

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, one member from the Sports Turf Managers Association of America (STMA), 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 2021

State	Location	Code
Connecticut	Storrs	CT1
Indiana	West Lafayette	IN1
Indiana	West Lafayette (Billbug Study)	IN2
Iowa	Ames	IA1
Iowa	Ames (Shade)	IA2
Maryland	College Park	MD1
Massachusetts	Amherst (Traffic Stress)	MA1
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 Summer)	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)	Fusion Seed
*3	Blue Magic (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	Electric (PST-K11-118)	The Scotts Company
*5	Blue Knight	Bailey Seed & Grain	*44	Blue Devil	Columbia Seeds	* 83	Dublin (PST-K15-157)	SiteOne Landscape Supply
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)	Rose Agri-Seed
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	Barenbrus USA	54	DLFPS-340/3500	DLF Pickseed USA			
16	J-1138	Barenbrus USA	55	DLFPS-340/3438	DLF Pickseed USA			
17	J-1319	Barenbrus USA	56	DLFPS-340/3549	DLF Pickseed USA			
18	J-2726	Barenbrus USA	57	DLFPS-340/3548	DLF Pickseed USA			
*19	NuRush (J-3510)	Barenbrus USA	58	DLFPS-340/3444	DLF Pickseed USA			
20	BAR PP 71213	Barenbrus USA	59	DLFPS-340/3455	DLF Pickseed USA			
21	BAR PP 7309V	Barenbrus USA	60	DLFPS-340/3550	DLF Pickseed USA			
22	BAR PP 79366	Barenbrus USA	61	DLFPS-340/3551	DLF Pickseed USA			
*23	Barvette HGT®	Standard	62	DLFPS-340/3552	DLF Pickseed USA			
24	BAR PP 7K426	Barenbrus USA	63	MVS-130	Mountain View Seeds			
25	BAR PP 7236V	Barenbrus USA	64	A16-1	Mountain View Seeds			
26	BAR PP 79494	Barenbrus USA	65	A16-7	Mountain View Seeds			
*27	Barserati (BAR PP 110358)	Barenbrus USA	66	A12-34	Mountain View Seeds			
28	RAD-1776	Barenbrus USA	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	Acoustic (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, LLC			
37	NAI-14-132	Columbia River Seed	76	A16-17	Peak Plant Genetics, LLC			
*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 2022

TABLE A.

2021 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
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 LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	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
IN2	-	-	-	-	-	FULL SUN	2.1-2.5	TO PREVENT STRESS
MA1	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	2.6-3.0	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	SANDY 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	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	LOAM	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OK1	LOAM	7.1-7.5	61-150	241-375	2.1-3.0	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	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2021

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
CT1				X	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	
IN1				X	X	X	X	X	X	X	X			X	
IN2															
MA1				X	X	X	X	X	X	X	X				
MD1					X	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		X
ND1					X	X	X	X	X	X	X		X		
NE1				X	X	X	X	X	X	X			X	X	X
NJ1				X	X	X	X	X	X	X			X	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
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
VA1				X	X	X	X	X	X	X					

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2021

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DROUGHT TOLERANCE WILTING	STEM RUST	DOLLAR SPOT	SUMMER PATCH	BILLBUG DAMAGE	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	SEEDHEAD RATINGS	UNIFORMITY RATINGS	MORE SUMMER PATCH
CT1		X															
IA1																	
IA2	X	X	X									X	X	X			
IN1								X	X						X		
IN2											X						
* MA1																	
MD1																	
MI1			X													X	
MN1			X														
NC1		X								X							X
ND1				X	X	X											
NE1			X													X	
NJ1							X										
NJ2			X			X	X										
* NJ3																	
OK1		X	X	X	X	X											
TN1	X	X	X	X	X	X											
UT1		X															
VA1				X		X											

* MORE TRAFFIC DATA FOR MA1 AND NJ3 IN TABLE 11 AND 12.

TABLE 1.

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	ENTRY #	CT1	NJ1	MD1	TN1	OK1	NE1	UT1	MEAN
* BOMBAY (GO-22B23)	46	6.4	7.6	7.2	7.3	5.3	6.6	5.6	6.6
* BLUE GEM (NAI-13-9)	32	6.4	7.2	7.2	7.2	5.3	6.6	5.6	6.5
* MIDNIGHT	88	6.3	7.4	7.1	7.1	5.2	6.5	5.5	6.4
* ACOUSTIC (PPG-KB 1131)	70	6.3	8.0	7.0	6.9	5.0	6.4	5.4	6.4
* CLOUD (GO-2425)	48	6.3	6.9	7.1	7.3	5.3	6.6	5.6	6.4
* STARR (GO-2628)	47	6.2	7.1	7.0	7.2	5.3	6.5	5.5	6.4
* BARSERATI (BAR PP 110358)	27	6.1	6.9	6.9	7.2	5.2	6.4	5.4	6.3
* SKYE	45	6.1	6.1	7.0	7.3	5.3	6.5	5.5	6.3
* TWILIGHT (NAI-13-132)	30	6.2	6.9	6.9	7.0	5.0	6.4	5.4	6.3
J-1138	16	6.0	6.7	6.9	7.1	5.1	6.3	5.3	6.2
A11-40	1	6.1	6.9	6.8	6.9	4.9	6.3	5.3	6.2
* ELECTRIC (PST-K11-118)	82	6.0	5.7	6.9	7.3	5.3	6.5	5.5	6.2
* AFTER MIDNIGHT	15	6.1	7.4	6.8	6.7	4.7	6.3	5.2	6.2
* BLUE DEVIL	44	6.0	7.3	6.8	6.8	4.8	6.2	5.2	6.2
BAR PP 79494	26	6.0	6.1	6.9	7.1	5.1	6.4	5.4	6.1
* UNITED (NAI-13-14)	33	6.0	6.4	6.8	7.0	5.0	6.3	5.3	6.1
* NURUSH (J-3510)	19	6.0	6.6	6.8	6.9	5.0	6.3	5.2	6.1
* NEW MOON (PST-K15-177)	86	6.2	7.6	6.8	6.4	4.4	6.2	5.1	6.1
BAR PP 7236V	25	5.9	5.5	6.8	7.2	5.2	6.4	5.4	6.1
KH3492	13	6.0	5.3	6.8	7.2	5.1	6.5	5.4	6.0
A16-2	73	6.0	6.0	6.8	7.0	4.9	6.3	5.3	6.0
DLFPS-340/3550	60	5.8	6.4	6.7	6.9	5.0	6.2	5.2	6.0
PST-K15-172	87	5.8	6.3	6.7	6.9	4.9	6.2	5.2	6.0
* SYRAH (LTP-11-41)	4	5.8	5.6	6.7	7.1	5.1	6.3	5.3	6.0
DLFPS-340/3552	62	5.8	5.5	6.7	7.2	5.2	6.3	5.3	6.0
PPG-KB 1304	74	5.7	5.4	6.7	7.2	5.2	6.3	5.3	6.0
PST-11-7	84	6.1	7.1	6.7	6.4	4.3	6.2	5.0	6.0
* BARVETTE HGT®	23	5.8	5.2	6.7	7.2	5.2	6.3	5.3	6.0
* JERSEY (NAI-A16-3)	29	5.9	6.0	6.7	6.9	4.9	6.2	5.2	6.0
* PROSPERITY	77	6.0	6.2	6.7	6.7	4.6	6.2	5.1	5.9
* BABE	8	5.9	5.5	6.7	7.0	5.0	6.3	5.2	5.9
* FINISH LINE (NAI-14-178)	40	5.9	5.3	6.7	7.0	5.0	6.3	5.2	5.9
BAR PP 7K426	24	5.8	5.7	6.6	6.9	4.9	6.2	5.1	5.9
* PIVOT	43	5.8	6.0	6.6	6.7	4.7	6.1	5.0	5.9
AKB3241	11	5.8	4.6	6.7	7.2	5.0	6.4	5.3	5.9
PST-K13-141	81	5.8	4.5	6.7	7.2	5.1	6.3	5.3	5.8
A10-280	71	5.7	5.2	6.6	7.0	5.0	6.2	5.2	5.8
DLFPS-340/3553	52	5.7	4.9	6.6	7.1	5.1	6.2	5.2	5.8
DLFPS-340/3494	53	5.9	6.0	6.6	6.6	4.5	6.2	5.0	5.8
* ORION (PST-K13-143)	35	5.7	5.6	6.6	6.8	4.8	6.1	5.1	5.8
DLFPS-340/3500	54	5.7	5.1	6.6	7.0	5.0	6.2	5.2	5.8
A06-8	78	5.8	4.9	6.6	7.0	4.9	6.3	5.2	5.8
* SHAMROCK	72	5.9	5.0	6.6	6.9	4.8	6.3	5.2	5.8
AKB3179	10	5.7	4.8	6.6	7.1	5.0	6.3	5.2	5.8
AKB3128	9	5.6	4.8	6.6	7.1	5.0	6.2	5.2	5.8
* SELWAY	7	5.6	5.9	6.5	6.7	4.7	6.0	4.9	5.7
DLFPS-340/3551	61	5.6	4.8	6.5	7.0	4.9	6.1	5.1	5.7
A13-1	2	5.5	4.2	6.5	7.2	5.2	6.2	5.2	5.7
* BLUE MAGIC (A99-2897)	3	5.5	4.5	6.5	7.1	5.1	6.1	5.1	5.7
RAD-1776	28	5.6	4.2	6.5	7.1	5.0	6.2	5.2	5.7
A11-26	67	5.5	4.6	6.4	7.0	5.0	6.0	5.0	5.7

TABLE 1.
(CONT'D)

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2021 DATA

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

NAME	ENTRY #	CT1	NJ1	MD1	TN1	OK1	NE1	UT1	MEAN
BAR PP 7309V	21	5.6	4.7	6.4	6.9	4.8	6.1	5.0	5.6
BAR PP 79366	22	5.4	4.4	6.4	7.1	5.0	6.0	5.1	5.6
* YELLOWSTONE (A12-7)	14	5.7	3.4	6.6	7.2	5.0	6.4	5.2	5.6
PST-T14-39	89	5.6	4.9	6.4	6.8	4.7	6.0	5.0	5.6
PPG-KB 1320	68	5.7	5.4	6.4	6.4	4.3	6.0	4.8	5.6
DLFPS-340/3455	59	5.5	4.3	6.4	6.9	4.8	6.1	5.0	5.6
DLFPS-340/3548	57	5.5	4.8	6.4	6.7	4.6	6.0	4.9	5.6
A16-7	65	5.5	4.6	6.4	6.8	4.7	6.0	4.9	5.6
A15-6	75	5.4	4.5	6.3	6.9	4.8	6.0	5.0	5.6
* PALOMA (PST-K13-139)	80	5.6	4.7	6.4	6.6	4.5	6.0	4.9	5.5
NAI-14-128	36	5.5	4.0	6.4	6.9	4.8	6.1	5.0	5.5
DLFPS-340/3444	58	5.5	4.0	6.4	6.9	4.8	6.1	5.0	5.5
J-2726	18	5.5	4.8	6.3	6.6	4.5	6.0	4.9	5.5
DLFPS-340/3438	55	5.4	4.0	6.3	7.0	4.9	6.0	5.0	5.5
* DUBLIN (PST-K15-157)	83	5.6	3.6	6.4	7.0	4.8	6.2	5.1	5.5
A16-17	76	5.3	3.6	6.3	7.2	5.1	6.0	5.1	5.5
NAI-14-122	34	5.5	3.3	6.4	7.1	4.9	6.2	5.1	5.5
A11-38	69	5.6	3.6	6.4	6.9	4.7	6.2	5.0	5.5
A12-34	66	5.4	4.3	6.3	6.8	4.7	6.0	4.9	5.5
A16-1	64	5.5	2.8	6.4	7.2	4.9	6.3	5.2	5.5
DLFPS-340/3549	56	5.4	4.0	6.3	6.9	4.7	6.0	4.9	5.5
NAI-14-132	37	5.5	3.1	6.4	7.0	4.8	6.2	5.1	5.4
* COMANCHE (NAI-14-176)	39	5.5	3.3	6.4	7.0	4.8	6.2	5.1	5.4
J-1319	17	5.4	5.7	6.2	6.2	4.2	5.7	4.6	5.4
DLFPS-340/3556	51	5.3	3.7	6.3	7.0	4.9	6.0	5.0	5.4
MVS-130	63	5.4	3.1	6.3	7.0	4.9	6.1	5.1	5.4
RAD 553	6	5.4	3.6	6.3	6.9	4.8	6.1	5.0	5.4
NAI-15-80	31	5.5	2.9	6.4	7.1	4.9	6.2	5.1	5.4
PST-K15-167	85	5.4	5.1	6.2	6.4	4.4	5.8	4.7	5.4
DLFPS-340/3446	50	5.4	3.5	6.3	7.0	4.8	6.0	5.0	5.4
* AVIATOR II (NAI-15-84)	42	5.5	3.4	6.3	6.9	4.7	6.1	5.0	5.4
DLFPS-340/3364	49	5.2	3.7	6.2	6.8	4.7	5.9	4.8	5.3
* AMAZE (NAI-14-133)	38	5.3	2.8	6.2	7.0	4.8	6.0	5.0	5.3
* HEARTLAND (NAI-14-187)	41	5.3	3.5	6.2	6.7	4.5	5.9	4.8	5.3
BAR PP 71213	20	5.2	3.2	6.1	6.8	4.7	5.9	4.8	5.2
NK-1	12	5.1	2.7	6.1	7.0	4.8	5.9	4.9	5.2
* BLUE KNIGHT	5	5.1	3.2	6.0	6.6	4.4	5.7	4.7	5.1
* KENBLUE	79	4.9	3.4	5.8	6.5	4.4	5.5	4.5	5.0
LSD VALUE		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
C.V. (%)		12.5	14.1	10.9	10.3	14.6	11.6	13.9	12.4

* COMMERCIALY AVAILABLE IN THE USA IN 2022

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

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

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

TABLE 2. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2021 DATA

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

NAME	ENTRY #	NJ2	VA1	NC1	MEAN
BARSERATI (BAR PP 110358)	27	7.1	7.4	5.0	6.5
PPG-KB 1304	74	7.0	7.2	4.8	6.3
STARR (GO-2628)	47	6.7	7.3	4.9	6.3
BOMBAY (GO-22B23)	46	6.5	7.3	5.0	6.3
SKYE	45	6.3	7.1	4.7	6.0
CLOUD (GO-2425)	48	6.2	7.1	4.8	6.0
A13-1	2	6.6	6.8	4.5	6.0
BARVETTE HGT®	23	6.4	6.9	4.6	6.0
SYRAH (LTP-11-41)	4	6.4	6.9	4.6	6.0
A16-17	76	6.6	6.8	4.5	6.0
BAR PP 79366	22	6.5	6.8	4.5	5.9
J-1138	16	6.2	7.0	4.6	5.9
DLFPS-340/3550	60	6.3	6.9	4.6	5.9
DLFPS-340/3552	62	6.3	6.9	4.6	5.9
BLUE MAGIC (A99-2897)	3	6.5	6.8	4.5	5.9
BLUE GEM (NAI-13-9)	32	5.9	7.0	4.7	5.8
BAR PP 7236V	25	6.1	6.8	4.5	5.8
MIDNIGHT	88	5.8	6.9	4.6	5.8
DLFPS-340/3553	52	6.2	6.8	4.5	5.8
ACOUSTIC (PPG-KB 1131)	70	5.8	6.9	4.6	5.8
PST-K15-172	87	5.9	6.7	4.4	5.7
A11-26	67	6.1	6.6	4.3	5.7
ELECTRIC (PST-K11-118)	82	5.8	6.8	4.5	5.7
NURUSH (J-3510)	19	5.8	6.7	4.4	5.7
BLUE DEVIL	44	5.7	6.7	4.4	5.6
UNITED (NAI-13-14)	33	5.6	6.7	4.4	5.5
DLFPS-340/3500	54	5.7	6.5	4.3	5.5
BAR PP 79494	26	5.5	6.6	4.3	5.5
A11-40	1	5.5	6.6	4.3	5.5
AKB3128	9	5.6	6.5	4.2	5.4
BAR PP 7K426	24	5.4	6.5	4.2	5.4
A15-6	75	5.6	6.3	4.1	5.3
DLFPS-340/3551	61	5.5	6.4	4.1	5.3
A10-280	71	5.4	6.4	4.1	5.3
DLFPS-340/3556	51	5.5	6.2	4.0	5.2
PST-K13-141	81	5.2	6.4	4.1	5.2
TWILIGHT (NAI-13-132)	30	5.0	6.5	4.2	5.2
SELWAY	7	5.3	6.3	4.0	5.2
JERSEY (NAI-A16-3)	29	5.0	6.3	4.0	5.1
KH3492	13	4.8	6.3	4.0	5.1
DLFPS-340/3438	55	5.1	6.1	3.9	5.0
BABE	8	4.9	6.2	4.0	5.0
A16-2	73	4.7	6.2	4.0	5.0
AKB3179	10	4.8	6.1	3.9	4.9
RAD-1776	28	4.8	6.1	3.9	4.9
FINISH LINE (NAI-14-178)	40	4.7	6.1	3.9	4.9
ORION (PST-K13-143)	35	4.7	6.1	3.9	4.9
A06-8	78	4.7	6.1	3.9	4.9
AFTER MIDNIGHT	15	4.5	6.2	3.9	4.9
AKB3241	11	4.6	6.1	3.9	4.8
DLFPS-340/3364	49	4.8	5.9	3.6	4.8
NK-1	12	4.8	5.8	3.6	4.7

TABLE 2. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
(CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/					
NAME	ENTRY #	NJ2	VA1	NC1	MEAN
DLFPS-340/3446	50	4.7	5.9	3.6	4.7
BAR PP 7309V	21	4.5	5.9	3.7	4.7
DLFPS-340/3455	59	4.5	5.9	3.6	4.7
DLFPS-340/3549	56	4.6	5.8	3.6	4.7
A12-34	66	4.5	5.8	3.6	4.6
PST-T14-39	89	4.3	5.8	3.6	4.6
PIVOT	43	4.2	5.9	3.6	4.6
KENBLUE	79	4.6	5.6	3.4	4.5
BAR PP 71213	20	4.4	5.7	3.4	4.5
DLFPS-340/3548	57	4.2	5.8	3.5	4.5
DLFPS-340/3444	58	4.2	5.7	3.5	4.5
A16-7	65	4.2	5.7	3.5	4.5
NAI-14-122	34	4.2	5.7	3.5	4.5
AMAZE (NAI-14-133)	38	4.2	5.6	3.4	4.4
NAI-14-128	36	4.0	5.7	3.4	4.4
MVS-130	63	4.0	5.6	3.4	4.3
RAD 553	6	4.0	5.6	3.4	4.3
NAI-15-80	31	3.7	5.5	3.3	4.2
PST-K15-167	85	3.8	5.5	3.2	4.2
PROSPERITY	77	3.4	5.6	3.4	4.1
SHAMROCK	72	3.5	5.6	3.4	4.1
A16-1	64	3.6	5.5	3.3	4.1
J-2726	18	3.6	5.5	3.3	4.1
DUBLIN (PST-K15-157)	83	3.4	5.4	3.2	4.0
NAI-14-132	37	3.4	5.4	3.2	4.0
PALOMA (PST-K13-139)	80	3.4	5.4	3.2	4.0
YELLOWSTONE (A12-7)	14	3.3	5.4	3.2	4.0
BLUE KNIGHT	5	3.6	5.2	3.0	3.9
J-1319	17	3.4	5.3	3.1	3.9
HEARTLAND (NAI-14-187)	41	3.4	5.3	3.1	3.9
COMANCHE (NAI-14-176)	39	3.3	5.3	3.1	3.9
A11-38	69	3.1	5.2	3.1	3.8
AVIATOR II (NAI-15-84)	42	3.0	5.1	3.0	3.7
NEW MOON (PST-K15-177)	86	2.4	5.2	3.0	3.6
DLFPS-340/3494	53	2.5	5.1	3.0	3.5
PPG-KB 1320	68	2.3	4.9	2.8	3.3
PST-11-7	84	1.7	4.9	2.7	3.1
LSD VALUE		1.1	1.1	1.1	1.1
C.V. (%)		14.7	11.6	18.4	14.4

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

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

TABLE 3. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2021 DATA

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

NAME	ENTRY #	MN1	IA1	ND1	MEAN
YELLOWSTONE (A12-7)	14	5.1	5.3	7.1	5.8
A16-1	64	5.0	5.4	7.0	5.8
KH3492	13	5.0	5.2	6.9	5.7
ELECTRIC (PST-K11-118)	82	5.0	5.3	6.8	5.7
AKB3241	11	4.9	5.2	6.9	5.7
NAI-15-80	31	4.9	5.3	6.9	5.7
SKYE	45	5.0	5.3	6.8	5.7
BLUE GEM (NAI-13-9)	32	5.0	5.1	6.9	5.7
NAI-14-132	37	4.9	5.2	6.9	5.7
PST-K13-141	81	4.9	5.3	6.8	5.7
CLOUD (GO-2425)	48	5.0	5.2	6.8	5.6
NAI-14-122	34	4.9	5.2	6.8	5.6
COMANCHE (NAI-14-176)	39	4.9	5.1	6.9	5.6
BOMBAY (GO-22B23)	46	5.0	5.1	6.8	5.6
A11-38	69	4.8	5.1	6.9	5.6
DUBLIN (PST-K15-157)	83	4.8	5.1	6.8	5.6
MVS-130	63	4.8	5.2	6.8	5.6
BAR PP 7236V	25	4.9	5.2	6.7	5.6
SHAMROCK	72	4.8	5.0	6.9	5.6
BAR PP 79494	26	4.9	5.1	6.7	5.6
MIDNIGHT	88	4.9	5.0	6.8	5.6
FINISH LINE (NAI-14-178)	40	4.8	5.1	6.8	5.6
RAD-1776	28	4.8	5.1	6.7	5.6
AVIATOR II (NAI-15-84)	42	4.8	5.0	6.8	5.5
AKB3179	10	4.8	5.1	6.7	5.5
BARVETTE HGT®	23	4.8	5.2	6.6	5.5
A06-8	78	4.8	5.1	6.7	5.5
AMAZE (NAI-14-133)	38	4.8	5.2	6.6	5.5
BABE	8	4.8	5.0	6.7	5.5
STARR (GO-2628)	47	4.8	5.1	6.6	5.5
A16-2	73	4.8	5.0	6.7	5.5
TWILIGHT (NAI-13-132)	30	4.8	4.9	6.7	5.5
DLFPS-340/3552	62	4.8	5.1	6.5	5.5
A13-1	2	4.7	5.2	6.4	5.5
RAD 553	6	4.7	5.0	6.6	5.5
NAI-14-128	36	4.7	5.0	6.7	5.5
PPG-KB 1304	74	4.8	5.2	6.4	5.5
DLFPS-340/3553	52	4.7	5.1	6.5	5.4
DLFPS-340/3444	58	4.7	5.0	6.6	5.4
A10-280	71	4.7	5.0	6.6	5.4
SYRAH (LTP-11-41)	4	4.7	5.1	6.5	5.4
AKB3128	9	4.7	5.1	6.5	5.4
UNITED (NAI-13-14)	33	4.7	4.9	6.6	5.4
DLFPS-340/3446	50	4.7	5.1	6.5	5.4
BARSERATI (BAR PP 110358)	27	4.8	5.0	6.5	5.4
J-1138	16	4.7	4.9	6.5	5.4
DLFPS-340/3500	54	4.7	5.0	6.5	5.4
DLFPS-340/3455	59	4.7	5.0	6.6	5.4
PROSPERITY	77	4.7	4.7	6.8	5.4
BLUE MAGIC (A99-2897)	3	4.7	5.1	6.4	5.4
NK-1	12	4.6	5.1	6.4	5.4
A16-17	76	4.7	5.2	6.3	5.4

