.3	5.1	6.7	3.9	5.5
PST-K15-157	5.8	5.3	6.1	5.1	6.9	3.8	5.5
BARVETTE HGT®	5.7	5.3	6.3	5.1	6.7	3.9	5.5
PST-K11-118	5.7	5.3	6.4	5.1	6.7	3.9	5.5
AKB3128	5.7	5.3	6.3	5.1	6.7	3.9	5.5
AFTER MIDNIGHT	5.8	5.2	6.4	5.1	6.7	3.8	5.5
YELLOWSTONE (A12-7)	5.8	5.2	6.2	5.1	6.8	3.8	5.5
A06-8	5.7	5.2	6.2	5.1	6.8	3.8	5.5
DLFPS-340/3551	5.6	5.3	6.3	5.0	6.7	3.9	5.5
BAR PP 7K426	5.7	5.2	6.2	5.0	6.8	3.8	5.4
NAI-14-132	5.7	5.2	6.1	5.0	6.9	3.7	5.4
NAI-14-128	5.7	5.2	6.1	5.0	6.8	3.7	5.4
RAD-1776	5.8	5.2	6.0	5.1	6.9	3.7	5.4
A16-7	5.7	5.2	6.1	5.0	6.8	3.8	5.4
PROSPERITY	5.9	5.0	6.0	5.1	6.9	3.6	5.4
BLUE DEVIL	5.7	5.1	6.2	5.0	6.7	3.7	5.4
FINISH LINE (NAI-14-178)	5.7	5.1	6.2	5.0	6.7	3.7	5.4
A12-34	5.6	5.2	6.1	5.0	6.8	3.7	5.4
KH3492	5.8	5.1	6.1	5.0	6.8	3.7	5.4
PPG-KB 1131	5.6	5.2	6.3	5.0	6.6	3.8	5.4
NAI-15-80	5.6	5.3	6.0	5.0	6.8	3.7	5.4
NAI-14-122	5.8	5.1	6.0	5.0	6.9	3.6	5.4
A13-1	5.4	5.4	6.4	4.9	6.5	3.9	5.4
RAD 553	5.7	5.2	6.0	5.0	6.8	3.7	5.4
PIVOT	5.6	5.2	6.1	5.0	6.7	3.7	5.4
DLFPS-340/3500	5.5	5.2	6.3	5.0	6.6	3.8	5.4
DLFPS-340/3553	5.5	5.3	6.3	4.9	6.5	3.8	5.4

TABLE 2.  
(CONT'D)

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
2019 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	VA1	IN1	MI1	NE1	ND1	UT1	MEAN
PALOMA (PST-K13-139)	5.9	5.0	5.9	5.1	7.0	3.5	5.4
A11-26	5.5	5.2	6.3	5.0	6.5	3.8	5.4
AVIATOR II (NAI-15-84)	5.8	5.1	5.9	5.0	7.0	3.6	5.4
MIDNIGHT	5.6	5.1	6.2	4.9	6.5	3.7	5.4
NK-1	5.4	5.3	6.1	4.9	6.6	3.8	5.4
COMANCHE (NAI-14-176)	5.7	5.1	5.9	5.0	6.9	3.6	5.4
BABE	5.7	5.1	6.0	5.0	6.7	3.6	5.4
ORION (PST-K13-143)	5.7	5.0	6.0	5.0	6.8	3.6	5.4
A11-38	5.8	5.0	5.9	5.0	6.8	3.6	5.4
PST-K13-141	5.4	5.2	6.2	4.9	6.5	3.7	5.3
BAR PP 7236V	5.5	5.1	6.2	4.9	6.5	3.7	5.3
PPG-KB 1320	5.9	4.9	5.7	5.0	7.0	3.4	5.3
MVS-130	5.6	5.1	6.0	4.9	6.7	3.6	5.3
A16-2	5.6	5.0	6.0	4.9	6.6	3.6	5.3
PST-K15-172	5.5	5.0	6.2	4.9	6.5	3.6	5.3
A16-17	5.4	5.1	6.2	4.8	6.4	3.7	5.3
DLFPS-340/3446	5.5	5.1	6.0	4.9	6.6	3.6	5.3
PST-T14-39	5.5	5.0	6.1	4.9	6.5	3.6	5.3
DLFPS-340/3438	5.4	5.1	6.1	4.8	6.5	3.6	5.3
SELWAY	5.5	5.0	6.0	4.9	6.6	3.6	5.3
DLFPS-340/3548	5.6	5.0	5.9	4.9	6.7	3.5	5.3
J-2726	5.6	4.9	6.0	4.9	6.5	3.6	5.2
A15-6	5.4	5.1	6.0	4.8	6.5	3.6	5.2
JERSEY (NAI-A16-3)	5.6	4.9	6.0	4.9	6.6	3.5	5.2
DLFPS-340/3455	5.5	5.0	5.9	4.8	6.6	3.5	5.2
HEARTLAND (NAI-14-187)	5.5	5.0	5.9	4.8	6.6	3.5	5.2
DLFPS-340/3549	5.6	4.9	5.9	4.9	6.6	3.4	5.2
PST-11-7	5.5	4.9	5.9	4.8	6.6	3.5	5.2
AMAZE (NAI-14-133)	5.4	5.0	5.9	4.8	6.5	3.5	5.2
DLFPS-340/3364	5.4	5.0	5.9	4.8	6.6	3.5	5.2
PST-K15-167	5.5	4.9	5.9	4.8	6.5	3.5	5.2
BAR PP 71213	5.4	5.0	6.1	4.8	6.3	3.6	5.2
A16-1	5.6	4.8	5.7	4.8	6.7	3.3	5.1
SHAMROCK	5.5	4.8	5.7	4.8	6.6	3.3	5.1
DLFPS-340/3444	5.5	4.7	5.6	4.7	6.6	3.3	5.1
BLUE KNIGHT	5.5	4.8	5.6	4.7	6.6	3.3	5.1
KENBLUE	5.0	4.4	5.3	4.3	6.2	2.9	4.7
LSD VALUE	1.1	1.1	1.1	1.1	1.1	1.1	1.1
C.V. (%)	11.8	12.9	10.8	13.3	9.9	17.8	12.3

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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 \*/  
2019 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/					TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	NJ2	TN1	OK1	MEAN	NAME	NJ2	TN1	OK1	MEAN
PPG-KB 1304	7.3	6.2	6.1	6.5	A16-7	4.6	5.5	5.3	5.1
BARSERATI (BAR PP 110358)	6.9	6.1	6.0	6.4	A11-40	4.5	5.5	5.4	5.1
A13-1	7.1	6.0	5.9	6.3	J-2726	4.8	5.3	5.2	5.1
A99-2897	6.8	6.1	6.0	6.3	NEW MOON (PST-K15-177)	4.4	5.5	5.4	5.1
STARR (GO-2628)	6.7	6.1	6.0	6.3	A12-34	4.4	5.5	5.3	5.1
BAR PP 79366	6.8	6.0	5.9	6.3	J-1319	4.3	5.5	5.3	5.0
CLOUD (GO-2425)	6.7	6.0	6.0	6.2	PIVOT	4.4	5.4	5.2	5.0
BOMBAY (GO-22B23)	6.8	6.0	5.9	6.2	SELWAY	4.6	5.3	5.2	5.0
A11-26	6.9	5.9	5.8	6.2	DLFPS-340/3446	4.5	5.3	5.2	5.0
A16-17	6.9	5.8	5.7	6.1	AKB3179	4.0	5.5	5.3	5.0
DLFPS-340/3550	6.3	6.1	6.0	6.1	A16-2	4.4	5.3	5.1	4.9
J-1138	6.4	6.0	5.9	6.1	AMAZE (NAI-14-133)	4.4	5.3	5.1	4.9
SKYE	6.4	6.0	5.9	6.1	KH3492	4.2	5.3	5.2	4.9
DLFPS-340/3553	6.6	5.9	5.8	6.1	PST-K15-167	4.4	5.2	5.1	4.9
NURUSH (J-3510)	6.4	5.9	5.8	6.0	JERSEY (NAI-A16-3)	4.4	5.2	5.1	4.9
DLFPS-340/3556	6.2	5.9	5.8	5.9	DLFPS-340/3455	4.3	5.2	5.1	4.9
A10-280	6.0	5.9	5.8	5.9	NAI-14-128	4.0	5.4	5.2	4.8
DLFPS-340/3500	6.2	5.8	5.7	5.9	NAI-15-80	3.9	5.4	5.2	4.8
BLUE GEM (NAI-13-9)	6.0	5.8	5.7	5.8	MVS-130	4.0	5.3	5.1	4.8
UNITED (NAI-13-14)	5.9	5.8	5.7	5.8	PST-K15-157	3.8	5.4	5.2	4.8
AFTER MIDNIGHT	6.0	5.7	5.7	5.8	BABE	4.0	5.3	5.1	4.8
PST-K11-118	5.9	5.8	5.7	5.8	PST-11-7	4.1	5.2	5.0	4.8
DLFPS-340/3552	5.9	5.8	5.7	5.8	DLFPS-340/3364	3.9	5.2	5.0	4.7
PPG-KB 1131	6.0	5.7	5.6	5.8	NAI-14-132	3.7	5.3	5.1	4.7
DLFPS-340/3551	5.9	5.8	5.7	5.8	RAD 553	3.6	5.3	5.1	4.6
MIDNIGHT	5.9	5.7	5.6	5.7	ORION (PST-K13-143)	3.5	5.2	5.0	4.5
BARVETTE HGT®	5.7	5.8	5.6	5.7	HEARTLAND (NAI-14-187)	3.5	5.1	4.9	4.5
AKB3128	5.7	5.8	5.6	5.7	DLFPS-340/3548	3.5	5.1	4.9	4.5
PST-K13-141	5.8	5.7	5.5	5.7	PROSPERITY	3.3	5.1	5.0	4.5
PST-K15-172	5.9	5.6	5.5	5.6	NAI-14-122	3.2	5.2	5.0	4.4
BAR PP 7236V	5.8	5.6	5.5	5.6	RAD-1776	3.2	5.2	5.0	4.4
BAR PP 71213	5.9	5.5	5.4	5.6	DLFPS-340/3549	3.4	5.0	4.8	4.4
SYRAH (LTP-11-41)	5.4	5.8	5.6	5.6	A11-38	3.0	5.0	4.8	4.3
NK-1	5.4	5.7	5.5	5.5	DLFPS-340/3494	2.7	5.2	4.9	4.3
BAR PP 79494	5.2	5.8	5.6	5.5	COMANCHE (NAI-14-176)	2.8	5.1	4.8	4.2
PST-T14-39	5.6	5.5	5.4	5.5	SHAMROCK	3.0	4.9	4.7	4.2
AKB3241	5.1	5.7	5.5	5.5	AVIATOR II (NAI-15-84)	2.2	5.0	4.7	4.0
DLFPS-340/3438	5.4	5.5	5.4	5.4	A16-1	2.3	4.7	4.5	3.9
BLUE DEVIL	5.2	5.5	5.4	5.4	DLFPS-340/3444	2.4	4.7	4.5	3.9
TWILIGHT (NAI-13-132)	5.0	5.7	5.5	5.4	PALOMA (PST-K13-139)	2.0	4.9	4.6	3.9
A15-6	5.3	5.5	5.3	5.4	BLUE KNIGHT	2.2	4.7	4.5	3.8
BAR PP 7K426	4.9	5.6	5.4	5.3	KENBLUE	2.2	4.4	4.2	3.6
FINISH LINE (NAI-14-178)	5.0	5.5	5.4	5.3	PPG-KB 1320	0.9	4.6	4.3	3.3
BAR PP 7309V	4.8	5.6	5.4	5.3					
YELLOWSTONE (A12-7)	4.7	5.5	5.4	5.2	LSD VALUE	1.1	1.1	1.1	1.1
A06-8	4.6	5.5	5.3	5.1	C.V. (%)	13.8	12.1	12.4	12.7

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

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

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

TABLE 4.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN AT TWELVE LOCATIONS IN THE U.S. 1/  
MAINTAINED USING "SCHEDULE A" \*\*  
2019 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	AR1	CT1	IA1	MI1	NC1	ND1	NE1	NJ1	NJ2	OK1	TN1	VA1	MEAN
STARR (GO-2628)	6.5	6.7	7.0	6.3	5.4	6.5	5.1	7.8	6.9	5.7	6.2	6.1	6.1
BOMBAY (GO-22B23)	6.5	6.6	5.6	6.8	5.2	6.2	5.4	8.1	6.9	5.9	5.8	5.7	6.1
CLOUD (GO-2425)	6.8	7.2	6.0	6.5	6.0	6.3	5.3	7.5	6.5	5.9	6.2	5.7	6.0
AFTER MIDNIGHT	7.2	7.8	5.3	5.4	6.1	7.3	5.2	8.0	5.7	6.1	6.4	5.9	6.0
BARSERATI (BAR PP 110358)	6.2	6.2	5.8	6.8	5.8	6.8	5.2	6.5	6.9	6.3	6.1	5.9	5.9
NURUSH (J-3510)	6.7	7.6	7.3	6.6	5.7	6.2	5.1	6.4	6.2	5.4	6.2	6.1	5.9
J-1138	6.5	7.0	6.9	6.1	6.5	7.2	5.4	6.0	6.1	6.0	6.4	5.8	5.9
PPG-KB 1304	6.2	6.9	6.5	6.7	5.2	6.3	5.0	5.9	7.4	5.7	5.9	5.4	5.9
SKYE	6.4	6.8	6.5	6.9	5.6	6.2	5.1	6.7	6.4	5.6	6.0	6.0	5.9
A11-26	6.1	6.7	6.8	6.0	5.0	6.1	4.9	7.4	7.3	5.4	6.0	6.2	5.9
DLFPS-340/3550	6.2	6.9	7.1	6.5	5.4	6.2	5.2	5.7	6.3	5.6	6.1	5.2	5.9
BAR PP 79494	6.8	7.1	7.0	5.6	6.0	7.2	5.1	5.8	5.0	5.8	6.0	5.9	5.8
BLUE GEM (NAI-13-9)	6.4	7.4	6.7	6.0	5.4	7.2	5.0	6.2	6.0	5.1	6.5	5.4	5.8
PST-K11-118	6.4	6.3	5.7	6.7	5.8	6.7	5.1	7.2	5.8	5.8	5.7	5.3	5.8
BAR PP 79366	6.1	6.7	6.0	7.2	5.5	6.3	5.0	5.2	6.6	6.3	6.0	5.5	5.8
UNITED (NAI-13-14)	6.8	7.3	7.3	6.3	5.4	6.5	4.9	5.4	5.6	5.5	6.4	5.3	5.7
A99-2897	6.1	6.8	6.3	6.6	4.4	6.5	5.1	3.8	6.9	6.3	6.0	6.2	5.7
TWILIGHT (NAI-13-132)	6.4	7.4	6.8	6.1	4.9	7.3	5.2	6.1	4.9	5.1	6.4	5.6	5.7
BARVETTE HGT®	6.3	5.4	6.6	6.4	5.7	7.3	4.9	6.1	5.7	5.8	6.0	5.9	5.7
DLFPS-340/3556	6.5	7.1	7.0	6.8	4.6	6.3	4.9	5.4	6.2	6.0	5.8	5.3	5.7
PPG-KB 1131	6.8	7.7	5.8	6.4	5.4	6.6	5.0	6.8	5.7	5.3	6.3	4.8	5.7
A11-40	5.5	6.3	5.7	7.4	4.5	7.0	5.1	6.4	4.5	5.6	5.2	6.3	5.7
DLFPS-340/3500	6.4	6.6	5.6	6.3	4.0	6.5	4.8	6.0	6.3	6.0	6.0	5.8	5.7
A16-17	5.9	6.3	7.0	5.1	4.7	6.2	5.0	6.2	7.1	6.1	5.1	5.4	5.7
SYRAH (LTP-11-41)	6.1	6.4	7.6	6.6	3.9	6.5	5.2	5.6	5.7	5.5	5.5	5.7	5.7
NEW MOON (PST-K15-177)	6.2	6.7	7.0	5.8	4.4	6.2	5.4	6.7	4.6	5.2	5.3	5.6	5.7
PST-K15-172	6.3	6.2	6.5	6.2	5.0	6.1	4.9	7.2	5.9	5.7	5.6	5.5	5.6
J-1319	6.3	7.3	6.9	5.6	5.7	6.3	5.3	5.5	4.3	5.1	5.6	5.9	5.6
FINISH LINE (NAI-14-178)	6.9	6.8	6.4	5.9	4.0	7.5	5.2	7.0	5.5	4.7	5.3	5.8	5.6
DLFPS-340/3552	5.6	6.7	6.5	6.4	4.9	6.2	5.0	5.1	5.9	5.5	5.5	5.6	5.6
YELLOWSTONE (A12-7)	5.9	6.3	6.6	6.7	4.8	7.2	5.0	6.9	5.0	5.0	5.4	5.8	5.6
KH3492	6.1	6.7	6.9	6.4	5.1	7.2	5.0	7.3	4.2	5.3	5.1	5.9	5.6
BLUE DEVIL	6.4	7.1	6.4	6.8	5.7	6.2	5.0	6.7	4.8	5.0	6.4	5.5	5.6
MIDNIGHT	7.1	7.4	6.7	6.6	5.3	6.5	5.0	6.2	5.7	5.3	6.1	4.8	5.6
AKB3179	6.0	5.7	6.8	6.7	4.7	7.5	5.3	6.0	4.3	5.3	5.1	6.0	5.6
AKB3241	6.2	5.9	6.0	6.0	4.1	7.5	5.1	5.0	5.5	5.0	5.8	5.8	5.6
DLFPS-340/3553	6.2	6.7	6.0	5.9	4.6	6.3	5.3	4.9	6.6	5.9	5.8	5.6	5.6
AKB3128	6.1	5.8	5.9	6.6	5.1	7.5	4.9	5.2	5.8	5.2	5.6	5.2	5.6
J-2726	6.3	7.4	5.0	6.0	5.3	6.1	4.9	7.1	4.7	5.4	4.9	5.9	5.6
A10-280	6.1	6.2	6.6	5.9	5.1	7.2	4.6	4.1	5.8	6.9	6.1	5.4	5.6
JERSEY (NAI-A16-3)	6.3	6.8	6.2	6.3	4.8	6.5	5.0	8.1	4.4	5.1	4.8	5.8	5.6
BAR PP 7309V	5.6	5.9	6.2	6.1	4.9	7.3	4.9	4.8	4.8	5.6	5.4	6.1	5.6
BAR PP 71213	6.1	5.9	6.0	6.3	5.5	7.2	4.7	6.7	6.0	5.7	5.1	6.1	5.5
A13-1	6.3	6.2	5.1	6.9	4.9	6.7	5.0	3.8	7.0	6.0	5.6	5.3	5.5
A06-8	6.0	6.1	6.0	6.6	5.0	6.8	5.1	5.2	4.7	5.0	4.8	5.7	5.5
DLFPS-340/3551	5.7	6.2	6.0	6.1	5.2	6.2	5.1	4.6	5.9	6.1	4.8	5.4	5.5
BAR PP 7236V	6.2	5.7	5.8	6.8	5.2	7.7	4.8	5.7	5.9	5.8	5.1	5.8	5.5

TABLE 4.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN AT TWELVE LOCATIONS IN THE U.S. 1/  
MAINTAINED USING "SCHEDULE A" \*\*  
2019 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												MEAN
	AR1	CT1	IA1	MI1	NC1	ND1	NE1	NJ1	NJ2	OK1	TN1	VA1	
PST-T14-39	6.4	5.9	6.5	5.7	5.2	7.0	5.0	6.6	5.6	5.9	6.0	5.2	5.5
BAR PP 7K426	6.2	5.7	6.5	6.6	4.7	7.3	5.0	5.2	5.0	6.2	4.9	5.7	5.5
A16-2	5.7	6.8	6.9	6.1	4.8	6.8	4.8	6.6	4.5	5.1	4.8	5.2	5.5
PROSPERITY	6.2	7.4	7.0	5.8	4.3	6.2	5.0	7.0	3.3	4.9	4.7	5.6	5.5
PST-11-7	6.4	7.2	5.6	5.2	4.1	7.2	4.8	6.4	4.4	5.5	4.6	6.2	5.4
SELWAY	5.9	5.6	6.0	5.8	5.0	6.5	4.9	6.1	4.4	5.3	6.3	6.0	5.4
BABE	5.8	6.4	6.0	6.3	4.8	7.5	5.2	6.3	4.1	4.8	5.0	5.6	5.4
DLFPS-340/3494	5.9	6.7	5.8	5.2	5.0	6.8	5.0	5.2	2.3	5.5	6.1	5.6	5.4
PIVOT	5.9	5.5	5.6	5.7	5.0	6.8	5.0	4.8	4.5	4.7	6.0	5.8	5.4
A16-7	6.6	7.3	5.8	5.8	4.7	6.2	4.9	4.2	4.3	5.4	5.8	5.7	5.4
PST-K13-141	6.1	5.8	6.3	6.3	4.9	6.8	4.9	4.2	5.7	5.8	5.8	4.9	5.4
A11-38	6.1	5.9	5.6	6.6	3.5	6.7	4.8	6.7	3.2	4.9	4.4	5.9	5.4
NAI-14-128	5.7	5.4	7.0	6.7	4.3	6.3	5.0	5.0	3.9	5.1	5.4	5.2	5.4
PST-K15-167	6.3	5.6	6.2	4.6	5.3	7.2	5.0	6.6	4.3	5.5	5.6	5.5	5.4
ORION (PST-K13-143)	6.4	5.7	6.6	6.1	4.1	6.5	4.8	5.9	3.6	4.7	4.9	5.8	5.3
A12-34	6.1	6.1	5.9	6.2	4.5	6.5	5.0	4.2	4.2	5.5	5.8	5.2	5.3
DLFPS-340/3549	5.8	5.9	6.2	6.7	4.4	6.8	4.7	6.7	3.4	5.1	4.9	6.1	5.3
DLFPS-340/3455	5.9	5.8	6.3	6.3	4.9	7.3	4.9	5.6	4.3	5.2	5.1	5.4	5.3
A15-6	6.1	6.1	5.7	6.0	5.4	6.2	5.0	4.6	5.0	5.5	5.7	5.1	5.3
DLFPS-340/3438	5.8	5.7	5.4	6.5	4.1	6.8	4.9	4.4	5.6	5.0	5.4	5.4	5.3
DLFPS-340/3446	6.1	5.7	5.4	6.1	4.7	6.2	4.8	4.3	4.5	5.0	5.1	5.6	5.3
MVS-130	5.6	4.9	6.0	5.9	4.8	6.5	4.9	5.0	4.1	4.8	5.4	5.8	5.3
DLFPS-340/3548	6.1	5.8	5.6	5.9	4.0	6.7	4.7	5.8	3.7	5.1	4.9	6.2	5.3
RAD-1776	4.9	6.4	5.8	6.4	4.1	7.0	4.8	4.6	3.3	5.1	4.4	6.0	5.3
NAI-14-122	5.3	5.5	6.1	6.1	4.7	6.5	5.3	5.0	3.3	4.5	5.0	5.9	5.3
RAD 553	6.1	5.2	5.8	5.6	4.1	7.3	5.0	4.3	3.7	5.2	5.9	6.2	5.3
PST-K15-157	5.4	5.8	6.6	6.1	4.7	7.3	5.3	3.8	3.9	5.1	5.3	5.4	5.2
NAI-14-132	5.1	5.6	6.4	6.7	3.9	6.3	5.2	3.9	3.9	4.3	5.1	5.6	5.2
NK-1	5.6	6.2	6.2	5.8	4.1	6.2	4.8	2.0	5.3	5.6	5.7	5.8	5.2
PALOMA (PST-K13-139)	6.1	5.8	6.2	6.3	4.3	6.5	4.9	5.9	1.9	4.9	4.5	5.4	5.2
AMAZE (NAI-14-133)	5.5	5.3	5.8	6.0	4.4	6.3	5.2	4.0	4.7	4.2	4.8	5.6	5.1
SHAMROCK	6.1	6.1	6.0	5.6	4.7	7.3	4.8	6.0	2.9	4.9	5.1	5.6	5.1
PPG-KB 1320	5.7	6.6	6.0	5.7	3.3	6.7	5.3	6.2	1.0	4.3	4.5	6.0	5.1
HEARTLAND (NAI-14-187)	5.2	5.5	6.2	5.8	4.4	6.5	4.9	4.9	3.6	4.8	5.1	5.2	5.1
COMANCHE (NAI-14-176)	5.7	5.1	6.5	6.1	3.8	7.3	5.0	4.6	3.1	4.1	4.6	5.1	5.1
AVIATOR II (NAI-15-84)	5.9	6.6	5.1	5.7	4.3	6.5	4.9	4.2	2.1	4.4	5.3	5.4	5.1
NAI-15-80	5.7	5.7	6.7	5.8	4.6	7.7	5.3	2.0	4.1	4.8	5.3	5.3	5.0
A16-1	4.9	6.2	6.2	5.6	4.9	6.9	4.9	5.5	2.3	4.3	4.9	5.4	5.0
DLFPS-340/3444	4.8	6.6	6.2	5.9	4.9	6.7	4.8	5.7	2.1	5.2	4.7	5.6	5.0
DLFPS-340/3364	4.9	5.8	4.8	5.4	5.1	6.5	4.9	2.7	3.6	5.5	5.9	6.3	5.0
BLUE KNIGHT	5.8	6.5	5.2	4.7	3.3	6.0	4.7	4.1	2.0	5.0	5.6	5.7	4.9
KENBLUE	5.3	4.7	6.0	5.3	3.5	6.2	4.2	4.3	2.1	4.8	4.9	5.7	4.6
LSD VALUE	0.7	0.7	1.7	1.0	1.0	0.0	0.4	1.2	1.0	0.9	0.8	2.5	0.3
C.V. (%)	7.3	6.4	16.6	9.8	13.0	0.4	5.0	13.3	13.5	10.2	8.6	27.8	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 5. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
 GROWN AT FIVE LOCATIONS IN THE U.S. 1/  
 MAINTAINED USING "SCHEDULE B" \*  
 2019 DATA

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

NAME	IN1	KY1	MD1	MN1	UT1	MEAN
BOMBAY (GO-22B23)	5.6	6.3	5.5	6.3	5.2	5.8
DLFPS-340/3550	5.9	6.6	5.2	6.1	5.0	5.8
STARR (GO-2628)	5.5	6.4	5.7	5.8	4.8	5.7
CLOUD (GO-2425)	5.7	6.6	5.9	5.7	4.2	5.6
NEW MOON (PST-K15-177)	5.1	6.6	5.7	6.3	4.2	5.6
PPG-KB 1304	5.6	6.8	5.5	5.3	4.8	5.6
BARSERATI (BAR PP 110358)	5.8	6.5	6.2	5.8	3.1	5.5
PST-K11-118	5.8	6.4	5.9	5.3	3.8	5.4
DLFPS-340/3552	5.8	6.4	5.3	5.0	4.6	5.4
DLFPS-340/3551	5.8	6.4	4.9	4.9	4.9	5.4
SKYE	5.7	6.2	5.5	5.3	4.2	5.4
AKB3241	5.4	6.3	5.3	5.5	4.3	5.4
A11-38	5.7	6.6	5.8	5.3	3.4	5.3
A16-17	5.3	6.2	5.5	5.2	4.4	5.3
A11-40	5.0	6.5	6.2	5.1	3.8	5.3
SYRAH (LTP-11-41)	5.1	6.4	5.4	5.4	4.2	5.3
A11-26	5.7	6.4	4.9	6.0	3.5	5.3
AKB3128	5.4	6.1	5.4	5.3	4.3	5.3
NAI-14-132	5.4	6.3	5.5	5.7	3.6	5.3
AKB3179	6.1	6.1	5.1	5.6	3.4	5.3
A06-8	5.3	6.6	5.2	4.7	4.4	5.3
PPG-KB 1131	4.9	6.5	6.0	4.9	3.8	5.2
BAR PP 79366	5.3	6.5	5.9	5.1	3.4	5.2
COMANCHE (NAI-14-176)	5.6	6.1	5.9	5.2	3.3	5.2
NAI-14-128	5.6	5.8	5.9	5.2	3.6	5.2
NAI-14-122	5.3	6.0	5.3	5.6	3.8	5.2
A13-1	5.6	6.2	5.9	4.7	3.7	5.2
PROSPERITY	5.1	6.6	4.3	5.2	4.8	5.2
DLFPS-340/3500	5.4	6.5	4.7	5.6	3.8	5.2
YELLOWSTONE (A12-7)	5.4	6.2	5.3	5.6	3.4	5.2
BLUE GEM (NAI-13-9)	4.8	6.6	5.7	5.2	3.6	5.2
DLFPS-340/3553	5.5	6.8	5.4	4.4	3.9	5.2
RAD-1776	5.8	5.7	5.3	5.1	4.0	5.2
DLFPS-340/3494	4.6	6.0	5.1	6.2	4.0	5.2
DLFPS-340/3556	4.9	6.6	4.7	5.4	4.1	5.2
J-2726	4.9	6.3	5.9	5.4	3.1	5.2
PIVOT	4.8	6.4	5.3	5.4	3.9	5.1
MVS-130	5.6	6.2	5.2	5.4	3.3	5.1
J-1319	4.4	6.7	4.8	6.6	3.2	5.1
ORION (PST-K13-143)	5.2	6.0	5.5	5.2	3.7	5.1
AVIATOR II (NAI-15-84)	4.7	6.5	4.4	5.9	4.1	5.1
PALOMA (PST-K13-139)	5.4	5.9	4.4	5.6	4.2	5.1
A99-2897	5.1	6.5	5.5	4.5	3.9	5.1
A12-34	5.0	6.2	5.1	5.2	4.0	5.1
FINISH LINE (NAI-14-178)	4.8	6.3	5.4	5.2	3.9	5.1
BAR PP 7309V	5.4	5.9	5.1	4.8	4.2	5.1
PST-K15-172	5.6	6.2	4.7	5.6	3.3	5.1
J-1138	5.1	6.5	6.0	4.8	3.0	5.1
DLFPS-340/3446	5.3	6.2	4.4	5.3	4.1	5.1
AFTER MIDNIGHT	4.6	6.3	5.9	5.0	3.4	5.1
A16-7	4.8	6.6	5.6	4.8	3.4	5.0
UNITED (NAI-13-14)	4.8	6.3	5.8	5.0	3.3	5.0
TWILIGHT (NAI-13-132)	4.6	6.6	5.5	4.7	3.7	5.0
DLFPS-340/3438	5.6	6.1	4.7	4.6	4.1	5.0
NURUSH (J-3510)	4.7	6.5	5.7	4.8	3.4	5.0
BAR PP 79494	4.7	6.4	5.9	5.0	3.2	5.0
AMAZE (NAI-14-133)	5.2	5.8	5.2	5.4	3.5	5.0
A10-280	5.2	6.0	4.6	5.6	3.6	5.0
BARVETTE HGT®	5.3	5.9	5.3	4.6	3.9	5.0



TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(CONT'D) GROWN AT FIVE LOCATIONS IN THE U.S. 1/  
MAINTAINED USING "SCHEDULE B" \*  
2019 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/					MEAN
	IN1	KY1	MD1	MN1	UT1	
HEARTLAND (NAI-14-187)	4.7	6.2	4.8	5.7	3.5	5.0
PPG-KB 1320	4.8	6.5	5.4	5.4	2.7	5.0
A16-2	5.1	6.0	4.9	5.1	3.7	5.0
PST-K15-157	5.5	6.1	4.5	5.4	3.1	4.9
JERSEY (NAI-A16-3)	5.1	6.1	5.1	4.9	3.5	4.9
NK-1	5.6	6.0	5.3	4.1	3.7	4.9
BABE	5.1	5.9	5.5	4.6	3.6	4.9
BLUE DEVIL	4.9	6.4	5.1	4.8	3.4	4.9
DLFPS-340/3548	5.1	6.0	4.4	5.3	3.8	4.9
BAR PP 7K426	5.3	5.4	5.1	5.0	3.5	4.9
MIDNIGHT	4.6	6.6	5.3	4.7	3.0	4.9
KH3492	5.4	6.0	5.4	4.4	3.1	4.8
A15-6	5.1	6.1	4.2	5.0	3.9	4.8
PST-K13-141	5.4	6.0	4.1	4.9	3.8	4.8
SELWAY	4.8	6.1	4.5	4.3	4.0	4.8
PST-T14-39	5.1	5.8	4.0	5.1	3.8	4.8
RAD 553	4.9	5.7	4.0	4.7	4.5	4.7
PST-11-7	4.9	5.6	4.9	5.3	3.0	4.7
BAR PP 7236V	5.1	5.7	4.8	4.2	3.8	4.7
PST-K15-167	4.6	6.4	4.4	4.6	3.5	4.7
BLUE KNIGHT	4.6	6.2	4.3	4.9	3.2	4.6
A16-1	4.5	5.7	4.4	4.9	3.7	4.6
DLFPS-340/3549	5.2	6.0	4.5	4.4	3.0	4.6
BAR PP 71213	4.9	5.6	4.9	4.2	3.4	4.6
NAI-15-80	4.5	5.8	4.7	5.2	2.8	4.6
DLFPS-340/3455	5.2	5.5	4.2	4.7	3.2	4.6
DLFPS-340/3364	4.8	6.2	4.3	4.1	3.0	4.5
SHAMROCK	4.8	5.8	3.6	4.1	3.5	4.4
DLFPS-340/3444	4.6	5.6	4.0	4.2	3.4	4.3
KENBLUE	4.6	5.6	3.1	3.1	3.0	3.9
LSD VALUE	0.6	0.5	1.1	0.9	0.9	0.4
C.V. (%)	7.7	4.8	13.1	10.4	14.9	10.0

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

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

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN AT THREE LOCATIONS 1/  
IN THE NORTHEAST REGION  
2019 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	CT1	NJ1	NJ2	MEAN
BOMBAY (GO-22B23)	6.6	8.1	6.9	7.2
A11-26	6.7	7.4	7.3	7.2
AFTER MIDNIGHT	7.8	8.0	5.7	7.2
STARR (GO-2628)	6.7	7.8	6.9	7.1
CLOUD (GO-2425)	7.2	7.5	6.5	7.1
PPG-KB 1304	6.9	5.9	7.4	6.7
NURUSH (J-3510)	7.6	6.4	6.2	6.7
PPG-KB 1131	7.7	6.8	5.7	6.7
SKYE	6.8	6.7	6.4	6.6
A16-17	6.3	6.2	7.1	6.5
BLUE GEM (NAI-13-9)	7.4	6.2	6.0	6.5
BARSERATI (BAR PP 110358)	6.2	6.5	6.9	6.5
PST-K15-172	6.2	7.2	5.9	6.5
PST-K11-118	6.3	7.2	5.8	6.4
JERSEY (NAI-A16-3)	6.8	8.1	4.4	6.4
MIDNIGHT	7.4	6.2	5.7	6.4
FINISH LINE (NAI-14-178)	6.8	7.0	5.5	6.4
J-2726	7.4	7.1	4.7	6.4
J-1138	7.0	6.0	6.1	6.4
DLFPS-340/3550	6.9	5.7	6.3	6.3
DLFPS-340/3500	6.6	6.0	6.3	6.3
BLUE DEVIL	7.1	6.7	4.8	6.2
BAR PP 71213	5.9	6.7	6.0	6.2
DLFPS-340/3556	7.1	5.4	6.2	6.2
BAR PP 79366	6.7	5.2	6.6	6.2
TWILIGHT (NAI-13-132)	7.4	6.1	4.9	6.2
UNITED (NAI-13-14)	7.3	5.4	5.6	6.1
KH3492	6.7	7.3	4.2	6.1
DLFPS-340/3553	6.7	4.9	6.6	6.1
YELLOWSTONE (A12-7)	6.3	6.9	5.0	6.0
PST-T14-39	5.9	6.6	5.6	6.0
NEW MOON (PST-K15-177)	6.7	6.7	4.6	6.0
PST-11-7	7.2	6.4	4.4	6.0
A16-2	6.8	6.6	4.5	6.0
BAR PP 79494	7.1	5.8	5.0	5.9
PROSPERITY	7.4	7.0	3.3	5.9
SYRAH (LTP-11-41)	6.4	5.6	5.7	5.9
DLFPS-340/3552	6.7	5.1	5.9	5.9
A99-2897	6.8	3.8	6.9	5.8
BAR PP 7236V	5.7	5.7	5.9	5.8
A11-40	6.3	6.4	4.5	5.7
BARVETTE HGT®	5.4	6.1	5.7	5.7
J-1319	7.3	5.5	4.3	5.7
A13-1	6.2	3.8	7.0	5.7
AKB3128	5.8	5.2	5.8	5.6
BABE	6.4	6.3	4.1	5.6
DLFPS-340/3551	6.2	4.6	5.9	5.6
PST-K15-167	5.6	6.6	4.3	5.5
AKB3241	5.9	5.0	5.5	5.5
A10-280	6.2	4.1	5.8	5.4
SELWAY	5.6	6.1	4.4	5.4
AKB3179	5.7	6.0	4.3	5.3
A06-8	6.1	5.2	4.7	5.3
DLFPS-340/3549	5.9	6.7	3.4	5.3
BAR PP 7K426	5.7	5.2	5.0	5.3
A11-38	5.9	6.7	3.2	5.3
PST-K13-141	5.8	4.2	5.7	5.3
A15-6	6.1	4.6	5.0	5.3

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
 (CONT'D) GROWN AT THREE LOCATIONS 1/  
 IN THE NORTHEAST REGION  
 2019 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	CT1	NJ1	NJ2	MEAN
A16-7	7.3	4.2	4.3	5.3
DLFPS-340/3438	5.7	4.4	5.6	5.2
DLFPS-340/3455	5.8	5.6	4.3	5.2
BAR PP 7309V	5.9	4.8	4.8	5.2
DLFPS-340/3548	5.8	5.8	3.7	5.1
ORION (PST-K13-143)	5.7	5.9	3.6	5.1
SHAMROCK	6.1	6.0	2.9	5.0
PIVOT	5.5	4.8	4.5	4.9
A12-34	6.1	4.2	4.2	4.8
DLFPS-340/3446	5.7	4.3	4.5	4.8
RAD-1776	6.4	4.6	3.3	4.8
DLFPS-340/3444	6.6	5.7	2.1	4.8
NAI-14-128	5.4	5.0	3.9	4.7
DLFPS-340/3494	6.7	5.2	2.3	4.7
AMAZE (NAI-14-133)	5.3	4.0	4.7	4.7
MVS-130	4.9	5.0	4.1	4.7
HEARTLAND (NAI-14-187)	5.5	4.9	3.6	4.7
A16-1	6.2	5.5	2.3	4.6
NAI-14-122	5.5	5.0	3.3	4.6
PPG-KB 1320	6.6	6.2	1.0	4.6
PALOMA (PST-K13-139)	5.8	5.9	1.9	4.5
NK-1	6.2	2.0	5.3	4.5
PST-K15-157	5.8	3.8	3.9	4.5
NAI-14-132	5.6	3.9	3.9	4.4
RAD 553	5.2	4.3	3.7	4.4
AVIATOR II (NAI-15-84)	6.6	4.2	2.1	4.3
COMANCHE (NAI-14-176)	5.1	4.6	3.1	4.3
BLUE KNIGHT	6.5	4.1	2.0	4.2
DLFPS-340/3364	5.8	2.7	3.6	4.1
NAI-15-80	5.7	2.0	4.1	4.0
KENBLUE	4.7	4.3	2.1	3.7
LSD VALUE	0.7	1.2	1.0	0.6
C.V. (%)	6.4	13.3	13.5	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 7. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN AT SEVEN LOCATIONS 1/  
IN THE TRANSITION REGION  
2019 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							MEAN
	AR1	KY1	MD1	NC1	OK1	TN1	VA1	
AFTER MIDNIGHT	7.2	6.3	5.9	6.1	6.1	6.4	5.9	6.3
J-1138	6.5	6.5	6.0	6.5	6.0	6.4	5.8	6.2
BARSERATI (BAR PP 110358)	6.2	6.5	6.2	5.8	6.3	6.1	5.9	6.1
CLOUD (GO-2425)	6.8	6.6	5.9	6.0	5.9	6.2	5.7	6.1
BAR PP 79494	6.8	6.4	5.9	6.0	5.8	6.0	5.9	6.1
NURUSH (J-3510)	6.7	6.5	5.7	5.7	5.4	6.2	6.1	6.1
STARR (GO-2628)	6.5	6.4	5.7	5.4	5.7	6.2	6.1	6.0
BAR PP 79366	6.1	6.5	5.9	5.5	6.3	6.0	5.5	6.0
UNITED (NAI-13-14)	6.8	6.3	5.8	5.4	5.5	6.4	5.3	5.9
PST-K11-118	6.4	6.4	5.9	5.8	5.8	5.7	5.3	5.9
SKYE	6.4	6.2	5.5	5.6	5.6	6.0	6.0	5.9
PPG-KB 1131	6.8	6.5	6.0	5.4	5.3	6.3	4.8	5.9
BLUE GEM (NAI-13-9)	6.4	6.6	5.7	5.4	5.1	6.5	5.4	5.9
A99-2897	6.1	6.5	5.5	4.4	6.3	6.0	6.2	5.9
BOMBAY (GO-22B23)	6.5	6.3	5.5	5.2	5.9	5.8	5.7	5.9
BARVETTE HGT®	6.3	5.9	5.3	5.7	5.8	6.0	5.9	5.9
PPG-KB 1304	6.2	6.8	5.5	5.2	5.7	5.9	5.4	5.8
MIDNIGHT	7.1	6.6	5.3	5.3	5.3	6.1	4.8	5.8
TWILIGHT (NAI-13-132)	6.4	6.6	5.5	4.9	5.1	6.4	5.6	5.8
BLUE DEVIL	6.4	6.4	5.1	5.7	5.0	6.4	5.5	5.8
DLFPS-340/3550	6.2	6.6	5.2	5.4	5.6	6.1	5.2	5.8
A16-7	6.6	6.6	5.6	4.7	5.4	5.8	5.7	5.8
A13-1	6.3	6.2	5.9	4.9	6.0	5.6	5.3	5.7
A10-280	6.1	6.0	4.6	5.1	6.9	6.1	5.4	5.7
DLFPS-340/3553	6.2	6.8	5.4	4.6	5.9	5.8	5.6	5.7
J-1319	6.3	6.7	4.8	5.7	5.1	5.6	5.9	5.7
J-2726	6.3	6.3	5.9	5.3	5.4	4.9	5.9	5.7
A11-26	6.1	6.4	4.9	5.0	5.4	6.0	6.2	5.7
A11-40	5.5	6.5	6.2	4.5	5.6	5.2	6.3	5.7
DLFPS-340/3500	6.4	6.5	4.7	4.0	6.0	6.0	5.8	5.6
DLFPS-340/3556	6.5	6.6	4.7	4.6	6.0	5.8	5.3	5.6
DLFPS-340/3494	5.9	6.0	5.1	5.0	5.5	6.1	5.6	5.6
SELWAY	5.9	6.1	4.5	5.0	5.3	6.3	6.0	5.6
PST-K15-167	6.3	6.4	4.4	5.3	5.5	5.6	5.5	5.6
PIVOT	5.9	6.4	5.3	5.0	4.7	6.0	5.8	5.6
PST-K15-172	6.3	6.2	4.7	5.0	5.7	5.6	5.5	5.6
BAR PP 71213	6.1	5.6	4.9	5.5	5.7	5.1	6.1	5.6
NEW MOON (PST-K15-177)	6.2	6.6	5.7	4.4	5.2	5.3	5.6	5.6
A16-17	5.9	6.2	5.5	4.7	6.1	5.1	5.4	5.5
KH3492	6.1	6.0	5.4	5.1	5.3	5.1	5.9	5.5
DLFPS-340/3552	5.6	6.4	5.3	4.9	5.5	5.5	5.6	5.5
AKB3128	6.1	6.1	5.4	5.1	5.2	5.6	5.2	5.5
BAR PP 7236V	6.2	5.7	4.8	5.2	5.8	5.1	5.8	5.5
BAR PP 7309V	5.6	5.9	5.1	4.9	5.6	5.4	6.1	5.5
DLFPS-340/3551	5.7	6.4	4.9	5.2	6.1	4.8	5.4	5.5
AKB3241	6.2	6.3	5.3	4.1	5.0	5.8	5.8	5.5
SYRAH (LTP-11-41)	6.1	6.4	5.4	3.9	5.5	5.5	5.7	5.5
PST-T14-39	6.4	5.8	4.0	5.2	5.9	6.0	5.2	5.5
FINISH LINE (NAI-14-178)	6.9	6.3	5.4	4.0	4.7	5.3	5.8	5.5
YELLOWSTONE (A12-7)	5.9	6.2	5.3	4.8	5.0	5.4	5.8	5.5
A06-8	6.0	6.6	5.2	5.0	5.0	4.8	5.7	5.5
AKB3179	6.0	6.1	5.1	4.7	5.3	5.1	6.0	5.5

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(CONT'D) GROWN AT SEVEN LOCATIONS 1/  
IN THE TRANSITION REGION  
2019 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							MEAN
	AR1	KY1	MD1	NC1	OK1	TN1	VA1	
A12-34	6.1	6.2	5.1	4.5	5.5	5.8	5.2	5.5
BAR PP 7K426	6.2	5.4	5.1	4.7	6.2	4.9	5.7	5.5
DLFPS-340/3364	4.9	6.2	4.3	5.1	5.5	5.9	6.3	5.5
A15-6	6.1	6.1	4.2	5.4	5.5	5.7	5.1	5.4
NK-1	5.6	6.0	5.3	4.1	5.6	5.7	5.8	5.4
JERSEY (NAI-A16-3)	6.3	6.1	5.1	4.8	5.1	4.8	5.8	5.4
MVS-130	5.6	6.2	5.2	4.8	4.8	5.4	5.4	5.4
PST-K13-141	6.1	6.0	4.1	4.9	5.8	5.8	4.9	5.4
ORION (PST-K13-143)	6.4	6.0	5.5	4.1	4.7	4.9	5.8	5.4
NAI-14-128	5.7	5.8	5.9	4.3	5.1	5.4	5.2	5.3
BABE	5.8	5.9	5.5	4.8	4.8	5.0	5.6	5.3
PST-11-7	6.4	5.6	4.9	4.1	5.5	4.6	6.2	5.3
RAD 553	6.1	5.7	4.0	4.1	5.2	5.9	6.2	5.3
A11-38	6.1	6.6	5.8	3.5	4.9	4.4	5.9	5.3
DLFPS-340/3446	6.1	6.2	4.4	4.7	5.0	5.1	5.6	5.3
DLFPS-340/3548	6.1	6.0	4.4	4.0	5.1	4.9	6.2	5.2
DLFPS-340/3549	5.8	6.0	4.5	4.4	5.1	4.9	6.1	5.2
NAI-14-122	5.3	6.0	5.3	4.7	4.5	5.0	5.9	5.2
PROSPERITY	6.2	6.6	4.3	4.3	4.9	4.7	5.6	5.2
PST-K15-157	5.4	6.1	4.5	4.7	5.1	5.3	5.4	5.2
DLFPS-340/3438	5.8	6.1	4.7	4.1	5.0	5.4	5.4	5.2
A16-2	5.7	6.0	4.9	4.8	5.1	4.8	5.2	5.2
DLFPS-340/3455	5.9	5.5	4.2	4.9	5.2	5.1	5.4	5.2
NAI-15-80	5.7	5.8	4.7	4.6	4.8	5.3	5.3	5.2
AVIATOR II (NAI-15-84)	5.9	6.5	4.4	4.3	4.4	5.3	5.4	5.2
BLUE KNIGHT	5.8	6.2	4.3	3.3	5.0	5.6	5.7	5.1
SHAMROCK	6.1	5.8	3.6	4.7	4.9	5.1	5.6	5.1
NAI-14-132	5.1	6.3	5.5	3.9	4.3	5.1	5.6	5.1
HEARTLAND (NAI-14-187)	5.2	6.2	4.8	4.4	4.8	5.1	5.2	5.1
PPG-KB 1320	5.7	6.5	5.4	3.3	4.3	4.5	6.0	5.1
RAD-1776	4.9	5.7	5.3	4.1	5.1	4.4	6.0	5.1
PALOMA (PST-K13-139)	6.1	5.9	4.4	4.3	4.9	4.5	5.4	5.1
AMAZE (NAI-14-133)	5.5	5.8	5.2	4.4	4.2	4.8	5.6	5.1
COMANCHE (NAI-14-176)	5.7	6.1	5.9	3.8	4.1	4.6	5.1	5.0
DLFPS-340/3444	4.8	5.6	4.0	4.9	5.2	4.7	5.6	5.0
A16-1	4.9	5.7	4.4	4.9	4.3	4.9	5.4	4.9
KENBLUE	5.3	5.6	3.1	3.5	4.8	4.9	5.7	4.7
LSD VALUE	0.7	0.5	1.1	1.0	0.9	0.8	2.5	0.5
C.V. (%)	7.3	4.8	13.1	13.0	10.2	8.6	27.8	13.9

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

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

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN AT SIX LOCATIONS 1/  
IN THE NORTH CENTRAL REGION  
2019 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						MEAN
	IA1	IN1	MI1	MN1	ND1	NE1	
AKB3179	6.8	6.1	6.7	5.6	7.5	5.3	6.3
DLFPS-340/3550	7.1	5.9	6.5	6.1	6.2	5.2	6.2
SYRAH (LTP-11-41)	7.6	5.1	6.6	5.4	6.5	5.2	6.1
YELLOWSTONE (A12-7)	6.6	5.4	6.7	5.6	7.2	5.0	6.1
BARSERATI (BAR PP 110358)	5.8	5.8	6.8	5.8	6.8	5.2	6.1
STARR (GO-2628)	7.0	5.5	6.3	5.8	6.5	5.1	6.1
PST-K15-157	6.6	5.5	6.1	5.4	7.3	5.3	6.0
BOMBAY (GO-22B23)	5.6	5.6	6.8	6.3	6.2	5.4	6.0
NAI-14-132	6.4	5.4	6.7	5.7	6.3	5.2	6.0
NEW MOON (PST-K15-177)	7.0	5.1	5.8	6.3	6.2	5.4	6.0
NAI-14-128	7.0	5.6	6.7	5.2	6.3	5.0	6.0
SKYE	6.5	5.7	6.9	5.3	6.2	5.1	6.0
BAR PP 7K426	6.5	5.3	6.6	5.0	7.3	5.0	5.9
COMANCHE (NAI-14-176)	6.5	5.6	6.1	5.2	7.3	5.0	5.9
CLOUD (GO-2425)	6.0	5.7	6.5	5.7	6.3	5.3	5.9
AKB3128	5.9	5.4	6.6	5.3	7.5	4.9	5.9
A11-26	6.8	5.7	6.0	6.0	6.1	4.9	5.9
AKB3241	6.0	5.4	6.0	5.5	7.5	5.1	5.9
PPG-KB 1304	6.5	5.6	6.7	5.3	6.3	5.0	5.9
J-1138	6.9	5.1	6.1	4.8	7.2	5.4	5.9
DLFPS-340/3556	7.0	4.9	6.8	5.4	6.3	4.9	5.9
A11-40	5.7	5.0	7.4	5.1	7.0	5.1	5.9
KH3492	6.9	5.4	6.4	4.4	7.2	5.0	5.9
PST-K11-118	5.7	5.8	6.7	5.3	6.7	5.1	5.9
A10-280	6.6	5.2	5.9	5.6	7.2	4.6	5.9
NAI-15-80	6.7	4.5	5.8	5.2	7.7	5.3	5.9
J-1319	6.9	4.4	5.6	6.6	6.3	5.3	5.8
BARVETTE HGT®	6.6	5.3	6.4	4.6	7.3	4.9	5.8
FINISH LINE (NAI-14-178)	6.4	4.8	5.9	5.2	7.5	5.2	5.8
NAI-14-122	6.1	5.3	6.1	5.6	6.5	5.3	5.8
RAD-1776	5.8	5.8	6.4	5.1	7.0	4.8	5.8
UNITED (NAI-13-14)	7.3	4.8	6.3	5.0	6.5	4.9	5.8
BAR PP 79366	6.0	5.3	7.2	5.1	6.3	5.0	5.8
BLUE GEM (NAI-13-9)	6.7	4.8	6.0	5.2	7.2	5.0	5.8
A16-2	6.9	5.1	6.1	5.1	6.8	4.8	5.8
PST-K15-172	6.5	5.6	6.2	5.6	6.1	4.9	5.8
DLFPS-340/3552	6.5	5.8	6.4	5.0	6.2	5.0	5.8
PALOMA (PST-K13-139)	6.2	5.4	6.3	5.6	6.5	4.9	5.8
TWILIGHT (NAI-13-132)	6.8	4.6	6.1	4.7	7.3	5.2	5.8
BAR PP 7309V	6.2	5.4	6.1	4.8	7.3	4.9	5.8
BABE	6.0	5.1	6.3	4.6	7.5	5.2	5.8
NURUSH (J-3510)	7.3	4.7	6.6	4.8	6.2	5.1	5.8
DLFPS-340/3455	6.3	5.2	6.3	4.7	7.3	4.9	5.8
PST-K13-141	6.3	5.4	6.3	4.9	6.8	4.9	5.8
A11-38	5.6	5.7	6.6	5.3	6.7	4.8	5.8
BAR PP 79494	7.0	4.7	5.6	5.0	7.2	5.1	5.8
A06-8	6.0	5.3	6.6	4.7	6.8	5.1	5.7
BAR PP 7236V	5.8	5.1	6.8	4.2	7.7	4.8	5.7
ORION (PST-K13-143)	6.6	5.2	6.1	5.2	6.5	4.8	5.7
PST-T14-39	6.5	5.1	5.7	5.1	7.0	5.0	5.7
MVS-130	6.0	5.6	5.9	5.4	6.5	4.9	5.7
PROSPERITY	7.0	5.1	5.8	5.2	6.2	5.0	5.7

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(CONT'D) GROWN AT SIX LOCATIONS 1/  
IN THE NORTH CENTRAL REGION  
2019 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						MEAN
	IA1	IN1	MI1	MN1	ND1	NE1	
DLFPS-340/3500	5.6	5.4	6.3	5.6	6.5	4.8	5.7
DLFPS-340/3551	6.0	5.8	6.1	4.9	6.2	5.1	5.7
A99-2897	6.3	5.1	6.6	4.5	6.5	5.1	5.7
BLUE DEVIL	6.4	4.9	6.8	4.8	6.2	5.0	5.7
DLFPS-340/3549	6.2	5.2	6.7	4.4	6.8	4.7	5.7
MIDNIGHT	6.7	4.6	6.6	4.7	6.5	5.0	5.7
AMAZE (NAI-14-133)	5.8	5.2	6.0	5.4	6.3	5.2	5.7
JERSEY (NAI-A16-3)	6.2	5.1	6.3	4.9	6.5	5.0	5.7
PPG-KB 1320	6.0	4.8	5.7	5.4	6.7	5.3	5.6
A13-1	5.1	5.6	6.9	4.7	6.7	5.0	5.6
HEARTLAND (NAI-14-187)	6.2	4.7	5.8	5.7	6.5	4.9	5.6
DLFPS-340/3438	5.4	5.6	6.5	4.6	6.8	4.9	5.6
A16-17	7.0	5.3	5.1	5.2	6.2	5.0	5.6
A12-34	5.9	5.0	6.2	5.2	6.5	5.0	5.6
DLFPS-340/3494	5.8	4.6	5.2	6.2	6.8	5.0	5.6
PPG-KB 1131	5.8	4.9	6.4	4.9	6.6	5.0	5.6
DLFPS-340/3553	6.0	5.5	5.9	4.4	6.3	5.3	5.6
PIVOT	5.6	4.8	5.7	5.4	6.8	5.0	5.6
RAD 553	5.8	4.9	5.6	4.7	7.3	5.0	5.6
DLFPS-340/3548	5.6	5.1	5.9	5.3	6.7	4.7	5.5
BAR PP 71213	6.0	4.9	6.3	4.2	7.2	4.7	5.5
PST-11-7	5.6	4.9	5.2	5.3	7.2	4.8	5.5
DLFPS-340/3446	5.4	5.3	6.1	5.3	6.2	4.8	5.5
A15-6	5.7	5.1	6.0	5.0	6.2	5.0	5.5
A16-1	6.2	4.5	5.6	4.9	6.9	4.9	5.5
AVIATOR II (NAI-15-84)	5.1	4.7	5.7	5.9	6.5	4.9	5.5
AFTER MIDNIGHT	5.3	4.6	5.4	5.0	7.3	5.2	5.5
NK-1	6.2	5.6	5.8	4.1	6.2	4.8	5.5
SHAMROCK	6.0	4.8	5.6	4.1	7.3	4.8	5.4
J-2726	5.0	4.9	6.0	5.4	6.1	4.9	5.4
SELWAY	6.0	4.8	5.8	4.3	6.5	4.9	5.4
DLFPS-340/3444	6.2	4.6	5.9	4.2	6.7	4.8	5.4
A16-7	5.8	4.8	5.8	4.8	6.2	4.9	5.4
PST-K15-167	6.2	4.6	4.6	4.6	7.2	5.0	5.4
DLFPS-340/3364	4.8	4.8	5.4	4.1	6.5	4.9	5.1
BLUE KNIGHT	5.2	4.6	4.7	4.9	6.0	4.7	5.0
KENBLUE	6.0	4.6	5.3	3.1	6.2	4.2	4.9
LSD VALUE	1.7	0.6	1.0	0.9	0.0	0.4	0.4
C.V. (%)	16.6	7.7	9.8	10.4	0.4	5.0	9.9

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 9.

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/  
2019 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
BOMBAY (GO-22B23)	5.7	6.0	4.7	3.7	4.7	5.7	6.3	5.2
DLFPS-340/3550	5.3	7.7	6.3	4.7	3.7	3.7	3.3	5.0
DLFPS-340/3551	6.3	6.7	5.7	4.3	3.3	4.0	4.0	4.9
PROSPERITY	5.7	8.0	7.0	3.0	3.0	3.7	3.3	4.8
STARR (GO-2628)	6.7	6.3	5.0	3.0	4.0	4.0	4.7	4.8
PPG-KB 1304	7.3	7.0	5.3	4.0	2.3	4.0	3.3	4.8
DLFPS-340/3552	5.0	6.7	5.7	4.0	3.7	3.7	3.7	4.6
RAD 553	4.7	5.0	3.7	4.3	5.0	4.3	4.7	4.5
A06-8	5.3	7.0	5.3	3.0	2.7	3.7	4.0	4.4
A16-17	7.3	4.7	4.3	3.7	3.3	3.7	4.0	4.4
AKB3128	7.3	6.3	5.0	2.3	2.0	3.3	3.7	4.3
AKB3241	4.3	5.7	4.3	3.7	3.3	4.0	4.7	4.3
CLOUD (GO-2425)	6.3	5.7	4.3	2.7	2.3	4.0	4.3	4.2
NEW MOON (PST-K15-177)	7.7	7.3	5.7	2.3	1.3	2.7	2.7	4.2
PALOMA (PST-K13-139)	5.7	5.3	5.3	4.0	3.0	3.3	3.0	4.2
BAR PP 7309V	5.3	6.0	4.0	2.3	2.7	4.3	4.7	4.2
SKYE	6.0	5.7	4.3	2.3	3.0	4.0	4.0	4.2
SYRAH (LTP-11-41)	6.0	6.0	4.7	3.7	3.0	3.0	3.0	4.2
DLFPS-340/3438	6.3	5.7	4.7	3.7	3.0	2.7	3.0	4.1
DLFPS-340/3446	5.3	6.3	5.0	2.7	2.7	3.7	3.3	4.1
DLFPS-340/3556	4.3	6.7	6.7	3.0	2.3	2.7	3.3	4.1
AVIATOR II (NAI-15-84)	4.7	6.0	5.0	3.0	3.3	3.3	3.3	4.1
SELWAY	5.7	5.3	4.3	3.3	3.3	3.3	3.0	4.0
A12-34	5.0	6.0	5.3	2.7	2.3	3.3	3.3	4.0
DLFPS-340/3494	4.3	6.7	5.7	3.7	2.3	2.3	2.7	4.0
RAD-1776	5.7	5.0	3.7	3.0	3.0	3.7	3.7	4.0
BARVETTE HGT®	4.3	4.3	3.7	3.7	3.7	4.0	3.7	3.9
A15-6	4.3	5.0	4.0	3.7	3.3	3.3	3.3	3.9
FINISH LINE (NAI-14-178)	6.3	5.0	4.7	3.0	2.0	3.0	3.0	3.9
A99-2897	6.0	6.3	5.0	2.3	2.7	2.0	2.7	3.9
DLFPS-340/3553	6.0	4.7	3.3	2.3	2.3	4.3	4.0	3.9
PIVOT	4.3	5.7	4.0	3.0	3.0	3.7	3.3	3.9
BAR PP 7236V	6.3	5.0	4.0	2.7	2.0	3.0	3.7	3.8
DLFPS-340/3548	7.0	6.3	4.3	2.3	2.0	2.3	2.3	3.8
NAI-14-122	7.0	6.7	4.0	2.3	1.7	2.7	2.3	3.8
PST-K13-141	4.7	5.3	4.7	3.0	2.3	3.3	3.3	3.8
PST-T14-39	6.0	5.7	4.0	2.7	2.3	3.0	3.0	3.8
DLFPS-340/3500	4.7	6.3	5.7	2.3	2.0	2.7	2.7	3.8
A11-40	6.0	4.3	4.0	2.3	2.3	3.7	3.7	3.8
PPG-KB 1131	5.0	5.7	5.0	2.3	2.0	3.0	3.3	3.8
PST-K11-118	6.3	5.7	4.3	2.3	2.0	2.7	3.0	3.8
ORION (PST-K13-143)	4.3	4.0	3.7	3.3	3.0	4.0	3.7	3.7
A13-1	4.7	5.3	5.0	2.3	3.0	3.0	2.7	3.7
TWILIGHT (NAI-13-132)	5.3	5.3	5.0	2.0	1.7	3.0	3.7	3.7
A16-1	6.0	5.7	4.0	2.0	2.0	3.0	3.0	3.7
A16-2	5.3	5.7	4.0	2.7	2.0	3.3	2.7	3.7
NK-1	6.0	5.0	4.3	2.0	2.0	3.0	3.3	3.7
BABE	5.7	5.3	4.0	2.3	1.7	3.0	3.0	3.6
NAI-14-128	5.3	6.3	4.7	2.7	2.0	2.0	2.0	3.6
A10-280	5.0	4.3	3.7	3.3	2.3	2.7	3.7	3.6
BLUE GEM (NAI-13-9)	4.7	5.3	4.7	2.3	2.0	3.0	3.0	3.6
NAI-14-132	6.0	6.3	4.3	2.0	2.0	2.3	2.0	3.6



TABLE 9.  
(CONT'D)