TABLE 3. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
(CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2021 DATA

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

NAME	ENTRY #	MN1	IA1	ND1	MEAN
JERSEY (NAI-A16-3)	29	4.7	4.9	6.6	5.4
BAR PP 7309V	21	4.6	4.9	6.5	5.4
DLFPS-340/3494	53	4.7	4.6	6.8	5.4
DLFPS-340/3438	55	4.6	5.0	6.5	5.4
DLFPS-340/3551	61	4.6	5.0	6.5	5.4
ACOUSTIC (PPG-KB 1131)	70	4.7	4.8	6.6	5.4
A11-40	1	4.7	4.8	6.6	5.4
BAR PP 7K426	24	4.6	4.9	6.5	5.3
NURUSH (J-3510)	19	4.7	4.9	6.5	5.3
DLFPS-340/3549	56	4.6	4.9	6.5	5.3
DLFPS-340/3556	51	4.6	5.0	6.4	5.3
HEARTLAND (NAI-14-187)	41	4.6	4.8	6.5	5.3
ORION (PST-K13-143)	35	4.6	4.8	6.5	5.3
BAR PP 79366	22	4.6	5.0	6.3	5.3
A16-7	65	4.6	4.8	6.5	5.3
PST-11-7	84	4.6	4.4	6.9	5.3
PALOMA (PST-K13-139)	80	4.6	4.7	6.6	5.3
A11-26	67	4.6	5.0	6.3	5.3
PST-T14-39	89	4.6	4.8	6.5	5.3
PIVOT	43	4.6	4.7	6.6	5.3
BAR PP 71213	20	4.5	4.9	6.4	5.3
AFTER MIDNIGHT	15	4.6	4.6	6.6	5.3
A12-34	66	4.5	4.8	6.4	5.3
NEW MOON (PST-K15-177)	86	4.6	4.4	6.8	5.3
PST-K15-172	87	4.6	4.8	6.4	5.3
DLFPS-340/3550	60	4.6	4.8	6.3	5.3
DLFPS-340/3548	57	4.5	4.7	6.4	5.2
J-2726	18	4.5	4.7	6.5	5.2
DLFPS-340/3364	49	4.5	4.9	6.3	5.2
A15-6	75	4.5	4.9	6.3	5.2
PPG-KB 1320	68	4.5	4.5	6.6	5.2
BLUE DEVIL	44	4.5	4.7	6.4	5.2
BLUE KNIGHT	5	4.4	4.7	6.3	5.2
SELWAY	7	4.4	4.6	6.3	5.1
PST-K15-167	85	4.3	4.4	6.3	5.0
KENBLUE	79	4.2	4.5	6.0	4.9
J-1319	17	4.2	4.2	6.2	4.9
LSD VALUE		1.1	1.1	1.1	1.1
C.V. (%)		15.2	14.4	10.8	13.2

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

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

TABLE 4. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2021 DATA

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

NAME	ENTRY #	IN1	MI1	MEAN
PPG-KB 1304	74	6.2	6.9	6.5
BARSERATI (BAR PP 110358)	27	6.1	6.9	6.5
A13-1	2	6.1	6.8	6.5
A16-17	76	6.2	6.7	6.5
SKYE	45	6.1	6.8	6.4
STARR (GO-2628)	47	6.0	6.8	6.4
BOMBAY (GO-22B23)	46	6.0	6.8	6.4
BARVETTE HGT®	23	6.1	6.8	6.4
BLUE MAGIC (A99-2897)	3	6.0	6.7	6.4
CLOUD (GO-2425)	48	5.9	6.8	6.3
BAR PP 79366	22	6.0	6.7	6.3
BAR PP 7236V	25	6.0	6.7	6.3
SYRAH (LTP-11-41)	4	6.0	6.7	6.3
DLFPS-340/3552	62	6.0	6.7	6.3
DLFPS-340/3553	52	5.9	6.6	6.3
ELECTRIC (PST-K11-118)	82	5.9	6.7	6.3
BLUE GEM (NAI-13-9)	32	5.8	6.7	6.2
J-1138	16	5.8	6.6	6.2
A11-26	67	5.8	6.5	6.2
MIDNIGHT	88	5.7	6.6	6.1
DLFPS-340/3550	60	5.7	6.5	6.1
PST-K13-141	81	5.8	6.5	6.1
AKB3128	9	5.7	6.5	6.1
DLFPS-340/3500	54	5.7	6.5	6.1
BAR PP 79494	26	5.7	6.5	6.1
DLFPS-340/3556	51	5.7	6.4	6.0
PST-K15-172	87	5.6	6.4	6.0
UNITED (NAI-13-14)	33	5.6	6.4	6.0
NURUSH (J-3510)	19	5.6	6.4	6.0
DLFPS-340/3551	61	5.6	6.4	6.0
A10-280	71	5.6	6.4	6.0
KH3492	13	5.6	6.4	6.0
ACOUSTIC (PPG-KB 1131)	70	5.5	6.4	6.0
A15-6	75	5.6	6.3	5.9
BAR PP 7K426	24	5.5	6.3	5.9
RAD-1776	28	5.5	6.3	5.9
AKB3241	11	5.5	6.3	5.9
DLFPS-340/3438	55	5.5	6.3	5.9
A11-40	1	5.4	6.3	5.9
AKB3179	10	5.5	6.3	5.9
NK-1	12	5.5	6.2	5.9
BABE	8	5.4	6.3	5.9
BLUE DEVIL	44	5.4	6.3	5.9
A06-8	78	5.4	6.2	5.8
TWILIGHT (NAI-13-132)	30	5.4	6.3	5.8
FINISH LINE (NAI-14-178)	40	5.4	6.2	5.8
DLFPS-340/3446	50	5.4	6.1	5.8
JERSEY (NAI-A16-3)	29	5.4	6.2	5.8
NAI-14-122	34	5.4	6.1	5.8
A16-2	73	5.3	6.2	5.8
AMAZE (NAI-14-133)	38	5.4	6.1	5.7
DLFPS-340/3364	49	5.4	6.1	5.7
A16-1	64	5.3	6.1	5.7

TABLE 4. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
(CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2021 DATA

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

NAME	ENTRY #	IN1	MI1	MEAN
MVS-130	63	5.3	6.1	5.7
DLFPS-340/3455	59	5.3	6.1	5.7
SELWAY	7	5.3	6.1	5.7
DLFPS-340/3549	56	5.3	6.0	5.7
NAI-15-80	31	5.3	6.0	5.7
BAR PP 7309V	21	5.3	6.1	5.7
ORION (PST-K13-143)	35	5.2	6.1	5.7
DLFPS-340/3444	58	5.3	6.0	5.6
BAR PP 71213	20	5.3	6.0	5.6
YELLOWSTONE (A12-7)	14	5.2	6.0	5.6
A12-34	66	5.2	6.0	5.6
RAD 553	6	5.2	6.0	5.6
NAI-14-128	36	5.2	6.0	5.6
NAI-14-132	37	5.2	5.9	5.5
PST-T14-39	89	5.1	5.9	5.5
A16-7	65	5.1	5.9	5.5
DUBLIN (PST-K15-157)	83	5.1	5.9	5.5
AFTER MIDNIGHT	15	5.0	6.0	5.5
DLFPS-340/3548	57	5.1	5.9	5.5
COMANCHE (NAI-14-176)	39	5.1	5.9	5.5
KENBLUE	79	5.1	5.8	5.4
PIVOT	43	5.0	5.9	5.4
SHAMROCK	72	5.0	5.9	5.4
A11-38	69	5.0	5.8	5.4
AVIATOR II (NAI-15-84)	42	4.9	5.7	5.3
HEARTLAND (NAI-14-187)	41	4.9	5.7	5.3
J-2726	18	4.8	5.7	5.3
BLUE KNIGHT	5	4.9	5.6	5.3
PROSPERITY	77	4.7	5.7	5.2
PALOMA (PST-K13-139)	80	4.8	5.6	5.2
PST-K15-167	85	4.7	5.6	5.1
DLFPS-340/3494	53	4.4	5.4	4.9
J-1319	17	4.4	5.3	4.9
PPG-KB 1320	68	4.3	5.3	4.8
NEW MOON (PST-K15-177)	86	4.2	5.3	4.7
PST-11-7	84	4.0	5.1	4.5
LSD VALUE		1.1	1.1	1.1
C.V. (%)		13.2	11.5	12.3

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

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

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

TABLE 5.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	CT1	IA1	MI1	NC1	ND1	NE1	NJ1	NJ2	OK1	TN1	VA1	MEAN
BOMBAY (GO-22B23)	5.8	5.2	7.4	4.6	6.5	6.4	7.8	6.3	5.3	7.3	7.4	6.2
STARR (GO-2628)	6.0	5.0	6.7	4.4	6.5	6.2	7.0	6.6	5.1	6.8	8.1	6.2
CLOUD (GO-2425)	5.9	5.4	6.6	4.6	6.0	6.6	7.0	5.7	5.1	7.5	8.0	6.1
BLUE GEM (NAI-13-9)	6.4	5.4	5.9	4.2	7.2	6.4	7.0	6.1	5.5	7.5	7.5	6.0
BARSERATI (BAR PP 110358)	6.1	4.0	7.1	5.3	7.0	7.0	6.9	6.7	5.6	7.2	7.7	6.0
SKYE	5.9	5.1	7.0	4.2	6.2	6.1	6.1	6.1	5.4	7.1	7.9	6.0
J-1138	6.3	5.3	6.2	5.1	6.8	6.6	6.5	6.6	5.0	6.0	6.7	5.9
MIDNIGHT	6.7	5.7	6.6	4.7	6.8	6.4	7.3	6.1	4.8	7.1	6.7	5.9
ACOUSTIC (PPG-KB 1131)	6.3	4.5	6.6	4.5	6.4	6.3	7.9	5.7	5.4	7.3	6.7	5.9
BAR PP 7236V	5.6	5.2	7.0	4.8	7.5	6.0	5.6	6.0	5.2	7.4	7.2	5.9
PPG-KB 1304	5.9	5.3	7.3	4.8	6.2	6.5	5.1	6.6	5.1	6.3	8.0	5.9
BARVETTE HGT®	5.3	5.7	6.9	5.7	7.3	6.2	5.2	5.8	4.7	7.1	7.5	5.9
ELECTRIC (PST-K11-118)	6.0	4.9	7.3	4.9	6.3	6.2	5.6	5.1	5.0	7.2	7.5	5.8
BAR PP 79494	6.2	5.4	5.7	5.0	7.2	6.3	5.9	5.6	5.3	7.6	6.6	5.8
SYRAH (LTP-11-41)	6.1	5.5	6.7	3.7	6.2	6.5	5.6	6.6	4.8	7.0	7.3	5.8
UNITED (NAI-13-14)	6.1	4.9	6.2	4.9	6.5	6.3	6.3	5.5	4.7	7.1	6.4	5.8
DLFPS-340/3552	5.8	5.1	6.6	4.6	6.0	6.1	5.4	6.4	5.0	7.5	6.5	5.8
DLFPS-340/3550	6.0	4.6	6.2	5.1	6.1	6.1	6.4	6.1	5.0	7.1	6.5	5.8
NURUSH (J-3510)	6.1	5.0	6.3	4.2	6.0	6.3	6.6	6.2	4.9	7.0	5.9	5.8
TWILIGHT (NAI-13-132)	6.3	5.6	6.2	3.9	7.0	6.1	7.0	5.1	5.0	7.2	7.0	5.8
A16-17	6.3	5.4	6.7	4.0	6.2	6.0	3.4	7.3	5.0	7.0	6.0	5.7
PST-K15-172	5.2	5.2	6.9	4.0	6.3	6.7	6.6	6.1	5.0	6.8	6.0	5.7
A13-1	5.6	5.1	6.6	4.6	6.3	6.1	4.2	6.5	5.5	7.3	6.9	5.7
KH3492	6.3	5.2	6.5	3.9	7.2	6.0	5.4	5.0	5.4	7.3	6.0	5.7
A11-40	5.9	5.0	7.1	3.5	6.5	6.0	7.1	5.5	4.9	6.8	6.5	5.7
BLUE DEVIL	6.3	5.0	6.9	4.0	5.8	6.4	7.4	5.4	5.3	7.1	6.8	5.7
PST-K13-141	5.2	5.2	6.4	4.0	7.0	6.0	4.7	5.5	5.2	7.8	5.9	5.7
BLUE MAGIC (A99-2897)	5.6	5.0	6.4	5.1	6.3	6.2	4.4	6.8	4.9	6.9	6.0	5.7
DLFPS-340/3500	6.3	4.4	6.7	4.2	6.2	5.4	5.0	5.9	4.4	7.2	6.0	5.7
JERSEY (NAI-A16-3)	6.0	4.6	6.3	3.6	6.7	6.3	6.0	4.9	5.4	5.9	6.3	5.7
BAR PP 79366	6.4	4.4	6.4	5.1	6.2	5.7	4.1	7.1	4.8	7.4	5.5	5.7
BAR PP 7K426	5.1	4.4	6.8	4.6	7.2	6.0	5.8	5.1	5.3	7.3	6.3	5.7
AFTER MIDNIGHT	6.6	3.8	5.6	4.8	7.2	5.9	6.9	4.8	5.2	7.5	6.2	5.7
A16-2	5.9	5.4	5.8	3.4	6.3	6.0	6.3	4.5	4.8	7.4	6.9	5.6
DLFPS-340/3553	6.1	5.5	6.7	4.4	6.3	6.2	5.0	6.3	5.4	6.9	6.5	5.6
AKB3128	5.1	4.6	6.3	4.2	7.2	6.1	5.0	5.6	5.1	7.1	6.9	5.6
FINISH LINE (NAI-14-178)	5.9	5.5	5.6	2.9	7.3	6.7	5.4	5.5	5.0	6.7	5.8	5.6
A10-280	5.0	4.8	6.5	4.8	6.9	5.9	5.3	4.9	4.9	6.8	6.9	5.6
BABE	6.0	5.0	6.2	3.6	7.0	6.3	5.5	4.9	5.3	6.9	6.8	5.6
DLFPS-340/3551	5.5	4.4	6.9	4.4	6.2	6.5	4.8	5.5	4.4	6.6	5.7	5.5
A06-8	6.2	5.4	6.2	4.3	6.7	6.1	4.7	4.7	4.3	7.4	5.8	5.5
A11-26	5.3	4.5	5.6	4.2	6.2	6.3	4.6	6.5	4.7	7.0	6.3	5.5
AKB3241	5.4	5.7	5.9	3.9	7.3	6.4	4.8	4.4	4.9	7.3	6.4	5.5
BAR PP 7309V	5.6	4.5	5.8	4.7	7.2	6.0	4.5	4.4	4.2	6.7	5.9	5.5
RAD-1776	5.0	4.7	6.7	3.5	7.0	6.0	4.2	4.0	5.0	7.2	7.6	5.5
AKB3179	5.0	4.8	6.7	3.6	7.3	6.3	5.1	4.7	4.8	7.1	6.1	5.5
DLFPS-340/3556	6.2	5.1	6.4	4.1	6.2	6.1	3.6	6.2	5.0	6.6	4.6	5.5
SELWAY	4.6	5.2	6.0	3.7	6.2	6.4	6.3	5.2	5.3	6.9	6.1	5.4
A15-6	5.3	3.5	5.9	4.7	6.2	5.8	4.4	5.3	5.2	7.8	6.6	5.4

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" **
2021 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	CT1	IA1	MI1	NC1	ND1	NE1	NJ1	NJ2	OK1	TN1	VA1	MEAN
DLFPS-340/3455	5.3	5.1	5.8	3.4	7.2	5.9	4.4	4.1	5.0	6.9	7.0	5.4
ORION (PST-K13-143)	5.6	4.4	6.2	3.4	6.5	6.5	5.6	4.6	5.0	5.9	6.6	5.4
PIVOT	5.5	5.0	5.8	2.8	6.9	6.3	6.1	4.7	3.8	6.9	5.8	5.4
YELLOWSTONE (A12-7)	6.0	4.5	6.1	3.8	7.1	6.0	3.2	3.0	4.9	7.2	5.6	5.4
DLFPS-340/3438	5.3	4.5	7.0	3.7	6.4	6.2	4.1	5.2	4.7	7.0	5.6	5.4
PROSPERITY	6.3	4.2	5.8	3.0	6.2	6.7	6.0	3.4	3.7	6.8	5.9	5.3
SHAMROCK	6.0	5.0	5.8	3.8	6.9	6.0	5.0	3.1	4.9	7.0	6.0	5.3
DLFPS-340/3549	5.5	5.1	6.0	3.5	6.4	6.0	4.0	4.3	4.8	6.2	6.6	5.3
DLFPS-340/3444	5.8	4.8	5.6	3.9	6.4	6.2	3.8	3.7	5.0	6.9	6.5	5.3
DLFPS-340/3446	5.7	4.9	6.4	3.8	6.0	6.4	3.4	4.4	4.3	6.8	5.8	5.3
DLFPS-340/3494	5.3	3.6	5.3	3.8	7.0	5.9	6.0	2.7	4.7	7.4	4.0	5.3
J-2726	6.0	4.3	5.3	3.8	6.0	6.0	4.5	3.8	4.5	6.5	5.1	5.2
NAI-14-122	4.9	4.9	6.8	3.6	6.5	6.1	3.4	3.8	4.8	7.1	5.8	5.2
A16-1	6.3	5.4	5.4	3.2	6.7	6.2	2.5	3.2	4.4	6.9	7.2	5.2
PST-T14-39	5.4	5.1	5.0	4.1	7.0	6.5	5.0	4.6	4.8	6.7	5.5	5.2
A12-34	5.5	4.6	6.7	3.2	6.5	6.3	4.2	4.7	4.9	6.7	5.1	5.2
RAD 553	5.5	5.3	5.8	3.6	6.9	6.0	3.6	4.0	5.0	6.4	5.4	5.2
NAI-14-128	5.3	5.5	5.7	3.0	6.3	6.0	4.1	4.0	5.0	6.8	5.6	5.2
DLFPS-340/3364	5.3	5.0	5.6	4.2	6.3	6.2	3.7	4.9	5.3	7.8	5.6	5.2
A16-7	5.9	5.7	6.1	3.5	6.2	6.1	4.6	4.2	5.0	6.7	5.5	5.2
A11-38	5.4	5.0	6.4	2.6	6.5	6.0	3.7	3.2	3.9	7.2	4.7	5.2
NEW MOON (PST-K15-177)	6.7	3.8	5.5	3.2	6.3	6.8	7.4	2.5	4.6	6.6	4.4	5.2
MVS-130	4.9	5.1	5.9	3.7	6.3	6.0	3.2	3.7	4.8	7.6	5.3	5.2
DLFPS-340/3548	5.0	5.4	5.5	2.7	6.5	6.2	5.0	4.3	4.8	6.0	6.5	5.2
NK-1	5.2	4.8	6.5	3.7	6.1	6.0	2.6	4.8	5.1	7.1	5.6	5.2
NAI-15-80	6.0	5.4	6.0	2.8	7.5	6.0	2.7	4.1	5.4	7.0	5.8	5.1
NAI-14-132	5.7	5.0	7.1	2.5	6.3	6.3	3.3	3.7	5.0	7.5	4.5	5.1
PST-11-7	6.6	4.4	4.6	3.4	7.2	5.8	7.1	1.3	5.3	5.3	5.0	5.1
DUBLIN (PST-K15-157)	5.4	5.7	5.4	3.6	7.2	6.1	3.7	3.9	5.1	7.6	4.5	5.1
BAR PP 71213	5.4	4.9	6.4	3.4	7.0	6.1	3.2	4.4	4.9	6.7	5.6	5.1
AMAZE (NAI-14-133)	5.1	5.4	5.8	2.6	6.3	6.0	3.0	4.1	5.2	7.0	6.2	5.1
PALOMA (PST-K13-139)	5.5	4.6	5.5	2.3	6.3	6.1	4.9	3.2	4.6	7.1	6.1	5.1
COMANCHE (NAI-14-176)	5.0	5.4	5.8	2.8	7.3	6.1	3.4	3.4	4.5	6.8	5.1	5.1
AVIATOR II (NAI-15-84)	5.8	5.1	5.9	3.2	6.5	5.9	3.2	2.8	4.8	6.0	5.6	5.0
PPG-KB 1320	5.5	4.8	5.6	2.6	6.3	6.4	5.4	2.7	2.9	5.9	4.4	5.0
PST-K15-167	5.1	4.9	5.5	3.7	7.2	6.0	5.2	4.0	3.8	6.7	5.4	5.0
KENBLUE	3.9	6.1	5.5	3.8	6.0	5.7	3.8	4.4	4.4	7.3	5.8	5.0
J-1319	6.8	4.9	6.3	3.1	5.7	6.0	5.5	3.7	3.7	6.3	5.1	5.0
HEARTLAND (NAI-14-187)	4.7	5.0	5.7	2.9	6.5	6.0	3.5	4.0	5.2	6.2	5.0	4.9
BLUE KNIGHT	5.6	4.7	5.4	3.2	6.0	6.0	3.0	3.5	4.8	6.6	5.3	4.9
LSD VALUE	0.7	1.6	1.0	1.0	0.1	0.5	1.6	0.9	0.9	1.1	1.6	0.3
C.V. (%)	7.5	20.2	10.5	15.8	0.8	5.5	19.4	12.0	11.7	10.3	16.2	13.3