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/  
2019 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
JERSEY (NAI-A16-3)	5.0	5.3	5.0	2.7	2.0	2.0	2.7	3.5
AMAZE (NAI-14-133)	5.7	6.3	4.0	2.0	1.7	2.7	2.3	3.5
BAR PP 7K426	5.3	6.3	3.7	1.7	1.3	3.3	3.0	3.5
SHAMROCK	5.3	5.7	3.7	2.0	1.7	3.3	3.0	3.5
HEARTLAND (NAI-14-187)	4.3	5.7	4.7	1.7	2.0	3.0	3.0	3.5
PST-K15-167	6.7	7.3	5.0	1.3	1.0	1.7	1.3	3.5
A11-26	4.3	5.3	4.0	2.7	2.7	2.7	2.7	3.5
AFTER MIDNIGHT	5.7	6.7	4.7	2.0	1.3	1.7	2.0	3.4
BAR PP 71213	6.7	5.3	3.0	2.0	1.3	2.7	3.0	3.4
BAR PP 79366	4.7	6.0	5.3	2.7	1.7	1.7	2.0	3.4
BLUE DEVIL	5.0	5.7	4.3	2.0	2.3	2.3	2.3	3.4
YELLOWSTONE (A12-7)	5.7	5.7	4.3	2.3	1.7	2.3	2.0	3.4
A11-38	4.7	5.7	4.7	2.3	2.0	2.3	2.0	3.4
A16-7	6.0	6.0	4.0	1.7	2.0	2.0	2.0	3.4
AKB3179	6.3	5.7	4.7	2.0	1.0	2.0	2.0	3.4
DLFPS-340/3444	5.7	5.0	3.7	2.3	1.7	3.0	2.3	3.4
NURUSH (J-3510)	4.7	6.0	4.7	2.7	1.0	2.7	2.0	3.4
COMANCHE (NAI-14-176)	5.7	6.3	4.7	1.3	1.3	2.0	2.0	3.3
MVS-130	5.0	5.7	4.0	2.0	1.7	2.0	3.0	3.3
UNITED (NAI-13-14)	5.0	5.3	4.0	1.7	1.7	2.3	3.3	3.3
PST-K15-172	6.0	5.0	4.0	2.7	1.3	2.3	1.7	3.3
BLUE KNIGHT	4.7	6.7	5.0	1.7	2.0	1.3	1.3	3.2
BAR PP 79494	5.3	6.7	4.0	2.0	1.0	2.0	1.7	3.2
DLFPS-340/3455	4.7	4.3	3.3	3.0	2.0	2.7	2.3	3.2
J-1319	5.7	6.3	5.3	1.7	1.0	1.3	1.0	3.2
BARSERATI (BAR PP 110358)	5.7	4.7	3.7	2.7	1.3	1.7	2.3	3.1
PST-K15-157	5.7	5.3	3.3	1.7	1.3	2.3	2.3	3.1
J-2726	6.0	6.3	4.7	1.7	1.0	1.0	1.0	3.1
KH3492	5.3	4.7	3.3	2.0	1.7	2.0	2.7	3.1
DLFPS-340/3549	3.7	5.0	3.3	2.3	2.0	2.0	2.7	3.0
KENBLUE	4.7	3.7	3.3	3.0	2.0	2.0	2.3	3.0
MIDNIGHT	4.0	5.3	4.7	1.7	1.3	2.0	2.0	3.0
PST-11-7	6.0	5.7	4.3	1.7	1.0	1.3	1.0	3.0
DLFPS-340/3364	3.3	5.0	4.0	2.3	1.7	2.3	2.0	3.0
J-1138	5.3	6.0	4.0	1.3	1.0	1.7	1.3	3.0
NAI-15-80	4.0	4.3	3.3	2.0	1.7	2.0	2.0	2.8
PPG-KB 1320	3.3	4.0	4.0	2.3	1.7	2.0	1.7	2.7
LSD VALUE	1.8	1.4	1.1	1.8	1.7	1.8	2.0	0.9
C.V. (%)	21.1	15.1	15.5	44.4	49.2	38.9	43.7	14.9

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

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

TABLE 10A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2019 DATA

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

NAME	BEFORE TRAFFIC ON JULY				AFTER TRAFFIC JULY				PERCENT GREEN COVER		FULLNESS OF CANOPY	
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		PERCENT GREEN COVER		FULLNESS OF CANOPY			
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC		
BAR PP 7K426	8.7	8.7	97.7	91.7	9.0	8.0	91.3	79.3	94.7	81.7		
BARVETTE HGT®	9.0	9.0	99.0	99.0	9.0	7.3	80.3	60.3	99.0	76.7		
A16-17	9.0	9.0	94.7	86.7	9.0	8.0	95.7	80.7	96.3	75.0		
BAR PP 7309V	9.0	8.3	95.0	91.7	9.0	7.7	92.0	79.3	94.7	75.0		
BAR PP 71213	9.0	8.7	99.0	93.0	9.0	7.7	89.7	74.3	97.7	73.3		
PST-K15-172	9.0	8.7	97.7	91.7	9.0	7.0	90.7	72.3	99.0	73.3		
DLFPS-340/3549	9.0	9.0	99.0	94.7	9.0	7.3	92.7	73.0	99.0	71.7		
JERSEY (NAI-A16-3)	9.0	7.0	99.0	83.3	9.0	7.0	94.3	72.7	97.7	71.7		
KH3492	9.0	8.3	97.7	86.7	9.0	7.0	94.0	70.7	99.0	70.0		
DLFPS-340/3552	8.7	8.0	88.3	80.0	9.0	6.7	94.3	79.7	93.3	68.3		
FINISH LINE (NAI-14-178)	9.0	7.0	96.0	75.0	9.0	7.0	94.3	67.0	94.7	68.3		
PST-K15-167	9.0	8.0	96.3	88.3	9.0	6.7	91.7	74.7	94.7	68.3		
BOMBAY (GO-22B23)	9.0	8.3	97.7	88.3	9.0	6.3	92.0	70.0	97.7	66.7		
PPG-KB 1131	9.0	8.3	96.0	85.0	8.7	6.7	92.3	80.0	94.7	66.7		
YELLOWSTONE (A12-7)	9.0	8.3	97.7	88.3	9.0	7.0	92.7	68.7	97.7	66.7		
A11-26	9.0	8.7	97.7	91.3	9.0	6.3	93.3	77.0	97.7	65.0		
AFTER MIDNIGHT	9.0	7.7	97.7	75.0	9.0	6.0	93.3	71.3	96.3	63.3		
BABE	9.0	7.7	97.7	88.3	9.0	6.3	91.3	64.0	95.0	63.3		
BLUE GEM (NAI-13-9)	9.0	6.7	96.3	76.7	8.7	6.3	93.0	69.0	96.3	63.3		
DLFPS-340/3500	8.7	7.0	93.0	70.0	9.0	6.3	92.0	71.7	95.0	63.3		
J-1138	8.7	5.7	91.7	73.3	9.0	6.0	90.7	63.0	94.7	63.3		
PALOMA (PST-K13-139)	9.0	8.0	99.0	88.3	9.0	6.0	90.3	61.3	97.7	63.3		
A11-38	9.0	7.7	99.0	86.7	9.0	5.7	90.7	67.3	97.7	61.7		
BAR PP 79494	9.0	7.0	93.3	76.7	9.0	5.7	92.3	73.0	94.7	61.7		
BLUE DEVIL	9.0	7.0	95.0	75.0	9.0	6.3	93.7	73.7	95.0	61.7		
TWILIGHT (NAI-13-132)	9.0	7.0	96.3	78.3	9.0	6.0	93.0	73.3	95.0	61.7		
UNITED (NAI-13-14)	8.3	6.3	90.0	71.7	9.0	6.0	93.0	75.3	93.3	61.7		
BAR PP 79366	8.7	6.3	91.7	73.3	8.7	6.0	89.7	69.3	94.7	60.0		
DLFPS-340/3455	8.7	8.3	95.0	93.3	9.0	6.0	94.7	70.3	93.3	60.0		
NURUSH (J-3510)	9.0	6.7	97.7	73.3	9.0	6.0	93.7	75.0	95.0	60.0		
PROSPERITY	8.7	6.3	90.0	66.7	9.0	6.0	95.3	81.3	96.3	60.0		
PST-11-7	9.0	8.3	93.3	78.3	8.7	6.3	93.3	82.0	91.7	60.0		
SELWAY	9.0	8.3	96.3	90.0	9.0	5.7	95.0	74.3	96.0	60.0		
AKB3179	9.0	7.7	99.0	86.3	9.0	5.7	90.3	67.7	99.0	58.3		
CLOUD (GO-2425)	9.0	7.3	96.3	83.0	9.0	5.3	92.0	65.3	95.0	58.3		
DLFPS-340/3556	8.0	6.0	80.0	58.3	8.0	5.7	93.7	72.7	91.7	58.3		
RAD 553	9.0	8.3	94.7	90.0	9.0	6.0	90.0	67.0	93.3	58.3		
DLFPS-340/3548	9.0	8.0	95.0	80.0	9.0	5.7	89.3	67.3	93.3	55.0		
MIDNIGHT	9.0	7.3	93.0	76.7	9.0	5.3	90.7	73.7	93.0	55.0		
NEW MOON (PST-K15-177)	8.3	6.0	91.7	68.3	8.7	5.0	94.0	74.7	90.0	55.0		
A16-2	9.0	8.0	97.7	90.0	9.0	5.0	92.7	58.3	99.0	53.3		
AKB3128	9.0	7.3	94.7	78.3	9.0	5.3	92.0	64.7	91.7	53.3		
DLFPS-340/3494	8.0	6.0	88.0	65.0	9.0	5.3	95.3	77.7	93.3	53.3		
BLUE KNIGHT	8.3	6.7	91.3	73.3	9.0	5.0	91.3	62.0	91.7	51.7		
DLFPS-340/3444	9.0	7.0	91.7	80.0	9.0	4.7	93.3	62.0	94.7	51.7		
DLFPS-340/3550	8.3	6.3	90.0	70.0	8.7	5.0	95.7	75.3	93.3	51.7		
J-2726	9.0	6.7	99.0	70.0	9.0	5.0	92.3	66.0	96.3	51.7		
NAI-14-128	8.0	6.3	88.3	75.0	9.0	4.3	89.3	62.3	96.3	51.7		
PST-K13-141	8.7	8.3	91.7	86.7	8.3	5.7	87.0	52.0	93.0	51.7		
SKYE	9.0	8.0	94.7	78.3	9.0	4.7	92.0	60.0	96.3	51.7		

TABLE 10A.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2019 DATA

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

NAME	UNIFORMITY		BEFORE TRAFFIC ON JULY FULLNESS OF CANOPY		AFTER TRAFFIC JULY UNIFORMITY		PERCENT GREEN COVER		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
STARR (GO-2628)	9.0	7.0	96.3	83.0	9.0	4.3	92.7	60.7	97.7	51.7
A11-40	9.0	8.0	97.7	85.0	9.0	4.7	95.0	57.7	97.7	50.0
A15-6	8.0	7.3	81.7	73.3	8.0	4.7	95.0	66.0	83.3	50.0
A16-1	8.7	7.3	93.3	80.0	9.0	5.3	91.0	61.7	88.3	50.0
SYRAH (LTP-11-41)	9.0	7.0	93.3	83.3	9.0	4.7	96.7	61.3	95.0	50.0
MVS-130	8.0	6.0	89.7	73.3	8.7	4.7	90.3	61.7	91.7	50.0
PST-K11-118	9.0	7.7	99.0	90.0	9.0	4.7	94.7	65.0	96.3	50.0
BARSERATI (BAR PP 110358)	9.0	7.3	96.0	76.7	8.7	4.3	94.7	53.7	94.7	48.3
COMANCHE (NAI-14-176)	8.3	5.3	88.3	66.7	8.7	4.3	86.7	55.0	93.0	48.3
SHAMROCK	8.7	7.3	96.3	80.0	9.0	4.7	93.0	63.3	95.0	48.3
BAR PP 7236V	9.0	8.3	96.0	83.3	9.0	4.3	93.3	58.7	91.7	46.7
A10-280	8.7	7.3	90.0	76.7	8.7	4.3	95.3	60.7	86.7	45.0
A13-1	8.0	6.3	85.0	66.7	8.0	4.3	91.0	62.3	86.7	45.0
DLFPS-340/3438	8.3	7.0	83.3	70.0	8.0	4.0	94.0	59.0	88.3	45.0
DLFPS-340/3551	8.3	7.0	90.0	71.7	8.3	4.0	93.7	60.3	86.7	45.0
ORION (PST-K13-143)	9.0	8.3	97.7	88.3	9.0	4.3	87.0	42.3	96.0	45.0
PST-T14-39	9.0	7.3	94.7	78.3	9.0	3.7	94.0	50.0	93.3	43.3
A06-8	8.3	6.3	86.7	65.0	8.0	4.0	96.3	59.3	88.3	41.7
DLFPS-340/3446	8.3	7.0	88.3	68.3	8.7	3.7	91.0	48.7	91.7	41.7
KENBLUE	8.7	7.3	91.7	80.0	8.7	3.7	91.0	51.0	93.3	41.7
PPG-KB 1304	8.3	7.3	93.3	78.3	8.7	3.7	95.7	57.7	88.3	41.7
PPG-KB 1320	9.0	5.7	96.0	65.0	8.7	3.7	92.3	51.7	91.7	41.7
A99-2897	8.0	6.0	81.7	70.0	8.0	3.7	94.0	59.0	86.7	40.0
AKB3241	9.0	7.3	90.0	78.3	8.7	3.7	92.3	51.3	91.7	40.0
NAI-14-122	8.7	5.7	91.7	65.0	9.0	3.7	90.0	53.0	93.3	40.0
PST-K15-157	8.3	6.0	90.0	68.3	8.7	3.7	90.3	48.7	93.3	40.0
A12-34	8.3	6.7	83.3	53.7	8.0	3.3	95.0	61.7	83.3	38.3
AMAZE (NAI-14-133)	7.7	4.7	85.0	60.0	8.3	3.0	88.7	53.3	88.3	35.0
HEARTLAND (NAI-14-187)	8.3	4.7	86.7	55.0	8.7	3.0	89.3	40.3	95.0	35.0
A16-7	8.3	6.3	88.3	70.0	8.0	3.0	90.3	51.7	86.7	33.3
AVIATOR II (NAI-15-84)	8.0	4.7	88.3	60.0	8.3	2.7	91.0	42.7	86.7	33.3
DLFPS-340/3364	7.0	4.3	81.7	55.0	8.0	2.3	87.7	43.7	85.0	31.7
J-1319	8.3	5.0	88.3	53.3	8.7	2.3	92.0	45.7	88.3	31.7
PIVOT	8.3	6.0	91.7	65.0	8.3	2.3	81.7	37.0	91.7	30.0
RAD-1776	8.7	6.0	93.0	68.3	9.0	2.0	85.3	40.7	94.7	30.0
NAI-14-132	8.0	4.3	85.0	58.3	8.3	2.7	86.7	44.7	88.3	30.0
NK-1	7.7	5.7	75.0	56.7	7.3	1.3	87.7	35.0	75.0	26.7
DLFPS-340/3553	8.3	6.0	93.0	70.0	9.0	2.0	94.3	38.0	93.3	25.0
NAI-15-80	8.0	4.0	86.7	51.7	8.3	1.3	90.0	22.0	91.7	15.0
LSD VALUE	0.8	1.6	6.9	14.7	0.5	2.1	2.9	16.3	6.1	17.5
C.V. (%)	5.3	13.9	4.6	11.9	3.4	25.7	2.1	16.2	4.0	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 10B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2019 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/									
	PRE-TRAFFIC 4/				POST-TRAFFIC					
	UNIFORMITY 9/9 NO TRAFFIC	9/9 TRAFFIC	FULLNESS OF CANOPY NO TRAFFIC	9/9 TRAFFIC	UNIFORMITY 10/8 NO TRAFFIC	10/8 TRAFFIC	PERCENT GREEN NO TRAFFIC	COVER 10/7 TRAFFIC	FULLNESS OF CANOPY NO TRAFFIC	10/10 TRAFFIC
BARVETTE HGT®	9.0	9.0	99.0	96.3	9.0	8.7	93.7	91.7	99.0	86.7
BAR PP 71213	9.0	9.0	97.7	96.3	9.0	8.0	93.3	90.0	97.7	76.7
BAR PP 7K426	9.0	8.3	94.7	88.0	8.7	7.0	93.3	81.3	93.3	71.7
PST-K15-167	9.0	8.3	99.0	89.7	9.0	7.3	88.7	86.7	99.0	71.7
PST-K15-172	9.0	8.7	99.0	94.7	9.0	7.3	89.7	87.3	97.7	71.7
DLFPS-340/3549	9.0	8.7	99.0	92.7	9.0	7.0	91.7	85.3	97.7	68.3
YELLOWSTONE (A12-7)	9.0	8.3	99.0	88.0	9.0	7.0	93.0	87.7	97.7	66.7
A16-17	9.0	7.7	97.7	78.3	9.0	7.0	95.7	91.7	97.7	63.3
DLFPS-340/3552	9.0	7.0	96.0	75.0	9.0	6.3	92.0	78.3	95.0	61.7
RAD 553	9.0	8.0	93.3	83.3	9.0	6.7	94.0	88.3	96.3	61.7
A11-38	9.0	8.3	99.0	86.7	9.0	6.3	91.0	85.7	97.7	60.0
BAR PP 7309V	8.7	7.7	96.3	83.3	9.0	6.0	93.7	83.7	97.7	60.0
PALOMA (PST-K13-139)	9.0	7.3	99.0	81.7	9.0	6.0	92.0	83.0	99.0	60.0
PST-11-7	9.0	6.7	96.3	73.3	9.0	6.3	84.7	89.3	96.3	60.0
SELWAY	9.0	8.0	96.3	83.3	9.0	6.3	92.0	85.7	99.0	60.0
JERSEY (NAI-A16-3)	9.0	8.3	99.0	90.0	9.0	6.0	91.3	85.0	97.7	58.3
PROSPERITY	9.0	7.3	99.0	81.7	9.0	6.3	83.0	90.3	99.0	58.3
A11-26	9.0	8.3	97.7	89.7	9.0	6.0	90.7	88.7	97.7	56.7
BABE	9.0	8.0	97.7	85.0	9.0	5.7	94.0	87.0	99.0	56.7
KH3492	9.0	8.0	99.0	81.7	9.0	5.7	93.3	87.3	97.7	56.7
DLFPS-340/3494	8.7	6.3	91.3	70.0	8.3	5.7	88.3	89.0	94.7	55.0
DLFPS-340/3455	9.0	7.0	94.7	76.7	9.0	5.7	93.7	84.0	95.0	53.3
FINISH LINE (NAI-14-178)	9.0	6.7	99.0	70.0	9.0	5.7	91.7	93.7	99.0	53.3
J-2726	9.0	6.7	99.0	75.0	9.0	5.3	85.7	82.7	99.0	53.3
A16-2	9.0	7.3	91.0	78.0	9.0	5.3	93.0	87.0	96.0	51.7
AKB3179	9.0	8.3	99.0	93.0	9.0	5.3	92.0	78.7	97.7	51.7
DLFPS-340/3556	9.0	6.7	88.3	70.0	8.7	5.7	88.0	85.3	93.3	51.7
PPG-KB 1131	9.0	7.7	96.3	78.3	9.0	5.7	87.0	83.7	96.3	51.7
BAR PP 7236V	9.0	6.7	95.0	66.7	9.0	5.0	93.3	85.3	96.3	50.0
BLUE DEVIL	9.0	7.0	96.0	70.0	9.0	5.3	86.3	85.3	99.0	50.0
BOMBAY (GO-22B23)	9.0	8.3	99.0	89.3	9.0	5.7	89.3	84.7	99.0	50.0
DLFPS-340/3444	9.0	6.7	94.7	66.7	8.7	4.7	91.3	85.0	96.3	50.0
NAI-13-132	9.0	6.7	97.7	71.7	9.0	5.0	84.3	84.0	97.7	50.0
BLUE KNIGHT	8.7	7.0	91.7	71.7	8.3	5.0	84.3	76.3	94.7	48.3
J-3510	9.0	7.7	99.0	80.0	9.0	5.3	88.3	83.7	99.0	48.3
MVS-130	9.0	6.7	99.0	71.7	9.0	5.0	87.3	74.0	99.0	48.3
NEW MOON (PST-K15-177)	9.0	5.7	96.3	65.0	9.0	5.3	81.7	86.7	97.7	48.3
PST-K11-118	9.0	6.7	97.7	73.3	9.0	5.0	93.0	88.0	96.3	48.3
BAR PP 79366	9.0	7.0	94.7	75.0	8.7	5.0	91.3	81.3	95.0	46.7
DLFPS-340/3500	9.0	7.3	93.3	75.0	9.0	5.0	89.7	87.0	94.7	46.7
J-1138	9.0	7.3	97.7	76.7	9.0	5.0	87.7	82.3	97.7	46.7
MIDNIGHT	9.0	7.0	94.7	73.3	9.0	5.0	85.3	85.7	96.3	46.7
AFTER MIDNIGHT	9.0	7.3	97.7	78.3	9.0	4.7	79.3	86.7	99.0	45.0
AKB3128	9.0	7.3	99.0	80.0	8.7	5.0	90.7	78.3	95.0	45.0
DLFPS-340/3550	9.0	7.3	95.0	73.3	9.0	4.7	88.7	75.7	95.0	45.0
PST-K13-141	9.0	6.3	93.3	71.7	9.0	4.7	94.0	82.7	91.7	45.0
UNITED (NAI-13-14)	9.0	6.7	93.3	73.3	9.0	4.7	85.7	83.0	94.7	45.0
CLOUD (GO-2425)	9.0	7.0	99.0	73.3	9.0	4.3	89.7	83.0	99.0	43.3
LTP-11-41	9.0	7.3	99.0	80.0	9.0	4.3	92.3	77.3	99.0	43.3
A11-40	9.0	7.0	99.0	71.7	9.0	4.3	94.7	82.7	97.7	41.7

TABLE 10B.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2019 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/									
	PRE-TRAFFIC 4/				POST-TRAFFIC					
	UNIFORMITY 9/9		FULLNESS OF CANOPY 9/9		UNIFORMITY 10/8		PERCENT GREEN COVER 10/7		FULLNESS OF CANOPY 10/10	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
BARSERATI (BAR PP 110358)	9.0	7.0	96.3	71.7	9.0	4.0	91.7	82.7	96.3	41.7
BAR PP 79494	9.0	7.0	93.3	68.3	8.7	4.0	88.7	83.0	95.0	40.0
DLFPS-340/3438	8.7	6.3	90.0	70.0	8.0	3.7	93.3	77.7	86.7	40.0
NAI-14-128	9.0	7.3	96.0	76.7	9.0	3.7	84.0	70.7	99.0	40.0
PST-T14-39	9.0	6.3	96.3	65.0	9.0	3.7	90.0	78.0	96.3	40.0
SKYE	9.0	7.0	97.7	73.3	9.0	4.3	90.0	77.0	99.0	40.0
A10-280	8.7	6.3	91.7	60.0	8.3	4.0	90.7	81.7	86.7	38.3
A13-1	8.0	5.7	85.0	53.3	7.7	3.7	90.0	80.7	83.3	38.3
A15-6	8.7	6.0	88.3	60.0	8.3	4.0	88.7	76.7	86.7	38.3
BLUE GEM (NAI-13-9)	9.0	5.7	96.3	63.3	9.0	4.0	83.3	77.3	95.0	38.3
DLFPS-340/3548	9.0	7.3	97.7	78.3	9.0	4.0	88.0	83.0	96.3	38.3
SHAMROCK	9.0	6.3	97.7	70.0	9.0	4.0	91.7	84.7	96.3	38.3
A16-1	9.0	6.3	93.0	68.3	9.0	3.7	92.7	78.0	96.3	36.7
AKB3241	9.0	6.3	96.3	68.3	9.0	3.3	91.7	75.7	93.3	36.7
AMAZE (NAI-14-133)	9.0	5.3	93.0	60.0	8.7	3.7	85.0	74.3	94.7	36.7
ORION (PST-K13-143)	9.0	7.3	97.7	75.0	9.0	3.7	89.7	72.3	95.0	36.7
DLFPS-340/3551	8.7	5.3	85.0	55.0	8.3	3.7	90.0	78.0	91.7	35.0
PPG-KB 1304	8.7	6.0	91.7	60.0	8.3	3.3	87.7	76.7	88.3	35.0
PPG-KB 1320	9.0	5.7	94.3	61.7	9.0	3.0	86.3	78.0	95.0	35.0
STARR (GO-2628)	9.0	6.7	97.7	70.0	9.0	3.7	89.0	79.0	99.0	35.0
COMANCHE (NAI-14-176)	9.0	6.3	96.0	71.7	9.0	3.0	84.0	65.3	97.7	31.7
KENBLUE	8.7	6.7	91.7	68.3	9.0	3.3	94.7	79.3	93.3	31.7
NAI-14-122	9.0	5.7	97.7	66.7	9.0	3.0	86.3	73.3	97.7	31.7
A16-7	8.3	4.7	91.3	51.7	8.0	3.0	87.7	77.3	88.3	30.0
DLFPS-340/3446	9.0	5.7	94.7	61.7	8.0	2.7	90.3	71.7	86.7	30.0
TWILIGHT (NAI-14-132)	9.0	5.0	94.7	56.7	9.0	2.7	83.7	68.0	97.7	30.0
A06-8	8.7	5.0	90.0	50.0	8.3	2.7	87.3	70.0	91.7	28.3
A12-34	8.7	5.3	88.3	55.0	8.3	3.0	86.7	69.7	90.0	28.3
A99-2897	8.0	5.0	81.7	50.0	8.0	2.7	81.7	76.3	85.0	28.3
PIVOT	8.7	4.7	95.0	56.7	8.7	2.7	84.7	73.3	93.0	28.3
HEARTLAND (NAI-14-187)	9.0	5.7	96.3	66.7	9.0	3.0	84.3	63.3	99.0	26.7
RAD-1776	9.0	5.7	97.7	65.0	8.3	2.7	94.0	71.7	95.0	25.0
AVIATOR II (NAI-15-84)	8.0	4.7	88.3	45.0	7.7	2.0	87.0	67.3	80.0	21.7
DLFPS-340/3553	8.7	5.3	94.7	56.7	8.7	1.7	90.0	73.3	90.0	21.7
J-1319	9.0	4.3	91.7	50.0	8.0	1.7	76.7	64.0	90.0	21.7
DLFPS-340/3364	7.3	4.3	76.7	46.7	7.0	1.7	83.0	67.3	75.0	20.0
NK-1	7.0	3.3	71.7	30.0	7.0	1.0	90.7	53.0	71.7	15.0
PST-K15-157	9.0	4.3	91.7	46.7	7.3	1.0	89.3	50.7	81.7	13.3
NAI-15-80	8.0	2.7	83.3	28.3	7.0	1.0	89.3	51.3	75.0	10.0
LSD VALUE	0.4	1.6	6.1	16.2	0.5	1.7	3.4	7.9	4.7	15.2
C.V. (%)	2.9	15.0	4.1	14.4	3.8	24.0	2.5	6.5	3.4	22.1

- 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.
- 3/ TRAFFIC APPLIED IN FALL 2019 USING 14 PASSES OF A VIBRATORY ROLLER AND 14 PASSES OF THE RUTGERS WEAR SIMULATOR.
- 4/ RATINGS COLLECTED 9/9 ON TRAFFIC STRIPS REFLECT RECOVERY FROM PREVIOUS TRAFFIC APPLICATIONS.

TABLE 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2019 DATA

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

NAME	QUALITY RATINGS					QUALITY PRE TRAFFIC	% GREEN COVER PRE TRAFFIC	% BARE GROUND PRE TRAFFIC	QUALITY MIDTRAFFIC	% GREEN COVER POST TRAFFIC	% BARE GROUND POST TRAFFIC	QUALITY POST TRAFFIC	% COVER 2 WEEKS POST TRAFFIC	% GROUND 2 WEEKS POST TRAFFIC	QUALITY 2 WEEKS POST TRAFFIC
	MAY	JUN	JUL	AUG	MEAN										
AKB3179	7.0	6.0	6.0	5.0	6.0	5.0	91.7	8.3	5.7	85.0	15.0	5.7	85.0	15.0	7.3
BARSERATI (BAR PP 110358)	6.0	6.3	5.3	5.3	5.8	5.3	93.0	6.7	6.0	86.3	13.3	6.0	86.3	13.3	7.3
HEARTLAND (NAI-14-187)	5.7	5.7	4.0	4.3	4.9	4.3	91.3	8.3	6.0	84.7	15.0	5.7	84.7	15.0	7.3
YELLOWSTONE (A12-7)	6.7	6.3	5.0	5.3	5.8	5.3	90.0	10.0	5.3	83.3	16.7	5.7	83.3	16.7	7.3
A11-26	7.7	6.3	5.7	5.7	6.3	5.7	91.3	8.3	5.3	84.7	15.0	5.3	84.7	15.0	7.0
BAR PP 7236V	8.0	5.7	5.0	5.0	5.9	5.0	90.0	10.0	5.3	81.7	18.3	5.3	81.7	18.3	7.0
BLUE GEM (NAI-13-9)	8.3	5.3	4.3	3.7	5.4	3.7	90.0	10.0	5.0	81.7	18.3	5.3	81.7	18.3	7.0
DLFPS-340/3500	7.3	6.0	4.7	5.3	5.8	5.3	91.3	8.3	5.7	84.7	15.0	5.7	84.7	15.0	7.0
J-1138	7.0	6.0	5.3	5.0	5.8	5.0	91.7	8.3	5.7	83.3	16.7	6.0	83.3	16.7	7.0
KH3492	6.7	6.0	5.7	5.0	5.8	5.0	91.3	8.3	6.0	86.3	13.3	6.0	84.7	15.0	7.0
PIVOT	6.7	6.0	5.7	5.3	5.9	5.3	90.0	10.0	5.0	80.0	20.0	5.3	80.0	20.0	7.0
PPG-KB 1320	8.0	6.0	5.3	5.0	6.1	5.0	91.3	8.3	5.7	86.3	13.3	5.7	86.3	13.3	7.0
RAD-1776	8.7	6.0	5.0	4.3	6.0	4.3	91.3	8.3	5.7	84.7	15.0	5.3	84.7	15.0	7.0
A06-8	7.0	6.0	5.0	4.7	5.7	4.7	91.3	8.3	5.3	83.0	16.7	5.3	83.0	16.7	6.7
A10-280	5.7	5.7	5.3	5.0	5.4	5.0	90.0	10.0	5.0	81.7	18.3	5.3	81.7	18.3	6.7
A11-38	8.0	6.0	5.0	5.7	6.2	5.7	88.3	11.7	5.0	80.0	20.0	5.3	80.0	20.0	6.7
A11-40	8.3	6.0	5.3	6.7	6.6	6.7	90.0	10.0	5.0	83.3	16.7	5.7	81.7	18.3	6.7
A13-1	5.7	5.7	5.0	4.7	5.3	4.7	90.0	10.0	5.0	83.3	16.7	5.3	83.3	16.7	6.7
A15-6	6.7	5.3	5.0	4.0	5.3	4.0	88.3	11.7	4.0	80.0	20.0	4.7	80.0	20.0	6.7
A99-2897	7.7	6.3	5.7	6.3	6.5	6.3	90.0	10.0	4.7	83.3	16.7	5.3	83.3	16.7	6.7
AFTER MIDNIGHT	8.0	6.0	6.3	4.3	6.2	4.3	88.3	11.7	4.7	81.7	18.3	5.7	80.0	20.0	6.7
AKB3241	8.0	6.0	6.3	4.3	6.2	4.3	88.3	11.7	4.3	81.7	18.3	5.0	81.7	18.3	6.7
BABE	7.3	5.7	5.3	4.0	5.6	4.0	90.0	10.0	5.3	81.7	18.3	5.7	80.0	20.0	6.7
BAR PP 79366	6.7	5.7	5.7	4.0	5.5	4.0	90.0	10.0	5.0	81.7	18.3	5.0	81.7	18.3	6.7
BAR PP 79494	8.3	6.0	5.7	4.3	6.1	4.3	88.3	11.7	5.3	80.0	20.0	5.3	80.0	20.0	6.7
BLUE KNIGHT	8.0	5.7	5.0	4.7	5.8	4.7	90.0	10.0	4.7	83.3	16.7	4.7	83.3	16.7	6.7
BOMBAY (GO-22B23)	8.0	5.7	4.3	5.3	5.8	5.3	88.3	11.7	5.0	80.0	20.0	5.3	80.0	20.0	6.7
COMANCHE (NAI-14-176)	6.0	5.3	5.0	4.0	5.1	4.0	86.7	13.3	4.7	78.3	21.7	4.7	78.3	21.7	6.7
DLFPS-340/3364	7.7	6.7	6.3	5.3	6.5	5.3	91.3	8.3	5.3	84.7	15.0	5.7	83.0	16.7	6.7
DLFPS-340/3444	7.0	5.3	5.3	4.7	5.6	4.7	91.3	8.3	5.0	84.7	15.0	5.3	83.0	16.7	6.7
DLFPS-340/3494	6.7	5.7	5.3	4.7	5.6	4.7	91.3	8.3	5.3	84.7	15.0	5.3	83.0	16.7	6.7
DLFPS-340/3548	8.0	6.3	5.7	5.7	6.4	5.7	93.0	6.7	5.3	83.3	16.7	5.3	83.3	16.7	6.7
DLFPS-340/3549	7.0	6.3	6.0	5.7	6.3	5.7	90.0	10.0	5.0	81.7	18.3	5.0	81.7	18.3	6.7
NURUSH (J-3510)	8.3	6.0	6.3	5.3	6.5	5.3	88.3	11.7	4.3	81.7	18.3	5.0	81.7	18.3	6.7
JERSEY (NAI-A16-3)	6.3	6.0	4.7	5.3	5.6	5.3	91.3	8.3	6.0	84.7	15.0	5.7	83.0	16.7	6.7
KENBLUE	8.7	5.3	4.3	4.0	5.6	4.0	91.3	8.3	5.7	86.3	13.3	5.3	84.7	15.0	6.7
SYRAH (LTP-11-41)	7.0	6.0	5.7	4.3	5.8	4.3	90.0	10.0	5.0	83.3	16.7	5.3	83.3	16.7	6.7
TWILIGHT (NAI-13-132)	7.3	5.7	5.3	4.3	5.7	4.3	88.3	11.7	5.0	80.0	20.0	5.0	78.3	21.7	6.7
NAI-14-122	7.0	6.0	5.0	6.3	6.1	6.3	90.0	10.0	5.0	81.7	18.3	5.3	81.7	18.3	6.7
NEW MOON (PST-K15-177)	7.0	6.0	5.0	4.7	5.7	4.7	91.3	8.3	5.0	84.7	15.0	5.3	83.0	16.7	6.7
NK-1	7.0	5.7	6.0	5.0	5.9	5.0	88.3	11.7	5.0	81.7	18.3	5.3	80.0	20.0	6.7
ORION (PST-K13-143)	6.7	6.0	6.7	5.0	6.1	5.0	88.3	11.7	4.3	80.0	20.0	4.7	80.0	20.0	6.7
PPG-KB 1131	5.0	5.0	5.0	3.7	4.7	3.7	88.3	11.7	4.3	80.0	20.0	4.7	81.7	18.3	6.7
PST-K11-118	8.0	5.3	5.0	4.0	5.6	4.0	88.3	11.7	4.0	80.0	20.0	4.7	80.0	20.0	6.7
PST-K15-167	7.3	5.3	5.0	5.0	5.7	5.0	88.3	11.7	4.7	80.0	20.0	5.0	80.0	20.0	6.7
PST-K15-172	7.0	5.7	5.3	4.3	5.6	4.3	90.0	10.0	5.0	81.7	18.3	5.0	80.0	20.0	6.7
RAD 553	8.3	6.0	5.7	6.0	6.5	6.0	90.0	10.0	5.0	81.7	18.3	5.3	81.7	18.3	6.7
SKYE	8.0	6.0	6.3	5.0	6.3	5.0	88.3	11.7	4.3	80.0	20.0	5.0	81.7	18.3	6.7