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

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

TABLE 6.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT FOUR LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE B" *
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
NAME	IN1	MD1	MN1	UT1	MEAN	NAME	IN1	MD1	MN1	UT1	MEAN
SKYE	5.9	7.1	5.8	6.2	6.3	DLFPS-340/3438	5.8	6.3	4.9	4.9	5.5
STARR (GO-2628)	6.2	7.2	5.2	5.8	6.1	DLFPS-340/3446	5.7	5.8	4.7	5.6	5.5
BOMBAY (GO-22B23)	6.2	6.8	5.2	6.3	6.1	A06-8	5.5	7.0	3.9	5.4	5.5
CLOUD (GO-2425)	6.0	7.2	5.5	5.6	6.1	A15-6	5.4	6.0	5.1	5.3	5.4
DLFPS-340/3500	6.1	6.5	5.2	6.2	6.0	PPG-KB 1320	4.3	7.0	5.5	4.8	5.4
ELECTRIC (PST-K11-118)	5.9	7.0	5.6	5.3	6.0	PIVOT	4.7	6.3	4.7	5.9	5.4
A11-26	6.2	7.0	5.5	4.9	5.9	BABE	5.4	6.4	4.8	5.0	5.4
DLFPS-340/3552	5.7	7.1	4.6	6.1	5.9	BAR PP 7309V	5.2	6.4	4.7	5.3	5.4
NURUSH (J-3510)	5.7	7.2	4.4	5.9	5.8	DLFPS-340/3556	5.8	6.3	4.6	4.9	5.4
BLUE GEM (NAI-13-9)	5.4	7.6	4.2	6.0	5.8	DLFPS-340/3494	4.3	6.4	4.7	6.2	5.4
PPG-KB 1304	6.0	7.1	4.7	5.3	5.8	AMAZE (NAI-14-133)	5.6	5.9	4.8	5.2	5.4
DLFPS-340/3551	6.0	6.2	4.9	6.0	5.8	BARVETTE HGT®	5.9	6.4	4.4	4.8	5.4
PST-K13-141	5.7	6.6	5.2	5.4	5.7	NAI-14-132	5.0	6.1	4.8	5.6	5.4
BLUE MAGIC (A99-2897)	5.9	6.7	4.9	5.4	5.7	BAR PP 79494	5.2	7.6	3.8	4.9	5.4
SYRAH (LTP-11-41)	5.9	6.7	4.8	5.4	5.7	AVIATOR II (NAI-15-84)	4.6	6.3	4.9	5.6	5.4
MIDNIGHT	5.5	7.3	4.6	5.4	5.7	J-2726	4.4	7.0	4.9	5.0	5.3
A11-38	5.4	6.9	5.6	4.8	5.7	DLFPS-340/3548	5.1	6.3	4.8	5.0	5.3
UNITED (NAI-13-14)	5.7	6.7	4.3	6.1	5.7	NK-1	5.4	6.3	4.3	5.2	5.3
DLFPS-340/3550	6.3	6.4	4.2	5.8	5.7	DLFPS-340/3549	5.5	6.0	4.9	4.7	5.3
J-1138	5.5	7.6	5.2	4.5	5.7	BAR PP 7K426	5.6	6.2	4.0	5.3	5.3
YELLOWSTONE (A12-7)	5.3	6.8	5.7	5.0	5.7	TWILIGHT (NAI-13-132)	4.7	6.4	4.4	5.4	5.3
ACOUSTIC (PPG-KB 1131)	5.7	7.7	4.0	5.3	5.7	DLFPS-340/3444	5.4	6.4	4.6	4.7	5.3
JERSEY (NAI-A16-3)	6.1	6.6	4.7	5.3	5.7	RAD 553	5.4	6.0	4.4	5.2	5.2
PROSPERITY	5.1	7.2	4.9	5.4	5.7	SHAMROCK	4.8	6.3	4.9	4.9	5.2
NAI-14-122	5.5	6.7	5.0	5.4	5.7	NEW MOON (PST-K15-177)	4.4	7.2	3.9	5.4	5.2
BAR PP 79366	5.7	7.0	4.9	5.1	5.7	HEARTLAND (NAI-14-187)	3.8	6.6	4.6	5.7	5.2
A11-40	5.7	7.1	4.9	4.9	5.7	BLUE DEVIL	5.5	6.5	4.1	4.7	5.2
MVS-130	5.7	6.8	4.6	5.5	5.7	A12-34	5.2	6.6	3.7	5.3	5.2
A13-1	6.2	6.0	4.6	5.8	5.6	PALOMA (PST-K13-139)	5.3	6.0	4.4	4.9	5.2
A16-2	5.8	6.0	5.4	5.3	5.6	DLFPS-340/3455	5.6	5.5	4.8	4.5	5.1
A10-280	5.5	6.2	5.7	4.9	5.6	SELWAY	5.5	5.8	4.7	4.4	5.1
BARSERATI (BAR PP 110358)	6.5	6.8	4.7	4.2	5.6	PST-T14-39	5.0	5.9	5.1	4.3	5.1
KH3492	5.8	6.8	5.3	4.5	5.6	DUBLIN (PST-K15-157)	4.5	6.6	4.5	4.6	5.1
AKB3128	5.8	5.8	5.2	5.4	5.6	AFTER MIDNIGHT	3.4	7.3	3.8	5.6	5.0
ORION (PST-K13-143)	5.5	6.3	5.1	5.4	5.6	PST-11-7	5.0	6.0	5.2	4.0	5.0
AKB3179	6.3	6.1	5.8	4.1	5.6	NAI-15-80	4.5	6.8	4.1	4.8	5.0
FINISH LINE (NAI-14-178)	5.4	6.8	4.8	5.2	5.5	A16-7	4.9	7.1	3.8	4.2	5.0
RAD-1776	6.0	6.7	4.6	4.9	5.5	BLUE KNIGHT	4.8	5.8	3.8	4.9	4.8
NAI-14-128	5.7	6.8	4.3	5.3	5.5	BAR PP 71213	5.3	5.5	4.0	4.4	4.8
PST-K15-172	6.0	6.8	4.8	4.4	5.5	DLFPS-340/3364	4.8	6.5	3.6	4.1	4.7
A16-17	6.0	7.0	4.4	4.7	5.5	PST-K15-167	4.1	6.0	4.2	3.9	4.5
BAR PP 7236V	5.6	6.3	4.8	5.3	5.5	KENBLUE	4.9	5.6	3.9	3.2	4.4
COMANCHE (NAI-14-176)	5.6	6.8	4.6	4.9	5.5	J-1319	3.1	5.9	4.3	3.9	4.3
AKB3241	5.8	6.3	4.4	5.3	5.5						
A16-1	5.4	6.4	5.1	5.1	5.5	LSD VALUE	0.8	1.2	1.0	1.7	0.6
DLFPS-340/3553	6.0	6.3	4.7	4.9	5.5	C.V. (%)	9.6	11.8	13.7	20.8	14.3

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

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

TABLE 7.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	CT1	NJ1	NJ2	MEAN	NAME	CT1	NJ1	NJ2	MEAN
MIDNIGHT	6.7	7.3	6.1	6.7	A06-8	6.2	4.7	4.7	5.2
ACOUSTIC (PPG-KB 1131)	6.3	7.9	5.7	6.7	PST-K13-141	5.2	4.7	5.5	5.1
BOMBAY (GO-22B23)	5.8	7.8	6.3	6.6	A10-280	5.0	5.3	4.9	5.1
BARSERATI (BAR PP 110358)	6.1	6.9	6.7	6.6	A15-6	5.3	4.4	5.3	5.0
STARR (GO-2628)	6.0	7.0	6.6	6.6	PST-11-7	6.6	7.1	1.3	5.0
BLUE GEM (NAI-13-9)	6.4	7.0	6.1	6.5	PST-T14-39	5.4	5.0	4.6	5.0
J-1138	6.3	6.5	6.6	6.5	AKB3179	5.0	5.1	4.7	5.0
BLUE DEVIL	6.3	7.4	5.4	6.4	A16-7	5.9	4.6	4.2	4.9
NURUSH (J-3510)	6.1	6.6	6.2	6.3	AKB3241	5.4	4.8	4.4	4.9
DLFPS-340/3550	6.0	6.4	6.1	6.2	DLFPS-340/3438	5.3	4.1	5.2	4.9
CLOUD (GO-2425)	5.9	7.0	5.7	6.2	BAR PP 7309V	5.6	4.5	4.4	4.8
A11-40	5.9	7.1	5.5	6.2	A12-34	5.5	4.2	4.7	4.8
TWILIGHT (NAI-13-132)	6.3	7.0	5.1	6.1	J-2726	6.0	4.5	3.8	4.8
SYRAH (LTP-11-41)	6.1	5.6	6.6	6.1	PST-K15-167	5.1	5.2	4.0	4.8
AFTER MIDNIGHT	6.6	6.9	4.8	6.1	DLFPS-340/3548	5.0	5.0	4.3	4.7
SKYE	5.9	6.1	6.1	6.0	SHAMROCK	6.0	5.0	3.1	4.7
UNITED (NAI-13-14)	6.1	6.3	5.5	6.0	DLFPS-340/3494	5.3	6.0	2.7	4.7
PST-K15-172	5.2	6.6	6.1	6.0	DLFPS-340/3364	5.3	3.7	4.9	4.6
BAR PP 79494	6.2	5.9	5.6	5.9	DLFPS-340/3455	5.3	4.4	4.1	4.6
DLFPS-340/3552	5.8	5.4	6.4	5.9	DLFPS-340/3549	5.5	4.0	4.3	4.6
PPG-KB 1304	5.9	5.1	6.6	5.9	PPG-KB 1320	5.5	5.4	2.7	4.5
BAR PP 79366	6.4	4.1	7.1	5.9	PALOMA (PST-K13-139)	5.5	4.9	3.2	4.5
DLFPS-340/3553	6.1	5.0	6.3	5.8	DLFPS-340/3446	5.7	3.4	4.4	4.5
DLFPS-340/3500	6.3	5.0	5.9	5.7	NAI-14-128	5.3	4.1	4.0	4.5
BAR PP 7236V	5.6	5.6	6.0	5.7	DLFPS-340/3444	5.8	3.8	3.7	4.4
A16-17	6.3	3.4	7.3	5.7	RAD-1776	5.0	4.2	4.0	4.4
JERSEY (NAI-A16-3)	6.0	6.0	4.9	5.6	BAR PP 71213	5.4	3.2	4.4	4.4
ELECTRIC (PST-K11-118)	6.0	5.6	5.1	5.6	RAD 553	5.5	3.6	4.0	4.4
BLUE MAGIC (A99-2897)	5.6	4.4	6.8	5.6	DUBLIN (PST-K15-157)	5.4	3.7	3.9	4.3
FINISH LINE (NAI-14-178)	5.9	5.4	5.5	5.6	NAI-15-80	6.0	2.7	4.1	4.3
KH3492	6.3	5.4	5.0	5.6	NAI-14-132	5.7	3.3	3.7	4.2
A16-2	5.9	6.3	4.5	5.5	NK-1	5.2	2.6	4.8	4.2
NEW MOON (PST-K15-177)	6.7	7.4	2.5	5.5	A11-38	5.4	3.7	3.2	4.1
A11-26	5.3	4.6	6.5	5.5	HEARTLAND (NAI-14-187)	4.7	3.5	4.0	4.1
PIVOT	5.5	6.1	4.7	5.5	YELLOWSTONE (A12-7)	6.0	3.2	3.0	4.0
BARVETTE HGT®	5.3	5.2	5.8	5.4	AMAZE (NAI-14-133)	5.1	3.0	4.1	4.0
A13-1	5.6	4.2	6.5	5.4	BLUE KNIGHT	5.6	3.0	3.5	4.0
BABE	6.0	5.5	4.9	5.4	NAI-14-122	4.9	3.4	3.8	4.0
SELWAY	4.6	6.3	5.2	5.4	KENBLUE	3.9	3.8	4.4	4.0
BAR PP 7K426	5.1	5.8	5.1	5.4	A16-1	6.3	2.5	3.2	4.0
DLFPS-340/3556	6.2	3.6	6.2	5.3	COMANCHE (NAI-14-176)	5.0	3.4	3.4	3.9
J-1319	6.8	5.5	3.7	5.3	MVS-130	4.9	3.2	3.7	3.9
ORION (PST-K13-143)	5.6	5.6	4.6	5.3	AVIATOR II (NAI-15-84)	5.8	3.2	2.8	3.9
DLFPS-340/3551	5.5	4.8	5.5	5.3					
PROSPERITY	6.3	6.0	3.4	5.3	LSL VALUE	0.7	1.6	0.9	0.7
AKB3128	5.1	5.0	5.6	5.2	C.V. (%)	7.5	19.4	12.0	13.5

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

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

TABLE 8.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE TRANSITION REGION
2021 DATA

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

NAME	MD1	NC1	OK1	TN1	VA1	MEAN	NAME	MD1	NC1	OK1	TN1	VA1	MEAN
BARSERATI (BAR PP 110358)	6.8	5.3	5.6	7.2	7.7	6.5	SHAMROCK	6.3	3.8	4.9	7.0	6.0	5.6
CLOUD (GO-2425)	7.2	4.6	5.1	7.5	8.0	6.5	A16-1	6.4	3.2	4.4	6.9	7.2	5.6
BLUE GEM (NAI-13-9)	7.6	4.2	5.5	7.5	7.5	6.5	NAI-14-122	6.7	3.6	4.8	7.1	5.8	5.6
BAR PP 79494	7.6	5.0	5.3	7.6	6.6	6.4	SELWAY	5.8	3.7	5.3	6.9	6.1	5.6
SKYE	7.1	4.2	5.4	7.1	7.9	6.3	DLFPS-340/3455	5.5	3.4	5.0	6.9	7.0	5.6
ACOUSTIC (PPG-KB 1131)	7.7	4.5	5.4	7.3	6.7	6.3	BAR PP 7309V	6.4	4.7	4.2	6.7	5.9	5.6
STARR (GO-2628)	7.2	4.4	5.1	6.8	8.1	6.3	JERSEY (NAI-A16-3)	6.6	3.6	5.4	5.9	6.3	5.6
ELECTRIC (PST-K11-118)	7.0	4.9	5.0	7.2	7.5	6.3	NAI-15-80	6.8	2.8	5.4	7.0	5.8	5.6
BARVETTE HGT®	6.4	5.7	4.7	7.1	7.5	6.3	NK-1	6.3	3.7	5.1	7.1	5.6	5.6
BOMBAY (GO-22B23)	6.8	4.6	5.3	7.3	7.4	6.3	AKB3179	6.1	3.6	4.8	7.1	6.1	5.5
PPG-KB 1304	7.1	4.8	5.1	6.3	8.0	6.2	A16-7	7.1	3.5	5.0	6.7	5.5	5.5
AFTER MIDNIGHT	7.3	4.8	5.2	7.5	6.2	6.2	DUBLIN (PST-K15-157)	6.6	3.6	5.1	7.6	4.5	5.5
BAR PP 7236V	6.3	4.8	5.2	7.4	7.2	6.2	DLFPS-340/3438	6.3	3.7	4.7	7.0	5.6	5.5
DLFPS-340/3552	7.1	4.6	5.0	7.5	6.5	6.2	DLFPS-340/3551	6.2	4.4	4.4	6.6	5.7	5.5
MIDNIGHT	7.3	4.7	4.8	7.1	6.7	6.1	FINISH LINE (NAI-14-178)	6.8	2.9	5.0	6.7	5.8	5.5
J-1138	7.6	5.1	5.0	6.0	6.7	6.1	ORION (PST-K13-143)	6.3	3.4	5.0	5.9	6.6	5.4
A15-6	6.0	4.7	5.2	7.8	6.6	6.0	DLFPS-340/3549	6.0	3.5	4.8	6.2	6.6	5.4
A13-1	6.0	4.6	5.5	7.3	6.9	6.0	NAI-14-128	6.8	3.0	5.0	6.8	5.6	5.4
DLFPS-340/3550	6.4	5.1	5.0	7.1	6.5	6.0	AMAZE (NAI-14-133)	5.9	2.6	5.2	7.0	6.2	5.4
RAD-1776	6.7	3.5	5.0	7.2	7.6	6.0	PST-T14-39	5.9	4.1	4.8	6.7	5.5	5.4
UNITED (NAI-13-14)	6.7	4.9	4.7	7.1	6.4	6.0	J-2726	7.0	3.8	4.5	6.5	5.1	5.4
BAR PP 79366	7.0	5.1	4.8	7.4	5.5	6.0	KENBLUE	5.6	3.8	4.4	7.3	5.8	5.4
BAR PP 7K426	6.2	4.6	5.3	7.3	6.3	6.0	DLFPS-340/3556	6.3	4.1	5.0	6.6	4.6	5.3
BLUE DEVIL	6.5	4.0	5.3	7.1	6.8	5.9	DLFPS-340/3446	5.8	3.8	4.3	6.8	5.8	5.3
A10-280	6.2	4.8	4.9	6.8	6.9	5.9	A12-34	6.6	3.2	4.9	6.7	5.1	5.3
PST-K13-141	6.6	4.0	5.2	7.8	5.9	5.9	PROSPERITY	7.2	3.0	3.7	6.8	5.9	5.3
BLUE MAGIC (A99-2897)	6.7	5.1	4.9	6.9	6.0	5.9	RAD 553	6.0	3.6	5.0	6.4	5.4	5.3
SYRAH (LTP-11-41)	6.7	3.7	4.8	7.0	7.3	5.9	DLFPS-340/3548	6.3	2.7	4.8	6.0	6.5	5.3
TWILIGHT (NAI-13-132)	6.4	3.9	5.0	7.2	7.0	5.9	DLFPS-340/3494	6.4	3.8	4.7	7.4	4.0	5.3
DLFPS-340/3553	6.3	4.4	5.4	6.9	6.5	5.9	PALOMA (PST-K13-139)	6.0	2.3	4.6	7.1	6.1	5.2
KH3492	6.8	3.9	5.4	7.3	6.0	5.9	BAR PP 71213	5.5	3.4	4.9	6.7	5.6	5.2
DLFPS-340/3364	6.5	4.2	5.3	7.8	5.6	5.9	NEW MOON (PST-K15-177)	7.2	3.2	4.6	6.6	4.4	5.2
A11-26	7.0	4.2	4.7	7.0	6.3	5.9	COMANCHE (NAI-14-176)	6.8	2.8	4.5	6.8	5.1	5.2
NURUSH (J-3510)	7.2	4.2	4.9	7.0	5.9	5.8	AVIATOR II (NAI-15-84)	6.3	3.2	4.8	6.0	5.6	5.2
AKB3128	5.8	4.2	5.1	7.1	6.9	5.8	HEARTLAND (NAI-14-187)	6.6	2.9	5.2	6.2	5.0	5.2
A16-17	7.0	4.0	5.0	7.0	6.0	5.8	BLUE KNIGHT	5.8	3.2	4.8	6.6	5.3	5.2
BABE	6.4	3.6	5.3	6.9	6.8	5.8	PIVOT	6.3	2.8	3.8	6.9	5.8	5.1
A11-40	7.1	3.5	4.9	6.8	6.5	5.8	PST-K15-167	6.0	3.7	3.8	6.7	5.4	5.1
AKB3241	6.3	3.9	4.9	7.3	6.4	5.8	NAI-14-132	6.1	2.5	5.0	7.5	4.5	5.1
A06-8	7.0	4.3	4.3	7.4	5.8	5.8	A11-38	6.9	2.6	3.9	7.2	4.7	5.0
DLFPS-340/3444	6.4	3.9	5.0	6.9	6.5	5.7	PST-11-7	6.0	3.4	5.3	5.3	5.0	5.0
PST-K15-172	6.8	4.0	5.0	6.8	6.0	5.7	J-1319	5.9	3.1	3.7	6.3	5.1	4.8
A16-2	6.0	3.4	4.8	7.4	6.9	5.7	PPG-KB 1320	7.0	2.6	2.9	5.9	4.4	4.6
DLFPS-340/3500	6.5	4.2	4.4	7.2	6.0	5.7							
MVS-130	6.8	3.7	4.8	7.6	5.3	5.7	LSL VALUE	1.2	1.0	0.9	1.1	1.6	0.5
YELLOWSTONE (A12-7)	6.8	3.8	4.9	7.2	5.6	5.6	C.V. (%)	11.8	15.8	11.7	10.3	16.2	13.1

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 9.

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT SIX LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2021 DATA

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

NAME	IA1	IN1	MI1	MN1	ND1	NE1	MEAN
AKB3179	4.8	6.3	6.7	5.8	7.3	6.3	6.2
BOMBAY (GO-22B23)	5.2	6.2	7.4	5.2	6.5	6.4	6.1
BARVETTE HGT®	5.7	5.9	6.9	4.4	7.3	6.2	6.1
BARSERATI (BAR PP 110358)	4.0	6.5	7.1	4.7	7.0	7.0	6.1
ELECTRIC (PST-K11-118)	4.9	5.9	7.3	5.6	6.3	6.2	6.0
SKYE	5.1	5.9	7.0	5.8	6.2	6.1	6.0
BAR PP 7236V	5.2	5.6	7.0	4.8	7.5	6.0	6.0
PPG-KB 1304	5.3	6.0	7.3	4.7	6.2	6.5	6.0
CLOUD (GO-2425)	5.4	6.0	6.6	5.5	6.0	6.6	6.0
KH3492	5.2	5.8	6.5	5.3	7.2	6.0	6.0
PST-K15-172	5.2	6.0	6.9	4.8	6.3	6.7	6.0
STARR (GO-2628)	5.0	6.2	6.7	5.2	6.5	6.2	6.0
AKB3241	5.7	5.8	5.9	4.4	7.3	6.4	5.9
MIDNIGHT	5.7	5.5	6.6	4.6	6.8	6.4	5.9
J-1138	5.3	5.5	6.2	5.2	6.8	6.6	5.9
SYRAH (LTP-11-41)	5.5	5.9	6.7	4.8	6.2	6.5	5.9
PST-K13-141	5.2	5.7	6.4	5.2	7.0	6.0	5.9
DLFPS-340/3553	5.5	6.0	6.7	4.7	6.3	6.2	5.9
A10-280	4.8	5.5	6.5	5.7	6.9	5.9	5.9
FINISH LINE (NAI-14-178)	5.5	5.4	5.6	4.8	7.3	6.7	5.9
A11-40	5.0	5.7	7.1	4.9	6.5	6.0	5.9
AKB3128	4.6	5.8	6.3	5.2	7.2	6.1	5.9
A13-1	5.1	6.2	6.6	4.6	6.3	6.1	5.8
RAD-1776	4.7	6.0	6.7	4.6	7.0	6.0	5.8
A11-38	5.0	5.4	6.4	5.6	6.5	6.0	5.8
BLUE MAGIC (A99-2897)	5.0	5.9	6.4	4.9	6.3	6.2	5.8
COMANCHE (NAI-14-176)	5.4	5.6	5.8	4.6	7.3	6.1	5.8
DLFPS-340/3551	4.4	6.0	6.9	4.9	6.2	6.5	5.8
DLFPS-340/3438	4.5	5.8	7.0	4.9	6.4	6.2	5.8
A16-2	5.4	5.8	5.8	5.4	6.3	6.0	5.8
NAI-14-122	4.9	5.5	6.8	5.0	6.5	6.1	5.8
A16-17	5.4	6.0	6.7	4.4	6.2	6.0	5.8
JERSEY (NAI-A16-3)	4.6	6.1	6.3	4.7	6.7	6.3	5.8
BABE	5.0	5.4	6.2	4.8	7.0	6.3	5.8
YELLOWSTONE (A12-7)	4.5	5.3	6.1	5.7	7.1	6.0	5.8
BLUE GEM (NAI-13-9)	5.4	5.4	5.9	4.2	7.2	6.4	5.7
NAI-14-132	5.0	5.0	7.1	4.8	6.3	6.3	5.7
DLFPS-340/3455	5.1	5.6	5.8	4.8	7.2	5.9	5.7
A16-1	5.4	5.4	5.4	5.1	6.7	6.2	5.7
ORION (PST-K13-143)	4.4	5.5	6.2	5.1	6.5	6.5	5.7
A11-26	4.5	6.2	5.6	5.5	6.2	6.3	5.7
DLFPS-340/3552	5.1	5.7	6.6	4.6	6.0	6.1	5.7
DLFPS-340/3446	4.9	5.7	6.4	4.7	6.0	6.4	5.7
TWILIGHT (NAI-13-132)	5.6	4.7	6.2	4.4	7.0	6.1	5.7
AMAZE (NAI-14-133)	5.4	5.6	5.8	4.8	6.3	6.0	5.7
DLFPS-340/3556	5.1	5.8	6.4	4.6	6.2	6.1	5.7
BAR PP 7K426	4.4	5.6	6.8	4.0	7.2	6.0	5.7
DLFPS-340/3549	5.1	5.5	6.0	4.9	6.4	6.0	5.7
DLFPS-340/3500	4.4	6.1	6.7	5.2	6.2	5.4	5.7

TABLE 9.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT SIX LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2021 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	IA1	IN1	MI1	MN1	ND1	NE1	MEAN
UNITED (NAI-13-14)	4.9	5.7	6.2	4.3	6.5	6.3	5.7
SELWAY	5.2	5.5	6.0	4.7	6.2	6.4	5.7
RAD 553	5.3	5.4	5.8	4.4	6.9	6.0	5.6
A06-8	5.4	5.5	6.2	3.9	6.7	6.1	5.6
BAR PP 71213	4.9	5.3	6.4	4.0	7.0	6.1	5.6
NURUSH (J-3510)	5.0	5.7	6.3	4.4	6.0	6.3	5.6
PST-T14-39	5.1	5.0	5.0	5.1	7.0	6.5	5.6
BLUE DEVIL	5.0	5.5	6.9	4.1	5.8	6.4	5.6
BAR PP 79494	5.4	5.2	5.7	3.8	7.2	6.3	5.6
DLFPS-340/3550	4.6	6.3	6.2	4.2	6.1	6.1	5.6
MVS-130	5.1	5.7	5.9	4.6	6.3	6.0	5.6
DLFPS-340/3548	5.4	5.1	5.5	4.8	6.5	6.2	5.6
NAI-14-128	5.5	5.7	5.7	4.3	6.3	6.0	5.6
SHAMROCK	5.0	4.8	5.8	4.9	6.9	6.0	5.6
NAI-15-80	5.4	4.5	6.0	4.1	7.5	6.0	5.6
ACOUSTIC (PPG-KB 1131)	4.5	5.7	6.6	4.0	6.4	6.3	5.6
DUBLIN (PST-K15-157)	5.7	4.5	5.4	4.5	7.2	6.1	5.6
PIVOT	5.0	4.7	5.8	4.7	6.9	6.3	5.6
BAR PP 7309V	4.5	5.2	5.8	4.7	7.2	6.0	5.6
BAR PP 79366	4.4	5.7	6.4	4.9	6.2	5.7	5.6
NK-1	4.8	5.4	6.5	4.3	6.1	6.0	5.5
DLFPS-340/3444	4.8	5.4	5.6	4.6	6.4	6.2	5.5
AVIATOR II (NAI-15-84)	5.1	4.6	5.9	4.9	6.5	5.9	5.5
PPG-KB 1320	4.8	4.3	5.6	5.5	6.3	6.4	5.5
A12-34	4.6	5.2	6.7	3.7	6.5	6.3	5.5
PROSPERITY	4.2	5.1	5.8	4.9	6.2	6.7	5.5
A16-7	5.7	4.9	6.1	3.8	6.2	6.1	5.4
PALOMA (PST-K13-139)	4.6	5.3	5.5	4.4	6.3	6.1	5.4
KENBLUE	6.1	4.9	5.5	3.9	6.0	5.7	5.4
PST-11-7	4.4	5.0	4.6	5.2	7.2	5.8	5.4
PST-K15-167	4.9	4.1	5.5	4.2	7.2	6.0	5.3
A15-6	3.5	5.4	5.9	5.1	6.2	5.8	5.3
HEARTLAND (NAI-14-187)	5.0	3.8	5.7	4.6	6.5	6.0	5.3
DLFPS-340/3364	5.0	4.8	5.6	3.6	6.3	6.2	5.2
J-2726	4.3	4.4	5.3	4.9	6.0	6.0	5.1
DLFPS-340/3494	3.6	4.3	5.3	4.7	7.0	5.9	5.1
NEW MOON (PST-K15-177)	3.8	4.4	5.5	3.9	6.3	6.8	5.1
BLUE KNIGHT	4.7	4.8	5.4	3.8	6.0	6.0	5.1
J-1319	4.9	3.1	6.3	4.3	5.7	6.0	5.0
AFTER MIDNIGHT	3.8	3.4	5.6	3.8	7.2	5.9	5.0
LSD VALUE	1.6	0.8	1.0	1.0	0.1	0.5	0.4
C.V. (%)	20.2	9.6	10.5	13.7	0.8	5.5	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 10.

TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS FOR EACH MONTH
GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
2021 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN	NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
BOMBAY (GO-22B23)	6.0	6.3	5.3	6.3	7.7	6.3	6.3	RAD 553	5.3	5.0	4.3	5.3	5.3	5.7	5.2
DLFPS-340/3494	5.0	7.0	5.0	6.7	6.7	6.7	6.2	A16-1	5.0	4.7	3.3	4.7	6.3	6.3	5.1
DLFPS-340/3500	3.7	7.3	5.0	6.7	7.7	6.7	6.2	BAR PP 79366	4.7	5.7	3.3	4.7	6.3	5.7	5.1
SKYE	6.7	5.7	4.3	6.3	8.0	6.0	6.2	BABE	5.7	5.0	3.3	4.0	6.0	6.0	5.0
DLFPS-340/3552	5.3	7.0	4.7	6.7	7.7	5.3	6.1	DLFPS-340/3548	5.3	5.3	3.0	4.3	6.3	5.7	5.0
UNITED (NAI-13-14)	4.0	7.7	4.3	5.3	8.3	6.7	6.1	J-2726	3.7	6.3	3.3	4.0	6.7	6.0	5.0
BLUE GEM (NAI-13-9)	4.0	7.3	4.3	6.0	8.0	6.3	6.0	YELLOWSTONE (A12-7)	6.0	4.3	3.0	4.0	6.7	6.0	5.0
DLFPS-340/3551	4.7	7.3	4.7	5.7	7.7	6.0	6.0	BLUE KNIGHT	3.7	6.0	4.0	4.7	5.7	5.7	4.9
PIVOT	5.7	6.0	4.7	6.7	6.3	6.3	5.9	A10-280	4.0	5.3	4.0	5.0	6.0	5.3	4.9
NURUSH (J-3510)	4.7	7.3	3.7	5.0	7.7	7.0	5.9	A11-40	5.7	4.3	3.0	4.0	6.0	6.7	4.9
STARR (GO-2628)	7.0	6.3	3.7	5.0	6.7	6.3	5.8	COMANCHE (NAI-14-176)	4.3	6.0	2.7	3.3	7.0	6.3	4.9
A13-1	5.0	6.3	5.0	5.0	6.7	6.7	5.8	DLFPS-340/3556	4.3	6.0	3.7	4.3	5.7	5.7	4.9
DLFPS-340/3550	5.0	5.7	4.7	6.0	7.3	6.0	5.8	A11-26	4.7	5.0	3.3	4.7	5.7	6.0	4.9
HEARTLAND (NAI-14-187)	5.3	6.3	3.7	5.3	7.7	6.0	5.7	DLFPS-340/3438	4.7	6.0	4.0	4.7	4.7	5.3	4.9
DLFPS-340/3446	5.7	5.7	4.3	5.3	6.7	6.0	5.6	PALOMA (PST-K13-139)	5.7	4.7	3.7	4.0	5.3	6.0	4.9
NAI-14-132	5.7	7.3	3.3	4.3	7.3	5.7	5.6	BAR PP 79494	4.0	5.3	3.7	4.0	6.7	5.7	4.9
AFTER MIDNIGHT	4.3	6.7	4.0	5.3	7.0	6.3	5.6	DLFPS-340/3553	4.3	5.7	3.7	4.0	6.0	5.7	4.9
CLOUD (GO-2425)	5.3	5.7	3.3	5.0	7.7	6.7	5.6	RAD-1776	6.3	4.3	3.0	4.7	5.0	6.0	4.9
AVIATOR II (NAI-15-84)	5.0	6.3	4.3	6.0	6.3	5.3	5.6	SHAMROCK	5.0	4.3	3.0	4.3	6.3	6.3	4.9
MVS-130	4.3	6.7	4.3	5.0	7.0	5.7	5.5	A11-38	5.7	5.0	3.0	4.3	5.7	5.3	4.8
MIDNIGHT	4.7	6.3	4.0	4.7	7.0	6.0	5.4	BARVETTE HGT®	5.7	5.0	3.7	3.7	5.3	5.7	4.8
NAI-14-122	5.3	6.3	3.7	4.0	8.0	5.3	5.4	NAI-15-80	4.7	5.3	3.3	4.0	6.0	5.7	4.8
SYRAH (LTP-11-41)	5.7	5.7	3.7	4.7	7.0	6.0	5.4	PPG-KB 1320	4.7	5.3	3.0	4.3	6.0	5.7	4.8
AKB3128	5.7	4.7	4.0	5.3	6.7	6.3	5.4	A16-17	5.3	5.0	3.3	4.3	4.7	5.3	4.7
PROSPERITY	4.3	7.3	3.3	4.7	7.0	6.0	5.4	BLUE DEVIL	4.7	6.0	3.0	3.7	5.0	5.7	4.7
TWILIGHT (NAI-13-132)	4.3	6.7	3.7	5.0	7.0	6.0	5.4	DLFPS-340/3444	5.0	4.3	2.7	4.0	6.0	6.0	4.7
A06-8	4.7	6.0	3.7	4.3	7.7	6.0	5.4	DLFPS-340/3549	4.7	4.3	3.3	4.0	5.7	6.0	4.7
BLUE MAGIC (A99-2897)	5.0	6.7	3.7	4.3	6.7	6.0	5.4	DUBLIN (PST-K15-157)	3.7	4.7	2.7	4.0	6.7	6.0	4.6
NEW MOON (PST-K15-177)	5.7	7.0	3.0	4.3	6.7	5.7	5.4	DLFPS-340/3455	5.3	4.7	2.3	3.3	5.7	5.7	4.5
ORION (PST-K13-143)	5.3	5.3	4.3	4.7	6.3	6.3	5.4	J-1138	3.3	5.7	2.7	3.7	5.7	6.0	4.5
PST-K13-141	4.7	5.7	4.0	5.3	6.7	6.0	5.4	KH3492	5.0	4.0	3.0	3.0	6.0	6.0	4.5
ACOUSTIC (PPG-KB 1131)	4.7	5.7	3.7	4.7	7.0	6.3	5.3	BAR PP 71213	6.0	4.0	2.3	3.7	5.3	5.3	4.4
AKB3241	5.3	5.0	4.0	4.7	7.3	5.7	5.3	PST-K15-172	5.3	5.3	3.0	3.0	4.7	5.3	4.4
BAR PP 7309V	5.0	5.0	3.7	4.7	7.3	6.3	5.3	SELWAY	5.3	4.3	2.7	4.7	4.7	5.0	4.4
JERSEY (NAI-A16-3)	5.0	6.0	3.7	4.3	6.7	6.3	5.3	PST-T14-39	4.7	4.3	3.0	3.3	4.7	5.7	4.3
NAI-14-128	4.7	7.0	3.7	3.7	7.3	5.7	5.3	BARSERATI (BAR PP 110358)	5.3	4.7	3.0	3.0	4.0	5.3	4.2
PPG-KB 1304	6.0	6.3	3.7	4.3	6.0	5.7	5.3	A16-7	3.0	5.3	3.3	4.0	4.3	5.0	4.2
A12-34	3.7	6.3	3.7	5.7	6.7	5.7	5.3	DLFPS-340/3364	3.0	5.0	2.7	3.7	5.0	5.3	4.1
BAR PP 7236V	6.3	5.3	3.0	4.7	6.3	6.0	5.3	AKB3179	4.3	5.0	2.3	2.7	4.3	5.7	4.1
A15-6	4.3	6.3	4.0	5.3	6.0	5.7	5.3	PST-11-7	2.7	5.0	2.7	3.0	5.0	5.7	4.0
A16-2	5.7	4.3	3.3	5.0	6.7	6.7	5.3	J-1319	3.0	5.0	2.7	3.0	4.7	5.3	3.9
BAR PP 7K426	4.7	5.3	3.7	5.3	6.7	6.0	5.3	PST-K15-167	3.0	5.3	2.3	3.3	4.7	4.7	3.9
ELECTRIC (PST-K11-118)	5.7	6.0	3.7	4.3	5.7	6.3	5.3	KENBLUE	3.7	2.3	2.0	3.3	3.3	4.7	3.2
AMAZE (NAI-14-133)	4.7	6.3	3.3	4.0	7.0	5.7	5.2								
FINISH LINE (NAI-14-178)	5.7	4.7	4.0	5.0	6.0	5.7	5.2	LSD VALUE	1.8	2.0	2.4	2.8	2.6	1.1	1.7
NK-1	5.0	6.0	4.3	4.7	5.3	5.7	5.2	C.V. (%)	23.3	22.4	41.5	38.2	26.0	11.9	20.8

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 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/											
	WEAR MAY	TOLERANCE JULY	OCTOBER	APR	MAY	JUN	JUL	QUALITY AUG	RATINGS SEP	OCT	NOV	MEAN
DLFPS-340/3556	5.0	4.7	5.0	6.3	6.7	6.7	6.7	6.0	6.0	5.7	5.7	6.2
BAR PP 7309V	5.7	6.0	5.7	6.7	6.3	6.0	6.0	6.0	6.3	5.3	6.0	6.1
FINISH LINE (NAI-14-178)	7.0	6.0	6.3	7.3	6.0	5.3	5.7	6.0	6.3	6.3	6.0	6.1
A16-17	5.3	5.0	4.7	7.0	5.7	6.0	6.7	5.7	6.0	6.0	5.0	6.0
J-1138	6.0	5.3	5.7	6.7	6.7	5.7	6.3	5.7	6.0	6.0	5.3	6.0
J-2726	5.3	5.3	5.0	7.3	7.0	5.3	5.0	6.0	5.7	6.0	5.3	6.0
DLFPS-340/3494	6.7	5.7	5.7	6.3	6.0	6.7	5.7	5.3	5.7	5.7	5.7	5.9
DLFPS-340/3500	5.3	5.3	5.3	5.7	6.0	6.7	6.3	6.0	5.7	5.7	5.0	5.9
PST-11-7	6.3	6.0	6.3	6.3	6.7	7.0	6.3	5.0	5.3	5.3	5.0	5.9
AFTER MIDNIGHT	6.3	5.7	5.7	7.0	6.3	5.3	5.0	6.0	5.7	5.7	5.7	5.8
BAR PP 7236V	5.0	4.7	4.3	6.3	5.7	6.0	5.7	5.7	5.7	6.0	5.7	5.8
YELLOWSTONE (A12-7)	6.0	5.7	6.0	5.7	6.0	6.3	6.0	5.3	5.7	5.3	5.7	5.8
BAR PP 79494	6.0	6.0	5.3	6.0	5.7	6.3	6.3	5.3	5.0	5.7	5.0	5.7
BAR PP 7K426	5.3	5.0	5.3	6.3	5.7	6.0	5.7	5.7	5.3	5.3	5.3	5.7
BAR PP 79366	5.3	5.0	4.7	5.7	6.0	6.3	5.3	5.7	5.3	5.3	5.3	5.6
BARVETTE HGT®	5.3	4.7	4.7	5.3	4.7	6.3	5.7	5.7	6.0	6.0	5.3	5.6
BOMBAY (GO-22B23)	5.0	5.7	5.3	6.0	6.0	5.7	6.3	5.0	5.3	5.3	5.3	5.6
DLFPS-340/3549	5.7	5.3	6.0	5.7	5.7	5.7	6.3	5.3	5.7	5.3	5.0	5.6
KENBLUE	4.7	3.7	4.0	5.3	5.7	5.7	5.3	6.0	6.0	6.0	4.7	5.6
KH3492	6.3	6.0	6.0	6.3	6.0	6.0	6.3	5.0	5.0	5.0	5.0	5.6
PST-K13-141	5.3	4.7	4.7	5.7	6.0	6.3	6.3	5.0	5.3	5.0	5.0	5.6
SHAMROCK	5.3	4.7	4.7	6.3	6.0	5.3	5.7	5.3	5.3	5.3	5.3	5.6
UNITED (NAI-13-14)	5.3	5.3	5.7	5.7	5.7	6.0	6.0	5.3	5.7	5.3	5.3	5.6
A11-38	5.0	5.3	4.7	6.3	6.0	5.7	5.3	5.7	5.0	5.3	5.0	5.5
BLUE DEVIL	6.0	6.0	5.7	5.3	5.7	6.0	5.7	5.3	5.3	5.0	5.3	5.5
CLOUD (GO-2425)	6.3	6.3	5.7	6.3	5.3	6.0	6.0	5.3	5.0	5.3	5.0	5.5
DLFPS-340/3444	5.7	5.7	5.3	5.3	6.0	5.7	5.7	5.3	5.3	5.7	5.3	5.5
JERSEY (NAI-A16-3)	4.3	4.7	4.3	5.7	5.3	5.7	4.7	5.0	6.0	5.7	6.0	5.5
NURUSH (J-3510)	6.0	5.7	5.3	5.7	5.3	5.7	5.7	5.0	5.7	5.3	5.3	5.5
STARR (GO-2628)	5.7	5.7	5.7	6.7	5.7	5.3	6.0	5.0	5.3	5.0	5.0	5.5
SYRAH (LTP-11-41)	5.7	6.3	6.0	6.7	5.3	4.3	5.0	6.0	5.7	5.7	5.7	5.5
BLUE GEM (NAI-13-9)	5.3	5.3	5.0	5.7	5.7	5.7	5.7	5.3	5.0	5.0	5.3	5.4
DLFPS-340/3455	4.3	4.3	4.3	5.7	5.7	6.3	6.0	5.0	5.0	5.0	4.7	5.4
PIVOT	5.3	5.3	5.3	5.3	5.3	5.3	6.3	5.3	5.3	5.3	5.0	5.4
PPG-KB 1131	6.7	5.0	5.7	5.7	5.3	5.0	5.3	5.7	5.3	5.7	5.3	5.4
BLUE KNIGHT	5.7	5.3	5.3	5.7	5.3	5.0	4.7	5.3	5.3	5.3	5.3	5.3
DLFPS-340/3551	4.7	4.3	4.3	6.0	5.7	5.7	6.0	4.7	5.0	4.7	4.7	5.3
PPG-KB 1320	5.3	5.0	4.7	5.3	5.7	5.7	5.3	5.3	5.0	5.0	5.0	5.3
PROSPERITY	5.7	5.0	5.3	5.7	5.0	5.0	5.7	5.3	5.3	5.3	5.3	5.3
RAD 553	5.0	5.3	4.7	6.0	5.7	6.0	5.7	4.7	5.0	4.7	4.7	5.3
A11-26	5.7	4.7	4.7	5.7	6.0	5.7	5.0	4.7	5.0	4.7	4.7	5.2
A11-40	4.7	5.0	5.0	6.0	5.3	5.3	5.7	5.0	5.0	4.7	4.7	5.2
A16-1	5.7	5.7	5.7	5.7	5.7	5.7	6.0	4.7	5.0	4.3	4.7	5.2
A16-2	5.7	5.0	5.3	5.3	5.3	6.0	6.0	4.3	5.0	4.7	4.7	5.2
BAR PP 71213	3.7	3.7	3.7	5.7	4.7	5.7	4.7	5.0	5.3	5.7	4.7	5.2
DLFPS-340/3552	4.7	4.7	4.3	5.3	5.0	6.0	5.7	5.0	5.0	4.7	4.7	5.2
PST-K15-172	5.0	4.3	4.0	4.7	4.7	5.7	5.3	5.0	5.3	5.7	5.3	5.2
TWILIGHT (NAI-13-132)	5.3	5.3	5.3	5.7	5.0	5.7	4.7	5.0	5.0	5.3	5.0	5.2
A15-6	4.7	5.0	5.0	5.0	5.3	5.7	6.0	4.7	5.0	4.7	4.7	5.1
DLFPS-340/3550	4.0	3.7	3.7	5.3	5.0	6.0	6.0	5.0	5.0	4.3	4.3	5.1