TABLE 11.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2019 DATA

NAME	QUALITY RATINGS					QUALITY PRE TRAFFIC	% GREEN COVER PRE TRAFFIC	% BARE GROUND PRE TRAFFIC	QUALITY MID TRAFFIC	% GREEN COVER POST TRAFFIC	% BARE GROUND POST TRAFFIC	QUALITY POST TRAFFIC	% COVER 2 WEEKS POST TRAFFIC	% GROUND 2 WEEKS POST TRAFFIC	QUALITY 2 WEEKS POST TRAFFIC
	MAY	JUN	JUL	AUG	MEAN										
NAI-14-132	7.0	5.7	5.7	4.7	5.8	4.7	88.3	11.7	4.7	80.0	20.0	5.0	80.0	20.0	6.7
A12-34	7.3	5.3	5.0	3.3	5.3	3.3	88.3	11.7	4.7	80.0	20.0	4.7	78.3	21.7	6.3
A16-2	6.0	5.3	5.7	4.3	5.3	4.3	86.7	13.3	4.3	78.3	21.7	4.7	78.3	21.7	6.3
AKB3128	5.7	5.7	4.7	4.7	5.2	4.7	88.3	11.7	5.0	81.7	18.3	5.0	81.7	18.3	6.3
AMAZE (NAI-14-133)	7.3	5.7	5.3	5.0	5.8	5.0	88.3	11.7	4.3	80.0	20.0	4.7	80.0	20.0	6.3
AVIATOR II (NAI-15-84)	6.7	5.3	4.7	5.0	5.4	5.0	88.3	11.7	5.0	80.0	20.0	5.0	80.0	20.0	6.3
BAR PP 71213	8.3	5.7	6.3	5.0	6.3	5.0	90.0	10.0	4.7	83.3	16.7	5.3	81.7	18.3	6.3
BAR PP 7309V	7.7	6.0	5.7	6.0	6.3	6.0	88.3	11.7	5.0	81.7	18.3	5.3	80.0	20.0	6.3
BARVETTE HGT®	8.3	5.7	5.3	5.3	6.2	5.3	88.3	11.7	5.0	80.0	20.0	5.3	78.3	21.7	6.3
BLUE DEVIL	7.0	5.3	5.3	4.7	5.6	4.7	90.0	10.0	5.0	81.7	18.3	5.0	80.0	20.0	6.3
CLOUD (GO-2425)	7.3	6.0	6.0	4.0	5.8	4.0	90.0	10.0	4.7	81.7	18.3	5.0	80.0	20.0	6.3
DLFPS-340/3438	7.0	5.7	5.0	5.0	5.7	5.0	88.3	11.7	4.3	80.0	20.0	4.7	80.0	20.0	6.3
DLFPS-340/3446	7.7	5.3	5.3	4.7	5.8	4.7	90.0	10.0	4.7	81.7	18.3	5.0	81.7	18.3	6.3
DLFPS-340/3455	8.0	5.0	5.0	4.3	5.6	4.3	88.3	11.7	4.0	80.0	20.0	4.7	80.0	20.0	6.3
DLFPS-340/3553	7.3	5.7	5.3	4.7	5.8	4.7	88.3	11.7	4.7	80.0	20.0	4.7	78.3	21.7	6.3
DLFPS-340/3556	6.0	5.7	5.0	4.7	5.3	4.7	88.3	11.7	4.7	80.0	20.0	4.7	78.3	21.7	6.3
FINISH LINE (NAI-14-178)	7.0	6.0	5.3	5.0	5.8	5.0	91.3	8.3	5.3	84.7	15.0	6.0	83.0	16.7	6.3
J-1319	7.7	6.0	6.0	4.7	6.1	4.7	90.0	10.0	5.0	83.3	16.7	5.7	81.7	18.3	6.3
J-2726	6.7	6.0	6.0	5.3	6.0	5.3	90.0	10.0	5.3	83.3	16.7	5.3	81.7	18.3	6.3
MVS-130	6.3	5.7	5.3	6.3	5.9	6.3	91.7	8.3	5.0	83.3	16.7	5.7	83.3	16.7	6.3
PPG-KB 1304	6.7	5.3	6.0	4.3	5.6	4.3	90.0	10.0	4.7	81.7	18.3	5.3	80.0	20.0	6.3
PROSPERITY	6.3	6.0	5.3	4.7	5.6	4.7	91.7	8.3	5.0	83.3	16.7	5.0	81.7	18.3	6.3
PST-K15-157	6.3	5.7	6.0	4.3	5.6	4.3	88.3	11.7	4.3	80.0	20.0	4.3	78.3	21.7	6.3
PST-T14-39	6.3	5.3	4.7	4.7	5.3	4.7	85.0	15.0	4.7	76.7	23.3	5.0	76.7	23.3	6.3
STARR (GO-2628)	8.3	5.7	6.3	5.0	6.3	5.0	90.0	10.0	5.0	81.7	18.3	5.0	80.0	20.0	6.3
A16-1	6.7	5.3	5.0	5.0	5.5	5.0	88.3	11.7	4.7	80.0	20.0	5.0	78.3	21.7	6.0
A16-17	6.0	5.3	4.7	5.7	5.4	5.7	83.3	16.7	5.0	75.0	25.0	5.0	75.0	25.0	6.0
A16-7	7.3	5.7	6.0	4.7	5.9	4.7	88.3	11.7	4.7	80.0	20.0	5.0	80.0	20.0	6.0
BAR PP 7K426	6.3	5.7	5.3	5.7	5.8	5.7	88.3	11.7	4.7	80.0	20.0	5.0	80.0	20.0	6.0
MIDNIGHT	5.7	5.0	5.3	3.3	4.8	3.3	88.3	11.7	4.3	80.0	20.0	4.3	78.3	21.7	6.0
NAI-14-128	5.7	5.3	6.0	4.0	5.3	4.0	88.3	11.7	4.3	78.3	21.7	4.7	78.3	21.7	6.0
PALOMA (PST-K13-139)	7.3	5.3	4.7	4.7	5.5	4.7	88.3	11.7	5.0	80.0	20.0	5.0	78.3	21.7	6.0
PST-11-7	8.7	6.3	6.3	5.7	6.8	5.7	88.3	11.7	4.0	80.0	20.0	5.0	78.3	21.7	6.0
SELWAY	8.7	6.0	5.7	5.0	6.3	5.0	88.3	11.7	4.7	80.0	20.0	5.0	78.3	21.7	6.0
SHAMROCK	7.3	5.7	4.7	5.0	5.7	5.0	86.7	13.3	5.3	78.3	21.7	4.7	78.3	21.7	6.0
DLFPS-340/3550	7.0	5.0	5.7	3.7	5.3	3.7	86.7	13.3	4.3	78.3	21.7	4.7	76.7	23.3	5.7
DLFPS-340/3551	8.0	5.3	5.0	4.7	5.8	4.7	86.7	13.3	4.3	78.3	21.7	4.7	75.0	25.0	5.7
DLFPS-340/3552	7.0	5.7	5.7	5.0	5.8	5.0	83.3	16.7	4.3	75.0	25.0	4.7	75.0	25.0	5.7
NAI-15-80	5.0	5.7	5.3	5.0	5.3	5.0	90.0	10.0	4.7	81.7	18.3	5.0	78.3	21.7	5.7
PST-K13-141	7.0	5.0	4.7	3.7	5.1	3.7	86.7	13.3	4.3	78.3	21.7	4.3	75.0	25.0	5.7
UNITED (NAI-13-14)	7.3	5.0	5.3	4.0	5.4	4.0	83.3	16.7	4.3	76.7	23.3	4.7	75.0	25.0	5.7
LSD VALUE	4.5	3.0	4.7	3.7	3.2	3.7	12.6	13.0	3.8	14.8	15.5	2.8	17.6	18.3	2.1
C.V. (%)	19.1	11.5	18.6	22.4	12.8	22.4	3.6	31.0	17.4	4.9	22.4	13.3	5.4	23.5	9.6

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

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

TABLE 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER SHADE AT AMES, IA 1/  
2019 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY RATINGS			QUALITY RATINGS									MEAN
			SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
A06-8	7.7	6.3	5.7	6.0	5.7	6.0	6.0	6.3	6.3	6.3	7.0	6.3	6.0	6.3	
BAR PP 7309V	7.3	6.3	7.0	5.7	4.7	6.3	6.7	6.3	5.7	6.0	6.3	5.7	5.7	6.1	
DLFPS-340/3494	8.3	6.0	6.0	5.3	4.7	5.7	5.7	6.0	6.0	6.3	7.0	6.0	6.0	6.1	
JERSEY (NAI-A16-3)	8.0	5.7	5.3	5.7	4.3	6.0	6.3	6.0	6.0	5.7	7.0	5.3	5.3	6.0	
A10-280	6.3	5.3	5.3	6.3	4.7	5.3	6.0	5.3	5.7	5.7	6.0	6.0	6.0	5.8	
AKB3128	6.0	6.0	6.3	6.3	4.7	5.3	6.3	5.7	5.7	6.0	6.0	5.7	5.7	5.8	
BAR PP 79494	7.0	6.3	6.7	5.3	4.7	5.3	6.0	5.3	5.7	6.0	6.0	6.0	6.0	5.8	
BOMBAY (GO-22B23)	6.7	6.0	6.7	5.7	4.3	5.3	6.3	6.0	5.3	6.3	6.0	5.3	5.3	5.8	
DLFPS-340/3446	8.0	5.7	6.0	5.7	4.3	5.7	6.3	6.0	5.7	6.0	6.3	5.3	5.0	5.8	
DLFPS-340/3455	6.7	6.0	6.0	5.7	4.0	5.3	6.0	6.3	5.7	6.0	6.3	5.0	5.7	5.8	
J-1319	7.7	6.7	6.3	5.0	4.3	6.3	6.7	5.7	6.0	5.7	5.7	5.0	5.0	5.8	
UNITED (NAI-13-14)	7.0	6.0	5.7	5.7	5.7	5.7	6.0	5.3	5.3	6.0	6.0	6.3	6.0	5.8	
A16-2	7.0	5.7	5.7	5.7	4.7	5.0	6.0	5.0	6.0	5.7	6.0	6.0	5.7	5.7	
A99-2897	7.3	7.3	6.0	5.0	4.3	6.0	5.7	5.3	5.3	5.7	6.3	5.7	5.7	5.7	
AFTER MIDNIGHT	7.3	6.7	5.7	5.7	4.7	5.7	6.0	5.7	5.7	6.0	5.7	5.3	5.7	5.7	
BLUE GEM (NAI-13-9)	8.0	6.3	5.3	5.3	4.3	5.7	5.7	5.3	5.7	5.3	6.0	5.7	6.3	5.7	
DLFPS-340/3556	6.7	5.3	5.7	6.3	5.0	5.7	6.0	5.3	5.3	6.0	6.0	5.7	5.3	5.7	
NAI-14-128	7.0	5.7	5.7	5.3	5.3	5.7	6.0	4.7	6.0	5.7	6.0	6.0	5.3	5.7	
STARR (GO-2628)	7.3	6.3	6.0	5.7	4.0	6.3	6.0	5.3	5.0	5.7	6.3	5.0	5.7	5.7	
A12-34	6.3	6.7	6.3	6.0	4.3	5.7	6.0	5.7	5.3	6.0	5.7	5.0	5.3	5.6	
A16-17	7.3	6.0	6.3	5.3	4.7	5.7	6.0	5.3	5.3	5.7	6.3	5.7	4.7	5.6	
DLFPS-340/3500	7.0	5.7	5.3	5.3	5.7	5.3	6.0	6.0	5.7	5.3	6.0	5.7	5.0	5.6	
J-2726	7.3	7.0	6.0	5.3	4.3	6.7	5.7	5.7	5.3	5.3	6.0	5.0	5.3	5.6	
KH3492	6.3	6.3	6.0	6.0	5.0	5.7	6.3	5.3	5.7	5.7	5.7	5.3	5.3	5.6	
TWILIGHT (NAI-13-132)	7.0	6.0	6.3	5.3	5.3	5.3	6.3	5.7	5.0	5.7	6.0	5.7	5.0	5.6	
AKB3241	6.7	6.0	5.0	5.7	4.7	5.0	5.0	5.3	5.3	5.7	6.0	6.0	6.0	5.5	
BAR PP 79366	7.3	6.3	5.7	5.3	4.0	5.3	5.7	5.3	5.7	6.0	5.7	5.0	5.3	5.5	
J-1138	6.7	6.0	6.0	5.7	4.3	5.3	6.0	6.0	5.7	5.3	5.7	5.0	4.7	5.5	
PST-11-7	7.7	5.7	5.0	5.0	4.0	5.0	5.0	5.3	5.7	6.0	6.0	5.7	5.3	5.5	
BARVETTE HGT®	7.3	5.7	6.3	6.0	4.0	4.7	6.0	5.0	5.3	6.3	5.7	5.3	4.7	5.4	
NURUSH (J-3510)	7.0	5.7	5.7	5.0	4.0	5.0	5.7	6.0	5.3	5.3	5.7	5.3	4.7	5.4	
PIVOT	6.3	5.7	7.0	5.3	4.0	5.0	6.3	5.7	5.3	5.0	5.7	5.0	5.3	5.4	
PPG-KB 1304	6.7	5.3	6.3	5.3	4.0	5.0	6.0	5.3	5.7	5.3	5.7	5.0	5.0	5.4	
PST-K13-141	6.3	5.7	6.0	5.0	4.3	5.7	6.0	5.0	5.3	5.3	5.7	4.7	5.3	5.4	
RAD-1776	7.0	6.0	5.7	5.7	4.3	5.3	6.0	5.0	5.0	5.7	5.7	5.3	5.0	5.4	
BAR PP 7K426	6.0	5.3	5.3	5.3	5.0	5.3	4.7	4.7	5.3	5.7	6.0	5.3	5.7	5.3	
DLFPS-340/3549	7.0	5.3	6.0	4.7	4.3	5.0	5.7	5.0	5.0	5.0	5.7	5.3	5.3	5.3	
NK-1	7.3	6.0	5.7	5.7	4.0	5.0	5.7	5.0	5.0	5.7	5.3	5.3	5.0	5.3	
A13-1	6.7	5.7	5.3	5.0	4.0	4.7	5.0	5.3	4.7	5.3	6.0	5.0	5.3	5.2	
DLFPS-340/3552	7.0	5.7	6.0	5.0	4.0	5.0	5.3	5.0	5.3	5.7	5.7	5.0	4.7	5.2	
HEARTLAND (NAI-14-187)	6.7	6.3	5.0	5.0	4.3	4.7	5.0	5.3	5.3	5.7	5.0	5.3	5.0	5.2	
A11-40	6.7	5.3	5.3	5.0	4.0	4.7	5.0	5.0	5.0	5.7	5.3	5.0	5.0	5.1	
A15-6	7.7	6.0	5.3	5.0	4.7	5.0	5.0	5.0	5.3	5.3	5.7	5.0	4.3	5.1	
CLOUD (GO-2425)	7.3	5.7	5.3	4.7	4.3	5.3	5.7	5.0	5.0	5.0	5.7	4.7	4.3	5.1	
PALOMA (PST-K13-139)	7.0	5.3	5.7	4.7	4.0	4.3	5.0	5.0	5.3	5.0	5.7	5.0	5.3	5.1	
RAD 553	7.3	4.7	6.0	5.0	4.7	4.7	5.3	5.0	5.3	5.0	6.0	5.0	4.7	5.1	
SELWAY	7.0	6.0	5.3	5.0	4.0	4.7	5.3	5.0	5.3	5.0	5.3	5.0	5.3	5.1	
A11-26	6.7	5.3	5.3	5.0	4.0	4.7	5.3	5.0	5.0	5.0	5.0	4.7	5.0	5.0	
DLFPS-340/3550	6.7	5.3	5.3	5.3	4.0	5.0	5.0	5.0	5.0	5.7	5.3	4.7	4.7	5.0	
DLFPS-340/3551	7.3	5.0	6.0	5.0	4.0	5.0	5.0	5.0	5.0	4.7	5.7	4.7	5.0	5.0	



TABLE 12.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
GROWN UNDER SHADE AT AMES, IA 1/  
2019 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY RATINGS			APR	MAY	JUN	JUL	QUALITY RATINGS			OCT	NOV	MEAN
			SPRING	SUMMER	FALL					AUG	SEP				
DLFPS-340/3553	6.7	5.7	6.3	5.0	4.0	5.0	5.3	5.0	5.0	5.3	5.3	5.0	4.3	5.0	
SYRAH (LTP-11-41)	6.7	5.3	4.7	4.7	4.0	4.7	4.7	5.0	5.3	5.3	5.3	5.0	5.0	5.0	
PPG-KB 1320	6.7	6.0	5.7	4.7	5.0	5.0	5.0	5.0	4.7	5.3	5.3	5.0	5.0	5.0	
PST-K15-172	7.0	5.7	5.3	5.0	4.0	5.0	5.3	4.7	5.0	5.0	5.7	5.0	4.7	5.0	
A11-38	6.3	5.0	5.0	5.0	4.0	4.3	4.7	4.7	5.0	5.0	5.3	5.0	5.3	4.9	
A16-1	7.3	4.7	5.3	4.7	4.3	4.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	
AMAZE (NAI-14-133)	7.0	5.3	5.7	5.0	4.0	4.7	5.3	4.3	4.7	5.0	5.3	5.0	4.7	4.9	
BABE	6.7	5.7	5.3	5.3	4.0	5.0	4.3	4.7	5.0	5.0	5.3	5.0	5.0	4.9	
BAR PP 71213	6.3	4.7	4.7	4.3	4.0	4.3	4.7	5.0	5.0	5.0	5.3	4.7	5.0	4.9	
DLFPS-340/3444	7.0	6.0	4.7	4.7	4.0	5.0	4.7	5.0	5.0	4.7	5.3	5.0	4.7	4.9	
MIDNIGHT	6.7	6.3	5.0	4.0	4.0	4.7	4.7	5.3	5.0	5.0	5.0	5.0	4.7	4.9	
MVS-130	6.7	5.0	5.0	4.3	4.0	4.0	5.0	5.3	5.0	5.0	5.0	5.0	4.7	4.9	
PPG-KB 1131	6.7	5.0	5.3	5.0	4.0	4.3	5.0	5.0	5.0	5.3	5.0	4.7	5.0	4.9	
PST-K11-118	6.0	5.0	6.3	5.0	4.0	4.3	5.0	5.0	5.0	4.3	5.3	5.0	5.0	4.9	
NAI-14-132	7.3	5.0	5.0	4.7	4.0	4.3	4.7	5.0	5.0	5.0	5.3	5.0	5.0	4.9	
AKB3179	6.3	5.7	5.0	4.7	4.3	4.3	4.3	5.0	4.7	4.7	5.3	5.3	5.0	4.8	
AVIATOR II (NAI-15-84)	6.7	4.7	5.3	4.7	4.0	4.0	4.7	4.7	5.0	4.7	5.3	5.0	5.0	4.8	
BARSERATI (BAR PP 110358)	6.3	5.7	5.0	4.3	4.0	4.7	4.3	4.7	4.7	5.0	5.0	5.0	4.7	4.8	
COMANCHE (NAI-14-176)	7.3	4.3	5.7	5.0	4.0	4.0	5.0	4.7	4.7	5.3	5.3	5.0	4.3	4.8	
DLFPS-340/3438	6.7	5.7	5.3	4.3	4.0	4.7	4.7	4.7	5.0	5.0	5.0	5.0	4.3	4.8	
FINISH LINE (NAI-14-178)	6.7	4.7	5.0	5.0	4.0	4.3	4.7	4.7	5.0	5.0	5.3	5.0	4.7	4.8	
KENBLUE	6.3	5.3	5.7	5.0	4.3	4.7	5.0	4.7	4.7	5.0	5.0	5.0	4.3	4.8	
NAI-14-122	6.7	5.0	5.7	4.7	4.0	4.3	4.7	5.0	4.7	4.7	5.0	5.0	4.7	4.8	
PST-K15-167	6.0	5.3	6.0	4.7	4.3	4.7	5.0	4.7	5.0	4.7	5.0	5.0	4.3	4.8	
SHAMROCK	7.0	5.0	4.3	5.0	4.0	4.3	4.7	5.0	5.0	4.7	5.3	4.7	5.0	4.8	
YELLOWSTONE (A12-7)	7.3	5.0	4.7	5.0	4.0	4.3	4.7	4.7	4.7	5.0	5.7	5.0	4.7	4.8	
A16-7	6.0	4.0	6.0	4.7	4.0	4.0	5.0	5.0	5.0	4.7	5.0	4.7	4.0	4.7	
BAR PP 7236V	6.0	5.0	6.3	5.0	4.0	4.7	5.7	4.3	4.3	5.0	5.0	4.3	4.3	4.7	
DLFPS-340/3548	7.0	4.7	5.3	4.7	4.0	4.3	5.0	4.3	5.0	5.0	5.0	4.7	4.0	4.7	
NAI-15-80	7.0	4.0	5.0	5.0	4.0	4.0	4.7	4.7	5.0	4.7	5.3	4.7	4.3	4.7	
NEW MOON (PST-K15-177)	7.0	4.3	5.3	4.7	4.0	4.0	5.0	4.3	5.0	5.0	5.0	5.0	4.3	4.7	
ORION (PST-K13-143)	6.7	4.7	4.7	4.3	4.0	4.0	4.7	4.7	5.0	5.0	5.0	4.7	4.3	4.7	
PROSPERITY	5.7	5.0	5.3	5.0	4.0	4.3	5.0	4.3	4.3	4.3	5.3	4.7	5.0	4.7	
PST-T14-39	6.0	5.3	5.3	4.7	4.0	5.3	4.7	4.3	5.0	4.3	4.7	4.7	4.7	4.7	
SKYE	6.3	4.3	5.0	5.0	4.0	4.0	4.7	5.0	5.0	5.0	5.0	4.7	4.3	4.7	
PST-K15-157	6.0	4.7	5.0	4.7	4.0	4.0	4.7	4.7	5.0	4.7	4.7	5.0	4.3	4.6	
BLUE DEVIL	5.3	4.3	5.7	4.7	4.3	4.0	5.0	4.3	4.7	4.7	4.7	4.7	4.3	4.5	
BLUE KNIGHT	6.0	4.0	5.0	4.3	4.0	4.0	4.7	4.3	4.7	5.0	4.7	4.3	4.7	4.5	
DLFPS-340/3364	6.0	5.3	5.0	5.0	4.0	4.3	5.0	4.3	4.3	4.7	4.7	4.0	4.7	4.5	
LSD VALUE	4.4	5.7	3.7	4.4	3.1	4.1	3.2	1.8	2.5	2.8	3.5	2.0	2.7	2.1	
C.V. (%)	14.6	22.4	16.8	17.8	17.2	21.7	18.3	13.9	13.0	15.2	15.8	13.1	16.2	12.8	

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

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

TABLE 13.

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 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
AFTER MIDNIGHT	7.7	8.7	6.0	7.3	8.0	8.7	8.0	6.0	5.7	9.0	8.0	8.3	6.0	7.5
J-1319	6.7	9.0	7.3	8.3	8.0	8.3	8.0	4.0	6.0	9.0	7.7	7.3	7.3	7.5
TWILIGHT (NAI-13-132)	7.0	8.7	7.7	7.3	8.0	7.0	7.7	7.0	5.3	8.7	7.3	8.3	5.3	7.3
BLUE GEM (NAI-13-9)	7.3	8.7	7.7	7.0	7.3	7.0	7.7	6.0	5.7	9.0	7.3	8.3	6.0	7.3
MIDNIGHT	7.7	8.3	8.0	7.0	8.0	7.3	6.3	6.0	5.3	8.7	7.3	7.7	6.0	7.2
NAI-14-128	7.3	8.0	7.7	8.3	7.7	7.7	7.3	5.0	6.0	9.0	7.3	5.3	7.0	7.2
NAI-14-122	6.7	7.7	7.0	8.0	7.0	7.3	7.3	6.0	6.3	9.0	7.7	6.3	6.7	7.2
UNITED (NAI-13-14)	7.0	8.3	7.3	7.0	7.7	7.0	7.3	6.0	5.3	9.0	7.0	8.7	5.3	7.2
PROSPERITY	7.3	9.0	7.3	6.0	8.0	8.0	8.0	5.0	6.0	9.0	7.0	4.0	8.3	7.2
NEW MOON (PST-K15-177)	7.3	7.3	7.0	7.3	7.0	7.0	7.7	5.0	5.7	9.0	7.3	6.7	8.3	7.1
BAR PP 79494	7.0	8.7	7.7	6.7	8.0	7.0	7.7	6.0	5.3	8.7	7.0	7.7	5.0	7.1
MVS-130	7.3	7.3	6.7	8.0	7.0	7.7	7.3	6.0	6.0	9.0	7.7	5.7	6.0	7.1
J-1138	7.3	7.7	7.3	7.0	7.3	7.3	7.0	6.0	5.3	8.0	7.3	7.7	6.0	7.0
NAI-14-132	6.7	7.7	7.0	8.0	7.3	7.3	7.3	5.0	6.0	9.0	7.7	5.3	6.7	7.0
A99-2897	6.0	7.3	7.7	7.3	7.7	7.0	7.0	6.0	5.0	8.3	7.7	7.3	6.7	7.0
NURUSH (J-3510)	7.0	7.7	7.0	6.7	7.7	7.7	7.3	6.0	5.7	8.0	7.0	7.7	5.3	7.0
PPG-KB 1131	7.0	8.0	6.3	6.7	8.0	7.3	7.7	5.0	5.0	8.0	7.7	7.7	6.0	6.9
PST-K15-167	6.7	7.7	6.7	6.3	7.3	7.0	7.7	6.0	5.0	6.7	7.7	7.7	8.0	6.9
AMAZE (NAI-14-133)	7.3	8.0	6.7	8.0	7.3	8.0	7.3	5.0	6.0	8.0	7.3	5.0	6.0	6.9
BLUE DEVIL	6.7	8.0	7.0	6.7	7.7	6.7	7.3	5.0	5.0	9.0	7.3	8.0	5.7	6.9
COMANCHE (NAI-14-176)	7.0	6.7	7.0	8.0	7.0	8.0	7.3	6.0	6.0	9.0	8.0	3.0	7.0	6.9
HEARTLAND (NAI-14-187)	6.7	8.0	6.3	8.0	7.3	7.7	7.0	5.0	6.0	8.3	7.7	5.3	6.7	6.9
A12-34	6.3	7.0	7.3	7.3	6.3	7.0	7.0	5.0	5.3	9.0	7.7	6.7	7.3	6.9
DLFPS-340/3364	5.7	7.3	6.3	7.0	7.3	6.7	7.7	6.0	5.7	8.7	7.0	7.0	7.0	6.9
A16-7	6.3	7.0	6.7	7.0	7.7	7.0	7.0	5.0	5.3	8.3	7.7	7.3	6.3	6.8
A06-8	6.0	6.7	7.0	7.0	7.0	7.0	7.3	6.0	5.0	7.0	8.0	5.0	7.7	6.7
AVIATOR II (NAI-15-84)	6.0	8.0	6.7	7.0	6.7	6.3	6.7	5.0	5.3	8.7	7.7	6.3	6.3	6.7
PPG-KB 1320	7.3	8.7	7.0	6.0	8.0	6.0	7.7	6.0	5.7	8.5	7.3	3.3	5.0	6.7
DLFPS-340/3550	6.7	7.0	6.7	6.7	6.7	6.0	7.0	5.0	5.3	7.3	7.3	7.7	7.0	6.6
PIVOT	6.3	8.3	7.7	6.0	7.3	5.0	6.7	6.0	5.3	6.3	7.7	7.7	5.7	6.6
AKB3128	6.3	7.0	6.3	7.0	7.0	6.3	7.0	6.7	5.0	7.0	7.3	6.7	6.0	6.6
DLFPS-340/3556	6.7	7.0	8.0	6.3	7.7	4.0	7.0	5.0	5.0	7.3	7.3	7.3	6.7	6.6
J-2726	7.0	8.0	6.3	6.3	7.7	6.0	7.3	5.0	5.3	7.7	7.3	4.3	7.0	6.6
A15-6	5.7	6.0	7.0	6.7	7.3	5.3	7.0	5.0	5.7	8.0	7.7	7.0	6.7	6.5
DLFPS-340/3551	5.7	6.7	7.3	7.0	7.0	5.7	7.3	5.0	5.0	7.3	7.7	6.3	7.0	6.5
STARR (GO-2628)	6.0	6.7	8.0	7.0	6.3	5.0	6.7	6.0	4.3	7.0	7.3	8.0	6.3	6.5
A10-280	6.3	6.7	7.7	7.7	6.3	5.7	6.0	7.0	4.7	5.7	7.3	7.0	6.3	6.5
BOMBAY (GO-22B23)	7.0	6.7	6.3	7.0	6.7	5.3	6.7	6.0	4.3	7.0	7.7	7.7	5.7	6.5
PST-K15-157	5.7	6.7	7.0	8.3	6.7	6.7	5.7	6.0	5.0	7.0	7.3	6.3	5.7	6.5
AKB3241	5.7	7.3	7.0	7.0	6.3	5.7	6.0	6.0	4.7	7.3	7.3	6.7	6.7	6.4
SKYE	6.7	7.0	6.7	6.3	6.7	5.0	6.7	5.0	5.0	7.0	7.7	7.7	6.3	6.4
PST-11-7	7.0	7.0	6.3	6.0	7.7	4.7	6.7	6.0	5.0	7.3	7.7	6.0	6.3	6.4
A11-26	6.3	7.7	6.7	7.0	6.7	4.0	6.0	5.0	5.0	7.3	7.7	7.7	6.3	6.4
BLUE KNIGHT	6.7	8.0	6.7	6.3	7.3	4.7	7.0	5.0	5.3	7.3	7.7	6.0	5.3	6.4
DLFPS-340/3494	6.3	7.3	7.0	6.3	7.3	4.0	6.7	6.0	4.7	6.0	7.3	7.7	6.7	6.4
PST-T14-39	6.0	6.7	7.7	6.7	7.0	5.7	7.0	7.0	4.7	4.3	7.7	7.0	6.0	6.4
CLOUD (GO-2425)	7.3	6.7	6.3	7.0	6.7	4.0	6.7	6.0	4.3	6.7	7.3	7.7	6.3	6.4
PPG-KB 1304	6.0	6.0	6.7	7.0	6.3	5.7	7.0	6.0	5.0	4.7	7.7	7.7	7.3	6.4
BAR PP 79366	6.3	6.3	6.7	7.0	7.0	3.3	6.3	5.0	5.0	7.7	7.3	7.0	6.7	6.3
NAI-15-80	5.7	6.3	7.0	6.0	6.0	4.0	6.7	7.0	5.0	8.0	7.3	6.3	6.3	6.3
A13-1	5.7	7.3	6.3	7.0	7.0	4.0	5.3	6.0	5.0	6.7	7.3	7.3	6.3	6.3

TABLE 13.  
(CONT'D)

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 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	
DLFPS-340/3446	6.0	5.7	6.0	6.7	6.3	6.0	7.0	4.0	5.0	7.3	7.7	6.3	6.7	6.2
PST-K15-172	6.3	6.3	6.7	6.7	6.7	6.0	7.0	5.0	4.7	5.3	7.7	6.7	5.7	6.2
PST-K13-141	6.0	6.0	6.7	5.7	6.3	5.3	6.3	6.0	4.7	7.0	7.7	6.7	6.0	6.2
DLFPS-340/3552	5.3	7.0	6.0	6.7	6.3	4.7	5.7	5.0	5.0	7.0	7.3	7.0	7.0	6.2
DLFPS-340/3438	5.7	6.0	6.3	6.7	6.0	4.0	6.3	6.0	5.0	6.7	7.3	6.7	6.7	6.1
SHAMROCK	5.7	7.0	6.3	6.3	6.0	3.7	5.3	7.0	5.0	7.0	8.0	5.3	6.3	6.1
AKB3179	6.3	6.3	6.7	5.7	6.0	4.7	6.0	6.0	5.0	7.3	7.0	5.7	6.0	6.1
DLFPS-340/3548	6.0	5.7	7.0	6.7	6.7	5.0	7.0	6.0	4.7	4.7	7.0	5.0	7.0	6.0
NK-1	5.3	7.0	7.0	6.7	6.0	4.3	5.3	4.7	5.0	6.7	7.3	6.7	6.3	6.0
YELLOWSTONE (A12-7)	5.7	5.7	7.3	6.3	7.3	4.3	6.0	6.0	5.0	5.3	7.0	6.3	6.0	6.0
DLFPS-340/3553	5.7	5.7	6.3	6.3	6.0	5.0	5.7	6.0	4.3	5.7	7.7	7.7	6.0	6.0
FINISH LINE (NAI-14-178)	6.0	6.0	6.7	6.0	6.3	4.3	6.3	6.0	4.7	5.0	7.7	7.0	5.7	6.0
DLFPS-340/3500	6.3	6.0	6.0	6.7	6.7	2.7	6.0	5.0	4.7	7.0	7.3	7.3	6.0	6.0
A16-1	6.0	5.7	6.7	6.0	6.3	4.7	6.0	6.0	4.7	6.0	7.7	4.7	6.3	5.9
A16-2	6.0	6.0	6.0	6.3	6.3	4.3	5.0	6.0	4.0	6.3	7.7	6.0	6.3	5.9
KH3492	6.0	6.7	7.0	6.0	6.7	3.3	5.7	6.3	4.7	5.7	7.3	5.7	5.3	5.9
ORION (PST-K13-143)	6.0	6.7	7.0	6.3	6.0	5.3	6.0	5.0	4.7	5.0	7.7	5.3	5.3	5.9
SYRAH (LTP-11-41)	6.0	6.7	7.3	5.7	6.0	4.0	6.0	4.7	4.3	4.7	7.7	7.0	5.7	5.8
PALOMA (PST-K13-139)	6.3	7.3	7.0	6.0	6.0	4.3	6.0	5.0	5.0	6.3	7.3	2.3	6.0	5.8
PST-K11-118	6.0	6.0	6.3	6.0	6.0	3.7	5.0	6.0	4.3	4.7	7.0	7.7	6.3	5.8
JERSEY (NAI-A16-3)	6.0	6.3	6.7	5.7	6.0	4.0	6.3	6.0	4.0	4.3	7.3	5.0	6.0	5.7
DLFPS-340/3444	5.3	5.7	7.0	6.0	6.3	4.0	6.3	5.0	4.7	5.0	7.7	5.0	5.7	5.7
BABE	5.7	6.0	6.7	6.0	6.0	3.7	6.0	6.0	4.3	5.7	7.0	5.3	5.3	5.7
SELWAY	6.0	5.7	7.3	5.7	5.7	4.3	6.0	5.0	4.3	4.0	7.0	7.3	5.0	5.6
DLFPS-340/3549	5.7	5.3	6.7	5.7	6.0	4.0	5.7	6.0	4.0	6.3	7.3	3.0	6.0	5.5
BARSERATI (BAR PP 110358)	5.7	5.0	6.0	5.7	5.3	3.7	5.7	6.0	4.0	5.0	7.3	7.0	5.0	5.5
BAR PP 7K426	6.0	4.7	6.3	6.0	6.0	4.0	5.0	6.0	3.7	4.3	7.0	5.7	6.3	5.5
BAR PP 7309V	5.0	5.0	6.7	6.0	5.7	4.3	4.7	6.0	3.7	4.7	7.0	5.7	6.3	5.4
RAD 553	5.7	5.0	6.3	5.7	5.3	3.3	5.7	6.0	4.3	3.3	7.7	7.3	4.3	5.4
RAD-1776	5.7	5.3	6.0	6.3	6.0	3.7	5.3	6.0	4.7	4.7	7.0	3.3	4.7	5.3
BAR PP 7236V	5.7	4.7	7.0	5.0	6.0	2.7	5.3	6.0	4.0	2.7	7.0	6.7	6.0	5.3
A11-38	5.7	5.0	5.7	7.0	6.3	3.7	6.0	5.0	4.7	4.0	7.0	2.3	6.0	5.3
DLFPS-340/3455	5.3	5.0	7.0	7.0	6.0	3.7	4.7	6.0	3.7	3.0	7.3	5.0	4.7	5.3
A11-40	5.0	5.0	6.0	5.3	6.0	3.0	4.7	7.0	3.3	3.7	7.3	6.0	5.0	5.2
A16-17	5.7	5.0	7.3	5.0	5.0	2.0	5.0	5.0	4.0	3.0	7.0	7.0	6.0	5.2
BAR PP 71213	5.7	4.7	7.0	5.0	5.3	1.3	5.7	6.0	3.7	2.3	7.3	6.7	6.3	5.2
BARVETTE HGT®	6.0	5.7	7.3	5.7	5.0	2.3	4.7	6.0	3.3	2.3	6.7	7.0	4.7	5.1
KENBLUE	4.3	4.3	6.0	4.0	5.0	1.7	5.0	5.0	3.7	3.0	7.3	4.3	4.3	4.5
LSD VALUE	0.9	1.2	1.6	0.8	0.7	1.2	0.9	0.2	0.7	1.3	0.9	1.6	1.3	0.3
C.V. (%)	8.9	11.3	15.0	7.6	6.6	14.4	8.9	2.2	9.4	11.7	7.7	15.2	13.4	10.8

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

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

TABLE 14.

 SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
 2019 DATA

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

NAME	CT1	IN1	MI1	NC1	NE1	NJ1	NJ2	OK1	UT1	MEAN
PPG-KB 1304	7.7	6.0	7.7	6.0	4.7	7.3	8.3	8.0	6.3	6.9
FINISH LINE (NAI-14-178)	7.0	7.0	6.0	6.3	4.7	8.0	7.7	7.7	6.7	6.8
A11-40	7.3	5.7	6.7	5.3	4.7	8.3	7.3	8.7	5.7	6.6
KENBLUE	7.0	7.7	3.7	6.7	4.3	7.3	8.3	8.3	6.0	6.6
BARVETTE HGT®	7.7	7.7	3.3	5.7	5.0	8.3	8.0	6.7	6.3	6.5
KH3492	7.3	5.7	6.7	6.0	4.3	8.0	7.0	8.3	5.3	6.5
DLFPS-340/3553	7.3	6.3	6.0	5.3	4.7	8.0	7.7	7.3	5.7	6.5
BARSERATI (BAR PP 110358)	6.3	7.0	3.0	6.0	4.7	7.3	8.3	7.3	6.0	6.2
PST-K11-118	6.7	5.7	5.0	6.3	5.0	8.0	6.3	7.3	5.7	6.2
A16-2	7.3	5.7	6.7	5.7	4.7	6.0	7.0	8.7	4.3	6.2
DLFPS-340/3444	6.7	6.0	5.3	6.3	4.7	6.3	6.3	8.3	5.7	6.2
BAR PP 7236V	6.7	6.0	3.7	6.0	4.0	8.3	6.7	8.7	5.7	6.2
A16-1	7.3	5.7	6.0	6.0	5.0	5.7	6.0	8.0	5.3	6.1
BABE	6.7	5.3	6.7	5.0	5.0	6.7	6.3	8.0	5.0	6.1
DLFPS-340/3455	5.7	6.3	5.3	5.3	4.7	7.7	6.0	8.0	5.0	6.0
SHAMROCK	6.7	5.7	5.7	5.3	4.0	6.7	6.7	7.7	5.7	6.0
SKYE	6.3	6.0	5.3	5.3	4.7	6.3	6.0	7.7	5.7	5.9
A06-8	6.3	4.7	6.7	6.7	4.3	5.7	5.7	8.3	4.7	5.9
JERSEY (NAI-A16-3)	6.7	6.7	4.0	5.0	4.3	7.3	5.7	8.0	5.3	5.9
SYRAH (LTP-11-41)	6.0	5.7	4.7	5.7	4.7	6.3	6.0	8.0	5.7	5.9
AKB3128	7.0	5.7	3.0	6.0	4.3	7.0	5.7	8.3	5.7	5.9
DLFPS-340/3446	6.0	5.3	4.0	7.0	4.7	6.0	6.3	7.7	5.3	5.8
PST-K15-157	6.7	5.7	4.0	5.3	4.7	6.0	6.7	8.0	5.3	5.8
A11-38	6.3	6.3	5.0	5.3	4.0	7.3	5.3	8.0	4.7	5.8
RAD-1776	6.0	7.0	4.3	5.3	4.0	4.3	7.3	8.0	5.3	5.7
SELWAY	6.7	6.7	2.3	5.3	5.0	6.3	6.7	6.7	6.0	5.7
BAR PP 71213	6.0	5.0	3.7	5.3	4.7	7.7	5.7	7.3	6.0	5.7
A16-17	7.3	6.0	2.3	4.7	4.7	6.7	5.7	7.3	6.0	5.6
A15-6	5.7	5.0	4.0	5.7	4.7	6.3	5.3	9.0	4.7	5.6
DLFPS-340/3548	6.7	5.7	1.7	5.7	4.3	6.7	6.0	7.7	6.0	5.6
DLFPS-340/3438	5.0	6.0	4.3	5.3	4.3	5.7	5.3	8.7	5.3	5.6
PST-T14-39	5.0	6.0	3.3	5.0	5.0	6.7	6.3	7.7	5.0	5.6
BAR PP 7309V	6.7	5.7	4.0	5.3	3.7	5.3	5.3	8.0	5.3	5.5
ORION (PST-K13-143)	5.7	5.3	3.3	5.3	5.0	7.3	5.0	8.0	4.3	5.5
BOMBAY (GO-22B23)	5.3	5.0	5.0	5.3	5.0	6.3	5.3	7.0	5.0	5.5
PST-K13-141	6.3	5.7	3.7	5.0	4.0	6.0	6.0	7.7	5.0	5.5
PALOMA (PST-K13-139)	5.0	5.7	2.3	6.0	4.0	6.0	5.3	8.0	6.7	5.4
STARR (GO-2628)	6.0	5.7	4.7	4.3	4.7	6.3	4.3	7.3	5.7	5.4
BAR PP 7K426	6.3	5.0	3.0	5.7	4.0	5.0	6.0	8.3	5.3	5.4
DLFPS-340/3551	5.7	5.3	4.7	5.3	4.7	5.0	4.7	8.3	5.0	5.4
PIVOT	5.7	6.0	4.3	6.3	4.3	4.0	6.0	7.7	4.3	5.4
YELLOWSTONE (A12-7)	6.7	5.0	4.3	5.7	4.0	5.7	4.3	7.3	5.0	5.3
RAD 553	5.7	6.3	2.0	5.3	5.0	6.0	5.3	7.0	5.3	5.3
A10-280	6.0	5.3	3.0	6.0	4.0	2.3	8.0	8.0	5.0	5.3
CLOUD (GO-2425)	6.0	5.3	4.3	4.7	5.0	6.0	5.0	5.7	5.7	5.3
NEW MOON (PST-K15-177)	5.7	5.7	2.3	4.7	4.7	6.3	4.0	7.3	6.3	5.2
DLFPS-340/3550	5.7	5.7	3.3	4.7	4.7	6.0	4.0	8.0	4.7	5.2
A99-2897	5.3	5.3	5.0	4.0	4.3	4.7	5.7	6.7	5.3	5.1
DLFPS-340/3549	5.0	5.3	2.7	5.0	4.3	6.0	6.0	7.7	4.3	5.1
NAI-15-80	5.7	5.7	3.3	5.7	4.0	5.0	4.3	7.3	5.0	5.1

TABLE 14.  
(CONT'D)

SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

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

NAME	CT1	IN1	MI1	NC1	NE1	NJ1	NJ2	OK1	UT1	MEAN
A12-34	5.0	5.0	3.7	5.7	4.0	4.3	4.7	8.0	5.3	5.1
A13-1	6.0	5.3	3.7	5.0	4.3	5.3	4.7	6.3	4.3	5.0
PST-11-7	5.3	4.7	4.0	5.0	4.0	2.3	6.3	8.3	5.0	5.0
AVIATOR II (NAI-15-84)	5.7	5.3	2.3	5.0	4.3	4.3	5.7	6.7	5.3	5.0
A16-7	5.3	4.7	4.7	4.7	4.3	3.7	4.7	7.0	5.3	4.9
AKB3241	4.7	5.7	3.0	4.3	4.7	6.3	5.7	5.3	4.7	4.9
DLFPS-340/3364	5.7	6.0	3.7	5.3	4.0	3.0	5.0	7.7	4.0	4.9
NK-1	4.7	5.0	3.3	5.0	4.3	4.0	4.7	7.7	5.0	4.9
PROSPERITY	4.3	5.0	4.3	4.7	4.0	3.7	5.0	7.7	5.0	4.9
PPG-KB 1320	5.0	4.7	3.3	5.7	4.0	4.0	5.0	7.3	4.0	4.8
PST-K15-172	5.0	4.7	3.0	4.7	4.3	5.7	3.7	6.3	5.7	4.8
A11-26	5.3	4.0	2.7	4.7	4.3	5.7	4.3	7.3	4.3	4.7
DLFPS-340/3552	4.3	5.3	3.7	5.0	4.0	4.7	4.0	7.0	4.3	4.7
DLFPS-340/3556	5.7	5.0	5.0	4.3	4.0	3.0	3.3	7.3	4.7	4.7
AKB3179	4.3	5.7	2.0	5.0	4.7	4.0	3.7	7.0	5.3	4.6
J-1319	4.3	5.3	4.0	5.3	4.0	2.0	4.0	6.3	5.0	4.5
BAR PP 79366	5.0	4.3	3.0	4.7	3.7	4.0	3.0	7.3	4.7	4.4
AFTER MIDNIGHT	4.7	5.0	3.7	3.7	4.3	3.7	4.0	5.7	4.7	4.4
BLUE KNIGHT	4.7	5.7	3.0	4.7	4.0	2.0	3.0	7.0	4.7	4.3
DLFPS-340/3500	4.3	5.0	2.7	4.3	3.7	5.3	3.0	6.0	4.0	4.3
J-2726	5.0	5.0	4.0	4.0	4.0	1.0	3.7	5.3	5.7	4.2
NAI-14-122	4.3	4.3	2.0	5.0	4.3	1.0	3.3	7.7	5.3	4.1
COMANCHE (NAI-14-176)	5.0	4.0	2.3	4.7	4.0	1.3	3.7	7.3	4.3	4.1
NAI-14-132	5.0	4.0	1.7	4.3	4.3	1.0	3.3	7.7	5.0	4.0
BLUE DEVIL	4.7	4.3	3.3	4.0	4.0	2.0	3.0	6.3	4.3	4.0
NURUSH (J-3510)	3.3	4.3	3.0	4.0	4.3	3.0	2.7	7.0	4.3	4.0
PPG-KB 1131	4.7	4.0	3.0	3.3	4.0	3.7	2.7	5.7	4.7	4.0
MVS-130	5.3	4.0	1.7	4.3	4.0	1.0	3.0	7.7	4.3	3.9
AMAZE (NAI-14-133)	5.3	4.0	1.0	4.0	4.3	1.0	4.0	6.7	5.0	3.9
HEARTLAND (NAI-14-187)	4.0	4.0	1.7	5.0	4.3	1.0	3.0	8.3	3.7	3.9
NAI-14-128	4.0	4.0	2.3	4.0	4.7	1.3	3.0	7.3	4.3	3.9
BLUE GEM (NAI-13-9)	4.3	4.0	2.7	3.3	4.0	3.0	2.7	6.0	4.7	3.9
UNITED (NAI-13-14)	4.7	4.3	3.0	4.0	4.0	2.0	2.7	5.7	4.0	3.8
TWILIGHT (NAI-13-132)	4.3	4.3	3.7	3.7	4.0	2.3	2.0	6.0	4.0	3.8
BAR PP 79494	5.0	4.7	2.7	3.7	4.0	1.7	2.0	6.0	4.3	3.8
PST-K15-167	4.3	3.7	2.0	4.3	4.0	3.3	2.0	5.7	4.7	3.8
MIDNIGHT	4.0	4.0	2.7	4.0	3.7	2.7	2.3	6.3	4.0	3.7
J-1138	4.3	4.3	2.7	3.7	4.0	1.7	3.3	5.0	4.3	3.7
DLFPS-340/3494	4.7	4.0	1.7	4.3	4.7	1.0	2.3	6.7	3.0	3.6
LSD VALUE	1.5	0.9	1.3	1.1	0.7	1.8	1.4	1.7	1.2	0.4
C.V. (%)	16.3	10.2	21.9	13.8	10.4	23.3	16.9	14.3	15.0	16.1

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

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

TABLE 15.

LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/												
	AR1	CT1	IA1	IN1	MI1	MN1	NC1	NE1	NJ2	OK1	TN1	UT1	MEAN
BARVETTE HGT®	6.3	2.3	8.0	7.0	7.7	7.7	8.3	7.0	7.7	7.7	2.3	7.7	6.6
SELWAY	6.0	2.0	7.7	6.7	8.0	9.0	9.0	6.7	6.3	7.7	2.0	7.7	6.6
FINISH LINE (NAI-14-178)	6.7	2.3	7.3	7.0	6.7	8.0	7.7	7.0	7.7	7.3	2.3	7.3	6.4
PST-T14-39	6.0	2.7	7.7	6.3	5.7	6.7	7.0	7.0	6.7	7.0	7.7	6.3	6.4
AKB3179	6.0	3.3	8.0	7.0	6.7	6.7	7.7	7.0	6.7	7.0	4.3	6.0	6.4
A11-26	6.0	3.3	7.7	6.7	5.7	5.0	7.0	7.0	7.3	7.0	6.3	6.3	6.3
PALOMA (PST-K13-139)	6.0	4.0	7.7	6.3	6.0	7.3	7.7	7.0	4.7	7.0	4.7	7.0	6.3
PST-K15-157	4.7	3.0	7.3	6.7	6.0	6.0	7.0	7.0	7.0	7.0	6.3	7.0	6.3
BARSERATI (BAR PP 110358)	5.7	3.0	7.3	6.0	6.3	5.7	7.3	7.0	7.3	7.3	4.7	6.7	6.2
NEW MOON (PST-K15-177)	6.3	3.3	7.0	6.7	5.7	6.0	6.7	7.0	5.7	7.0	7.0	6.0	6.2
SYRAH (LTP-11-41)	6.0	2.0	7.3	6.7	6.0	6.3	7.7	7.0	7.3	7.0	3.7	7.0	6.2
STARR (GO-2628)	5.7	2.7	8.0	7.0	6.7	6.0	7.0	7.0	6.7	7.0	4.0	6.3	6.2
A16-17	5.7	2.3	7.7	6.0	6.0	6.7	7.0	7.0	6.7	7.0	5.0	6.7	6.1
AKB3241	6.0	3.3	6.7	6.3	5.7	6.0	8.0	7.0	7.0	7.0	4.3	6.3	6.1
NAI-15-80	5.3	2.7	7.7	6.3	6.3	7.0	7.7	7.0	6.3	7.0	3.7	6.3	6.1
RAD 553	6.7	2.3	7.3	6.3	6.3	8.3	8.0	6.7	4.7	7.0	2.0	7.7	6.1
BAR PP 7236V	6.0	3.0	7.3	6.0	6.0	5.7	7.0	7.0	6.3	7.0	4.7	6.7	6.1
KENBLUE	5.3	2.0	8.0	6.0	6.7	8.0	8.7	7.0	3.7	7.0	2.7	7.7	6.1
ORION (PST-K13-143)	6.0	2.7	8.0	6.0	6.0	7.3	8.0	7.0	4.7	7.0	3.3	6.7	6.1
DLFPS-340/3500	6.3	3.3	7.0	6.0	5.3	5.7	7.0	7.0	6.0	7.0	5.7	6.3	6.1
A11-40	5.0	3.0	7.7	6.0	6.7	6.3	8.0	7.0	5.7	7.0	3.3	6.7	6.0
DLFPS-340/3446	6.0	4.0	7.0	6.0	5.7	5.3	7.3	7.0	5.0	7.0	5.7	6.3	6.0
DLFPS-340/3552	5.3	3.3	7.7	7.0	5.7	5.7	7.3	7.0	6.3	7.0	3.0	6.7	6.0
BAR PP 71213	6.3	3.7	7.0	5.7	5.3	6.7	6.3	7.0	5.7	7.0	5.7	5.7	6.0
BAR PP 79494	7.0	4.0	8.0	5.3	5.7	5.0	6.3	7.0	5.3	7.0	5.3	5.7	6.0
BAR PP 7309V	5.7	3.7	7.7	6.0	5.7	5.3	7.7	7.0	5.0	7.0	4.7	6.3	6.0
DLFPS-340/3550	5.7	4.0	7.3	5.7	5.3	5.7	6.7	7.0	6.0	7.0	5.0	6.3	6.0
AKB3128	6.3	3.3	6.7	6.7	5.7	5.3	7.3	7.0	6.0	7.0	4.3	5.7	5.9
PST-K13-141	5.0	3.0	7.3	6.0	6.3	6.3	7.7	7.0	5.7	7.0	3.3	6.7	5.9
BABE	6.0	4.3	7.0	5.3	6.0	4.7	7.0	7.0	5.0	7.3	5.3	6.0	5.9
DLFPS-340/3455	5.3	3.0	7.0	5.7	5.7	6.0	7.3	7.0	5.0	7.0	5.7	6.3	5.9
DLFPS-340/3549	6.0	3.3	7.3	6.0	6.0	6.0	7.0	7.0	5.3	7.0	4.0	6.0	5.9
JERSEY (NAI-A16-3)	5.7	3.0	7.3	6.3	5.3	5.0	7.0	7.0	5.7	7.0	6.0	5.7	5.9
NAI-14-132	6.3	3.0	6.7	7.0	5.3	5.3	7.0	7.0	6.3	7.0	4.0	6.0	5.9
NURUSH (J-3510)	7.0	3.7	7.3	6.0	5.3	5.7	7.0	7.0	5.3	6.7	4.3	5.7	5.9
PST-K15-172	6.3	3.7	7.3	5.7	5.0	4.0	7.0	7.0	5.3	7.0	6.3	6.3	5.9
PST-K11-118	6.0	3.0	7.7	6.0	5.3	5.7	6.5	7.0	5.7	7.7	4.7	5.7	5.9
BOMBAY (GO-22B23)	6.3	2.7	6.7	6.7	6.3	6.3	7.0	7.0	6.0	7.0	2.7	6.0	5.9
NAI-14-122	6.3	2.7	7.0	6.3	5.3	5.0	7.0	7.0	6.0	6.7	5.7	5.7	5.9
PROSPERITY	6.3	3.7	7.0	5.7	6.0	5.7	7.0	7.0	5.3	7.0	4.0	6.0	5.9
YELLOWSTONE (A12-7)	5.7	3.3	7.3	6.3	5.3	4.7	7.3	7.0	4.7	7.0	5.7	6.3	5.9
BAR PP 79366	6.0	3.3	7.3	6.0	5.3	5.3	6.7	7.0	6.3	7.0	4.0	6.0	5.9
A16-2	6.0	2.7	8.0	6.0	6.0	4.3	7.3	7.0	4.7	7.0	5.3	6.0	5.9
MVS-130	6.7	3.0	7.3	6.7	5.7	5.0	6.7	7.0	6.3	7.0	3.7	5.3	5.9
J-2726	6.3	4.3	7.0	5.5	5.3	4.7	6.3	7.0	5.0	7.0	6.0	5.7	5.8
BLUE KNIGHT	6.3	3.7	6.7	5.7	5.7	6.3	7.3	7.0	3.0	7.0	4.7	6.7	5.8
PIVOT	5.7	3.3	7.3	5.3	5.0	5.7	7.0	7.0	5.0	6.7	6.3	5.7	5.8
SKYE	6.0	3.3	7.3	6.0	6.0	5.3	7.7	7.0	5.0	7.0	3.3	6.0	5.8
DLFPS-340/3494	5.3	4.3	7.0	6.0	6.0	5.3	6.7	6.7	3.3	7.0	6.3	5.7	5.8
J-1138	6.7	3.3	7.3	6.0	5.7	4.7	7.0	7.0	5.7	7.0	3.7	5.7	5.8

TABLE 15.  
(CONT'D)

LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/												
	AR1	CT1	IA1	IN1	MI1	MN1	NC1	NE1	NJ2	OK1	TN1	UT1	MEAN
NAI-14-128	6.7	3.7	7.7	6.3	5.7	4.7	6.7	7.0	5.3	7.0	3.7	5.3	5.8
NK-1	6.0	4.0	6.7	6.3	5.3	4.3	7.0	7.0	5.0	7.0	5.0	6.0	5.8
AFTER MIDNIGHT	6.7	4.3	6.7	5.7	5.0	3.3	6.0	7.0	5.3	7.0	7.3	5.0	5.8
BAR PP 7K426	5.7	3.3	7.0	5.3	5.3	5.0	7.3	7.0	5.3	7.3	3.7	7.0	5.8
CLOUD (GO-2425)	6.7	2.7	7.0	6.7	6.0	5.7	7.3	7.0	5.3	7.0	1.7	6.3	5.8
PPG-KB 1320	6.3	4.0	7.3	5.0	6.0	6.3	7.0	7.0	3.0	7.0	4.3	6.0	5.8
AMAZE (NAI-14-133)	6.3	3.7	7.3	6.7	5.7	4.3	7.0	7.0	5.7	7.0	3.3	5.3	5.8
DLFPS-340/3438	5.3	3.7	7.0	6.0	5.7	3.7	7.0	7.0	5.7	7.0	5.7	5.7	5.8
HEARTLAND (NAI-14-187)	5.7	4.0	7.0	6.0	5.0	5.3	7.0	7.0	5.0	7.0	5.0	5.3	5.8
A11-38	6.0	2.3	7.0	6.0	5.3	6.7	7.7	7.0	4.3	7.0	3.7	6.0	5.8
MIDNIGHT	7.0	3.0	7.3	5.7	5.3	5.0	7.0	7.0	5.0	7.0	4.0	5.7	5.8
RAD-1776	5.7	2.7	6.3	6.3	5.7	5.3	8.0	7.0	4.7	7.0	3.3	7.0	5.8
BLUE GEM (NAI-13-9)	6.0	4.0	7.0	5.7	5.0	5.0	7.0	7.0	6.0	7.0	3.3	5.7	5.7
J-1319	5.7	5.7	7.3	5.0	5.3	4.3	6.3	7.0	3.7	6.3	7.0	5.0	5.7
TWILIGHT (NAI-13-132)	6.7	3.3	7.0	5.7	5.3	5.0	7.0	7.0	5.3	7.0	3.3	6.0	5.7
DLFPS-340/3553	6.0	3.0	7.0	5.7	5.3	4.3	7.0	7.0	6.0	7.0	4.7	5.7	5.7
PPG-KB 1304	6.0	3.0	7.0	5.7	5.7	5.7	6.7	7.0	5.7	7.0	3.7	5.7	5.7
COMANCHE (NAI-14-176)	6.0	3.7	7.3	6.3	5.3	4.3	7.0	7.0	5.0	7.0	4.3	5.0	5.7
A06-8	6.0	4.0	6.7	6.0	5.0	3.7	6.7	7.0	5.0	7.0	5.7	5.7	5.7
A12-34	6.0	3.3	6.7	6.0	5.3	4.3	6.7	7.0	5.3	7.0	5.3	5.3	5.7
A99-2897	6.0	4.3	7.0	6.0	5.3	4.0	6.7	7.0	5.7	7.0	3.7	5.7	5.7
A13-1	5.0	4.3	6.7	6.0	5.3	5.3	6.3	7.0	4.0	7.0	5.3	5.7	5.7
DLFPS-340/3548	6.0	3.3	7.0	5.7	5.3	4.7	7.0	7.0	4.0	7.0	5.3	5.7	5.7
KH3492	5.7	2.7	7.7	5.3	6.3	4.7	7.0	7.0	4.3	7.0	3.7	6.7	5.7
PPG-KB 1131	7.0	3.3	7.0	6.0	5.0	4.7	7.0	7.0	5.3	7.0	2.7	6.0	5.7
PST-K15-167	6.7	4.7	7.3	5.3	5.0	3.3	6.0	6.7	5.0	7.0	5.7	5.3	5.7
DLFPS-340/3556	6.0	4.3	7.0	5.0	5.0	3.7	6.0	7.0	5.0	7.0	6.3	5.3	5.6
PST-11-7	6.0	4.3	7.0	6.0	5.3	2.7	6.7	7.0	4.7	7.0	6.0	5.0	5.6
UNITED (NAI-13-14)	6.0	3.7	7.3	5.3	5.7	5.0	6.7	7.0	4.7	7.0	3.3	6.0	5.6
DLFPS-340/3551	5.3	4.0	7.0	6.0	5.0	4.3	5.7	7.0	5.3	7.0	4.7	6.0	5.6
A10-280	5.3	4.3	7.0	5.3	5.0	4.7	7.0	7.0	4.7	7.0	4.3	5.3	5.6
A15-6	5.3	3.7	7.0	6.0	5.0	4.0	6.0	7.0	5.0	7.0	6.3	4.7	5.6
SHAMROCK	5.7	3.0	7.3	5.0	5.3	5.0	7.0	7.0	3.0	7.0	5.3	6.0	5.6
BLUE DEVIL	6.0	3.3	7.3	5.3	5.0	4.7	7.0	7.0	5.0	7.0	3.0	5.7	5.5
AVIATOR II (NAI-15-84)	5.7	3.7	6.7	4.7	5.7	5.3	6.3	7.0	2.3	7.0	5.7	6.3	5.5
DLFPS-340/3364	5.3	4.7	7.3	5.7	5.0	2.3	6.3	7.0	4.3	7.0	5.0	5.0	5.4
DLFPS-340/3444	6.0	3.3	7.3	4.3	5.0	2.7	6.3	7.0	3.7	6.7	6.3	6.3	5.4
A16-7	6.3	3.7	7.0	5.0	5.0	4.0	6.0	6.7	4.0	7.0	4.3	5.7	5.4
A16-1	6.3	3.3	7.3	4.3	5.0	3.3	6.7	7.0	3.0	7.0	4.3	6.0	5.3
LSD VALUE	0.9	1.0	1.0	0.9	0.8	1.4	0.9	0.2	1.2	0.4	2.2	1.0	0.3
C.V. (%)	9.8	19.2	8.9	9.2	9.2	16.3	7.6	2.0	14.6	3.4	30.5	9.9	11.8

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 16.

SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

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

NAME	IN1	ND1	OK1	TN1	MEAN
BARVETTE HGT®	5.3	7.0	7.0	7.0	6.6
CLOUD (GO-2425)	6.3	6.0	6.7	7.3	6.6
BAR PP 7236V	6.0	6.0	6.7	6.3	6.3
DLFPS-340/3550	6.3	5.0	6.0	7.7	6.3
BAR PP 7K426	5.7	6.0	7.0	6.0	6.2
STARR (GO-2628)	5.7	6.0	6.3	6.7	6.2
KH3492	6.0	6.0	6.3	6.3	6.2
PST-11-7	6.0	6.0	6.7	5.7	6.1
SKYE	6.0	5.0	6.7	6.7	6.1
A11-40	6.0	6.0	6.0	6.3	6.1
AKB3179	6.3	6.0	5.7	6.3	6.1
NAI-14-128	6.7	5.0	5.3	7.3	6.1
RAD 553	4.7	6.0	6.7	6.7	6.0
J-1138	5.7	6.0	5.3	7.0	6.0
JERSEY (NAI-A16-3)	5.7	6.0	6.3	6.0	6.0
PPG-KB 1131	5.3	6.0	5.7	7.0	6.0
PPG-KB 1304	5.3	6.0	6.3	6.3	6.0
A11-38	7.3	6.0	4.7	5.7	5.9
A16-2	5.7	6.0	6.3	5.7	5.9
BAR PP 79494	5.7	6.0	5.7	6.3	5.9
DLFPS-340/3494	5.3	6.0	5.7	6.7	5.9
DLFPS-340/3549	5.7	6.0	5.7	6.3	5.9
PROSPERITY	5.7	5.0	6.0	7.0	5.9
PST-T14-39	5.0	7.0	5.0	6.7	5.9
YELLOWSTONE (A12-7)	5.7	6.0	5.7	6.3	5.9
BAR PP 71213	6.3	6.0	6.0	5.3	5.9
BOMBAY (GO-22B23)	5.0	6.0	6.3	6.3	5.9
AKB3128	5.7	6.0	5.0	6.7	5.8
PST-K15-167	5.7	6.0	5.7	6.0	5.8
RAD-1776	5.7	6.0	6.7	5.0	5.8
MVS-130	6.0	6.0	4.3	7.0	5.8
NURUSH (J-3510)	5.3	6.0	5.3	6.7	5.8
A11-26	5.7	5.0	5.7	6.7	5.8
BARSERATI (BAR PP 110358)	5.7	6.0	5.7	5.7	5.8
J-2726	6.7	5.0	4.7	6.7	5.8
BAR PP 7309V	5.3	6.0	6.7	5.0	5.8
DLFPS-340/3553	5.0	6.0	5.3	6.7	5.8
MIDNIGHT	4.7	6.0	5.3	7.0	5.8
NAI-14-122	5.3	5.7	4.7	7.3	5.8
A16-1	5.3	6.0	6.3	5.3	5.8
DLFPS-340/3552	5.3	5.0	6.3	6.3	5.8
A15-6	4.7	5.0	6.3	6.7	5.7
AFTER MIDNIGHT	5.7	6.0	5.7	5.3	5.7
AMAZE (NAI-14-133)	5.7	6.0	4.0	7.0	5.7
DLFPS-340/3455	5.3	6.0	5.7	5.7	5.7
PPG-KB 1320	5.0	6.0	4.7	7.0	5.7
PST-K15-157	5.7	6.0	5.0	6.0	5.7
TWILIGHT (NAI-13-132)	4.7	6.0	5.3	6.7	5.7
PST-K11-118	6.0	6.0	5.3	5.3	5.7
UNITED (NAI-13-14)	5.3	5.0	5.3	7.0	5.7



TABLE 16.  
(CONT'D)

SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				MEAN
	IN1	ND1	OK1	TN1	
BLUE GEM (NAI-13-9)	4.7	6.0	4.7	7.0	5.6
SELWAY	5.0	5.0	5.7	6.7	5.6
A10-280	4.0	6.0	6.3	6.0	5.6
A16-7	5.3	5.0	5.7	6.3	5.6
BABE	5.3	6.0	6.0	5.0	5.6
NAI-14-132	6.0	5.0	4.0	7.3	5.6
NK-1	6.0	5.0	5.3	6.0	5.6
PALOMA (PST-K13-139)	5.0	6.0	5.3	6.0	5.6
SYRAH (LTP-11-41)	5.3	5.0	5.7	6.3	5.6
DLFPS-340/3551	4.7	5.0	6.7	5.7	5.5
PST-K15-172	6.7	5.0	4.7	5.7	5.5
A13-1	5.7	5.0	5.3	6.0	5.5
A16-17	5.3	5.0	6.0	5.7	5.5
A99-2897	4.3	5.0	6.0	6.7	5.5
AKB3241	5.0	6.0	5.3	5.7	5.5
BAR PP 79366	4.3	5.0	6.0	6.7	5.5
DLFPS-340/3438	5.3	6.0	5.0	5.7	5.5
DLFPS-340/3500	5.3	5.0	5.7	6.0	5.5
DLFPS-340/3548	5.0	6.0	5.7	5.3	5.5
PIVOT	5.3	6.0	5.0	5.7	5.5
SHAMROCK	5.3	6.0	5.7	5.0	5.5
A06-8	4.7	6.0	5.3	5.7	5.4
A12-34	5.0	6.0	4.7	6.0	5.4
BLUE DEVIL	4.7	5.0	5.3	6.7	5.4
BLUE KNIGHT	5.7	5.0	4.3	6.7	5.4
KENBLUE	4.0	5.0	6.3	6.3	5.4
ORION (PST-K13-143)	5.3	5.0	5.0	6.3	5.4
PST-K13-141	5.0	6.0	5.3	5.3	5.4
FINISH LINE (NAI-14-178)	4.5	6.0	4.7	6.3	5.4
NAI-15-80	5.0	6.0	4.7	5.7	5.3
COMANCHE (NAI-14-176)	5.0	6.0	3.7	6.7	5.3
DLFPS-340/3364	4.3	6.0	5.0	6.0	5.3
DLFPS-340/3444	5.0	5.0	6.3	4.3	5.2
DLFPS-340/3446	5.0	5.0	4.7	5.7	5.1
NEW MOON (PST-K15-177)	4.0	5.0	4.7	6.7	5.1
J-1319	3.7	5.0	5.7	6.0	5.1
AVIATOR II (NAI-15-84)	4.3	5.0	4.7	6.0	5.0
DLFPS-340/3556	3.7	5.0	5.7	5.7	5.0
HEARTLAND (NAI-14-187)	4.7	5.0	4.3	5.7	4.9
LSD VALUE	1.4	0.1	1.7	1.3	0.6
C.V. (%)	16.2	1.1	18.5	13.5	13.9

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

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

TABLE 17. SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

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

NAME	CT1	IA1	IN1	NC1	ND1	OK1	TN1	MEAN
BARVETTE HGT®	9.0	7.7	6.7	7.7	7.0	6.3	8.0	7.5
BARSERATI (BAR PP 110358)	7.3	5.3	6.7	7.7	7.0	7.3	8.0	7.0
SELWAY	7.3	6.0	7.0	7.3	6.3	6.3	8.3	7.0
SKYE	7.7	6.0	6.7	8.0	6.0	6.3	8.0	7.0
AFTER MIDNIGHT	8.0	5.0	4.7	8.3	7.0	7.3	8.0	6.9
PST-K15-172	6.7	7.7	5.7	8.0	6.0	6.7	7.3	6.9
STARR (GO-2628)	8.0	6.3	6.3	8.0	6.0	4.7	8.0	6.8
A16-17	7.0	7.0	6.3	7.7	6.0	7.3	5.7	6.7
BAR PP 79494	7.0	7.3	4.7	7.7	7.0	5.7	7.7	6.7
DLFPS-340/3550	6.7	6.7	6.7	7.3	6.0	6.3	7.3	6.7
FINISH LINE (NAI-14-178)	8.3	6.7	5.0	6.7	7.0	5.7	7.7	6.7
J-1138	7.3	6.7	5.0	8.0	7.0	5.3	7.7	6.7
CLOUD (GO-2425)	8.0	5.7	6.7	7.3	6.0	5.0	8.0	6.7
BAR PP 71213	8.0	6.0	5.7	7.3	7.0	6.0	6.7	6.7
DLFPS-340/3553	7.3	6.0	6.3	7.0	6.0	6.7	7.3	6.7
PST-11-7	8.3	5.7	5.7	7.3	7.0	6.0	6.7	6.7
PST-T14-39	7.7	5.3	5.3	8.3	6.0	6.3	7.7	6.7
AKB3179	5.7	7.3	7.7	7.7	7.0	5.0	6.0	6.6
UNITED (NAI-13-14)	7.7	7.7	5.3	7.7	6.0	4.0	8.0	6.6
KH3492	8.0	7.0	5.3	7.3	6.0	6.3	6.0	6.6
PST-K15-157	6.7	7.7	5.0	7.3	7.0	5.3	6.7	6.5
BLUE GEM (NAI-13-9)	7.7	6.0	4.3	7.0	7.0	5.7	8.0	6.5
YELLOWSTONE (A12-7)	7.0	6.0	6.0	7.3	7.0	6.0	6.3	6.5
DLFPS-340/3552	8.0	6.7	5.7	7.3	6.0	5.3	6.3	6.5
A16-2	8.0	6.3	5.3	7.7	6.0	5.0	7.0	6.5
BAR PP 7236V	7.7	6.3	4.7	7.3	7.0	4.7	7.7	6.5
NURUSH (J-3510)	7.7	6.7	5.7	7.3	6.0	4.3	7.7	6.5
PPG-KB 1304	7.0	6.3	4.3	7.3	6.0	6.7	7.7	6.5
PST-K15-167	6.0	7.3	5.0	7.3	7.0	5.7	7.0	6.5
PST-K11-118	7.3	5.3	6.0	7.5	6.0	6.0	7.0	6.5
BLUE DEVIL	7.7	6.0	5.0	7.7	5.7	5.3	7.7	6.4
PPG-KB 1131	8.0	5.0	4.7	7.7	6.0	5.7	8.0	6.4
SYRAH (LTP-11-41)	7.0	7.0	4.3	7.0	6.0	5.7	8.0	6.4
A11-40	7.3	5.0	6.0	7.3	7.0	7.7	4.7	6.4
MIDNIGHT	7.3	6.3	5.0	7.7	6.0	5.0	7.7	6.4
PST-K13-141	5.3	6.7	5.7	7.0	6.0	7.3	6.7	6.4
TWILIGHT (NAI-13-132)	7.7	7.3	4.0	6.7	7.0	4.3	7.3	6.3
BOMBAY (GO-22B23)	7.3	5.0	6.0	7.7	6.0	4.3	8.0	6.3
NEW MOON (PST-K15-177)	7.0	7.0	4.7	6.7	6.0	6.0	7.0	6.3
RAD 553	6.3	5.0	5.7	7.3	7.0	5.3	7.7	6.3
DLFPS-340/3551	7.7	5.3	5.7	7.0	6.0	6.0	6.3	6.3
NAI-15-80	8.3	6.0	5.0	7.0	7.0	4.3	6.3	6.3
A11-26	7.0	5.7	5.7	7.7	6.0	4.7	7.3	6.3
PIVOT	6.3	5.7	5.0	7.3	6.0	6.7	7.0	6.3
A10-280	7.0	5.7	5.0	7.0	6.0	6.7	6.3	6.2
AKB3128	6.0	6.0	5.3	7.3	7.0	5.7	6.3	6.2
NAI-14-128	5.7	7.0	6.0	7.3	6.0	4.7	7.0	6.2
PROSPERITY	7.0	7.3	5.0	7.7	6.0	5.3	5.0	6.2
A15-6	5.7	6.0	4.7	7.3	6.0	6.3	7.0	6.1
DLFPS-340/3494	6.3	5.0	5.0	7.3	6.0	5.7	7.7	6.1
A99-2897	7.0	6.7	3.7	6.7	6.0	6.0	6.7	6.1

TABLE 17. SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
(CONT'D) 2019 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							MEAN
	CT1	IA1	IN1	NC1	ND1	OK1	TN1	
AKB3241	6.7	5.3	5.0	6.7	7.0	5.3	6.7	6.1
BAR PP 79366	6.7	4.7	4.3	7.7	6.0	6.7	6.7	6.1
J-2726	7.3	5.0	6.0	7.7	6.0	4.7	6.0	6.1
ORION (PST-K13-143)	7.0	6.3	6.3	7.0	6.0	4.7	5.3	6.1
BABE	6.7	6.3	5.0	6.7	7.0	5.0	5.7	6.0
BAR PP 7K426	6.3	6.3	5.0	7.0	7.0	5.0	5.7	6.0
A12-34	5.7	6.3	4.3	6.7	6.0	6.3	6.7	6.0
DLFPS-340/3556	6.3	6.7	4.3	7.0	6.0	5.7	6.0	6.0
NK-1	5.3	6.0	5.0	6.3	6.0	6.7	6.7	6.0
A16-7	6.3	6.0	4.3	6.7	6.0	5.3	7.0	6.0
BAR PP 7309V	7.7	5.7	4.3	7.3	7.0	4.0	5.7	6.0
MVS-130	5.0	6.3	6.0	7.3	6.0	4.3	6.7	6.0
RAD-1776	7.0	5.3	7.0	7.0	7.0	5.3	3.0	6.0
DLFPS-340/3500	7.3	4.7	4.7	6.7	6.0	5.7	6.3	5.9
JERSEY (NAI-A16-3)	7.7	5.7	5.0	6.7	6.0	5.0	5.3	5.9
DLFPS-340/3549	6.7	6.3	5.7	7.0	6.0	6.0	3.3	5.9
DLFPS-340/3446	6.7	4.3	4.7	7.3	6.0	5.3	6.7	5.9
NAI-14-122	6.0	6.0	5.7	7.0	6.0	2.7	7.3	5.8
DLFPS-340/3364	6.0	5.3	3.0	7.7	6.0	6.0	6.7	5.8
DLFPS-340/3548	6.3	6.0	5.0	7.0	6.0	4.7	5.7	5.8
HEARTLAND (NAI-14-187)	5.7	5.3	4.7	7.3	6.0	5.0	6.7	5.8
NAI-14-132	6.0	6.0	5.3	7.0	6.0	3.3	7.0	5.8
PALOMA (PST-K13-139)	6.3	6.0	6.3	7.3	6.0	6.0	2.7	5.8
DLFPS-340/3444	6.3	7.0	4.7	7.3	5.0	4.7	5.3	5.8
A13-1	5.7	4.7	4.7	6.3	6.0	5.7	7.0	5.7
BLUE KNIGHT	7.7	5.0	4.0	6.7	6.0	4.0	6.3	5.7
DLFPS-340/3438	6.3	4.0	4.7	6.7	6.0	5.7	6.3	5.7
AVIATOR II (NAI-15-84)	6.3	4.7	4.0	7.3	6.0	4.3	7.0	5.7
J-1319	7.7	6.3	2.7	6.7	6.0	3.7	6.7	5.7
DLFPS-340/3455	6.0	6.0	5.3	6.7	7.0	4.0	4.3	5.6
SHAMROCK	6.7	6.0	4.0	7.3	6.0	3.7	5.7	5.6
AMAZE (NAI-14-133)	5.0	5.7	5.7	7.3	6.0	3.0	6.3	5.6
A06-8	6.3	5.3	4.0	7.3	7.0	3.3	5.7	5.6
A11-38	5.7	5.0	6.3	7.0	6.0	6.3	2.3	5.5
KENBLUE	5.7	5.3	6.3	7.0	6.0	4.7	3.3	5.5
PPG-KB 1320	7.3	6.0	4.3	7.3	6.0	3.7	3.7	5.5
A16-1	5.7	5.3	3.7	7.0	7.0	3.0	5.7	5.3
COMANCHE (NAI-14-176)	5.3	6.0	5.0	7.0	6.0	3.0	4.3	5.2
LSD VALUE	1.3	2.6	1.7	1.1	0.1	2.2	1.6	0.6
C.V. (%)	12.2	26.6	19.8	9.4	1.4	25.8	14.8	16.8

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 18.

FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

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

NAME	MI1	MN1	NC1	ND1	NE1	NJ2	OK1	TN1	UT1	MEAN
BARVETTE HGT®	7.7	7.7	8.0	7.0	6.0	8.0	7.0	4.3	6.7	6.9
BOMBAY (GO-22B23)	7.7	7.3	6.0	6.0	6.7	7.3	7.0	4.0	8.0	6.7
PPG-KB 1304	7.0	5.3	7.3	7.0	6.7	7.3	7.3	4.7	6.0	6.5
PST-K11-118	7.3	7.0	7.5	8.0	6.3	6.3	7.7	4.3	4.0	6.5
STARR (GO-2628)	7.0	7.0	6.7	6.0	6.7	6.7	7.0	5.0	6.3	6.5
NURUSH (J-3510)	7.7	4.3	7.7	7.0	8.0	7.3	7.0	5.3	3.7	6.4
BARSERATI (BAR PP 110358)	7.3	6.7	8.0	7.0	6.3	6.7	7.3	4.7	4.0	6.4
PPG-KB 1131	7.3	5.0	6.0	7.0	7.3	8.3	7.0	5.3	4.7	6.4
A16-17	6.7	6.3	5.3	6.0	7.7	8.3	7.0	3.0	6.7	6.3
SELWAY	6.7	5.7	6.7	7.0	7.0	5.3	7.7	5.3	5.3	6.3
SKYE	7.3	6.3	6.3	6.0	6.7	6.0	7.0	4.7	6.3	6.3
A11-26	6.3	6.0	5.7	7.0	6.0	8.3	7.0	5.3	4.7	6.3
BAR PP 7236V	7.0	4.7	6.3	7.0	6.7	7.3	7.0	4.3	6.0	6.3
CLOUD (GO-2425)	7.3	6.7	6.3	6.0	6.0	6.0	7.3	5.0	5.7	6.3
DLFPS-340/3550	7.3	7.0	4.0	6.0	8.0	6.3	7.3	5.0	5.0	6.2
J-1138	7.0	5.3	6.7	6.0	8.0	8.0	7.0	5.0	2.7	6.2
A10-280	7.0	5.7	5.0	8.0	5.7	8.0	7.3	4.7	4.0	6.1
BLUE GEM (NAI-13-9)	7.0	5.0	5.7	7.0	7.3	7.0	7.3	5.0	4.0	6.1
MIDNIGHT	7.7	5.0	6.0	7.0	6.7	7.3	7.3	5.0	3.0	6.1
AKB3241	6.7	6.3	4.7	7.0	6.3	5.7	7.0	5.3	6.0	6.1
A13-1	7.7	5.7	4.0	7.0	6.7	8.0	7.0	4.3	4.0	6.0
BAR PP 79366	8.0	6.0	5.7	6.0	6.0	8.0	7.7	5.0	2.0	6.0
PST-T14-39	7.0	5.3	5.3	7.0	6.3	7.0	7.0	5.0	4.3	6.0
RAD 553	6.3	6.0	4.0	7.0	6.7	4.7	7.3	5.0	7.3	6.0
PST-K13-141	6.7	4.7	5.7	8.0	6.3	7.3	7.0	4.7	4.0	6.0
AKB3128	6.7	6.0	5.3	7.0	7.0	6.3	7.0	4.3	4.3	6.0
BAR PP 71213	6.7	5.7	5.3	7.0	6.7	8.0	7.0	4.0	3.7	6.0
A11-40	7.3	7.7	4.3	7.0	7.0	4.0	7.0	3.7	6.0	6.0
BAR PP 79494	6.7	5.0	7.0	7.0	7.3	6.0	6.7	5.7	2.7	6.0
DLFPS-340/3552	7.0	5.3	5.0	6.0	6.3	8.0	7.3	3.3	5.3	6.0
DLFPS-340/3553	6.7	4.3	5.7	6.0	6.3	6.7	8.0	4.7	5.3	6.0
UNITED (NAI-13-14)	7.3	4.3	5.7	7.0	7.7	6.3	7.3	4.3	3.3	5.9
SYRAH (LTP-11-41)	7.0	5.3	4.0	7.0	7.0	6.0	7.0	4.3	5.7	5.9
TWILIGHT (NAI-13-132)	7.0	4.7	6.7	7.0	6.7	5.7	7.0	5.0	3.7	5.9
BLUE DEVIL	8.0	4.3	5.0	6.0	7.3	6.3	7.3	5.0	3.7	5.9
FINISH LINE (NAI-14-178)	5.7	6.7	6.0	7.0	7.0	6.3	7.0	3.3	4.0	5.9
NAI-14-122	7.7	6.7	6.7	7.0	6.7	4.3	7.0	4.0	3.0	5.9
DLFPS-340/3551	7.0	5.0	5.3	6.0	7.3	6.3	7.7	3.3	4.7	5.9
NAI-14-132	8.0	6.3	5.7	6.3	6.7	5.3	7.0	4.0	3.0	5.8
AKB3179	7.0	6.3	5.7	7.0	6.7	4.7	7.0	4.7	3.3	5.8
DLFPS-340/3438	7.3	4.7	5.0	8.0	5.7	5.7	7.3	4.3	4.0	5.8
A99-2897	7.0	4.7	5.0	7.0	7.3	6.7	7.0	4.0	3.3	5.8
NAI-14-128	8.0	5.3	5.3	7.0	6.7	4.3	7.0	4.3	4.0	5.8
HEARTLAND (NAI-14-187)	7.0	6.3	6.7	6.0	6.7	4.7	7.0	3.7	4.0	5.8
NEW MOON (PST-K15-177)	6.0	6.7	4.0	6.0	7.0	5.0	7.0	4.3	5.7	5.7
PST-K15-172	7.3	6.3	4.3	6.0	5.3	7.3	7.0	4.7	3.3	5.7
AMAZE (NAI-14-133)	7.7	5.7	6.7	6.0	6.0	5.3	7.0	4.0	3.0	5.7
BAR PP 7309V	6.7	5.3	3.7	7.0	6.7	4.7	7.0	4.7	5.7	5.7
BAR PP 7K426	7.3	6.0	3.7	7.0	7.3	5.0	7.0	3.3	4.7	5.7
YELLOWSTONE (A12-7)	7.3	6.3	5.0	7.0	6.7	4.3	7.0	4.0	3.7	5.7
DLFPS-340/3556	7.7	5.3	4.7	6.0	6.0	5.7	7.3	4.0	4.3	5.7

TABLE 18.  
(CONT'D)

FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									MEAN
	MI1	MN1	NC1	ND1	NE1	NJ2	OK1	TN1	UT1	
MVS-130	7.3	6.0	6.7	6.0	6.0	4.3	7.3	4.3	3.0	5.7
A06-8	7.3	4.0	5.7	7.0	7.0	4.3	6.7	4.0	5.0	5.7
DLFPS-340/3500	6.7	5.3	4.3	6.0	5.7	8.0	7.0	4.3	3.7	5.7
A12-34	7.3	5.7	4.0	6.0	5.7	6.0	6.7	4.3	5.0	5.6
AFTER MIDNIGHT	7.3	4.3	6.7	6.0	7.0	5.7	7.3	4.7	1.7	5.6
KH3492	6.7	5.3	6.0	6.0	7.0	3.7	7.7	4.0	4.3	5.6
PIVOT	5.7	6.0	5.7	6.0	6.0	4.7	7.3	4.7	4.7	5.6
PST-K15-157	6.7	5.7	5.0	8.0	7.3	4.0	7.0	4.0	3.0	5.6
PALOMA (PST-K13-139)	7.0	7.0	5.3	6.0	7.0	1.7	7.0	3.7	6.0	5.6
ORION (PST-K13-143)	7.0	6.0	4.7	7.0	6.0	2.7	7.0	4.7	5.3	5.6
COMANCHE (NAI-14-176)	7.7	6.0	5.7	7.0	6.3	4.0	7.0	3.7	2.7	5.6
J-1319	7.3	5.0	4.7	7.0	8.0	3.7	7.3	5.3	1.7	5.6
DLFPS-340/3494	5.7	6.7	6.0	6.0	7.3	1.7	7.3	5.0	4.0	5.5
NAI-15-80	6.3	6.3	3.7	7.0	6.7	5.0	7.0	4.7	3.0	5.5
A15-6	6.3	5.0	5.7	6.0	6.3	5.0	7.0	3.7	4.7	5.5
A16-2	6.7	5.3	4.7	8.0	6.3	3.0	7.0	4.0	4.3	5.5
PROSPERITY	7.0	4.7	5.0	6.0	6.7	3.7	7.0	4.3	5.0	5.5
NK-1	7.0	3.7	4.3	7.0	5.3	6.3	7.0	4.7	4.0	5.5
JERSEY (NAI-A16-3)	7.0	5.7	4.7	6.0	7.0	3.7	7.7	4.0	3.3	5.4
PST-K15-167	6.7	3.7	7.0	7.0	6.3	5.3	7.0	4.7	1.3	5.4
RAD-1776	7.0	6.3	3.3	7.0	6.3	2.3	7.3	4.3	5.0	5.4
A11-38	6.3	7.0	5.0	8.0	6.0	1.7	7.0	4.3	3.7	5.4
BABE	6.7	5.0	4.7	7.0	7.3	2.7	7.3	4.0	4.0	5.4
DLFPS-340/3455	6.3	6.0	3.3	7.0	6.7	3.7	7.0	4.3	4.3	5.4
DLFPS-340/3549	7.3	5.0	4.0	8.0	6.3	3.0	7.3	4.7	3.0	5.4
DLFPS-340/3548	7.3	4.7	4.7	7.0	5.7	3.3	7.0	4.0	4.7	5.4
J-2726	7.0	5.3	5.7	6.0	6.3	4.3	7.0	4.3	1.0	5.2
A16-7	6.3	4.7	4.7	6.0	7.3	4.7	7.0	3.7	2.7	5.2
DLFPS-340/3446	6.3	5.0	4.0	6.0	6.0	3.3	7.7	3.0	5.7	5.2
SHAMROCK	5.0	5.0	4.3	8.0	6.0	1.3	7.0	4.3	5.7	5.2
PPG-KB 1320	6.0	6.0	5.3	8.0	5.7	1.0	7.3	4.0	2.7	5.1
PST-11-7	5.0	4.7	4.3	8.0	7.0	4.0	7.3	3.0	1.7	5.0
A16-1	6.0	5.3	3.7	7.0	6.0	1.0	7.0	3.7	5.0	5.0
AVIATOR II (NAI-15-84)	6.3	5.0	4.0	6.0	5.3	2.0	7.0	4.0	5.0	5.0
DLFPS-340/3364	6.3	3.0	4.7	6.0	5.3	5.0	7.0	4.7	2.7	5.0
KENBLUE	5.0	5.0	3.3	6.0	5.3	2.7	7.0	4.0	5.0	4.8
DLFPS-340/3444	6.0	3.7	5.0	7.0	6.0	1.0	7.0	3.7	4.0	4.8
BLUE KNIGHT	5.0	5.7	3.0	7.0	6.0	1.7	7.0	4.7	2.3	4.7
LSD VALUE	1.3	1.2	2.0	0.1	1.3	1.8	0.6	1.6	2.0	0.5
C.V. (%)	12.1	13.7	23.1	0.9	12.3	22.1	4.9	22.3	29.2	15.6

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 19. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AR1	ND1	OK1	TN1	VA1	MEAN
PST-11-7	97.7	99	94.7	98.0	99.0	97.7
A99-2897	97.3	95	97.0	98.7	99.0	97.4
AFTER MIDNIGHT	97.7	95	95.7	97.7	99.0	97.0
BARSERATI (BAR PP 110358)	98.0	95	94.0	99.0	99.0	97.0
DLFPS-340/3553	97.7	95	95.0	98.3	99.0	97.0
DLFPS-340/3500	97.0	95	95.0	98.7	99.0	96.9
DLFPS-340/3556	98.0	95	93.7	99.0	99.0	96.9
AKB3128	97.3	95	94.3	99.0	99.0	96.9
PPG-KB 1304	96.7	95	96.0	97.7	99.0	96.9
A16-2	93.7	95	97.7	98.0	99.0	96.7
NURUSH (J-3510)	97.7	95	94.0	97.7	99.0	96.7
DLFPS-340/3455	94.3	95	96.7	98.0	99.0	96.6
AKB3179	97.3	95	92.3	99.0	99.0	96.5
BAR PP 7309V	94.3	95	96.3	98.0	99.0	96.5
MIDNIGHT	97.0	95	93.3	98.3	99.0	96.5
PST-K11-118	97.0	99	91.7	96.0	99.0	96.5
RAD 553	96.0	95	94.0	98.7	99.0	96.5
JERSEY (NAI-A16-3)	95.0	95	94.7	98.3	99.0	96.4
PROSPERITY	97.7	95	91.7	98.7	99.0	96.4
YELLOWSTONE (A12-7)	95.3	95	95.7	97.0	99.0	96.4
CLOUD (GO-2425)	96.7	90	98.0	98.0	99.0	96.3
DLFPS-340/3549	96.0	95	94.0	97.7	99.0	96.3
PST-K15-167	96.7	95	92.7	98.0	99.0	96.3
BOMBAY (GO-22B23)	94.3	95	94.7	98.0	99.0	96.2
KH3492	94.7	95	94.3	98.0	99.0	96.2
A06-8	95.3	95	93.3	98.3	99.0	96.2
BAR PP 79494	96.7	95	93.0	97.0	99.0	96.1
PPG-KB 1131	98.3	95	89.7	98.7	99.0	96.1
A11-40	97.0	95	91.0	98.3	99.0	96.1
STARR (GO-2628)	95.3	90	98.3	97.7	99.0	96.1
DLFPS-340/3438	95.0	95	92.3	98.7	99.0	96.0
DLFPS-340/3551	98.0	90	94.7	98.3	99.0	96.0
A13-1	97.0	95	89.7	99.0	99.0	95.9
A15-6	98.0	90	94.0	98.7	99.0	95.9
PST-K13-141	96.0	95	90.7	99.0	99.0	95.9
PALOMA (PST-K13-139)	95.0	95	92.3	98.3	99.0	95.9
AKB3241	94.7	95	92.0	98.7	99.0	95.9
BAR PP 79366	97.7	90	94.0	98.7	99.0	95.9
PST-K15-157	96.0	99	87.7	97.7	99.0	95.9
J-1138	98.0	95	90.0	97.3	99.0	95.9
BAR PP 7236V	95.0	95	93.0	97.0	99.0	95.8
PST-T14-39	97.3	99	90.7	96.0	96.0	95.8
SELWAY	96.0	90	95.0	98.7	99.0	95.7
BABE	94.7	95	91.0	98.7	99.0	95.7
DLFPS-340/3548	92.7	95	95.7	96.0	99.0	95.7
A11-38	95.3	95	90.3	98.7	99.0	95.7
A16-7	97.3	90	93.0	99.0	99.0	95.7
BAR PP 71213	94.0	95	93.3	97.0	99.0	95.7
DLFPS-340/3550	98.3	90	95.0	97.3	97.7	95.7
BLUE GEM (NAI-13-9)	97.7	95	87.7	98.7	99.0	95.6
A11-26	94.3	95	91.3	98.3	99.0	95.6
A16-17	98.3	95	93.3	98.7	92.7	95.6