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS IN THE
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	WEAR TOLERANCE			QUALITY RATINGS									MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
SKYE	5.7	4.7	4.7	5.3	5.3	5.3	5.3	5.0	5.0	4.7	5.0	5.1	
A16-7	5.0	5.7	5.0	5.0	5.3	5.0	5.3	5.0	4.7	4.7	4.7	5.0	
BABE	5.0	4.7	5.0	5.3	5.3	4.7	4.7	4.7	5.0	5.7	5.0	5.0	
DLFPS-340/3364	4.7	4.3	4.3	5.0	5.0	5.0	6.0	4.7	4.7	5.0	4.7	5.0	
ELECTRIC (PST-K11-118)	4.0	4.3	4.0	5.0	5.3	6.0	6.0	4.3	4.7	4.7	4.3	5.0	
J-1319	5.3	5.0	5.3	5.3	5.3	5.3	5.3	4.7	4.7	4.7	4.7	5.0	
MIDNIGHT	5.3	5.0	5.7	5.0	4.7	5.7	5.3	5.0	5.0	4.7	5.0	5.0	
NEW MOON (PST-K15-177)	5.3	5.3	5.0	5.3	5.0	5.7	5.3	4.7	4.7	4.7	4.7	5.0	
ORION (PST-K13-143)	5.3	5.0	5.0	4.7	5.3	5.7	5.7	4.7	5.0	4.7	4.7	5.0	
RAD-1776	5.0	5.0	5.0	5.3	5.3	5.3	5.7	4.3	4.3	5.0	5.0	5.0	
PPG-KB 1304	5.0	4.3	5.0	5.3	5.7	5.3	5.3	4.3	4.3	4.3	4.3	4.9	
SELWAY	5.0	5.3	4.7	5.3	4.7	5.0	5.7	4.7	5.0	4.3	4.3	4.9	
A06-8	3.7	3.7	3.7	5.3	5.3	4.7	5.3	4.0	4.7	4.7	4.3	4.8	
A13-1	4.3	4.3	4.3	5.0	5.0	5.0	5.3	4.3	4.7	4.7	4.0	4.8	
A99-2897	4.7	4.0	4.3	4.7	5.0	5.3	5.3	4.3	4.3	4.7	4.7	4.8	
AKB3128	4.0	4.7	4.0	5.0	5.0	5.3	5.3	4.3	4.3	4.7	4.0	4.8	
DLFPS-340/3438	4.0	3.3	3.7	4.7	5.3	5.3	5.7	4.3	4.3	4.3	4.3	4.8	
PALOMA (PST-K13-139)	4.7	5.0	4.7	4.7	4.3	4.7	5.0	4.3	4.7	4.3	5.0	4.6	
PST-T14-39	4.7	5.3	4.7	5.0	4.7	4.3	4.7	4.3	4.3	4.7	4.7	4.6	
A12-34	4.0	4.0	4.3	4.7	4.7	5.0	4.7	4.3	4.3	4.3	4.3	4.5	
DUBLIN (PST-K15-157)	4.7	4.3	4.7	4.7	4.7	5.0	4.7	4.0	4.3	4.7	4.3	4.5	
A10-280	4.3	4.3	4.3	4.3	5.0	4.7	5.0	4.0	4.0	4.0	4.0	4.4	
AKB3179	4.0	4.0	3.7	4.3	4.3	4.7	5.3	4.0	4.3	4.0	4.0	4.4	
AVIATOR II (NAI-15-84)	4.0	4.0	4.7	5.0	4.7	4.7	4.3	4.0	4.0	4.3	4.0	4.4	
AKB3241	4.0	4.0	3.7	4.0	4.3	4.7	4.7	4.0	4.3	4.3	4.0	4.3	
BARSERATI (BAR PP 110358)	4.0	4.3	4.0	4.0	5.0	4.7	4.7	4.0	4.7	3.7	4.0	4.3	
DLFPS-340/3548	4.7	4.3	4.7	4.7	4.3	4.0	4.7	4.0	4.0	4.0	4.7	4.3	
DLFPS-340/3553	4.3	4.0	4.0	4.7	4.3	4.3	4.7	4.0	4.3	4.0	4.0	4.3	
NAI-15-80	4.3	4.0	4.3	4.0	4.3	4.7	5.0	4.0	4.3	4.3	4.0	4.3	
PST-K15-167	4.7	4.3	4.7	4.3	4.0	5.0	4.3	4.3	4.0	4.3	4.0	4.3	
DLFPS-340/3446	4.3	3.7	3.7	4.0	4.3	4.7	4.7	4.0	4.0	4.0	4.0	4.2	
NAI-14-128	5.0	4.7	4.7	4.3	4.3	4.3	4.3	4.0	4.0	4.0	4.0	4.2	
AMAZE (NAI-14-133)	4.7	4.7	5.0	4.3	4.3	4.0	4.0	4.0	4.3	4.0	3.7	4.1	
HEARTLAND (NAI-14-187)	5.0	5.3	4.7	4.0	4.0	4.3	4.3	4.0	4.3	4.0	4.0	4.1	
COMANCHE (NAI-14-176)	5.0	4.7	4.7	4.0	4.0	4.0	4.0	4.0	4.3	4.0	4.0	4.0	
MVS-130	4.3	4.3	3.7	4.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
NAI-14-122	4.7	4.7	4.7	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
NAI-14-132	5.0	5.0	4.7	4.3	4.0	4.0	4.0	4.0	4.3	3.3	4.0	4.0	
NK-1	3.7	3.7	3.7	4.3	4.0	4.3	4.0	4.0	4.3	3.3	3.7	4.0	
LSD VALUE	0.9	0.9	0.8	0.8	0.8	0.9	0.8	0.8	0.7	0.8	0.7	0.5	
C.V. (%)	10.7	11.1	10.8	10.1	9.3	10.2	9.8	10.4	9.0	10.2	9.1	6.0	

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

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

TABLE 12A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

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

NAME	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		PERCENT GREEN COVER		FULLNESS OF CANOPY	
	MAY 3 NO TRAFFIC	MAY 3 TRAFFIC	MAY 3 NO TRAFFIC	MAY 3 TRAFFIC	JUNE 15 NO TRAFFIC	JUNE 15 TRAFFIC	JUNE 15 NO TRAFFIC	JUNE 15 TRAFFIC	JUNE 15 NO TRAFFIC	JUNE 15 TRAFFIC
BARVETTE HGT®	8.7	8.7	96.3	83.3	9.0	8.0	77.3	70.3	97.7	78.3
BAR PP 7K426	9.0	7.7	91.7	65.0	9.0	7.3	84.7	84.0	99.0	70.0
PST-K15-172	8.7	6.7	95.0	61.7	9.0	6.7	86.7	80.3	99.0	65.0
BAR PP 7309V	8.7	6.7	90.0	56.7	9.0	6.7	81.3	72.7	99.0	61.7
DLFPS-340/3550	8.3	5.7	88.3	53.3	8.7	5.0	93.0	74.0	93.3	58.3
DLFPS-340/3552	8.7	6.7	90.0	58.3	8.7	6.0	83.3	73.0	93.0	58.3
PPG-KB 1131	8.7	6.3	90.0	60.0	9.0	5.7	88.0	81.7	99.0	58.3
BLUE DEVIL	8.7	6.3	93.3	58.3	9.0	5.0	87.3	70.7	99.0	55.0
FINISH LINE (NAI-14-178)	6.7	4.0	76.7	45.0	8.7	4.3	90.0	75.3	96.0	55.0
PROSPERITY	8.0	5.3	86.7	53.3	9.0	5.3	92.0	83.7	94.7	55.0
A11-40	9.0	5.7	96.3	56.7	9.0	5.3	90.3	63.0	99.0	53.3
A11-26	6.3	4.0	71.7	36.7	8.7	4.7	92.0	75.3	91.7	51.7
BLUE GEM (NAI-13-9)	9.0	6.0	95.0	58.3	9.0	5.0	87.0	68.0	97.7	51.7
J-1138	8.0	6.0	87.0	55.0	9.0	5.0	88.3	69.0	99.0	51.7
PST-K13-141	7.7	4.7	86.7	38.3	8.7	5.3	89.3	69.0	97.7	51.7
UNITED (NAI-13-14)	8.0	6.7	83.3	61.7	8.7	5.0	86.7	72.0	94.7	51.7
A16-17	6.3	5.0	61.7	51.7	8.0	4.7	89.0	76.3	78.3	50.0
DLFPS-340/3455	8.0	4.3	86.7	48.3	9.0	4.3	83.7	65.3	96.3	50.0
PST-K15-167	8.3	5.7	88.3	50.0	8.7	4.7	85.3	72.0	93.0	50.0
DLFPS-340/3500	7.3	5.3	76.7	36.7	8.7	4.0	94.7	74.3	97.7	48.3
NEW MOON (PST-K15-177)	9.0	5.7	95.0	53.3	9.0	4.7	90.0	64.0	97.7	48.3
AFTER MIDNIGHT	8.7	5.7	86.7	53.3	9.0	4.0	90.3	69.7	94.7	46.7
BOMBAY (GO-22B23)	8.0	5.7	83.3	48.3	9.0	4.0	91.0	61.0	99.0	46.7
DLFPS-340/3494	7.0	3.0	73.3	30.0	8.7	4.0	96.0	83.3	96.3	46.7
MIDNIGHT	8.7	6.0	91.7	56.7	9.0	4.3	86.7	61.7	99.0	46.7
BABE	6.3	4.3	71.7	41.7	9.0	3.7	88.3	59.7	99.0	45.0
BAR PP 71213	7.0	5.3	71.7	56.7	8.3	4.0	83.0	55.7	93.0	45.0
DLFPS-340/3556	6.3	4.0	63.3	40.0	7.7	4.0	92.7	70.3	85.0	45.0
A10-280	8.3	5.7	83.3	45.0	9.0	4.0	93.3	67.3	96.0	43.3
A13-1	6.7	4.0	71.7	36.7	8.0	3.3	94.3	71.3	93.0	43.3
A16-2	8.7	5.0	91.7	45.0	9.0	4.0	86.0	55.3	99.0	43.3
AKB3179	8.7	5.7	86.7	45.0	9.0	4.0	87.0	56.3	99.0	43.3
BAR PP 79494	8.3	6.0	86.7	58.3	9.0	3.7	88.0	65.3	95.0	43.3
CLOUD (GO-2425)	7.3	5.0	81.7	46.7	9.0	3.7	90.3	59.7	99.0	43.3
DLFPS-340/3549	7.0	5.0	73.3	43.3	8.7	4.0	83.7	51.7	97.7	43.3
JERSEY (NAI-A16-3)	7.3	5.3	80.0	45.0	9.0	4.3	89.3	61.7	97.7	43.3
MVS-130	6.7	3.3	70.0	38.3	8.3	3.0	90.3	63.7	93.0	43.3
NURUSH (J-3510)	9.0	6.7	96.3	61.7	9.0	4.7	84.7	68.0	99.0	43.3
SYRAH (LTP-11-41)	8.3	5.3	86.7	45.0	9.0	4.3	85.7	57.3	99.0	43.3
BAR PP 79366	7.0	4.3	70.0	36.7	8.7	3.7	94.7	71.0	88.3	41.7
DLFPS-340/3446	6.0	3.7	63.3	36.7	8.0	3.0	89.7	59.3	90.0	40.0
DLFPS-340/3551	8.3	4.7	88.3	48.3	8.3	4.0	91.3	64.0	86.7	40.0
KENBLUE	8.0	5.3	83.3	55.0	8.7	3.7	75.7	45.7	91.7	40.0
PALOMA (PST-K13-139)	7.0	4.3	71.7	36.7	9.0	3.7	85.0	58.7	97.7	40.0
PST-T14-39	7.0	3.0	63.3	28.3	8.3	2.7	90.3	58.3	94.7	40.0
RAD 553	6.3	3.3	65.0	38.3	8.0	3.7	84.7	46.3	94.7	40.0
ELECTRIC (PST-K11-118)	7.7	5.3	81.7	43.3	8.3	3.7	88.3	64.7	93.0	38.3
PST-11-7	8.7	5.7	86.7	55.0	9.0	4.7	92.7	80.3	97.7	38.3
A15-6	7.7	5.0	71.7	43.3	8.0	3.7	87.0	63.7	88.3	36.7
J-1319	8.0	5.0	83.3	38.3	8.7	3.0	94.7	54.0	94.7	36.7

TABLE 12A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

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

NAME	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		PERCENT GREEN COVER		FULLNESS OF CANOPY	
	MAY 3 NO TRAFFIC	MAY 3 TRAFFIC	MAY 3 NO TRAFFIC	MAY 3 TRAFFIC	JUNE 15 NO TRAFFIC	JUNE 15 TRAFFIC	JUNE 15 NO TRAFFIC	JUNE 15 TRAFFIC	JUNE 15 NO TRAFFIC	JUNE 15 TRAFFIC
KH3492	7.0	4.7	73.3	43.3	9.0	3.3	88.3	53.3	96.3	36.7
YELLOWSTONE (A12-7)	5.0	3.7	60.0	36.7	7.7	2.7	88.0	55.0	80.0	36.7
A99-2897	7.0	5.0	70.0	45.0	8.0	2.7	90.0	61.0	81.7	35.0
COMANCHE (NAI-14-176)	6.3	3.3	68.3	31.7	8.0	2.7	88.0	63.3	93.0	35.0
DLFPS-340/3438	7.3	4.7	75.0	46.7	7.7	3.7	85.0	60.3	83.3	35.0
SHAMROCK	7.3	4.7	71.7	40.0	8.7	3.0	85.3	50.0	96.0	35.0
TWILIGHT (NAI-13-132)	8.7	5.7	90.0	53.3	9.0	3.7	87.0	59.3	97.7	35.0
A16-7	7.7	4.3	80.0	48.3	9.0	3.7	91.3	59.0	93.3	33.3
DLFPS-340/3548	6.3	4.0	70.0	51.7	8.7	3.3	74.0	44.3	95.0	33.3
NAI-14-122	6.3	2.7	66.7	35.0	8.7	2.3	91.0	60.0	89.7	33.3
NAI-14-128	5.7	2.7	63.3	36.7	8.0	3.0	90.7	62.7	83.3	33.3
A11-38	5.7	3.7	56.7	38.3	7.3	3.3	88.7	54.7	81.7	31.7
DLFPS-340/3444	7.0	3.3	78.3	31.7	8.7	2.3	84.3	47.3	95.0	31.7
J-2726	8.3	4.0	80.0	36.7	8.3	3.3	90.3	59.0	91.3	31.7
SELWAY	8.7	4.7	88.3	38.3	9.0	3.3	91.3	56.3	99.0	31.7
AKB3128	8.0	4.7	78.3	46.7	8.3	3.3	89.0	50.7	93.3	30.0
AKB3241	8.7	4.3	90.0	40.0	9.0	2.7	92.0	42.0	97.7	30.0
BAR PP 7236V	9.0	6.3	93.3	60.0	9.0	2.7	81.0	38.7	96.3	30.0
BARSERATI (BAR PP 110358)	8.3	4.3	85.0	40.0	9.0	2.3	90.3	59.0	99.0	30.0
DUBLIN (PST-K15-157)	7.0	3.3	68.3	33.3	8.3	2.3	91.0	45.0	93.3	30.0
PIVOT	7.3	2.0	70.0	21.7	9.0	2.0	89.7	45.3	94.3	30.0
PPG-KB 1304	7.7	4.7	81.7	45.0	8.3	2.7	82.0	51.0	90.0	30.0
PPG-KB 1320	7.3	2.3	76.7	25.0	8.3	2.3	90.0	54.3	91.7	30.0
STARR (GO-2628)	7.7	4.7	83.3	36.7	9.0	2.0	89.0	41.0	99.0	30.0
A12-34	7.7	4.7	80.0	50.0	8.3	3.3	88.7	58.0	90.0	28.3
BLUE KNIGHT	5.3	1.7	55.0	21.7	7.0	2.3	88.7	46.7	80.0	28.3
RAD-1776	8.0	2.7	83.3	28.3	9.0	2.0	86.0	46.7	94.7	28.3
SKYE	8.0	4.3	78.3	40.0	9.0	2.3	86.7	34.3	99.0	28.3
A06-8	7.3	4.7	76.7	46.7	8.3	2.0	90.3	47.3	88.0	26.7
AMAZE (NAI-14-133)	5.7	2.7	60.0	25.0	7.7	1.7	91.7	50.0	78.3	26.7
DLFPS-340/3364	6.0	3.0	65.0	31.7	8.0	2.0	90.7	54.3	83.3	26.7
ORION (PST-K13-143)	7.0	2.3	75.0	28.3	9.0	2.3	87.7	51.0	97.7	26.7
A16-1	6.0	2.3	63.3	30.0	7.7	2.0	81.7	38.0	91.7	25.0
AVIATOR II (NAI-15-84)	7.0	3.3	68.3	33.3	8.0	1.7	89.3	45.0	90.0	25.0
HEARTLAND (NAI-14-187)	5.3	2.0	63.3	25.0	8.0	1.7	88.7	42.3	83.3	25.0
NAI-14-132	6.3	1.7	63.3	23.3	7.3	1.3	88.3	47.3	86.3	25.0
NAI-15-80	6.7	1.7	73.3	13.3	8.3	1.3	91.3	28.7	96.3	21.7
DLFPS-340/3553	8.3	2.7	90.0	28.3	9.0	1.0	88.3	35.3	97.7	20.0
NK-1	6.0	2.0	65.0	23.3	7.7	1.3	86.3	37.0	85.0	20.0
LSD VALUE	1.3	1.8	12.2	15.5	1.0	2.0	4.4	21.2	8.6	20.2
C.V. (%)	11.2	24.4	9.9	22.3	6.5	33.1	3.2	20.6	5.5	28.8

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 12B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

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

NAME	UNIFORMITY		PERCENT GREEN COVER		FULLNESS OF CANOPY	
	AUG 4 NO TRAFFIC	AUG 4 TRAFFIC	AUG 5 NO TRAFFIC	AUG 5 TRAFFIC	AUG 5 NO TRAFFIC	AUG 5 TRAFFIC
BARVETTE HGT®	9.0	7.0	73.7	42.7	99.0	73.3
PST-K15-172	9.0	7.0	81.7	63.7	99.0	71.7
BAR PP 7K426	9.0	5.7	82.7	54.0	99.0	63.3
PPG-KB 1131	9.0	6.0	91.7	72.7	99.0	63.3
DLFPS-340/3494	9.0	6.3	88.3	69.0	97.7	60.0
BAR PP 7309V	9.0	5.0	75.0	49.3	95.0	58.3
DLFPS-340/3552	9.0	5.3	87.3	55.0	94.7	58.3
DLFPS-340/3550	9.0	5.7	87.0	68.3	93.3	56.7
BLUE DEVIL	9.0	5.0	88.0	55.3	96.3	55.0
PST-K15-167	9.0	5.0	78.0	58.3	97.7	55.0
A16-17	8.0	4.7	82.3	58.0	89.7	53.3
DLFPS-340/3500	9.0	5.0	77.3	55.3	94.7	53.3
FINISH LINE (NAI-14-178)	9.0	5.0	81.0	51.7	97.7	53.3
PROSPERITY	9.0	4.7	72.3	54.0	97.7	48.3
PST-11-7	9.0	4.7	84.3	69.0	97.7	48.3
UNITED (NAI-13-14)	8.7	4.7	79.7	53.0	93.3	48.3
NEW MOON (PST-K15-177)	9.0	5.0	84.0	52.7	99.0	46.7
NURUSH (J-3510)	9.0	4.0	87.3	56.7	99.0	46.7
A13-1	8.3	4.3	80.3	55.3	91.7	45.0
MVS-130	8.7	3.3	51.3	37.0	93.3	45.0
A11-40	9.0	4.0	79.0	34.3	99.0	43.3
AFTER MIDNIGHT	9.0	3.7	83.7	46.0	96.3	43.3
BAR PP 79366	8.3	3.7	71.3	44.0	91.7	43.3
BLUE GEM (NAI-13-9)	9.0	4.0	88.3	49.3	95.0	43.3
KENBLUE	8.7	3.3	74.0	35.7	96.0	43.3
MIDNIGHT	9.0	4.0	88.0	45.0	96.3	43.3
DLFPS-340/3551	8.3	3.3	84.0	42.7	88.3	41.7
DLFPS-340/3556	8.7	3.7	78.7	40.0	86.7	41.7
STARR (GO-2628)	9.0	1.7	83.0	26.7	99.0	41.7
BAR PP 71213	8.7	3.3	64.3	31.7	96.3	40.0
ELECTRIC (PST-K11-118)	8.7	3.3	79.7	46.7	96.0	40.0
PST-K13-141	8.7	3.3	79.3	34.3	94.7	40.0
RAD 553	8.3	3.7	77.7	37.7	96.3	40.0
YELLOWSTONE (A12-7)	7.7	3.0	65.7	35.0	86.7	40.0
A11-38	8.7	3.3	81.0	35.7	94.7	38.3
A16-2	9.0	3.3	76.3	30.7	97.7	38.3
COMANCHE (NAI-14-176)	9.0	3.3	57.3	33.3	94.7	38.3
DLFPS-340/3438	8.3	3.3	77.0	37.3	88.3	38.3
J-1138	9.0	4.0	84.3	43.7	96.3	38.3
A10-280	9.0	3.0	83.0	38.7	94.7	36.7
A11-26	8.0	3.3	60.0	42.0	88.0	36.7
A15-6	7.7	3.0	85.3	40.0	90.0	36.7
AKB3179	9.0	3.0	65.0	32.0	96.0	36.7
DLFPS-340/3455	8.3	2.7	79.7	42.7	91.7	36.7
DLFPS-340/3549	9.0	3.3	73.3	33.3	97.7	36.7
NAI-14-122	8.7	3.0	64.3	35.0	95.0	36.7
SYRAH (LTP-11-41)	9.0	3.3	69.7	27.0	99.0	36.7
A99-2897	8.0	3.7	85.0	38.7	88.3	35.0
BABE	9.0	3.3	69.7	38.7	99.0	35.0
BAR PP 79494	9.0	3.7	84.3	42.3	93.0	35.0

TABLE 12B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
(CONT'D) GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

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

NAME	UNIFORMITY		PERCENT GREEN COVER		FULLNESS OF CANOPY	
	AUG 4 NO TRAFFIC	AUG 4 TRAFFIC	AUG 5 NO TRAFFIC	AUG 5 TRAFFIC	AUG 5 NO TRAFFIC	AUG 5 TRAFFIC
BOMBAY (GO-22B23)	9.0	3.0	89.0	47.0	99.0	35.0
CLOUD (GO-2425)	9.0	3.7	83.0	39.7	99.0	35.0
NAI-14-128	8.7	3.3	64.7	35.0	94.7	35.0
PST-T14-39	8.7	3.3	84.3	40.3	95.0	35.0
BLUE KNIGHT	8.3	2.7	76.0	35.3	88.3	33.3
JERSEY (NAI-A16-3)	9.0	3.7	77.7	34.0	99.0	33.3
KH3492	9.0	2.3	75.0	33.0	96.0	33.3
A12-34	8.3	3.0	87.7	43.0	90.0	31.7
NAI-14-132	8.7	3.3	60.0	33.3	94.7	31.7
SELWAY	9.0	2.7	87.3	42.7	99.0	31.7
TWILIGHT (NAI-13-132)	9.0	3.0	88.3	43.3	97.7	31.7
PALOMA (PST-K13-139)	9.0	2.3	74.0	28.0	99.0	30.0
SHAMROCK	9.0	2.7	64.3	32.3	97.7	30.0
AKB3241	8.0	2.0	72.7	22.0	94.7	28.3
BARSERATI (BAR PP 110358)	9.0	2.7	88.0	48.0	99.0	28.3
DLFPS-340/3548	9.0	2.3	76.0	34.7	96.3	28.3
J-1319	9.0	2.7	80.0	38.0	99.0	28.3
J-2726	8.3	2.3	73.3	40.0	89.7	28.3
ORION (PST-K13-143)	8.7	2.7	73.0	30.7	96.3	28.3
PPG-KB 1304	8.0	2.7	88.7	37.0	90.0	28.3
AMAZE (NAI-14-133)	8.3	2.7	68.3	25.0	93.0	26.7
HEARTLAND (NAI-14-187)	9.0	2.3	57.7	24.3	95.0	26.7
A16-7	8.7	1.7	83.3	32.0	90.0	25.0
AKB3128	9.0	3.0	72.3	27.3	97.7	25.0
AVIATOR II (NAI-15-84)	8.0	2.0	78.7	29.7	90.0	25.0
BAR PP 7236V	9.0	2.0	71.7	22.7	99.0	25.0
DLFPS-340/3364	8.0	2.3	77.0	36.0	90.0	25.0
PIVOT	9.0	2.3	78.0	27.3	96.3	25.0
PPG-KB 1320	9.0	2.3	84.3	35.0	99.0	25.0
A06-8	8.7	1.7	79.7	27.0	94.7	23.3
DLFPS-340/3446	8.3	2.3	66.0	29.3	91.7	23.3
RAD-1776	8.3	2.0	63.3	30.3	91.3	23.3
NK-1	7.7	2.0	77.7	22.3	83.3	21.7
A16-1	8.3	1.3	55.7	18.7	90.0	20.0
DLFPS-340/3444	8.7	1.7	70.0	30.3	91.7	20.0
DLFPS-340/3553	9.0	1.7	81.3	24.7	95.0	20.0
SKYE	9.0	1.3	76.0	18.0	97.7	20.0
DUBLIN (PST-K15-157)	8.7	1.0	80.3	15.7	97.7	15.0
NAI-15-80	8.3	1.0	73.7	19.0	93.3	15.0
LSD VALUE	0.7	1.9	10.7	22.3	6.9	18.7
C.V. (%)	4.5	34.6	8.7	32.0	4.1	29.7

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 12C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

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

NAME	DOLLAR SPOT		STEM RUST		UNIFORMITY		PERCENT GREEN COVER		FULLNESS OF CANOPY	
	NO TRAFFIC SEPTEMBER 1	TRAFFIC SEPTEMBER 28	NO TRAFFIC SEPTEMBER 28	TRAFFIC SEPTEMBER 28	NO TRAFFIC SEPTEMBER 1	TRAFFIC SEPTEMBER 1	NO TRAFFIC SEPTEMBER 3	TRAFFIC SEPTEMBER 3	NO TRAFFIC SEPTEMBER 1	TRAFFIC SEPTEMBER 1
BARVETTE HGT®	4.3	7.7	9.0	8.7	9.0	6.3	55.7	49.0	97.7	65.0
DLFPS-340/3494	5.7	8.7	8.7	6.0	9.0	6.3	85.7	66.7	97.7	65.0
PST-K15-172	7.7	9.0	8.7	8.3	9.0	6.3	57.7	55.3	99.0	61.7
DLFPS-340/3500	6.0	7.3	9.0	9.0	8.0	5.0	68.3	59.7	91.7	60.0
DLFPS-340/3550	8.7	9.0	9.0	6.0	8.7	5.3	91.3	68.0	93.3	60.0
FINISH LINE (NAI-14-178)	7.3	8.0	9.0	8.7	9.0	4.7	87.7	51.7	97.7	55.0
PPG-KB 1131	8.0	9.0	9.0	3.7	9.0	5.0	84.3	57.3	97.7	55.0
DLFPS-340/3552	9.0	9.0	8.3	6.7	8.7	5.3	80.3	57.3	93.3	53.3
BAR PP 7K426	8.7	9.0	9.0	6.7	8.7	5.0	80.3	52.7	95.0	50.0
PST-K15-167	8.0	9.0	8.7	4.7	8.3	4.3	64.3	54.3	97.7	50.0
NEW MOON (PST-K15-177)	8.0	9.0	8.3	7.7	9.0	4.3	75.7	40.0	97.7	48.3
PST-11-7	7.0	9.0	8.7	3.0	9.0	4.7	80.7	59.3	96.0	48.3
A16-17	7.3	8.7	9.0	9.0	8.3	4.3	81.7	52.0	93.3	46.7
BAR PP 7309V	6.3	9.0	8.7	8.0	8.7	4.7	65.0	45.7	93.3	46.7
PROSPERITY	7.3	9.0	9.0	4.0	8.7	3.0	45.7	32.7	94.3	43.3
UNITED (NAI-13-14)	8.0	9.0	9.0	8.3	8.3	4.3	80.3	41.7	91.3	43.3
AFTER MIDNIGHT	5.0	9.0	9.0	3.3	9.0	3.3	67.0	39.3	99.0	40.0
A13-1	8.7	9.0	9.0	8.7	7.7	3.3	71.7	45.0	83.3	38.3
BLUE DEVIL	7.7	9.0	9.0	7.0	9.0	3.3	83.0	41.7	96.3	38.3
DLFPS-340/3556	8.3	9.0	9.0	8.3	7.3	3.3	56.7	32.3	73.3	38.3
BAR PP 79366	6.7	7.3	9.0	8.0	7.7	3.3	59.3	40.0	90.0	36.7
KENBLUE	6.0	9.0	8.7	4.7	9.0	3.0	75.3	36.7	95.0	36.7
A10-280	8.7	9.0	9.0	9.0	9.0	2.7	79.3	30.3	95.0	33.3
A15-6	8.3	9.0	9.0	5.0	8.0	2.7	74.0	36.0	85.0	33.3
A99-2897	9.0	9.0	9.0	8.7	7.3	2.7	77.0	33.7	81.7	33.3
BLUE GEM (NAI-13-9)	8.3	9.0	9.0	6.0	9.0	3.3	89.3	34.7	96.0	33.3
MVS-130	9.0	9.0	8.3	6.0	8.3	3.0	36.0	29.7	86.7	33.3
NURUSH (J-3510)	7.3	9.0	9.0	2.3	9.0	3.0	83.3	40.7	99.0	33.3
RAD 553	5.3	8.0	8.7	4.0	8.3	2.7	77.3	37.0	93.3	33.3
BAR PP 71213	6.3	9.0	8.7	8.3	8.7	3.3	58.3	27.3	90.0	31.7
BAR PP 79494	7.0	9.0	9.0	7.0	9.0	2.3	84.3	33.3	91.7	31.7
BOMBAY (GO-22B23)	8.0	9.0	9.0	7.7	9.0	3.7	80.0	38.3	99.0	31.7
CLOUD (GO-2425)	8.3	9.0	9.0	7.7	8.7	3.0	57.7	30.3	97.7	31.7
ELECTRIC (PST-K11-118)	5.7	8.7	9.0	4.7	8.7	2.7	75.0	35.7	97.7	31.7
PST-K13-141	6.3	9.0	9.0	7.0	8.7	2.3	72.0	20.7	93.3	31.7
A11-26	8.0	9.0	9.0	7.7	8.0	2.7	56.7	31.0	89.7	30.0
COMANCHE (NAI-14-176)	9.0	9.0	8.7	5.0	8.0	2.7	34.3	28.7	85.0	30.0
DLFPS-340/3438	9.0	9.0	8.3	5.3	8.0	2.7	60.0	24.3	86.7	30.0
DLFPS-340/3455	8.3	9.0	9.0	4.7	8.3	2.7	76.7	40.0	90.0	30.0
DLFPS-340/3549	4.0	8.0	8.7	7.0	9.0	2.7	53.0	31.3	94.7	30.0
DLFPS-340/3551	9.0	9.0	9.0	6.0	7.7	2.7	79.0	30.7	81.7	30.0
MIDNIGHT	8.3	9.0	9.0	8.0	9.0	2.7	82.3	27.0	94.7	30.0
NAI-14-128	9.0	9.0	8.7	6.0	8.3	2.7	55.0	29.3	93.3	30.0
YELLOWSTONE (A12-7)	6.3	8.3	8.3	5.3	8.0	2.7	48.3	26.7	86.7	30.0
A11-38	5.0	7.0	9.0	5.3	9.0	2.7	69.0	32.7	96.3	28.3
A11-40	9.0	9.0	9.0	2.3	8.7	2.0	62.7	22.7	97.7	28.3
AKB3179	9.0	9.0	9.0	7.7	8.3	2.3	24.0	24.7	91.7	28.3
J-1138	7.0	9.0	9.0	8.7	9.0	2.7	85.7	30.0	96.3	28.3
NAI-14-122	9.0	9.0	8.3	7.7	8.0	2.7	43.3	29.0	90.0	28.3
SELWAY	6.3	9.0	8.3	6.7	9.0	2.3	79.0	38.7	99.0	28.3

TABLE 12C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/
2021 DATA

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

NAME	DOLLAR SPOT		STEM RUST		UNIFORMITY		PERCENT GREEN COVER		FULLNESS OF CANOPY	
	NO TRAFFIC SEPTEMBER 28	TRAFFIC SEPTEMBER 28	NO TRAFFIC SEPTEMBER 28	TRAFFIC SEPTEMBER 28	NO TRAFFIC SEPTEMBER 1	TRAFFIC SEPTEMBER 1	NO TRAFFIC SEPTEMBER 3	TRAFFIC SEPTEMBER 3	NO TRAFFIC SEPTEMBER 1	TRAFFIC SEPTEMBER 1
BABE	8.7	9.0	8.3	5.0	9.0	2.3	58.3	26.3	97.7	26.7
BARSERATI (BAR PP 110358)	7.0	9.0	8.7	7.3	9.0	2.0	88.0	39.0	95.0	26.7
ORION (PST-K13-143)	8.3	9.0	8.0	4.0	9.0	2.0	75.0	32.0	97.7	26.7
A12-34	9.0	9.0	8.7	6.0	8.0	2.3	77.7	33.7	83.3	25.0
BAR PP 7236V	6.3	9.0	8.7	8.0	9.0	1.3	77.7	17.3	97.7	25.0
BLUE KNIGHT	4.3	8.7	8.3	1.7	8.0	2.3	67.7	27.3	83.3	25.0
NAI-14-132	9.0	9.0	8.3	6.7	8.7	2.0	44.7	24.7	90.0	25.0
SYRAH (LTP-11-41)	9.0	9.0	8.7	7.0	8.0	2.0	35.3	19.0	89.7	25.0
DLFPS-340/3548	9.0	9.0	8.0	7.3	9.0	1.7	61.7	23.3	96.0	23.3
J-2726	7.3	9.0	9.0	1.3	8.0	2.0	36.3	21.0	89.7	23.3
NK-1	9.0	9.0	8.7	5.3	6.3	1.3	68.0	19.7	76.7	23.3
PPG-KB 1304	8.7	9.0	8.7	7.3	8.7	1.7	87.3	27.7	93.3	23.3
TWILIGHT (NAI-13-132)	8.3	9.0	9.0	7.0	9.0	2.0	86.0	29.0	93.3	23.3
AKB3128	9.0	9.0	9.0	7.0	8.3	1.7	68.0	19.7	91.7	21.7
DLFPS-340/3364	8.3	9.0	9.0	5.0	7.7	1.7	62.0	24.3	78.3	21.7
DLFPS-340/3444	8.7	9.0	8.0	4.7	7.7	1.7	61.0	26.3	85.0	21.7
HEARTLAND (NAI-14-187)	9.0	9.0	8.0	5.3	8.3	1.7	37.3	17.0	90.0	21.7
JERSEY (NAI-A16-3)	7.0	9.0	9.0	8.7	9.0	1.7	56.3	24.7	99.0	21.7
PALOMA (PST-K13-139)	7.3	9.0	9.0	8.7	9.0	1.7	75.3	21.3	96.3	21.7
PST-T14-39	8.7	9.0	8.7	4.3	8.3	2.7	68.3	32.0	93.3	21.7
A16-2	8.7	9.0	8.7	8.7	9.0	2.7	62.7	18.0	99.0	20.0
AKB3241	9.0	9.0	9.0	2.0	7.7	1.0	58.0	15.7	86.7	20.0
DLFPS-340/3553	7.3	9.0	8.7	2.7	8.7	1.0	68.3	19.7	93.3	20.0
KH3492	7.7	9.0	9.0	6.7	9.0	1.7	67.7	19.3	99.0	20.0
SHAMROCK	9.0	9.0	8.0	3.3	8.3	1.7	49.3	22.3	91.3	20.0
A06-8	8.7	9.0	9.0	6.7	8.3	1.0	77.7	17.3	91.7	18.3
A16-7	8.3	9.0	9.0	6.7	8.0	1.7	79.0	21.7	78.3	18.3
DLFPS-340/3446	9.0	9.0	9.0	3.3	7.3	1.3	54.3	16.3	80.0	18.3
RAD-1776	8.7	9.0	8.7	6.7	8.3	1.7	50.7	18.0	90.0	18.3
SKYE	7.3	9.0	9.0	6.0	9.0	1.0	62.3	12.7	97.7	18.3
STARR (GO-2628)	7.0	9.0	8.7	6.7	9.0	1.7	68.3	18.0	99.0	18.3
NAI-15-80	8.7	8.7	8.3	3.7	7.0	1.0	56.7	17.0	75.0	16.7
PPG-KB 1320	7.7	9.0	5.3	1.3	9.0	1.3	62.3	18.7	99.0	16.7
AMAZE (NAI-14-133)	8.7	9.0	8.0	5.7	7.0	1.3	40.7	16.3	81.7	15.0
J-1319	8.7	9.0	9.0	6.7	8.7	1.7	64.3	22.0	88.3	15.0
A16-1	8.7	9.0	8.7	4.7	6.7	1.0	44.3	11.3	76.7	13.3
AVIATOR II (NAI-15-84)	9.0	9.0	8.3	7.0	7.3	1.0	59.7	17.0	80.0	13.3
PIVOT	8.7	9.0	7.7	2.0	9.0	1.3	60.0	11.3	99.0	13.3
DUBLIN (PST-K15-157)	9.0	9.0	9.0	6.7	8.3	1.0	51.3	8.0	91.7	11.7
LSD VALUE	3.3	1.0	0.7	2.7	1.0	2.3	18.3	26.8	9.0	19.7
C.V. (%)	20.3	5.5	4.8	27.7	7.0	49.5	17.5	46.4	6.0	38.0

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 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	JUN	QUALITY RATINGS					MEAN
									JUL	AUG	SEP	OCT	NOV	
BAR PP 7309V	5.7	6.0	5.0	6.3	6.3	5.3	6.7	6.3	7.0	6.7	6.0	6.7	7.0	6.5
DLFPS-340/3494	5.7	6.7	5.3	6.0	6.3	5.3	6.3	6.3	6.7	6.3	6.3	6.7	6.7	6.3
DLFPS-340/3455	6.0	5.7	5.7	6.3	5.7	5.7	6.0	6.3	6.3	6.0	6.3	6.3	6.3	6.2
STARR (GO-2628)	6.3	6.0	5.7	6.3	5.7	6.0	5.7	5.7	6.3	6.7	6.7	6.3	6.3	6.2
A16-17	6.3	6.0	5.3	5.3	6.0	5.3	6.0	6.0	6.7	6.3	6.0	6.3	6.0	6.1
JERSEY (NAI-A16-3)	5.3	5.0	5.0	5.7	5.3	5.0	5.7	5.7	6.3	6.7	6.0	6.3	6.3	6.0
YELLOWSTONE (A12-7)	6.7	5.3	6.0	6.3	5.7	6.0	5.7	5.7	6.3	6.3	6.0	6.0	6.0	6.0
J-2726	5.7	6.0	4.7	6.3	4.3	4.7	5.7	5.7	6.7	6.3	6.7	5.7	6.0	5.9
DLFPS-340/3446	5.7	5.7	4.7	6.0	4.7	5.0	5.7	5.3	6.3	6.3	6.3	5.7	5.7	5.8
A06-8	5.7	5.0	5.7	6.3	4.0	5.7	5.3	5.3	6.0	6.3	5.7	5.3	6.0	5.7
AFTER MIDNIGHT	5.0	5.7	4.7	5.7	5.0	5.0	5.3	5.7	6.0	5.7	5.7	5.7	6.0	5.6
A11-38	5.7	4.7	4.7	5.3	6.0	5.3	5.0	5.0	5.7	5.3	5.3	6.0	6.3	5.5
BAR PP 7K426	5.3	5.3	4.3	5.3	4.3	4.7	5.3	4.7	6.0	5.7	6.0	5.3	6.0	5.5
UNITED (NAI-13-14)	6.0	6.0	6.0	4.7	4.3	5.3	5.3	5.0	5.7	5.7	5.3	5.3	6.0	5.5
A16-2	5.7	5.3	5.3	5.7	4.3	5.3	5.0	5.0	5.7	5.7	5.7	5.0	5.7	5.4
RAD-1776	6.0	5.3	5.0	6.7	5.3	5.0	5.7	6.0	5.7	5.3	4.7	5.3	5.3	5.4
A13-1	6.0	5.3	5.3	5.3	4.0	5.7	5.3	5.0	5.7	5.3	5.0	5.0	5.3	5.3
A99-2897	6.0	6.0	4.7	6.7	4.3	4.7	5.0	5.0	6.3	5.7	5.0	4.7	5.7	5.3
AKB3128	6.7	5.3	6.0	5.0	4.0	5.7	5.0	5.0	5.7	5.3	5.3	4.7	5.7	5.3
BAR PP 79494	6.0	5.3	5.3	5.7	4.7	5.3	5.0	5.0	5.3	5.3	5.7	5.0	5.3	5.3
BARVETTE HGT®	5.0	5.7	4.3	6.3	4.0	4.3	5.3	5.3	5.7	5.7	5.3	5.0	5.3	5.3
BOMBAY (GO-22B23)	6.3	5.7	5.3	6.0	5.0	5.3	5.3	5.3	5.3	5.3	5.0	5.0	5.7	5.3
J-1138	5.7	5.7	7.0	5.3	5.3	5.7	5.0	5.0	5.3	5.3	4.7	5.3	5.7	5.3
PST-11-7	6.0	5.7	5.3	5.0	4.7	5.0	5.0	5.0	6.0	5.7	5.0	5.0	5.3	5.3
PST-K13-141	6.3	5.3	4.7	5.3	5.3	5.3	4.7	5.0	5.7	5.3	5.3	5.3	5.3	5.3
SELWAY	5.3	5.0	5.0	5.3	5.0	5.0	5.3	5.0	5.0	5.0	5.7	5.7	6.0	5.3
A10-280	5.7	4.7	5.0	5.3	4.0	5.0	5.0	5.0	5.7	5.3	5.3	5.0	5.3	5.2
A12-34	5.7	5.3	5.7	5.3	4.0	5.3	5.0	5.3	5.3	5.3	4.7	5.0	5.7	5.2
AKB3179	6.0	6.0	5.0	5.3	5.0	5.0	5.0	5.0	5.3	5.7	5.0	5.3	5.3	5.2
AKB3241	5.7	4.7	4.7	6.0	5.0	5.0	5.0	5.0	5.7	5.3	5.0	5.0	5.7	5.2
DLFPS-340/3549	5.7	5.0	5.3	4.3	4.0	5.0	5.0	5.0	5.7	5.0	5.3	5.0	5.3	5.2
NAI-14-128	7.0	5.7	5.3	5.3	4.0	5.7	5.3	5.0	5.3	5.3	5.0	4.7	5.0	5.2
PIVOT	5.7	5.3	5.3	6.0	5.0	5.0	5.0	5.0	5.7	5.3	5.0	5.0	5.3	5.2
PPG-KB 1320	5.3	5.0	5.3	5.7	5.3	5.0	5.0	5.0	5.7	5.3	5.0	5.3	5.3	5.2
PST-K15-172	5.7	4.7	6.0	4.7	4.0	5.7	5.3	5.0	5.3	5.0	5.0	4.7	5.3	5.2
BAR PP 7236V	4.7	4.3	4.7	4.7	4.7	5.0	4.7	5.0	5.0	5.7	5.0	5.3	5.3	5.1
DLFPS-340/3556	6.3	4.3	5.3	5.3	4.3	5.3	4.7	5.0	5.7	5.0	5.0	5.0	5.0	5.1
NK-1	4.7	4.7	4.7	5.7	4.0	4.7	5.0	5.0	5.7	5.3	5.0	4.7	5.3	5.1
TWILIGHT (NAI-13-132)	4.7	4.7	5.3	5.0	4.3	5.0	5.0	4.7	5.3	5.0	5.3	5.0	5.3	5.1
BLUE GEM (NAI-13-9)	4.3	6.0	4.0	4.7	4.7	4.0	5.3	5.0	5.3	5.0	5.0	5.0	5.7	5.0
DLFPS-340/3551	5.3	5.0	4.7	4.3	4.3	4.7	4.7	5.3	5.0	5.3	5.0	5.0	5.3	5.0
J-1319	4.7	5.0	4.0	6.0	4.3	4.0	5.0	5.0	6.0	5.3	5.0	4.3	5.3	5.0
KH3492	4.3	4.7	5.0	5.7	4.0	4.3	5.0	5.0	5.7	5.7	4.7	4.7	5.3	5.0
NAI-14-132	4.7	6.0	4.3	5.0	5.0	4.3	5.0	4.7	5.3	5.0	5.3	5.3	5.0	5.0
PALOMA (PST-K13-139)	4.7	5.0	4.7	5.7	4.3	4.7	5.0	5.0	5.3	5.0	5.0	5.0	5.3	5.0
RAD 553	5.0	5.0	5.0	5.7	4.7	5.0	5.0	4.7	5.0	5.7	5.3	4.7	5.0	5.0
DLFPS-340/3364	5.7	3.7	5.3	5.0	4.3	5.0	4.0	4.7	5.0	5.3	4.7	5.0	5.3	4.9
DLFPS-340/3500	5.0	4.3	5.7	5.3	4.3	5.0	4.7	4.3	5.0	5.0	5.3	5.0	4.7	4.9
DLFPS-340/3550	5.3	5.3	4.7	5.3	4.0	4.7	5.0	5.0	5.0	5.0	5.0	5.0	4.7	4.9
NURUSH (J-3510)	5.3	5.3	4.3	5.0	4.0	4.7	5.0	4.7	5.3	5.0	4.7	4.7	5.0	4.9