TABLE 19. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
(CONT'D) 2019 DATA

NAME	PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
	AR1	ND1	OK1	TN1	VA1	MEAN
RAD-1776	95.7	95	90.0	98.3	99.0	95.6
AVIATOR II (NAI-15-84)	95.3	95	90.0	98.3	99.0	95.5
BAR PF 7K426	90.7	95	95.3	97.7	99.0	95.5
SHAMROCK	95.0	95	94.0	97.7	96.0	95.5
A10-280	96.3	95	88.3	98.7	99.0	95.5
DLFPS-340/3444	89.7	95	96.0	97.7	99.0	95.5
DLFPS-340/3446	96.7	95	88.0	98.7	99.0	95.5
J-1319	97.7	90	93.0	97.7	99.0	95.5
BARVETTE HGT®	94.3	90	96.7	96.7	99.0	95.3
BLUE DEVIL	97.3	90	91.3	99.0	99.0	95.3
DLFPS-340/3552	96.0	90	98.0	97.7	94.3	95.2
NAI-15-80	97.0	95	89.7	95.3	99.0	95.2
SKYE	93.7	90	95.3	98.0	99.0	95.2
TWILIGHT (NAI-13-132)	98.3	95	86.0	97.7	99.0	95.2
UNITED (NAI-13-14)	97.3	90	92.3	98.7	97.7	95.2
SYRAH (LTP-11-41)	91.7	90	96.7	98.0	99.0	95.1
DLFPS-340/3494	96.7	95	86.0	98.3	99.0	95.0
J-2726	96.3	90	91.7	98.0	99.0	95.0
PPG-KB 1320	96.7	95	86.7	97.3	99.0	94.9
DLFPS-340/3364	96.7	95	85.7	98.0	99.0	94.9
A12-34	95.0	90	91.0	98.7	99.0	94.7
FINISH LINE (NAI-14-178)	95.7	95	84.3	98.3	99.0	94.5
ORION (PST-K13-143)	95.0	90	93.3	95.0	99.0	94.5
PST-K15-172	94.7	90	92.0	96.7	99.0	94.5
KENBLUE	91.7	90	93.3	97.3	99.0	94.3
MVS-130	91.3	95	88.3	97.3	99.0	94.2
NEW MOON (PST-K15-177)	98.3	90	89.7	93.3	99.0	94.1
HEARTLAND (NAI-14-187)	90.0	95	87.7	98.3	99.0	94.0
PIVOT	94.7	95	83.3	98.0	99.0	94.0
BLUE KNIGHT	95.0	90	87.3	96.7	99.0	93.6
A16-1	84.3	95	92.3	97.0	99.0	93.5
COMANCHE (NAI-14-176)	91.7	95	83.3	98.3	99.0	93.5
NK-1	97.3	90	81.7	98.7	99.0	93.3
NAI-14-128	90.0	90	87.3	97.3	99.0	92.7
NAI-14-132	91.7	90	83.3	97.7	99.0	92.3
NAI-14-122	91.7	90	82.0	97.7	99.0	92.1
AMAZE (NAI-14-133)	87.7	90	84.0	96.7	99.0	91.5
LSD VALUE	3.6	0	7.7	2.5	2.7	1.9
C.V. (%)	2.3	0	5.2	1.6	1.7	2.7

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

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

TABLE 20. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AR1	ND1	OK1	TN1	MEAN
A10-280	90.7	99.0	92.3	92.0	93.5
A13-1	92.3	95.0	93.7	92.0	93.3
A16-17	94.7	95.0	91.0	91.7	93.1
PST-K11-118	89.7	99.0	83.3	93.3	91.3
PPG-KB 1304	93.0	95.0	84.7	92.3	91.3
A11-26	94.0	95.0	84.3	91.3	91.2
A99-2897	83.7	95.0	91.0	94.3	91.0
BLUE GEM (NAI-13-9)	87.3	95.0	86.0	95.7	91.0
PST-K15-167	91.3	99.0	84.0	89.7	91.0
AFTER MIDNIGHT	90.0	91.7	86.3	93.7	90.4
BARSERATI (BAR PP 110358)	91.7	95.0	80.7	94.3	90.4
AKB3128	87.3	95.0	87.0	92.3	90.4
PST-K13-141	82.3	99.0	86.7	92.3	90.1
DLFPS-340/3364	88.0	95.0	88.3	88.7	90.0
DLFPS-340/3553	88.3	95.0	83.3	91.7	89.6
STARR (GO-2628)	87.3	95.0	80.0	96.0	89.6
BARVETTE HGT®	89.0	95.0	81.3	92.7	89.5
AKB3241	94.3	95.0	79.3	88.7	89.3
DLFPS-340/3500	90.0	95.0	78.7	93.3	89.3
FINISH LINE (NAI-14-178)	90.7	99.0	76.7	89.3	88.9
RAD 553	91.3	95.0	75.7	93.7	88.9
DLFPS-340/3494	90.3	95.0	78.3	92.0	88.9
BAR PP 79366	88.0	85.0	88.7	93.7	88.8
DLFPS-340/3550	90.0	90.0	80.0	95.3	88.8
DLFPS-340/3556	84.7	95.0	79.3	94.3	88.3
J-1138	83.3	90.0	84.0	95.3	88.2
A11-40	86.0	95.0	85.7	84.7	87.8
SELWAY	90.7	93.3	73.3	92.7	87.5
NEW MOON (PST-K15-177)	87.7	95.0	84.0	83.0	87.4
PST-T14-39	80.7	99.0	79.3	89.7	87.2
BOMBAY (GO-22B23)	76.3	95.0	82.0	95.3	87.2
BAR PP 79494	84.3	93.3	82.7	87.7	87.0
A15-6	88.0	95.0	70.0	94.0	86.8
BLUE DEVIL	79.7	95.0	77.3	94.7	86.7
BAR PP 7236V	89.0	95.0	73.3	89.0	86.6
DLFPS-340/3551	90.3	90.0	83.3	82.7	86.6
PST-K15-172	77.0	95.0	87.3	86.7	86.5
DLFPS-340/3552	89.0	90.0	70.7	96.0	86.4
PST-11-7	94.7	99.0	71.7	79.3	86.2
CLOUD (GO-2425)	81.3	95.0	73.3	95.0	86.2
YELLOWSTONE (A12-7)	86.0	93.3	85.0	80.3	86.2
BAR PP 71213	70.0	95.0	88.7	90.3	86.0
SKYE	84.7	93.3	72.3	93.7	86.0
BAR PP 7K426	79.7	95.0	86.7	81.3	85.7
DLFPS-340/3446	83.3	95.0	81.0	83.0	85.6
SYRAH (LTP-11-41)	81.0	90.0	79.0	92.0	85.5
NAI-15-80	84.7	95.0	80.0	79.7	84.8
NURUSH (J-3510)	84.3	81.7	81.0	92.3	84.8
MIDNIGHT	84.3	99.0	61.7	93.0	84.5
UNITED (NAI-13-14)	81.3	90.0	70.0	95.3	84.2
AKB3179	80.3	93.3	83.3	79.3	84.1
PPG-KB 1131	78.3	95.0	69.3	93.7	84.1



TABLE 20. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
(CONT'D) 2019 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/					
NAME	AR1	ND1	OK1	TN1	MEAN
PIVOT	70.3	95.0	78.3	90.0	83.4
TWILIGHT (NAI-13-132)	80.7	95.0	61.7	95.3	83.2
A12-34	80.7	90.0	73.3	87.7	82.9
NK-1	89.0	86.7	67.7	88.0	82.8
BAR PP 7309V	72.7	95.0	81.7	81.3	82.7
ORION (PST-K13-143)	91.0	95.0	70.0	72.7	82.2
A16-7	80.0	90.0	60.0	92.0	80.5
J-1319	78.7	95.0	59.3	85.7	79.7
PST-K15-157	67.0	99.0	74.0	76.7	79.2
KH3492	86.3	93.3	65.0	71.0	78.9
AVIATOR II (NAI-15-84)	77.7	95.0	65.0	77.3	78.8
A06-8	89.0	96.3	61.7	63.7	77.7
BABE	83.3	93.3	60.0	74.0	77.7
DLFPS-340/3455	91.7	95.0	58.3	65.3	77.6
DLFPS-340/3438	84.7	95.0	46.7	83.7	77.5
A16-2	77.3	99.0	52.7	80.0	77.3
BLUE KNIGHT	67.7	95.0	67.7	76.3	76.7
J-2726	83.3	95.0	72.3	56.0	76.7
DLFPS-340/3444	72.7	95.0	73.3	64.7	76.4
SHAMROCK	86.0	99.0	48.3	70.3	75.9
JERSEY (NAI-A16-3)	86.3	95.0	61.7	60.0	75.8
MVS-130	50.7	95.0	75.7	71.3	73.2
DLFPS-340/3548	75.3	95.0	60.7	60.7	72.9
RAD-1776	80.7	95.0	78.3	37.3	72.8
HEARTLAND (NAI-14-187)	64.0	95.0	62.7	66.0	71.9
NAI-14-128	56.0	95.0	65.0	70.3	71.6
A11-38	84.7	95.0	71.7	33.7	71.3
PROSPERITY	85.7	93.3	55.0	48.7	70.7
KENBLUE	80.7	95.0	46.7	59.7	70.5
NAI-14-122	66.7	95.0	46.7	73.7	70.5
PALOMA (PST-K13-139)	80.0	95.0	73.3	33.3	70.4
DLFPS-340/3549	84.0	95.0	55.0	46.3	70.1
PPG-KB 1320	79.7	95.0	60.7	37.3	68.2
NAI-14-132	57.7	90.0	46.7	62.3	64.2
A16-1	67.3	95.0	20.0	65.3	61.9
AMAZE (NAI-14-133)	56.7	90.0	28.3	59.3	58.6
COMANCHE (NAI-14-176)	55.7	99.0	28.3	33.0	54.0
LSD VALUE	13.1	4.3	31.7	18.8	9.8
C.V. (%)	9.9	2.8	27.2	14.5	14.8

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

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

TABLE 21. PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AR1	ND1	NJ2	TN1	MEAN
BARVETTE HGT®	96.7	99.0	97.7	98.3	97.9
BARSERATI (BAR PP 110358)	94.3	99.0	99.0	98.0	97.6
A10-280	94.7	99.0	91.7	98.7	96.0
BLUE GEM (NAI-13-9)	96.7	99.0	88.3	98.7	95.7
DLFPS-340/3500	96.3	99.0	88.3	98.0	95.4
BAR PP 79366	94.3	99.0	88.3	98.7	95.1
J-1138	96.3	99.0	88.3	96.3	95.0
DLFPS-340/3550	94.0	95.0	90.0	99.0	94.5
A99-2897	93.7	99.0	93.3	91.0	94.3
CLOUD (GO-2425)	88.3	95.0	96.3	97.0	94.2
SKYE	92.0	95.0	93.3	95.7	94.0
A11-26	93.7	95.0	90.0	95.7	93.6
BLUE DEVIL	95.7	95.0	85.0	98.7	93.6
AKB3241	94.0	99.0	93.3	88.0	93.6
AFTER MIDNIGHT	96.0	99.0	81.7	97.3	93.5
MIDNIGHT	95.3	99.0	81.7	98.0	93.5
PST-K13-141	90.7	99.0	88.0	96.3	93.5
UNITED (NAI-13-14)	96.7	95.0	83.3	99.0	93.5
NURUSH (J-3510)	95.7	95.0	86.7	95.7	93.3
PPG-KB 1131	94.0	95.0	85.0	99.0	93.3
TWILIGHT (NAI-13-132)	93.3	99.0	81.7	99.0	93.3
PST-K15-172	90.7	95.0	99.0	86.7	92.8
STARR (GO-2628)	93.7	95.0	85.0	97.7	92.8
BAR PP 79494	95.0	99.0	83.3	93.3	92.7
BOMBAY (GO-22B23)	91.3	95.0	88.0	94.7	92.3
PST-K11-118	96.3	99.0	76.7	94.7	91.7
A13-1	93.0	99.0	95.0	77.3	91.1
PPG-KB 1304	94.0	95.0	93.0	81.7	90.9
PST-T14-39	89.3	99.0	80.0	95.3	90.9
A15-6	93.0	95.0	83.3	92.0	90.8
DLFPS-340/3553	93.0	97.7	88.3	84.0	90.8
AKB3128	93.7	99.0	85.0	83.7	90.3
DLFPS-340/3552	91.7	95.0	93.0	81.3	90.3
A12-34	88.0	95.0	85.0	89.7	89.4
DLFPS-340/3438	85.7	99.0	86.7	86.3	89.4
NK-1	87.7	99.0	80.0	86.7	88.3
A16-17	95.3	95.0	97.7	63.0	87.8
BAR PP 71213	95.3	99.0	88.3	67.7	87.6
SELWAY	92.0	95.0	71.7	91.3	87.5
A16-7	88.7	95.0	73.3	92.7	87.4
NAI-15-80	89.3	99.0	76.7	84.0	87.3
DLFPS-340/3556	91.7	95.0	75.0	86.0	86.9
PST-K15-167	92.7	99.0	70.0	86.0	86.9
DLFPS-340/3364	91.0	95.0	65.0	94.3	86.3
BAR PP 7236V	95.0	99.0	83.3	64.7	85.5
BAR PP 7309V	88.3	99.0	75.0	79.3	85.4
RAD 553	91.3	99.0	60.0	90.3	85.2
PIVOT	78.7	99.0	68.3	93.3	84.8
BAR PP 7K426	90.7	99.0	76.7	69.7	84.0
YELLOWSTONE (A12-7)	87.3	99.0	65.0	77.0	82.1
J-1319	86.0	95.0	73.3	73.7	82.0
FINISH LINE (NAI-14-178)	96.0	99.0	61.7	71.0	81.9

TABLE 21. PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
(CONT'D) 2019 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/					
NAME	AR1	ND1	NJ2	TN1	MEAN
A11-40	92.3	99.0	73.3	61.0	81.4
DLFPS-340/3551	92.0	95.0	86.7	48.3	80.5
SYRAH (LTP-11-41)	92.0	95.0	81.7	53.0	80.4
PST-K15-157	86.7	99.0	56.7	77.3	79.9
DLFPS-340/3494	95.3	99.0	30.0	95.3	79.9
NAI-14-128	72.0	96.3	76.7	73.7	79.7
DLFPS-340/3549	85.0	99.0	50.0	77.0	77.8
NEW MOON (PST-K15-177)	94.7	95.0	50.0	71.3	77.8
ORION (PST-K13-143)	90.3	99.0	51.7	70.0	77.8
A06-8	93.0	99.0	66.7	51.7	77.6
DLFPS-340/3455	90.3	99.0	56.7	63.7	77.4
KH3492	94.3	99.0	61.7	54.0	77.3
DLFPS-340/3446	91.3	95.0	61.7	59.7	76.9
MVS-130	76.3	95.0	60.0	73.7	76.3
AKB3179	86.7	99.0	70.0	44.7	75.1
JERSEY (NAI-A16-3)	96.3	99.0	53.3	50.7	74.8
HEARTLAND (NAI-14-187)	80.0	95.0	71.7	52.0	74.7
BABE	92.0	99.0	63.3	43.3	74.4
AMAZE (NAI-14-133)	71.0	95.0	76.7	52.3	73.8
J-2726	93.3	95.0	61.7	41.3	72.8
NAI-14-132	68.7	95.0	73.3	53.7	72.7
A16-2	89.7	99.0	58.3	41.7	72.2
NAI-14-122	82.7	99.0	68.3	38.3	72.1
BLUE KNIGHT	84.3	95.0	38.3	66.3	71.0
COMANCHE (NAI-14-176)	80.0	99.0	65.0	36.3	70.1
DLFPS-340/3548	83.7	99.0	50.0	47.3	70.0
SHAMROCK	93.0	99.0	23.3	56.7	68.0
KENBLUE	79.3	95.0	30.0	66.0	67.6
RAD-1776	88.0	99.0	36.7	41.3	66.3
PROSPERITY	88.0	95.0	38.3	43.3	66.2
AVIATOR II (NAI-15-84)	79.3	95.0	31.7	57.0	65.8
A11-38	89.0	99.0	31.7	35.0	63.7
A16-1	80.3	99.0	16.7	53.7	62.4
PST-11-7	97.3	99.0	18.3	24.7	59.8
PALOMA (PST-K13-139)	86.7	95.0	21.7	33.7	59.3
DLFPS-340/3444	82.3	95.0	26.7	27.0	57.8
PPG-KB 1320	85.0	95.0	15.0	27.7	55.7
LSD VALUE	7.9	0.6	18.8	31.9	9.5
C.V. (%)	5.4	0.4	16.5	26.7	14.2

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

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

TABLE 22.

WINTER COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

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

NAME	KY1	NAME	KY1	NAME	KY1
AVIATOR II (NAI-15-84)	6.0	PST-T14-39	5.0	ORION (PST-K13-143)	4.3
BARVETTE HGT®	5.7	RAD-1776	5.0	PPG-KB 1320	4.3
NAI-15-80	5.7	SYRAH (LTP-11-41)	5.0	PST-K11-118	4.3
A15-6	5.3	A11-38	4.7	A11-26	4.0
BARSERATI (BAR PP 110358)	5.3	A16-1	4.7	A16-17	4.0
DLFPS-340/3364	5.3	A16-2	4.7	AFTER MIDNIGHT	4.0
DLFPS-340/3446	5.3	A16-7	4.7	BAR PP 79366	4.0
DLFPS-340/3553	5.3	AKB3241	4.7	BAR PP 79494	4.0
PPG-KB 1304	5.3	AMAZE (NAI-14-133)	4.7	BLUE DEVIL	4.0
SHAMROCK	5.3	DLFPS-340/3444	4.7	BLUE KNIGHT	4.0
A06-8	5.0	DLFPS-340/3455	4.7	CLOUD (GO-2425)	4.0
A10-280	5.0	DLFPS-340/3500	4.7	DLFPS-340/3494	4.0
A11-40	5.0	DLFPS-340/3548	4.7	HEARTLAND (NAI-14-187)	4.0
A12-34	5.0	DLFPS-340/3549	4.7	JERSEY (NAI-A16-3)	4.0
A13-1	5.0	DLFPS-340/3550	4.7	MVS-130	4.0
A99-2897	5.0	J-1319	4.7	PST-11-7	4.0
AKB3128	5.0	NK-1	4.7	PST-K15-167	4.0
AKB3179	5.0	PALOMA (PST-K13-139)	4.7	SELWAY	4.0
BABE	5.0	PIVOT	4.7	SKYE	4.0
BAR PP 71213	5.0	PST-K13-141	4.7	UNITED (NAI-13-14)	4.0
BAR PP 7236V	5.0	RAD 553	4.7	BLUE GEM (NAI-13-9)	3.7
BAR PP 7309V	5.0	STARR (GO-2628)	4.7	J-1138	3.7
DLFPS-340/3438	5.0	YELLOWSTONE (A12-7)	4.7	NAI-14-132	3.7
DLFPS-340/3551	5.0	BAR PP 7K426	4.3	NURUSH (J-3510)	3.7
DLFPS-340/3556	5.0	BOMBAY (GO-22B23)	4.3	PST-K15-172	3.7
FINISH LINE (NAI-14-178)	5.0	COMANCHE (NAI-14-176)	4.3	TWILIGHT (NAI-13-132)	3.7
KENBLUE	5.0	DLFPS-340/3552	4.3	NEW MOON (PST-K15-177)	3.3
KH3492	5.0	J-2726	4.3	PPG-KB 1131	3.3
PROSPERITY	5.0	NAI-14-122	4.3	MIDNIGHT	3.0
PST-K15-157	5.0	NAI-14-128	4.3		
				LSD VALUE	0.8
				C.V. (%)	10.8

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 23.

STEM RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

			STEM RUST RATINGS 1-9; 9=NO DISEASE						2/		
NAME	IN1	MI1	MEAN	NAME	IN1	MI1	MEAN	NAME	IN1	MI1	MEAN
PST-K15-157	9.0	9.0	9.0	PALOMA (PST-K13-139)	7.7	9.0	8.3	UNITED (NAI-13-14)	7.0	8.3	7.7
A06-8	8.7	9.0	8.8	PPG-KB 1304	7.7	9.0	8.3	A11-40	6.3	9.0	7.7
BAR PP 79366	8.7	9.0	8.8	PST-K13-141	7.7	9.0	8.3	AVIATOR II (NAI-15-84)	6.3	9.0	7.7
DLFPS-340/3500	8.7	9.0	8.8	PST-K15-172	7.7	9.0	8.3	DLFPS-340/3446	6.3	9.0	7.7
A11-26	8.3	9.0	8.7	COMANCHE (NAI-14-176)	8.0	8.7	8.3	RAD 553	6.3	9.0	7.7
BOMBAY (GO-22B23)	8.3	9.0	8.7	A15-6	8.0	8.3	8.2	BABE	7.3	7.7	7.5
DLFPS-340/3455	8.3	9.0	8.7	BLUE GEM (NAI-13-9)	8.3	8.0	8.2	DLFPS-340/3444	8.0	7.0	7.5
DLFPS-340/3553	8.3	9.0	8.7	A12-34	7.3	9.0	8.2	DLFPS-340/3548	6.0	9.0	7.5
HEARTLAND (NAI-14-187)	8.3	9.0	8.7	A16-17	7.3	9.0	8.2	KENBLUE	6.0	9.0	7.5
NAI-14-122	8.3	9.0	8.7	A16-7	7.3	9.0	8.2	PST-K15-167	6.0	9.0	7.5
RAD-1776	8.3	9.0	8.7	AKB3179	7.3	9.0	8.2	SELWAY	6.0	9.0	7.5
AKB3128	8.0	9.0	8.5	DLFPS-340/3364	7.3	9.0	8.2	YELLOWSTONE (A12-7)	6.7	8.3	7.5
BAR PP 7309V	8.0	9.0	8.5	DLFPS-340/3549	7.3	9.0	8.2	A16-1	7.0	7.7	7.3
BAR PP 7K426	8.0	9.0	8.5	PST-K11-118	7.3	9.0	8.2	NAI-15-80	5.7	9.0	7.3
BARSERATI (BAR PP 110358)	8.0	9.0	8.5	A13-1	8.3	7.7	8.0	DLFPS-340/3552	6.7	7.7	7.2
BARVETTE HGT@	8.0	9.0	8.5	A16-2	8.0	8.0	8.0	ORION (PST-K13-143)	5.3	9.0	7.2
CLOUD (GO-2425)	8.0	9.0	8.5	BAR PP 7236V	7.0	9.0	8.0	KH3492	7.3	6.7	7.0
PST-T14-39	8.0	9.0	8.5	DLFPS-340/3438	7.0	9.0	8.0	FINISH LINE (NAI-14-178)	7.0	6.7	6.8
SKYE	8.0	9.0	8.5	DLFPS-340/3551	7.7	8.3	8.0	DLFPS-340/3494	6.7	6.7	6.7
STARR (GO-2628)	8.0	9.0	8.5	DLFPS-340/3556	7.0	9.0	8.0	J-2726	6.0	7.0	6.5
A10-280	7.7	9.0	8.3	J-1138	7.0	9.0	8.0	SHAMROCK	7.0	6.0	6.5
AKB3241	7.7	9.0	8.3	MIDNIGHT	7.0	9.0	8.0	PST-11-7	6.0	6.3	6.2
AMAZE (NAI-14-133)	8.3	8.3	8.3	NURUSH (J-3510)	7.0	9.0	8.0	PIVOT	4.7	7.0	5.8
BAR PP 71213	7.7	9.0	8.3	TWILIGHT (NAI-13-132)	7.0	9.0	8.0	AFTER MIDNIGHT	4.0	7.3	5.7
DLFPS-340/3550	7.7	9.0	8.3	A11-38	7.3	8.3	7.8	BLUE KNIGHT	4.7	6.0	5.3
J-1319	7.7	9.0	8.3	A99-2897	7.3	8.3	7.8	PPG-KB 1320	5.3	4.3	4.8
JERSEY (NAI-A16-3)	7.7	9.0	8.3	BAR PP 79494	6.7	9.0	7.8	PROSPERITY	4.0	4.7	4.3
MVS-130	7.7	9.0	8.3	BLUE DEVIL	6.7	9.0	7.8				
NAI-14-128	7.7	9.0	8.3	SYRAH (LTP-11-41)	6.7	9.0	7.8				
NAI-14-132	7.7	9.0	8.3	NK-1	7.0	8.3	7.7	LSD VALUE	1.4	1.3	1.0
NEW MOON (PST-K15-177)	7.7	9.0	8.3	PPG-KB 1131	7.0	8.3	7.7	C.V. (%)	12.0	9.8	10.8

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.

DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

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

NAME	IN1	MI1	MEAN	NAME	IN1	MI1	MEAN	NAME	IN1	MI1	MEAN
NK-1	8.0	9.0	8.5	NAI-15-80	5.7	9.0	7.3	DLFPS-340/3500	4.3	9.0	6.7
DLFPS-340/3438	7.3	9.0	8.2	PIVOT	5.7	9.0	7.3	KH3492	4.3	9.0	6.7
AKB3128	7.0	9.0	8.0	PST-K15-157	5.7	9.0	7.3	PPG-KB 1320	4.3	9.0	6.7
AKB3179	7.0	9.0	8.0	RAD-1776	6.0	8.7	7.3	A11-38	4.7	8.3	6.5
AVIATOR II (NAI-15-84)	7.0	9.0	8.0	COMANCHE (NAI-14-176)	5.3	9.0	7.2	A16-1	4.0	9.0	6.5
A12-34	6.7	9.0	7.8	DLFPS-340/3364	5.3	9.0	7.2	BAR PP 79366	4.0	9.0	6.5
AFTER MIDNIGHT	6.7	9.0	7.8	DLFPS-340/3455	5.3	9.0	7.2	DLFPS-340/3549	4.0	9.0	6.5
AKB3241	6.7	9.0	7.8	J-2726	5.3	9.0	7.2	DLFPS-340/3553	4.0	9.0	6.5
DLFPS-340/3550	6.7	9.0	7.8	MIDNIGHT	5.3	9.0	7.2	ORION (PST-K13-143)	4.0	9.0	6.5
HEARTLAND (NAI-14-187)	6.7	9.0	7.8	PPG-KB 1131	5.3	9.0	7.2	PST-11-7	4.0	9.0	6.5
MVS-130	6.7	9.0	7.8	PST-K15-167	5.7	8.7	7.2	A11-26	4.0	8.7	6.3
PST-K11-118	6.7	9.0	7.8	PST-K15-172	5.3	9.0	7.2	JERSEY (NAI-A16-3)	4.0	8.7	6.3
A06-8	6.3	9.0	7.7	STARR (GO-2628)	5.3	9.0	7.2	PST-K13-141	3.7	9.0	6.3
A16-7	6.3	9.0	7.7	A10-280	5.3	8.7	7.0	PST-T14-39	3.3	9.0	6.2
AMAZE (NAI-14-133)	6.3	9.0	7.7	BLUE GEM (NAI-13-9)	5.0	9.0	7.0	SYRAH (LTP-11-41)	3.3	9.0	6.2
BARSERATI (BAR PP 110358)	6.3	9.0	7.7	DLFPS-340/3494	5.0	9.0	7.0	TWILIGHT (NAI-13-132)	3.3	9.0	6.2
DLFPS-340/3551	6.3	9.0	7.7	SKYE	5.0	9.0	7.0	YELLOWSTONE (A12-7)	3.7	8.7	6.2
DLFPS-340/3556	6.3	9.0	7.7	A11-40	4.7	9.0	6.8	BAR PP 7309V	3.0	9.0	6.0
NAI-14-128	6.3	9.0	7.7	BAR PP 7K426	4.7	9.0	6.8	BLUE KNIGHT	3.0	9.0	6.0
A13-1	6.0	9.0	7.5	BOMBAY (GO-22B23)	4.7	9.0	6.8	PALOMA (PST-K13-139)	3.3	8.7	6.0
A15-6	6.0	9.0	7.5	J-1138	4.7	9.0	6.8	BAR PP 71213	3.7	8.0	5.8
A99-2897	6.0	9.0	7.5	NURUSH (J-3510)	4.7	9.0	6.8	BARVETTE HGT®	2.7	8.3	5.5
DLFPS-340/3446	6.0	9.0	7.5	PPG-KB 1304	4.7	9.0	6.8	SELWAY	3.3	7.7	5.5
DLFPS-340/3548	6.0	9.0	7.5	SHAMROCK	4.7	9.0	6.8	RAD 553	2.7	7.7	5.2
NAI-14-132	6.0	9.0	7.5	UNITED (NAI-13-14)	4.7	9.0	6.8	FINISH LINE (NAI-14-178)	1.5	8.7	5.1
NEW MOON (PST-K15-177)	6.7	8.3	7.5	BAR PP 7236V	5.0	8.7	6.8	KENBLUE	1.7	8.0	4.8
PROSPERITY	6.0	9.0	7.5	NAI-14-122	5.0	8.7	6.8	A16-17	2.3	5.0	3.7
BABE	5.7	9.0	7.3	A16-2	4.3	9.0	6.7				
BAR PP 79494	5.7	9.0	7.3	BLUE DEVIL	4.3	9.0	6.7				
DLFPS-340/3552	5.7	9.0	7.3	CLOUD (GO-2425)	4.3	9.0	6.7	LSD VALUE	2.0	0.7	1.1
J-1319	5.7	9.0	7.3	DLFPS-340/3444	4.3	9.0	6.7	C.V. (%)	24.4	5.1	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 25. SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

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

NAME	AR1	NC1	NJ2	OK1	MEAN
BARSERATI (BAR PP 110358)	9.0	9.0	9.0	9.0	9.0
A99-2897	9.0	9.0	9.0	8.7	8.9
PST-K15-172	9.0	9.0	8.7	9.0	8.9
AKB3241	9.0	9.0	8.3	8.7	8.8
DLFPS-340/3550	9.0	8.3	8.7	8.7	8.7
BARVETTE HGT®	9.0	7.7	9.0	8.7	8.6
PST-K13-141	9.0	9.0	8.0	8.3	8.6
BOMBAY (GO-22B23)	9.0	9.0	8.7	7.7	8.6
CLOUD (GO-2425)	9.0	9.0	8.7	7.7	8.6
BAR PP 79366	9.0	7.3	9.0	8.7	8.5
BLUE GEM (NAI-13-9)	9.0	9.0	7.7	8.3	8.5
J-1138	9.0	9.0	8.3	7.7	8.5
A13-1	9.0	6.7	9.0	9.0	8.4
BAR PP 71213	9.0	8.3	7.3	9.0	8.4
DLFPS-340/3556	9.0	8.3	8.0	8.3	8.4
PPG-KB 1304	8.3	8.3	8.7	8.3	8.4
A10-280	9.0	7.7	8.3	8.7	8.4
MIDNIGHT	9.0	8.3	8.7	7.7	8.4
NURUSH (J-3510)	9.0	9.0	8.7	7.0	8.4
AKB3128	8.7	8.3	8.0	8.3	8.3
DLFPS-340/3551	9.0	9.0	7.7	7.7	8.3
NK-1	8.3	9.0	7.7	8.3	8.3
DLFPS-340/3438	8.7	9.0	7.7	8.0	8.3
SKYE	9.0	8.3	8.3	7.3	8.3
BAR PP 7236V	9.0	8.3	8.0	7.7	8.3
PPG-KB 1131	8.3	8.3	8.0	8.3	8.3
STARR (GO-2628)	9.0	8.0	8.0	8.0	8.3
A15-6	9.0	8.3	7.3	8.0	8.2
AFTER MIDNIGHT	9.0	9.0	6.7	8.0	8.2
DLFPS-340/3500	9.0	6.3	8.7	8.7	8.2
DLFPS-340/3552	9.0	7.3	8.7	7.7	8.2
A12-34	9.0	8.3	7.0	8.0	8.1
A16-17	9.0	6.0	8.7	8.7	8.1
A11-26	9.0	6.7	8.0	8.3	8.0
BAR PP 79494	9.0	7.3	7.0	8.7	8.0
BLUE DEVIL	9.0	8.3	6.7	8.0	8.0
DLFPS-340/3553	9.0	7.7	8.0	7.3	8.0
PST-K15-167	9.0	9.0	5.7	8.3	8.0
SYRAH (LTP-11-41)	9.0	9.0	6.0	8.0	8.0
UNITED (NAI-13-14)	7.7	9.0	7.7	7.7	8.0
BAR PP 7K426	8.3	8.7	6.0	8.7	7.9
DLFPS-340/3364	8.7	9.0	6.0	8.0	7.9
PST-T14-39	7.3	8.3	8.0	7.3	7.8
PST-K11-118	8.7	9.0	5.3	8.0	7.8
TWILIGHT (NAI-13-132)	8.7	8.0	6.0	8.0	7.7
A11-40	9.0	8.3	4.3	8.7	7.6
A16-7	9.0	9.0	5.7	6.7	7.6
BAR PP 7309V	9.0	8.0	5.0	8.0	7.5
AKB3179	8.3	9.0	4.7	7.7	7.4
PIVOT	9.0	9.0	4.7	7.0	7.4
SELWAY	8.0	9.0	5.7	7.0	7.4

TABLE 25.  
(CONT'D)

SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

NAME	SUMMER PATCH RATINGS 1-9; 9=NO DISEASE 2/				
	AR1	NC1	NJ2	OK1	MEAN
DLFPS-340/3446	8.3	9.0	4.7	7.3	7.3
J-2726	9.0	8.3	4.0	8.0	7.3
NAI-14-128	9.0	9.0	4.7	6.7	7.3
HEARTLAND (NAI-14-187)	9.0	9.0	4.3	7.0	7.3
J-1319	9.0	9.0	4.3	7.0	7.3
NAI-15-80	8.7	7.7	5.3	7.7	7.3
PST-K15-157	9.0	9.0	3.3	8.0	7.3
A06-8	9.0	9.0	4.7	6.3	7.3
YELLOWSTONE (A12-7)	9.0	8.3	4.7	6.7	7.2
MVS-130	9.0	9.0	3.7	6.7	7.1
DLFPS-340/3455	9.0	9.0	3.3	7.0	7.1
NAI-14-122	9.0	8.3	3.7	6.7	6.9
AMAZE (NAI-14-133)	9.0	9.0	4.7	5.0	6.9
RAD 553	9.0	7.3	4.7	6.7	6.9
PST-11-7	8.7	8.0	4.7	6.3	6.9
COMANCHE (NAI-14-176)	9.0	9.0	3.7	5.7	6.8
FINISH LINE (NAI-14-178)	8.3	5.3	5.7	8.0	6.8
A16-2	9.0	9.0	3.3	5.7	6.8
DLFPS-340/3548	9.0	8.3	3.3	6.3	6.8
NAI-14-132	9.0	7.7	5.3	5.0	6.8
NEW MOON (PST-K15-177)	7.7	8.0	4.0	7.3	6.8
JERSEY (NAI-A16-3)	8.0	9.0	3.7	5.7	6.6
KH3492	9.0	7.3	4.0	6.0	6.6
BABE	7.0	9.0	3.3	6.7	6.5
PROSPERITY	8.7	9.0	3.3	5.0	6.5
ORION (PST-K13-143)	8.7	9.0	2.7	5.3	6.4
RAD-1776	8.3	7.7	2.0	7.3	6.3
SHAMROCK	8.0	9.0	1.0	7.0	6.3
BLUE KNIGHT	9.0	6.3	2.0	7.3	6.2
DLFPS-340/3549	7.3	9.0	3.3	5.0	6.2
DLFPS-340/3494	8.3	8.0	1.3	6.7	6.1
DLFPS-340/3444	7.7	8.3	1.0	6.3	5.8
A16-1	7.3	9.0	1.0	5.7	5.8
PALOMA (PST-K13-139)	6.3	9.0	1.0	6.0	5.6
A11-38	7.3	6.7	1.7	6.3	5.5
AVIATOR II (NAI-15-84)	7.3	7.7	1.3	5.7	5.5
KENBLUE	7.3	7.0	2.7	3.7	5.2
PPG-KB 1320	7.3	7.3	1.0	4.7	5.1
LSD VALUE	1.6	2.0	1.9	2.0	0.9
C.V. (%)	11.2	14.7	21.2	17.0	15.6

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 26.

COLOR (OCTOBER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

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

NAME	NC1	NAME	NC1	NAME	NC1
J-1319	8.0	PST-K15-157	5.3	DLFPS-340/3500	4.0
BLUE GEM (NAI-13-9)	7.3	A10-280	5.0	NAI-14-122	4.0
BAR PP 79494	7.0	A11-26	5.0	NEW MOON (PST-K15-177)	4.0
PST-K11-118	7.0	A16-1	5.0	PST-K15-172	4.0
UNITED (NAI-13-14)	7.0	A99-2897	5.0	SHAMROCK	4.0
AFTER MIDNIGHT	6.7	AMAZE (NAI-14-133)	5.0	A11-38	3.7
DLFPS-340/3364	6.7	BAR PP 79366	5.0	ORION (PST-K13-143)	3.7
J-1138	6.7	COMANCHE (NAI-14-176)	5.0	PST-K13-141	3.7
NURUSH (J-3510)	6.7	DLFPS-340/3494	5.0	PST-K15-167	3.7
J-2726	6.3	HEARTLAND (NAI-14-187)	5.0	SELWAY	3.7
MIDNIGHT	6.3	STARR (GO-2628)	5.0	YELLOWSTONE (A12-7)	3.7
NAI-15-80	6.3	A11-40	4.7	A16-17	3.3
SKYE	6.3	A16-2	4.7	BABE	3.3
TWILIGHT (NAI-13-132)	6.3	DLFPS-340/3550	4.7	BAR PP 7236V	3.3
A06-8	6.0	DLFPS-340/3556	4.7	BLUE KNIGHT	3.3
A15-6	6.0	KH3492	4.7	DLFPS-340/3455	3.3
A16-7	6.0	NAI-14-132	4.7	DLFPS-340/3548	3.3
BLUE DEVIL	6.0	SYRAH (LTP-11-41)	4.7	DLFPS-340/3552	3.3
PPG-KB 1131	6.0	AVIATOR II (NAI-15-84)	4.3	NK-1	3.3
A13-1	5.7	BAR PP 71213	4.3	AKB3179	3.0
AKB3128	5.7	BAR PP 7309V	4.3	AKB3241	3.0
CLOUD (GO-2425)	5.7	BARVETTE HGT®	4.3	PIVOT	3.0
DLFPS-340/3444	5.7	DLFPS-340/3551	4.3	PPG-KB 1320	2.7
PALOMA (PST-K13-139)	5.7	FINISH LINE (NAI-14-178)	4.3	RAD 553	2.7
PST-T14-39	5.7	JERSEY (NAI-A16-3)	4.3	RAD-1776	2.7
BOMBAY (GO-22B23)	5.3	PROSPERITY	4.3	DLFPS-340/3549	2.3
DLFPS-340/3446	5.3	PST-11-7	4.3	KENBLUE	2.0
DLFPS-340/3553	5.3	A12-34	4.0		
MVS-130	5.3	BAR PP 7K426	4.0		
NAI-14-128	5.3	BARSERATI (BAR PP 110358)	4.0	LSD VALUE	1.6
PPG-KB 1304	5.3	DLFPS-340/3438	4.0	C.V. (%)	20.6

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 27.

SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	IN1	NJ1	MEAN	NAME	IN1	NJ1	MEAN	NAME	IN1	NJ1	MEAN
FINISH LINE (NAI-14-178)	9.0	8.7	8.8	BAR PP 79494	8.3	6.7	7.5	DLFPS-340/3446	6.0	6.7	6.3
A11-40	8.3	9.0	8.7	BARSERATI (BAR PP 110358)	7.3	7.7	7.5	NAI-14-122	4.7	8.0	6.3
A16-17	8.3	9.0	8.7	BLUE DEVIL	8.0	7.0	7.5	PIVOT	5.0	7.7	6.3
BARVETTE HGT®	8.3	9.0	8.7	DLFPS-340/3550	8.7	6.3	7.5	AMAZE (NAI-14-133)	4.3	8.0	6.2
J-1138	9.0	8.3	8.7	DLFPS-340/3556	8.7	6.3	7.5	PST-K13-141	6.0	6.3	6.2
NURUSH (J-3510)	9.0	8.3	8.7	JERSEY (NAI-A16-3)	6.3	8.3	7.3	A06-8	5.7	6.3	6.0
KENBLUE	8.0	9.0	8.5	PST-K15-157	7.0	7.7	7.3	A10-280	4.7	7.3	6.0
PPG-KB 1304	8.0	9.0	8.5	A11-38	6.0	8.7	7.3	A15-6	6.3	5.7	6.0
PPG-KB 1320	9.0	8.0	8.5	YELLOWSTONE (A12-7)	6.0	8.7	7.3	COMANCHE (NAI-14-176)	4.0	8.0	6.0
A11-26	7.7	9.0	8.3	BAR PP 7236V	5.7	8.7	7.2	AKB3241	5.7	6.0	5.8
BLUE GEM (NAI-13-9)	9.0	7.7	8.3	DLFPS-340/3444	5.3	9.0	7.2	PST-11-7	3.7	7.7	5.7
A13-1	8.0	8.7	8.3	KH3492	5.7	8.7	7.2	HEARTLAND (NAI-14-187)	4.0	7.3	5.7
DLFPS-340/3548	8.0	8.3	8.2	PST-K15-172	6.3	8.0	7.2	PST-K15-167	5.0	6.3	5.7
DLFPS-340/3549	7.3	9.0	8.2	DLFPS-340/3438	5.7	8.3	7.0	A12-34	7.3	3.7	5.5
RAD 553	7.7	8.7	8.2	PROSPERITY	8.0	6.0	7.0	BAR PP 71213	2.3	8.7	5.5
SYRAH (LTP-11-41)	7.3	9.0	8.2	SHAMROCK	5.3	8.7	7.0	BAR PP 7K426	4.7	6.3	5.5
AFTER MIDNIGHT	8.3	7.7	8.0	NAI-14-132	4.7	9.0	6.8	MVS-130	4.0	7.0	5.5
BOMBAY (GO-22B23)	7.7	8.3	8.0	PST-K11-118	5.3	8.3	6.8	NK-1	4.7	6.0	5.3
DLFPS-340/3455	7.0	9.0	8.0	SKYE	6.0	7.7	6.8	A16-7	5.3	5.3	5.3
DLFPS-340/3553	7.3	8.7	8.0	AVIATOR II (NAI-15-84)	5.0	8.7	6.8	DLFPS-340/3494	2.7	8.0	5.3
PPG-KB 1131	9.0	7.0	8.0	A16-2	5.7	7.7	6.7	BAR PP 7309V	4.7	5.7	5.2
PALOMA (PST-K13-139)	7.3	8.3	7.8	A99-2897	8.3	5.0	6.7	NEW MOON (PST-K15-177)	5.7	4.7	5.2
SELWAY	6.7	9.0	7.8	BABE	5.0	8.3	6.7	NAI-15-80	5.0	5.3	5.2
STARR (GO-2628)	7.3	8.3	7.8	ORION (PST-K13-143)	5.7	7.7	6.7	DLFPS-340/3552	6.3	3.3	4.8
J-2726	7.0	8.7	7.8	A16-1	4.7	8.7	6.7	DLFPS-340/3551	4.7	4.7	4.7
TWILIGHT (NAI-13-132)	8.3	7.0	7.7	DLFPS-340/3500	8.0	5.3	6.7	DLFPS-340/3364	5.3	3.7	4.5
CLOUD (GO-2425)	7.3	8.0	7.7	J-1319	7.0	6.3	6.7	AKB3128	5.0	1.3	3.2
MIDNIGHT	8.7	6.7	7.7	PST-T14-39	5.3	8.0	6.7				
RAD-1776	6.3	9.0	7.7	BAR PP 79366	8.0	5.0	6.5				
UNITED (NAI-13-14)	9.0	6.3	7.7	BLUE KNIGHT	5.3	7.7	6.5	LSD VALUE	1.1	1.5	0.9
AKB3179	7.7	7.3	7.5	NAI-14-128	5.0	8.0	6.5	C.V. (%)	10.5	12.3	11.6

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

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

TABLE 28.

TURF UNIFORMITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2019 DATA

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

NAME	NE1	NJ2	MEAN	NAME	NE1	NJ2	MEAN	NAME	NE1	NJ2	MEAN
A16-17	7.0	9.0	8.0	MIDNIGHT	7.0	7.0	7.0	PIVOT	6.7	5.3	6.0
BAR PP 79366	6.7	9.0	7.8	A10-280	6.7	7.0	6.8	COMANCHE (NAI-14-176)	7.0	4.7	5.8
DLFPS-340/3552	7.0	8.7	7.8	BAR PP 79494	7.0	6.7	6.8	HEARTLAND (NAI-14-187)	7.0	4.7	5.8
J-1138	7.0	8.7	7.8	CLOUD (GO-2425)	7.0	6.7	6.8	NAI-14-132	7.0	4.7	5.8
A11-26	7.0	8.3	7.7	DLFPS-340/3556	6.7	7.0	6.8	PST-K15-157	7.0	4.7	5.8
A13-1	7.0	8.3	7.7	DLFPS-340/3438	6.3	7.3	6.8	DLFPS-340/3548	6.7	4.7	5.7
BARSERATI (BAR PP 110358)	7.0	8.3	7.7	PST-K13-141	6.7	6.7	6.7	J-2726	6.7	4.7	5.7
BARVETTE HGT®	6.7	8.7	7.7	A16-7	7.0	6.3	6.7	DLFPS-340/3455	7.0	4.3	5.7
A99-2897	7.0	8.0	7.5	BAR PP 7309V	7.0	6.3	6.7	KH3492	7.0	4.3	5.7
BAR PP 71213	7.0	8.0	7.5	NK-1	6.3	7.0	6.7	MVS-130	7.0	4.3	5.7
BLUE GEM (NAI-13-9)	7.0	8.0	7.5	A11-40	7.0	6.0	6.5	PST-11-7	7.0	4.3	5.7
DLFPS-340/3553	7.0	8.0	7.5	AKB3179	7.0	6.0	6.5	RAD 553	7.0	4.3	5.7
AFTER MIDNIGHT	7.0	7.7	7.3	BAR PP 7K426	7.0	6.0	6.5	A16-2	7.0	4.0	5.5
BOMBAY (GO-22B23)	7.0	7.7	7.3	FINISH LINE (NAI-14-178)	7.0	6.0	6.5	DLFPS-340/3549	6.7	4.3	5.5
NURUSH (J-3510)	7.0	7.7	7.3	PST-K15-167	7.0	6.0	6.5	A11-38	7.0	3.3	5.2
PPG-KB 1131	7.0	7.7	7.3	SELWAY	7.0	6.0	6.5	ORION (PST-K13-143)	7.0	3.3	5.2
PPG-KB 1304	7.0	7.7	7.3	A06-8	7.0	5.7	6.3	RAD-1776	6.7	3.7	5.2
PST-T14-39	7.0	7.7	7.3	DLFPS-340/3446	7.0	5.7	6.3	AVIATOR II (NAI-15-84)	6.3	4.0	5.2
STARR (GO-2628)	7.0	7.7	7.3	J-1319	7.0	5.7	6.3	PROSPERITY	7.0	3.0	5.0
DLFPS-340/3500	6.7	7.7	7.2	NAI-14-122	7.0	5.7	6.3	DLFPS-340/3494	7.0	2.7	4.8
PST-K15-172	6.0	8.3	7.2	NAI-15-80	7.0	5.7	6.3	PALOMA (PST-K13-139)	7.0	2.3	4.7
BAR PP 7236V	7.0	7.3	7.2	PST-K11-118	7.0	5.7	6.3	A16-1	6.7	2.3	4.5
SKYE	7.0	7.3	7.2	TWILIGHT (NAI-13-132)	7.0	5.7	6.3	SHAMROCK	7.0	2.0	4.5
SYRAH (LTP-11-41)	7.0	7.3	7.2	DLFPS-340/3364	6.3	6.3	6.3	PPG-KB 1320	6.7	1.5	4.1
UNITED (NAI-13-14)	7.0	7.3	7.2	AMAZE (NAI-14-133)	6.7	5.7	6.2	BLUE KNIGHT	6.3	1.7	4.0
A15-6	6.7	7.3	7.0	YELLOWSTONE (A12-7)	6.7	5.7	6.2	DLFPS-340/3444	7.0	1.0	4.0
AKB3128	7.0	7.0	7.0	JERSEY (NAI-A16-3)	7.0	5.3	6.2	KENBLUE	5.7	1.0	3.3
AKB3241	6.7	7.3	7.0	NAI-14-128	7.0	5.3	6.2				
BLUE DEVIL	7.0	7.0	7.0	NEW MOON (PST-K15-177)	7.0	5.3	6.2				
DLFPS-340/3550	7.0	7.0	7.0	A12-34	6.7	5.3	6.0	LSD VALUE	0.5	2.0	1.0
DLFPS-340/3551	7.0	7.0	7.0	BABE	7.0	5.0	6.0	C.V. (%)	4.4	21.0	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 29.

DROUGHT TOLERANCE (WILTING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
AT LEXINGTON, KY 1/  
2019 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 2/

NAME	MAY	AUGUST	MEAN	NAME	MAY	AUGUST	MEAN	NAME	MAY	AUGUST	MEAN
NEW MOON (PST-K15-177)	7.0	7.0	7.0	DLFPS-340/3552	5.3	6.7	6.0	SYRAH (LTP-11-41)	5.7	5.3	5.5
DLFPS-340/3556	7.0	6.7	6.8	PIVOT	6.0	6.0	6.0	A16-2	5.0	5.7	5.3
DLFPS-340/3550	6.7	6.7	6.7	YELLOWSTONE (A12-7)	6.0	6.0	6.0	DLFPS-340/3494	5.3	5.3	5.3
PPG-KB 1304	6.3	7.0	6.7	A11-40	5.3	6.3	5.8	DLFPS-340/3548	5.7	5.0	5.3
DLFPS-340/3500	6.7	6.3	6.5	AFTER MIDNIGHT	7.0	4.7	5.8	JERSEY (NAI-A16-3)	5.7	5.0	5.3
MIDNIGHT	6.3	6.7	6.5	BLUE DEVIL	6.0	5.7	5.8	PALOMA (PST-K13-139)	5.7	5.0	5.3
NURUSH (J-3510)	6.3	6.7	6.5	DLFPS-340/3364	5.7	6.0	5.8	SHAMROCK	5.0	5.7	5.3
PROSPERITY	7.0	6.0	6.5	NAI-14-128	5.7	6.0	5.8	SKYE	5.0	5.7	5.3
A16-17	6.3	6.3	6.3	NK-1	5.7	6.0	5.8	A16-1	5.7	4.7	5.2
A16-7	6.3	6.3	6.3	PPG-KB 1320	6.3	5.3	5.8	AKB3128	5.7	4.7	5.2
BAR PP 79494	6.0	6.7	6.3	STARR (GO-2628)	6.0	5.7	5.8	AMAZE (NAI-14-133)	5.0	5.3	5.2
BLUE GEM (NAI-13-9)	6.3	6.3	6.3	A15-6	5.3	6.0	5.7	BAR PP 7309V	5.7	4.7	5.2
CLOUD (GO-2425)	6.3	6.3	6.3	AKB3179	6.0	5.3	5.7	DLFPS-340/3444	5.7	4.7	5.2
J-1138	6.7	6.0	6.3	COMANCHE (NAI-14-176)	5.0	6.3	5.7	PST-11-7	5.0	5.3	5.2
J-1319	7.0	5.7	6.3	MVS-130	5.7	5.7	5.7	RAD 553	5.3	5.0	5.2
PPG-KB 1131	6.0	6.7	6.3	NAI-14-132	5.7	5.7	5.7	BABE	5.0	5.0	5.0
PST-K15-167	6.0	6.7	6.3	ORION (PST-K13-143)	6.0	5.3	5.7	BAR PP 71213	5.0	5.0	5.0
A99-2897	5.7	6.7	6.2	PST-K13-141	5.7	5.7	5.7	BAR PP 7K426	6.0	4.0	5.0
BAR PP 79366	7.0	5.3	6.2	PST-K15-157	5.3	6.0	5.7	PST-T14-39	5.0	5.0	5.0
BARSERATI (BAR PP 110358)	6.0	6.3	6.2	PST-K15-172	6.0	5.3	5.7	SELWAY	5.3	4.7	5.0
DLFPS-340/3551	5.7	6.7	6.2	A10-280	5.0	6.0	5.5	BAR PP 7236V	5.3	4.3	4.8
DLFPS-340/3553	6.0	6.3	6.2	AVIATOR II (NAI-15-84)	6.0	5.0	5.5	HEARTLAND (NAI-14-187)	5.0	4.7	4.8
TWILIGHT (NAI-13-132)	6.3	6.0	6.2	BLUE KNIGHT	6.3	4.7	5.5	KENBLUE	5.0	4.7	4.8
UNITED (NAI-13-14)	6.7	5.7	6.2	DLFPS-340/3438	5.0	6.0	5.5	NAI-15-80	6.0	3.7	4.8
A06-8	6.3	5.7	6.0	DLFPS-340/3446	5.7	5.3	5.5	RAD-1776	5.0	4.7	4.8
A11-26	6.3	5.7	6.0	DLFPS-340/3549	5.3	5.7	5.5	BARVETTE HGT®	4.7	4.7	4.7
A11-38	6.0	6.0	6.0	FINISH LINE (NAI-14-178)	6.0	5.0	5.5	DLFPS-340/3455	5.0	4.3	4.7
A12-34	6.3	5.7	6.0	J-2726	6.7	4.3	5.5				
A13-1	6.3	5.7	6.0	KH3492	5.7	5.3	5.5				
AKB3241	5.7	6.3	6.0	NAI-14-122	6.0	5.0	5.5	LSD VALUE	0.7	1.3	0.7
BOMBAY (GO-22B23)	6.0	6.0	6.0	PST-K11-118	5.3	5.7	5.5	C.V. (%)	7.5	13.0	7.7

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 30.

SUMMER PATCH RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
AT RALEIGH, NC 1/  
2019 DATA

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

NAME	JUNE	AUGUST	MEAN	NAME	JUNE	AUGUST	MEAN	NAME	JUNE	AUGUST	MEAN
CLOUD (GO-2425)	9.0	8.0	8.5	PST-K15-167	9.0	6.0	7.5	SHAMROCK	9.0	4.3	6.7
NK-1	9.0	8.0	8.5	SKYE	8.3	6.7	7.5	DLFPS-340/3549	9.0	4.0	6.5
PST-K11-118	9.0	8.0	8.5	A06-8	9.0	5.7	7.3	HEARTLAND (NAI-14-187)	9.0	4.0	6.5
DLFPS-340/3551	9.0	7.7	8.3	AKB3128	8.3	6.3	7.3	ORION (PST-K13-143)	9.0	4.0	6.5
PST-K13-141	9.0	7.7	8.3	BAR PP 79494	7.3	7.3	7.3	A11-26	6.7	6.0	6.3
UNITED (NAI-13-14)	9.0	7.7	8.3	DLFPS-340/3444	8.3	6.3	7.3	AMAZE (NAI-14-133)	9.0	3.7	6.3
A16-7	9.0	7.3	8.2	DLFPS-340/3553	7.7	7.0	7.3	J-2726	8.3	4.3	6.3
AFTER MIDNIGHT	9.0	7.3	8.2	A10-280	7.7	6.7	7.2	PROSPERITY	9.0	3.7	6.3
BARSERATI (BAR PP 110358)	9.0	7.3	8.2	AKB3179	9.0	5.3	7.2	A11-40	8.3	4.0	6.2
BLUE GEM (NAI-13-9)	9.0	7.3	8.2	DLFPS-340/3364	9.0	5.3	7.2	PALOMA (PST-K13-139)	9.0	3.3	6.2
DLFPS-340/3550	8.3	8.0	8.2	DLFPS-340/3552	7.3	7.0	7.2	NAI-14-132	7.7	4.3	6.0
NURUSH (J-3510)	9.0	7.3	8.2	DLFPS-340/3556	8.3	6.0	7.2	NAI-15-80	7.7	4.3	6.0
A12-34	8.3	7.7	8.0	MIDNIGHT	8.3	6.0	7.2	NEW MOON (PST-K15-177)	8.0	4.0	6.0
A99-2897	9.0	7.0	8.0	PST-T14-39	8.3	6.0	7.2	PST-11-7	8.0	4.0	6.0
DLFPS-340/3455	9.0	7.0	8.0	BAR PP 7236V	8.3	5.7	7.0	AVIATOR II (NAI-15-84)	7.7	4.0	5.8
PPG-KB 1304	8.3	7.7	8.0	BAR PP 7309V	8.0	6.0	7.0	RAD 553	7.3	4.3	5.8
BARVETTE HGT®	7.7	8.0	7.8	JERSEY (NAI-A16-3)	9.0	5.0	7.0	A13-1	6.7	4.7	5.7
BLUE DEVIL	8.3	7.3	7.8	TWILIGHT (NAI-13-132)	8.0	6.0	7.0	DLFPS-340/3500	6.3	5.0	5.7
PIVOT	9.0	6.7	7.8	YELLOWSTONE (A12-7)	8.3	5.7	7.0	A16-17	6.0	5.0	5.5
PST-K15-157	9.0	6.7	7.8	COMANCHE (NAI-14-176)	9.0	4.7	6.8	RAD-1776	7.7	3.3	5.5
SELWAY	9.0	6.7	7.8	DLFPS-340/3494	8.0	5.7	6.8	KENBLUE	7.0	3.7	5.3
BABE	9.0	6.3	7.7	KH3492	7.3	6.3	6.8	A11-38	6.7	3.0	4.8
BAR PP 71213	8.3	7.0	7.7	SYRAH (LTP-11-41)	9.0	4.7	6.8	PPG-KB 1320	7.3	2.3	4.8
BOMBAY (GO-22B23)	9.0	6.3	7.7	A16-1	9.0	4.3	6.7	BLUE KNIGHT	6.3	2.7	4.5
J-1319	9.0	6.3	7.7	A16-2	9.0	4.3	6.7	FINISH LINE (NAI-14-178)	5.3	3.7	4.5
MVS-130	9.0	6.3	7.7	AKB3241	9.0	4.3	6.7				
PPG-KB 1131	8.3	7.0	7.7	BAR PP 79366	7.3	6.0	6.7				
STARR (GO-2628)	8.0	7.3	7.7	BAR PP 7K426	8.7	4.7	6.7	LSD VALUE	3.3	2.1	1.9
A15-6	8.3	6.7	7.5	DLFPS-340/3446	9.0	4.3	6.7	C.V. (%)	14.5	22.5	14.7
DLFPS-340/3438	9.0	6.0	7.5	NAI-14-122	8.3	5.0	6.7				
DLFPS-340/3548	8.3	6.7	7.5	NAI-14-128	9.0	4.3	6.7				
J-1138	9.0	6.0	7.5	PST-K15-172	9.0	4.3	6.7				

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

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

APPENDIX TABLE.

SUMMARY OF TURFGRASS QUALITY RATINGS FOR KENTUCKY BLUEGRASS CULTIVARS \*/  
2019 DATA  
TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF \*\*/

NAME	QUALITY	MAXIMUM	NAME	QUALITY	MAXIMUM	NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/		MEAN 1/	IN TOP 25% 2/		MEAN 1/	IN TOP 25% 2/
A06-8	5.5	11.8	BOMBAY (GO-22B23)	6.1	58.8	NEW MOON (PST-K15-177)	5.7	41.2
A10-280	5.6	29.4	CLOUD (GO-2425)	6.1	76.5	NK-1	5.2	5.9
A11-26	5.9	35.3	COMANCHE (NAI-14-176)	5.1	17.6	NURUSH (J-3510)	5.9	58.8
A11-38	5.4	29.4	DLFPS-340/3364	4.9	5.9	ORION (PST-K13-143)	5.3	11.8
A11-40	5.7	23.5	DLFPS-340/3438	5.3	11.8	PALOMA (PST-K13-139)	5.2	11.8
A12-34	5.3	0.0	DLFPS-340/3444	5.0	0.0	PIVOT	5.4	5.9
A13-1	5.6	29.4	DLFPS-340/3446	5.2	5.9	PPG-KB 1131	5.8	41.2
A15-6	5.3	5.9	DLFPS-340/3455	5.3	5.9	PPG-KB 1304	6.0	35.3
A16-1	5.0	0.0	DLFPS-340/3494	5.3	11.8	PPG-KB 1320	5.1	11.8
A16-17	5.7	23.5	DLFPS-340/3500	5.7	35.3	PROSPERITY	5.5	29.4
A16-2	5.5	11.8	DLFPS-340/3548	5.2	5.9	PST-11-7	5.4	23.5
A16-7	5.4	23.5	DLFPS-340/3549	5.3	17.6	PST-K11-118	5.9	41.2
A99-2897	5.7	41.2	DLFPS-340/3550	6.0	58.8	PST-K13-141	5.4	5.9
AFTER MIDNIGHT	6.0	52.9	DLFPS-340/3551	5.6	23.5	PST-K15-157	5.3	17.6
AKB3128	5.6	17.6	DLFPS-340/3552	5.6	17.6	PST-K15-167	5.4	17.6
AKB3179	5.6	41.2	DLFPS-340/3553	5.6	29.4	PST-K15-172	5.7	23.5
AKB3241	5.6	17.6	DLFPS-340/3556	5.7	52.9	PST-T14-39	5.6	23.5
AMAZE (NAI-14-133)	5.1	5.9	FINISH LINE (NAI-14-178)	5.7	29.4	RAD 553	5.2	17.6
AVIATOR II (NAI-15-84)	5.1	17.6	HEARTLAND (NAI-14-187)	5.1	5.9	RAD-1776	5.2	11.8
BABE	5.4	11.8	J-1138	6.0	64.7	SELWAY	5.4	11.8
BAR PP 71213	5.5	29.4	J-1319	5.6	35.3	SHAMROCK	5.1	5.9
BAR PP 7236V	5.5	23.5	J-2726	5.6	23.5	SKYE	5.9	52.9
BAR PP 7309V	5.5	17.6	JERSEY (NAI-A16-3)	5.6	5.9	STARR (GO-2628)	6.2	64.7
BAR PP 79366	5.8	41.2	KENBLUE	4.5	0.0	SYRAH (LTP-11-41)	5.7	17.6
BAR PP 79494	5.8	52.9	KH3492	5.6	23.5	TWILIGHT (NAI-13-132)	5.7	47.1
BAR PP 7K426	5.5	17.6	MIDNIGHT	5.7	35.3	UNITED (NAI-13-14)	5.8	35.3
BARSERATI (BAR PP 110358)	6.0	58.8	MVS-130	5.3	5.9	YELLOWSTONE (A12-7)	5.7	23.5
BARVETTE HGT®	5.7	23.5	NAI-14-122	5.3	11.8			
BLUE DEVIL	5.7	35.3	NAI-14-128	5.4	23.5			
BLUE GEM (NAI-13-9)	5.8	52.9	NAI-14-132	5.2	17.6	LSD VALUE	0.3	
BLUE KNIGHT	4.8	0.0	NAI-15-80	5.1	17.6	C.V. (%)	12.1	

\*/ 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).

\*\*/ 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.