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	QUALITY JUN	RATINGS JUL	AUG	SEP	OCT	NOV	MEAN
PPG-KB 1304	5.3	5.3	5.3	4.7	4.3	5.0	5.0	4.7	5.3	5.0	4.7	4.7	5.0	4.9
A15-6	5.0	5.0	4.7	5.3	4.0	4.7	5.0	4.7	5.3	5.0	4.3	4.7	4.7	4.8
BAR PP 79366	5.0	6.0	4.0	5.0	4.3	4.3	4.7	4.7	5.3	5.0	4.7	5.3	4.7	4.8
CLOUD (GO-2425)	5.0	4.7	4.0	5.3	4.3	4.0	5.0	4.7	5.0	5.3	4.7	4.7	5.0	4.8
FINISH LINE (NAI-14-178)	4.7	5.7	4.3	5.3	4.0	4.3	4.7	4.7	5.3	5.3	4.7	4.7	4.3	4.8
NAI-14-122	5.0	4.3	4.7	4.7	5.0	5.0	4.0	4.7	5.0	4.7	4.7	5.3	4.7	4.8
BARSERATI (BAR PP 110358)	5.3	5.3	4.3	5.3	4.3	4.3	4.3	4.7	5.0	5.0	4.7	4.3	5.0	4.7
DLFPS-340/3444	5.7	5.3	5.0	4.3	4.7	4.7	4.7	4.3	4.7	4.7	4.7	5.3	4.7	4.7
DLFPS-340/3552	5.7	5.3	4.0	5.3	4.3	4.3	4.3	4.7	5.0	4.3	5.0	4.7	5.3	4.7
HEARTLAND (NAI-14-187)	5.0	5.7	4.7	5.3	4.7	4.0	4.7	4.7	5.0	5.0	4.3	4.7	5.0	4.7
MVS-130	5.7	4.7	5.0	5.0	4.0	5.0	4.7	4.3	5.3	4.7	4.7	4.3	4.7	4.7
PPG-KB 1131	4.7	5.3	4.3	5.0	4.0	4.3	4.7	4.3	5.0	4.7	4.7	4.7	5.3	4.7
PROSPERITY	5.0	3.7	4.7	4.7	4.3	4.7	3.7	5.0	5.3	5.0	4.3	4.3	5.0	4.7
PST-K15-167	5.0	4.7	4.0	5.3	4.3	4.3	4.7	4.3	5.0	4.7	4.3	4.7	5.0	4.6
SYRAH (LTP-11-41)	5.3	5.3	4.7	5.3	4.0	4.7	4.3	4.3	5.3	4.3	4.3	4.7	4.7	4.6
BABE	4.7	4.7	5.0	4.7	4.0	4.7	4.3	4.3	4.7	5.0	4.7	4.0	4.3	4.5
COMANCHE (NAI-14-176)	5.3	4.7	4.3	5.3	4.0	4.0	4.3	4.3	5.0	4.3	5.0	4.3	4.3	4.5
DLFPS-340/3438	5.7	5.3	5.0	4.3	4.3	5.0	4.3	4.3	4.3	4.7	4.3	4.7	4.7	4.5
NEW MOON (PST-K15-177)	4.3	5.0	4.0	5.0	4.0	4.0	4.3	4.7	5.0	5.0	5.0	4.0	4.3	4.5
ORION (PST-K13-143)	5.3	4.7	4.3	5.3	4.0	4.7	4.3	4.3	4.7	4.7	4.7	4.3	4.3	4.5
PST-T14-39	5.3	4.7	4.7	4.3	4.3	4.7	4.3	4.3	4.3	4.7	4.3	4.7	4.3	4.5
A11-40	5.0	4.3	4.0	5.0	4.3	4.0	4.3	4.3	4.7	5.0	4.3	4.3	4.3	4.4
A16-1	4.0	5.0	4.3	4.3	4.0	4.0	4.3	4.0	4.7	5.0	4.7	4.0	4.3	4.4
BAR PP 71213	5.0	4.7	4.3	4.7	4.7	4.0	4.3	4.3	4.7	4.3	4.3	4.7	4.7	4.4
BLUE DEVIL	6.0	4.7	4.3	4.3	4.0	4.7	4.0	4.0	4.7	4.7	4.3	4.3	4.3	4.4
ELECTRIC (PST-K11-118)	5.3	4.7	4.3	4.3	5.0	4.3	4.3	4.3	4.3	4.7	4.3	4.7	4.0	4.4
KENBLUE	5.7	4.3	4.0	4.3	4.0	4.7	4.3	4.0	4.7	4.7	4.3	4.3	4.3	4.4
SHAMROCK	5.3	5.0	5.0	4.7	4.0	4.7	4.3	4.3	4.3	4.0	4.0	4.7	5.0	4.4
AMAZE (NAI-14-133)	5.7	4.3	4.0	4.7	4.0	4.3	4.0	4.3	4.3	4.3	4.3	4.0	4.3	4.3
BLUE KNIGHT	5.0	4.3	4.0	4.3	5.0	4.0	4.0	4.0	4.3	4.7	4.3	4.7	4.0	4.3
DLFPS-340/3548	4.7	5.0	4.0	5.0	4.0	4.0	4.0	4.0	4.7	4.7	4.3	4.3	4.3	4.3
SKYE	5.0	4.7	5.0	4.0	4.0	4.7	4.0	4.3	4.3	4.7	4.3	4.0	4.0	4.3
A16-7	5.0	4.0	4.0	4.7	4.0	4.3	4.0	4.0	4.7	4.3	4.0	4.0	4.3	4.2
AVIATOR II (NAI-15-84)	5.3	4.3	4.3	4.3	4.0	4.3	4.0	4.3	4.3	4.3	4.0	4.0	4.3	4.2
DLFPS-340/3553	5.3	4.3	4.3	4.7	4.0	4.3	4.0	4.0	4.3	4.0	4.0	4.0	4.7	4.2
NAI-15-80	3.7	4.3	4.0	4.3	4.0	4.0	4.0	4.0	5.0	4.0	4.0	4.0	4.3	4.2
A11-26	4.7	4.7	4.0	4.7	4.0	4.0	4.0	4.0	4.0	4.3	4.0	4.0	3.7	4.0
DUBLIN (PST-K15-157)	4.7	4.3	4.0	4.7	4.0	4.0	3.7	4.3	4.3	4.0	4.0	4.0	4.0	4.0
MIDNIGHT	4.0	4.7	4.7	4.7	4.0	3.7	4.0	4.0	4.3	4.0	4.3	4.0	4.0	4.0
LSD VALUE	6.8	2.3	3.4	4.5	3.2	3.8	2.5	2.8	2.9	4.2	3.9	3.8	4.9	2.8
C.V. (%)	23.3	16.9	20.4	20.9	21.0	19.5	18.4	18.0	18.4	20.8	21.2	21.2	23.1	17.4

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 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN UNDER SHADE AT AMES, IA 1/
2021 DATA

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

NAME	COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	NAME	COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER
BAR PP 7309V	5.7	8.0	7.3	DLFPS-340/3364	4.3	6.0	6.7
DLFPS-340/3494	6.3	7.0	7.0	DLFPS-340/3500	5.0	7.0	5.3
DLFPS-340/3455	6.3	6.7	6.7	DLFPS-340/3550	5.0	6.7	6.0
STARR (GO-2628)	6.3	7.3	7.3	NURUSH (J-3510)	5.3	5.7	6.0
A16-17	6.3	7.3	7.3	PPG-KB 1304	5.3	6.3	6.3
JERSEY (NAI-A16-3)	6.3	7.7	7.3	A15-6	4.7	6.3	5.3
YELLOWSTONE (A12-7)	6.3	7.3	7.0	BAR PP 79366	5.7	7.0	6.0
J-2726	7.0	7.7	7.0	CLOUD (GO-2425)	5.3	5.7	5.3
DLFPS-340/3446	6.7	6.7	6.3	FINISH LINE (NAI-14-178)	6.0	6.3	6.0
A06-8	6.0	6.7	6.3	NAI-14-122	5.0	6.0	5.0
AFTER MIDNIGHT	6.7	7.3	7.0	BARSERATI (BAR PP 110358)	5.7	5.7	5.3
A11-38	5.3	6.7	8.0	DLFPS-340/3444	5.3	6.7	6.0
BAR PP 7K426	5.7	7.0	7.0	DLFPS-340/3552	5.3	6.0	7.0
UNITED (NAI-13-14)	5.3	6.3	6.7	HEARTLAND (NAI-14-187)	5.7	6.3	6.3
A16-2	5.7	5.7	6.0	MVS-130	5.3	5.7	6.7
RAD-1776	5.3	7.0	6.0	PPG-KB 1131	5.7	6.0	6.7
A13-1	5.0	5.7	5.7	PROSPERITY	4.0	5.3	5.7
A99-2897	5.3	5.7	7.0	PST-K15-167	4.7	6.0	6.7
AKB3128	5.7	6.3	7.0	SYRAH (LTP-11-41)	5.7	5.7	6.0
BAR PP 79494	6.7	6.0	5.7	BABE	5.0	5.3	6.0
BARVETTE HGT®	5.7	6.3	6.7	COMANCHE (NAI-14-176)	6.3	5.7	5.3
BOMBAY (GO-22B23)	5.3	6.7	6.7	DLFPS-340/3438	6.0	5.7	5.0
J-1138	5.3	6.7	6.7	NEW MOON (PST-K15-177)	6.3	5.0	5.3
PST-11-7	6.0	6.7	6.0	ORION (PST-K13-143)	6.0	6.0	5.3
PST-K13-141	5.3	6.0	5.7	PST-T14-39	5.3	5.7	5.0
SELWAY	6.0	6.7	7.0	A11-40	5.7	5.7	4.3
A10-280	5.0	5.7	6.0	A16-1	5.3	5.0	4.3
A12-34	4.7	6.7	7.0	BAR PP 71213	6.0	5.3	5.7
AKB3179	5.0	6.7	6.7	BLUE DEVIL	5.7	6.0	5.3
AKB3241	4.3	6.0	6.3	ELECTRIC (PST-K11-118)	4.7	5.3	4.7
DLFPS-340/3549	6.0	6.3	6.7	KENBLUE	5.3	5.7	5.7
NAI-14-128	5.3	6.0	5.7	SHAMROCK	4.7	6.0	6.0
PIVOT	5.0	6.3	5.7	AMAZE (NAI-14-133)	5.3	5.0	5.7
PPG-KB 1320	5.7	6.3	5.3	BLUE KNIGHT	5.7	5.7	4.7
PST-K15-172	6.0	6.3	6.7	DLFPS-340/3548	5.3	5.3	5.3
BAR PP 7236V	5.3	6.7	6.0	SKYE	6.0	4.7	4.0
DLFPS-340/3556	5.3	5.7	5.3	A16-7	5.3	5.0	5.0
NK-1	5.3	6.0	6.3	AVIATOR II (NAI-15-84)	4.0	4.3	5.3
TWILIGHT (NAI-13-132)	5.0	6.3	6.7	DLFPS-340/3553	5.0	4.7	6.3
BLUE GEM (NAI-13-9)	5.7	6.0	6.3	NAI-15-80	4.7	4.7	5.0
DLFPS-340/3551	5.0	5.3	5.7	A11-26	5.7	5.0	4.0
J-1319	5.7	6.7	7.3	DUBLIN (PST-K15-157)	4.3	4.3	4.7
KH3492	4.3	6.0	6.0	MIDNIGHT	4.7	4.0	3.3
NAI-14-132	6.7	7.0	6.3				
PALOMA (PST-K13-139)	6.0	6.3	7.0	LSD VALUE	2.8	5.0	6.2
RAD 553	5.7	6.3	5.3	C.V. (%)	17.3	21.5	25.1

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 14A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
AT WEST LAFAYETTE (BILLBUGS STUDY), IN 1/
2021 DATA

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

NAME	BILLBUGS	NAME	BILLBUGS
A06-8	9.0	AKB3179	8.7
A10-280	9.0	BAR PP 71213	8.7
A11-38	9.0	BAR PP 7236V	8.7
A11-40	9.0	BARSERATI (BAR PP 110358)	8.7
A12-34	9.0	BLUE DEVIL	8.7
A15-6	9.0	BLUE GEM (NAI-13-9)	8.7
A16-17	9.0	COMANCHE (NAI-14-176)	8.7
A16-2	9.0	DLFPS-340/3364	8.7
AMAZE (NAI-14-133)	9.0	JERSEY (NAI-A16-3)	8.7
BABE	9.0	KH3492	8.7
BAR PP 7309V	9.0	NEW MOON (PST-K15-177)	8.7
BAR PP 79494	9.0	NK-1	8.7
BARVETTE HGT®	9.0	PIVOT	8.7
BOMBAY (GO-22B23)	9.0	PPG-KB 1304	8.7
DLFPS-340/3438	9.0	PROSPERITY	8.7
DLFPS-340/3446	9.0	PST-K15-167	8.7
DLFPS-340/3494	9.0	PST-K15-172	8.7
DLFPS-340/3500	9.0	SHAMROCK	8.7
DLFPS-340/3549	9.0	AFTER MIDNIGHT	8.5
DLFPS-340/3550	9.0	A16-7	8.3
DLFPS-340/3551	9.0	AKB3241	8.3
DLFPS-340/3552	9.0	DLFPS-340/3444	8.3
DLFPS-340/3556	9.0	DLFPS-340/3548	8.3
ELECTRIC (PST-K11-118)	9.0	DLFPS-340/3553	8.3
FINISH LINE (NAI-14-178)	9.0	MIDNIGHT	8.3
HEARTLAND (NAI-14-187)	9.0	SELWAY	8.3
J-1319	9.0	YELLOWSTONE (A12-7)	8.3
J-2726	9.0	A11-26	8.0
MVS-130	9.0	A16-1	8.0
NAI-14-122	9.0	AVIATOR II (NAI-15-84)	8.0
NAI-14-132	9.0	BLUE KNIGHT	8.0
NAI-15-80	9.0	KENBLUE	8.0
ORION (PST-K13-143)	9.0	NAI-14-128	8.0
PPG-KB 1320	9.0	NURUSH (J-3510)	8.0
PST-11-7	9.0	PALOMA (PST-K13-139)	8.0
PST-K13-141	9.0	PPG-KB 1131	8.0
PST-T14-39	9.0	BAR PP 7K426	7.7
RAD-1776	9.0	RAD 553	7.7
SKYE	9.0	J-1138	7.5
STARR (GO-2628)	9.0	DLFPS-340/3455	7.3
SYRAH (LTP-11-41)	9.0	BAR PP 79366	6.7
TWILIGHT (NAI-13-132)	9.0	DUBLIN (PST-K15-157)	6.7
UNITED (NAI-13-14)	9.0	CLOUD (GO-2425)	6.3
A13-1	8.7		
A99-2897	8.7	LSD VALUE	5.5
AKB3128	8.7	C.V. (%)	12.2

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

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

TABLE 14B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
AT WEST LAFAYETTE (BILLBUGS STUDY), IN 1/
2020 DATA

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

NAME	BILLBUGS	NAME	BILLBUGS
A11-26	9.0	J-1138	8.0
AKB3241	9.0	NAI-15-80	8.0
AMAZE (NAI-14-133)	9.0	PIVOT	8.0
BARSERATI (BAR PP 110358)	9.0	PPG-KB 1304	8.0
BARVETTE HGT®	9.0	PPG-KB 1320	8.0
BLUE GEM (NAI-13-9)	9.0	PROSPERITY	8.0
DLFPS-340/3444	9.0	SKYE	8.0
JERSEY (NAI-A16-3)	9.0	A06-8	7.7
KENBLUE	9.0	A11-40	7.7
NAI-14-128	9.0	DLFPS-340/3446	7.7
NEW MOON (PST-K15-177)	9.0	DLFPS-340/3549	7.7
PALOMA (PST-K13-139)	9.0	DLFPS-340/3556	7.7
PST-K15-172	9.0	PST-K13-141	7.7
RAD-1776	9.0	PST-K15-167	7.7
SYRAH (LTP-11-41)	9.0	A16-2	7.3
YELLOWSTONE (A12-7)	9.0	AKB3179	7.3
A13-1	8.7	AVIATOR II (NAI-15-84)	7.3
A16-17	8.7	KH3492	7.3
BAR PP 7236V	8.7	MVS-130	7.3
BAR PP 79366	8.7	NK-1	7.3
COMANCHE (NAI-14-176)	8.7	STARR (GO-2628)	7.3
DLFPS-340/3500	8.7	A15-6	7.0
DLFPS-340/3548	8.7	A99-2897	7.0
DLFPS-340/3550	8.7	BAR PP 71213	7.0
ELECTRIC (PST-K11-118)	8.7	BAR PP 7309V	7.0
NAI-14-132	8.7	DLFPS-340/3455	7.0
TWILIGHT (NAI-13-132)	8.7	DLFPS-340/3494	7.0
A10-280	8.3	J-1319	7.0
A12-34	8.3	J-2726	7.0
A16-1	8.3	BABE	6.7
BAR PP 79494	8.3	HEARTLAND (NAI-14-187)	6.7
BLUE DEVIL	8.3	FINISH LINE (NAI-14-178)	6.5
DLFPS-340/3364	8.3	AKB3128	6.3
MIDNIGHT	8.3	BLUE KNIGHT	6.3
NAI-14-122	8.3	CLOUD (GO-2425)	6.3
ORION (PST-K13-143)	8.3	UNITED (NAI-13-14)	6.3
PST-T14-39	8.3	DLFPS-340/3553	6.0
SELWAY	8.3	PPG-KB 1131	6.0
SHAMROCK	8.3	RAD 553	6.0
A11-38	8.0	BAR PP 7K426	5.7
AFTER MIDNIGHT	8.0	PST-11-7	5.7
BOMBAY (GO-22B23)	8.0	NURUSH (J-3510)	4.5
DLFPS-340/3438	8.0	A16-7	4.3
DLFPS-340/3551	8.0		
DLFPS-340/3552	8.0	LSD VALUE	5.1
DUBLIN (PST-K15-157)	8.0	C.V. (%)	20.3

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

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

TABLE 15.

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/												
	CT1	IA1	MI1	MN1	NC1	ND1	NE1	NJ1	NJ2	OK1	TN1	UT1	MEAN
AFTER MIDNIGHT	7.7	7.3	7.7	9.0	8.0	6.0	8.0	9.0	7.0	7.3	7.7	8.3	7.8
PROSPERITY	8.0	8.0	8.0	7.3	6.3	5.0	8.0	9.0	6.7	6.3	8.3	9.0	7.5
BLUE GEM (NAI-13-9)	8.0	7.0	8.0	7.0	7.0	7.0	8.0	7.3	7.0	7.0	7.7	8.3	7.4
MIDNIGHT	7.0	7.7	7.7	8.0	7.0	6.0	8.0	6.7	7.7	7.0	8.0	8.7	7.4
J-1319	8.7	7.0	7.0	8.7	7.7	4.0	8.0	8.7	7.3	6.7	7.0	8.7	7.4
MVS-130	6.7	7.3	7.0	8.0	7.0	6.0	8.0	6.7	8.3	7.0	9.0	8.3	7.4
TWILIGHT (NAI-13-132)	7.3	7.7	7.7	7.0	7.0	7.0	8.0	7.0	7.0	6.7	7.7	9.0	7.4
NAI-14-132	7.0	7.3	8.0	8.0	7.0	5.0	8.0	7.7	7.7	6.7	8.0	8.7	7.4
NAI-14-122	6.7	7.0	7.3	7.7	7.3	6.0	8.0	7.7	7.7	7.3	7.7	8.3	7.4
NAI-14-128	6.7	7.7	7.3	8.3	6.7	5.0	8.0	7.7	8.0	7.3	7.3	8.3	7.4
ACOUSTIC (PPG-KB 1131)	7.3	7.3	7.7	7.3	7.3	6.0	8.0	8.3	7.0	6.0	7.3	8.0	7.3
PPG-KB 1320	6.7	8.0	6.7	7.3	6.3	6.0	8.0	9.0	7.7	6.7	7.3	8.0	7.3
UNITED (NAI-13-14)	8.3	7.0	8.0	6.7	7.3	6.0	8.0	7.0	6.7	7.0	7.0	8.7	7.3
COMANCHE (NAI-14-176)	6.7	6.3	7.3	8.0	7.0	6.0	8.0	7.7	8.0	6.7	7.3	8.3	7.3
AMAZE (NAI-14-133)	7.0	6.7	7.7	7.7	7.3	6.0	8.0	7.7	6.7	7.0	7.0	8.3	7.3
BAR PP 79494	7.3	8.0	7.0	7.3	6.7	6.0	7.7	7.7	6.3	6.3	8.3	8.0	7.2
J-1138	7.0	7.3	7.3	7.0	7.0	6.0	8.0	7.0	7.3	6.3	7.7	8.3	7.2
BLUE DEVIL	7.7	7.0	8.0	6.3	7.0	5.0	8.0	6.3	7.0	7.0	8.7	7.7	7.1
DUBLIN (PST-K15-157)	6.7	7.3	7.0	6.0	6.3	6.0	8.0	5.7	8.3	7.7	8.3	8.0	7.1
HEARTLAND (NAI-14-187)	6.7	6.7	7.0	8.3	7.3	5.0	8.0	7.7	7.7	7.0	4.7	8.7	7.1
NEW MOON (PST-K15-177)	7.7	7.0	6.3	7.7	6.7	5.0	8.0	7.0	6.7	7.3	7.7	7.7	7.1
AVIATOR II (NAI-15-84)	7.0	6.3	7.3	7.3	6.3	6.0	8.0	7.0	6.3	7.3	7.7	7.0	7.0
DLFPS-340/3364	6.7	6.0	6.3	6.7	7.3	6.0	8.0	7.7	6.0	7.3	8.3	7.3	7.0
PPG-KB 1304	5.7	8.0	7.7	6.3	6.7	6.0	7.0	6.7	7.3	7.3	8.3	6.3	6.9
A12-34	6.0	7.0	6.7	7.7	6.7	6.0	8.0	8.0	6.0	7.0	6.0	8.0	6.9
DLFPS-340/3550	6.7	7.3	6.7	6.3	6.7	5.0	8.0	8.0	7.0	6.3	8.0	7.0	6.9
NURUSH (J-3510)	7.3	7.0	6.7	6.3	7.3	6.0	8.0	6.3	6.3	6.3	6.7	8.3	6.9
PST-K15-167	7.0	7.3	6.7	6.7	6.0	6.0	8.0	7.7	6.7	6.7	7.3	6.7	6.9
DLFPS-340/3556	6.3	8.3	7.0	5.3	7.3	5.0	8.0	7.3	6.7	6.7	6.7	7.7	6.9
BLUE MAGIC (A99-2897)	7.3	7.0	6.7	7.3	7.3	6.0	7.7	7.3	7.0	3.7	7.3	7.7	6.9
A16-7	6.7	6.3	6.3	7.3	7.0	5.0	8.0	6.0	7.3	6.7	8.0	7.0	6.8
J-2726	7.0	7.0	6.7	6.7	7.0	4.0	7.7	7.7	5.3	6.3	8.0	8.3	6.8
A10-280	6.3	6.0	6.7	6.0	6.7	6.0	8.0	7.3	7.0	7.3	7.7	6.3	6.8
DLFPS-340/3548	6.3	6.7	7.3	6.0	6.7	6.0	7.3	7.0	7.7	6.7	7.3	6.3	6.8
A06-8	5.3	7.0	7.0	6.7	6.3	6.0	7.7	7.0	6.3	6.7	8.3	6.7	6.8
AKB3241	6.0	7.0	6.7	5.3	6.0	6.0	8.0	8.3	6.7	7.0	7.7	5.7	6.7
A13-1	5.3	7.7	7.0	4.7	6.0	6.0	7.7	7.7	6.0	7.0	8.0	7.3	6.7
BOMBAY (GO-22B23)	6.0	7.7	6.3	4.3	6.7	6.0	8.0	6.3	7.7	7.0	8.3	6.0	6.7
AKB3128	5.3	6.3	6.3	6.0	6.7	7.0	7.3	7.0	6.3	7.0	7.3	7.3	6.7
PIVOT	6.7	7.3	7.7	5.7	6.7	6.0	7.0	8.3	5.7	5.3	8.0	5.7	6.7
BLUE KNIGHT	7.3	7.3	6.0	5.3	7.0	5.0	7.7	7.7	5.0	6.7	7.7	7.0	6.6
PST-11-7	6.3	6.0	6.0	5.7	7.0	6.0	7.7	7.0	5.3	7.0	8.0	7.7	6.6
STARR (GO-2628)	5.7	6.7	6.7	4.7	6.0	6.0	7.3	7.7	7.3	7.3	7.3	7.0	6.6
DLFPS-340/3494	6.3	6.0	6.7	5.7	7.3	6.0	8.0	6.3	6.7	6.7	6.7	7.0	6.6
A15-6	4.7	7.0	6.7	6.0	6.7	5.0	7.7	7.0	7.0	7.0	7.7	7.0	6.6
A11-26	6.0	7.0	6.7	4.0	6.0	5.0	7.7	7.3	6.0	7.7	8.0	7.7	6.6
DLFPS-340/3500	5.3	7.0	6.7	4.0	5.7	6.0	7.7	7.3	7.0	6.7	7.3	7.7	6.5
DLFPS-340/3552	5.7	7.0	6.0	5.7	6.3	5.0	7.3	6.7	6.3	6.3	9.0	7.0	6.5

TABLE 15.
(CONT'D)

GENETIC COLOR RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

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

NAME	CT1	IA1	MI1	MN1	NC1	ND1	NE1	NJ1	NJ2	OK1	TN1	UT1	MEAN
BAR PP 79366	5.3	6.0	8.0	4.0	6.0	5.0	8.0	7.0	7.0	6.7	8.0	7.0	6.5
CLOUD (GO-2425)	5.0	7.0	6.3	5.0	6.7	6.0	7.7	6.3	6.7	7.3	8.0	6.0	6.5
NK-1	6.3	5.7	6.0	5.7	6.7	6.0	8.0	5.7	6.3	6.3	7.7	7.3	6.5
PST-K15-172	5.3	8.3	6.3	6.0	6.7	5.0	7.3	6.3	5.0	6.7	7.7	6.7	6.4
DLFPS-340/3551	5.7	6.7	6.3	6.0	6.3	4.0	7.3	7.0	7.0	6.3	8.3	6.3	6.4
PST-T14-39	5.0	7.0	6.7	6.0	7.0	6.0	7.0	8.0	6.3	6.3	5.7	6.0	6.4
DLFPS-340/3438	5.3	6.3	6.3	3.7	6.0	6.0	7.3	7.0	8.0	7.3	8.3	5.3	6.4
SKYE	5.0	7.0	6.3	5.3	6.3	6.0	7.3	6.7	7.0	7.0	7.0	6.0	6.4
AKB3179	4.3	7.0	6.0	5.7	6.3	6.0	7.7	4.3	7.0	7.3	8.0	7.3	6.4
DLFPS-340/3446	6.0	6.7	6.3	5.7	6.7	5.0	7.3	6.0	6.7	6.7	7.0	6.7	6.4
NAI-15-80	4.7	6.7	6.7	5.7	6.0	7.0	7.0	3.7	6.7	6.7	8.3	7.7	6.4
PST-K13-141	5.7	7.3	6.0	5.7	6.0	6.0	7.0	4.3	6.0	6.3	8.3	6.7	6.3
PALOMA (PST-K13-139)	6.3	7.0	6.3	6.3	6.3	6.0	7.0	4.3	6.3	6.0	7.7	5.0	6.2
ORION (PST-K13-143)	5.0	7.3	7.3	5.3	6.0	6.0	7.0	4.0	6.7	7.3	7.0	5.3	6.2
KH3492	5.0	8.3	6.3	3.7	5.7	7.0	7.3	2.7	7.0	6.3	8.3	5.7	6.1
DLFPS-340/3553	3.7	7.3	6.7	5.7	5.7	6.0	7.0	3.3	6.7	7.0	8.0	5.7	6.1
YELLOWSTONE (A12-7)	4.3	6.7	7.0	4.0	6.0	6.0	7.7	5.7	6.7	6.7	7.3	4.7	6.1
SYRAH (LTP-11-41)	3.0	8.0	6.7	3.7	7.0	5.0	7.0	4.3	6.3	7.0	8.0	6.3	6.0
A16-1	4.7	6.0	6.7	3.7	6.0	6.0	7.0	3.7	7.0	6.3	8.7	5.7	5.9
JERSEY (NAI-A16-3)	5.3	6.7	6.3	3.7	6.3	6.0	7.0	3.3	6.3	7.0	7.3	5.7	5.9
SHAMROCK	4.3	7.3	6.0	4.0	6.0	6.0	7.0	3.7	6.3	6.3	8.3	5.7	5.9
FINISH LINE (NAI-14-178)	4.7	6.7	6.3	3.7	6.0	6.0	7.0	3.7	7.0	6.3	7.7	5.7	5.9
RAD-1776	3.7	7.0	6.3	3.0	6.0	6.0	7.0	5.3	6.7	6.0	8.0	5.0	5.8
SELWAY	3.7	6.7	6.0	4.7	6.0	5.0	6.3	7.0	5.0	6.7	8.0	4.7	5.8
DLFPS-340/3455	3.3	6.3	6.3	4.0	5.7	7.0	7.0	4.0	6.3	6.0	8.3	5.0	5.8
A16-2	4.3	7.0	6.0	4.0	5.3	6.0	7.0	2.7	6.0	6.3	8.3	5.3	5.7
BABE	5.0	6.7	6.3	4.3	5.7	6.0	7.0	2.0	6.0	6.0	8.7	4.7	5.7
A11-38	4.0	6.7	6.7	3.7	6.0	6.0	7.3	2.7	5.7	5.0	8.3	6.0	5.7
DLFPS-340/3444	3.7	6.7	6.3	4.7	6.3	6.0	7.0	3.3	4.3	6.3	8.3	4.7	5.6
BARSERATI (BAR PP 110358)	4.3	7.0	6.0	4.0	5.7	6.0	7.0	2.3	4.7	6.3	8.3	5.0	5.6
BAR PP 7K426	3.7	6.7	6.0	4.3	5.7	7.0	6.7	2.0	6.0	5.0	7.7	5.3	5.5
RAD 553	5.3	6.7	6.0	3.7	5.3	5.7	7.0	2.7	4.7	6.3	7.7	4.7	5.5
BAR PP 7309V	3.3	6.7	6.0	3.7	5.0	7.0	6.3	2.0	6.3	5.7	8.3	5.0	5.4
DLFPS-340/3549	4.3	6.3	6.3	2.7	5.3	5.0	7.0	2.0	6.3	6.3	8.0	5.0	5.4
A11-40	3.0	6.7	6.0	3.7	5.7	7.0	7.0	2.7	6.3	6.0	6.0	4.0	5.3
A16-17	3.7	7.7	6.3	4.0	5.3	5.0	7.0	1.3	4.7	6.3	8.0	4.7	5.3
ELECTRIC (PST-K11-118)	6.0	7.0	6.3	3.7	5.0	5.0	7.0	2.7	2.3	6.3	7.3	5.0	5.3
BARVETTE HGT®	3.7	6.7	6.0	3.3	5.7	7.0	6.3	2.7	4.7	6.3	7.7	3.7	5.3
BAR PP 7236V	3.3	6.3	6.3	3.3	5.3	7.0	6.0	2.3	4.7	5.7	7.3	4.3	5.2
BAR PP 71213	4.0	6.3	6.0	2.7	5.7	6.0	6.3	1.3	4.7	6.7	7.3	3.0	5.0
KENBLUE	3.3	7.3	6.0	3.3	5.7	4.0	6.0	2.3	5.0	5.7	8.0	3.3	5.0
LSD VALUE	1.3	1.3	1.0	1.3	0.9	0.1	0.5	1.5	1.6	1.4	1.6	1.2	0.4
C.V. (%)	14.5	11.8	8.9	14.2	9.0	1.1	4.4	15.9	15.8	12.7	13.0	11.3	11.7

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

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

TABLE 16. SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

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

NAME	CT1	IA1	IN1	NE1	NJ1	NJ2	TN1	UT1	MEAN
BARVETTE HGT®	7.0	8.3	4.7	6.7	8.3	8.3	8.0	4.3	7.0
FINISH LINE (NAI-14-178)	7.3	7.7	7.5	6.7	6.7	7.0	7.3	4.0	6.8
PPG-KB 1304	7.7	7.0	5.7	6.7	4.3	8.3	8.3	5.7	6.7
A11-40	5.7	7.3	7.0	6.3	7.0	7.3	8.7	4.3	6.7
ELECTRIC (PST-K11-118)	6.3	7.0	7.0	6.3	6.0	7.3	8.0	5.3	6.7
BAR PP 7236V	7.0	8.0	5.3	6.0	6.3	7.3	7.7	5.0	6.6
BLUE MAGIC (A99-2897)	6.3	5.0	7.3	6.0	6.7	7.3	8.3	5.0	6.5
DLFPS-340/3553	6.0	7.0	7.3	6.3	6.3	6.3	8.0	4.7	6.5
BARSERATI (BAR PP 110358)	7.0	6.7	5.0	6.3	7.3	7.3	8.0	3.3	6.4
A06-8	6.0	6.3	7.7	6.0	6.3	6.3	7.7	4.3	6.3
A15-6	6.3	5.7	7.0	6.0	6.3	6.0	8.3	4.7	6.3
BAR PP 71213	6.0	6.7	7.0	7.3	4.0	6.0	7.7	5.3	6.3
A16-2	7.0	5.0	6.7	6.7	5.3	6.3	8.0	4.7	6.2
BAR PP 7309V	6.0	5.0	6.3	6.3	6.7	6.3	8.3	4.3	6.2
DLFPS-340/3444	6.7	6.3	6.0	7.0	4.0	6.3	7.7	5.3	6.2
SYRAH (LTP-11-41)	6.3	6.0	6.7	6.0	6.7	5.0	8.0	4.7	6.2
KENBLUE	5.3	7.3	4.3	6.3	6.0	8.0	8.3	3.7	6.2
KH3492	7.3	6.7	6.7	6.3	4.7	5.7	8.0	3.7	6.1
BABE	7.3	6.7	6.0	6.3	5.0	5.3	7.7	4.7	6.1
PST-K13-141	6.7	5.3	5.0	6.0	6.3	7.0	8.0	4.7	6.1
DLFPS-340/3551	5.7	6.7	6.3	6.0	6.0	6.0	7.3	4.7	6.1
A16-17	7.3	5.7	5.0	6.7	6.3	6.7	7.7	3.3	6.1
A12-34	6.0	4.7	6.7	6.0	6.3	6.3	8.0	4.3	6.0
DUBLIN (PST-K15-157)	6.7	5.3	6.3	6.3	5.0	6.0	8.3	4.3	6.0
DLFPS-340/3446	6.7	5.3	6.3	6.7	5.0	6.0	7.7	4.7	6.0
AKB3128	6.0	5.3	6.0	6.7	3.7	7.0	8.3	5.0	6.0
BOMBAY (GO-22B23)	6.3	7.7	5.0	6.7	3.3	5.0	8.3	5.7	6.0
DLFPS-340/3438	6.3	5.7	5.0	6.3	6.0	6.0	8.3	4.0	6.0
CLOUD (GO-2425)	6.3	5.0	5.7	6.7	3.7	5.7	8.3	6.0	5.9
JERSEY (NAI-A16-3)	5.7	6.0	5.7	6.3	5.3	5.7	7.7	5.0	5.9
SHAMROCK	7.0	7.0	6.3	6.3	5.0	3.3	7.7	4.3	5.9
DLFPS-340/3550	5.7	4.3	6.7	6.0	5.0	6.7	8.0	4.3	5.8
ORION (PST-K13-143)	7.3	5.7	4.7	6.7	5.3	5.0	8.3	3.7	5.8
SKYE	6.0	5.7	5.7	6.7	2.7	5.7	8.3	6.0	5.8
NAI-15-80	6.7	5.7	5.7	6.3	6.0	5.0	8.0	3.3	5.8
A13-1	6.0	5.0	5.7	6.0	4.3	6.7	8.0	4.7	5.8
BAR PP 7K426	5.7	4.7	6.3	6.0	5.3	5.7	8.0	4.7	5.8
A11-38	6.0	5.7	7.7	6.0	5.0	4.3	7.0	4.3	5.8
NK-1	5.7	5.7	6.7	6.3	4.0	5.7	8.0	4.0	5.8
PST-K15-172	5.7	5.3	4.0	6.0	6.3	6.0	8.0	4.7	5.8
PST-T14-39	6.3	5.0	5.0	6.7	3.3	6.7	7.7	5.0	5.7
PIVOT	5.3	6.0	6.3	6.3	3.0	4.7	8.0	5.7	5.7
A10-280	6.3	6.0	5.0	6.0	2.0	7.3	8.0	4.0	5.6
A16-1	6.3	6.3	6.3	7.0	2.7	3.3	8.0	4.7	5.6
AVIATOR II (NAI-15-84)	6.3	7.3	6.0	6.0	3.3	3.3	8.0	4.3	5.6
A16-7	6.3	5.7	5.3	6.0	5.3	4.3	8.0	3.3	5.5
DLFPS-340/3364	5.0	7.0	6.0	6.0	3.0	5.7	8.3	3.3	5.5
DLFPS-340/3556	5.7	4.3	6.7	5.3	5.0	5.3	8.3	3.7	5.5
YELLOWSTONE (A12-7)	6.0	5.7	7.0	6.0	4.0	3.0	7.7	5.0	5.5

TABLE 16. SPRING GREENUP RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
(CONT'D) 2021 DATA

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

NAME	CT1	IA1	IN1	NE1	NJ1	NJ2	TN1	UT1	MEAN
STARR (GO-2628)	5.3	4.0	5.0	7.0	3.3	6.0	8.0	5.3	5.5
BAR PP 79494	5.3	5.3	4.7	6.0	4.7	5.7	8.7	3.3	5.5
DLFPS-340/3455	6.0	5.3	5.3	6.0	3.3	6.0	8.0	3.7	5.5
DLFPS-340/3548	5.3	7.0	4.3	6.0	3.3	5.3	8.0	4.3	5.5
RAD-1776	6.3	6.3	6.7	6.0	1.3	5.0	8.0	4.0	5.5
NEW MOON (PST-K15-177)	5.7	4.0	4.7	6.7	6.0	3.3	7.7	5.3	5.4
RAD 553	6.7	4.7	4.7	7.0	3.3	4.3	8.3	4.3	5.4
UNITED (NAI-13-14)	5.7	5.0	4.7	5.7	5.7	4.0	8.0	4.3	5.4
BLUE DEVIL	5.3	5.7	5.0	6.0	4.7	4.7	8.0	3.7	5.4
DLFPS-340/3552	4.7	4.7	5.3	6.0	5.0	5.3	8.0	4.0	5.4
AFTER MIDNIGHT	5.7	5.7	5.0	6.0	5.3	3.0	7.7	4.3	5.3
PALOMA (PST-K13-139)	6.0	6.0	4.3	6.0	5.7	2.7	8.0	4.0	5.3
MIDNIGHT	5.0	5.3	5.0	5.7	5.0	4.3	8.0	4.3	5.3
DLFPS-340/3500	5.0	4.7	5.7	6.0	2.3	7.0	8.0	3.7	5.3
J-1138	4.7	5.3	4.3	6.0	5.7	4.7	8.0	3.7	5.3
PROSPERITY	5.0	5.0	6.7	6.0	4.0	3.3	7.3	5.0	5.3
ACOUSTIC (PPG-KB 1131)	4.7	5.7	3.7	6.0	5.3	5.0	8.0	4.0	5.3
DLFPS-340/3549	5.3	5.0	3.7	6.3	5.0	5.0	8.0	4.0	5.3
BLUE GEM (NAI-13-9)	5.7	4.3	4.3	6.0	5.3	4.0	8.0	4.3	5.3
NURUSH (J-3510)	4.3	5.0	4.7	6.0	5.0	5.0	8.0	3.7	5.2
BAR PP 79366	5.7	5.0	6.0	6.3	2.0	5.3	7.7	3.3	5.2
AKB3241	4.3	6.7	5.3	6.3	1.7	5.0	8.3	3.7	5.2
BLUE KNIGHT	4.7	6.7	6.0	5.7	2.0	5.0	8.0	3.0	5.1
All-26	5.3	5.0	4.3	6.0	2.7	4.7	8.0	4.3	5.0
SELWAY	5.0	5.0	3.3	6.0	3.7	5.0	7.7	4.3	5.0
TWILIGHT (NAI-13-132)	4.3	4.3	4.7	6.0	5.0	3.7	7.7	3.7	4.9
PST-11-7	6.3	6.3	6.0	6.0	2.3	1.7	7.3	3.0	4.9
AMAZE (NAI-14-133)	4.7	5.0	3.3	6.3	2.0	5.0	7.7	4.0	4.8
AKB3179	4.7	4.7	4.3	6.3	3.0	3.0	8.0	3.3	4.7
J-2726	5.3	6.7	5.0	5.7	1.7	2.3	7.3	3.3	4.7
PPG-KB 1320	5.0	4.3	6.0	5.7	2.3	3.0	7.0	4.0	4.7
HEARTLAND (NAI-14-187)	5.3	4.7	3.0	6.3	2.0	3.0	8.3	4.3	4.6
NAI-14-122	4.7	4.7	3.3	6.3	2.0	3.3	8.3	4.3	4.6
NAI-14-128	5.3	4.7	3.7	6.0	2.3	2.7	8.3	3.3	4.5
NAI-14-132	5.0	5.0	3.3	6.3	1.3	3.7	8.0	3.7	4.5
PST-K15-167	4.7	4.3	4.7	6.0	3.0	3.0	7.7	3.0	4.5
J-1319	5.3	5.7	4.3	6.0	1.7	2.7	7.7	2.7	4.5
COMANCHE (NAI-14-176)	5.7	5.0	3.0	6.3	2.0	2.0	7.3	4.0	4.4
DLFPS-340/3494	4.7	4.7	4.7	6.0	1.0	2.0	8.0	4.0	4.4
MVS-130	4.3	4.7	3.7	6.0	1.7	3.0	8.0	3.7	4.4
LSD VALUE	1.2	1.8	1.3	0.7	1.8	1.7	0.8	1.4	0.5
C.V. (%)	12.4	19.9	15.1	7.0	25.2	20.3	6.2	21.1	15.4

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

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

TABLE 17.

LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

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

NAME	CT1	IA1	MI1	MN1	NC1	NE1	OK1	TN1	UT1	MEAN
FINISH LINE (NAI-14-178)	7.0	8.0	6.7	8.0	7.7	7.3	7.7	6.3	7.3	7.3
SELWAY	5.7	7.3	7.3	8.0	8.0	7.0	7.7	6.0	8.7	7.3
BARVETTE HGT®	7.3	7.3	7.0	7.3	8.0	7.0	7.7	5.3	7.3	7.1
KENBLUE	5.7	7.7	7.0	8.0	8.0	6.7	7.0	5.3	8.0	7.0
PST-T14-39	7.0	7.3	7.0	7.0	7.3	7.0	7.0	6.0	6.7	6.9
RAD-1776	7.0	7.0	6.7	6.3	7.3	6.3	7.3	6.0	6.7	6.7
NAI-15-80	6.3	8.0	7.3	6.7	6.0	7.0	7.3	5.3	6.7	6.7
RAD 553	5.3	7.0	6.7	6.3	7.7	7.0	7.0	6.0	7.7	6.7
PST-K13-141	6.3	6.3	6.7	6.0	8.0	7.0	7.0	6.3	6.7	6.7
DUBLIN (PST-K15-157)	6.3	8.0	6.0	6.0	7.3	6.7	7.0	6.7	6.0	6.7
BARSERATI (BAR PP 110358)	6.0	7.7	6.0	5.7	7.3	7.3	7.3	5.7	6.7	6.6
BOMBAY (GO-22B23)	7.3	6.0	6.0	6.7	7.0	6.3	7.0	6.3	7.0	6.6
ORION (PST-K13-143)	6.0	8.0	6.7	6.0	6.3	7.3	6.7	5.7	7.0	6.6
STARR (GO-2628)	6.0	7.3	7.0	5.7	7.0	6.7	7.0	5.7	7.3	6.6
DLFPS-340/3552	6.0	7.3	7.0	5.7	7.7	6.0	7.0	6.3	6.3	6.6
PPG-KB 1320	6.3	7.3	7.0	6.0	6.7	6.0	7.3	6.0	6.7	6.6
A16-17	6.7	7.0	6.0	5.7	7.3	7.0	7.3	5.3	6.7	6.6
PALOMA (PST-K13-139)	6.7	7.3	7.0	6.3	6.0	7.0	6.7	5.3	6.7	6.6
A11-40	6.3	7.3	6.3	6.3	6.7	6.0	7.3	6.0	6.3	6.5
SYRAH (LTP-11-41)	5.7	7.3	7.3	6.3	7.0	6.3	7.0	4.7	7.0	6.5
CLOUD (GO-2425)	6.3	7.3	6.7	6.0	7.0	6.7	7.0	5.0	6.7	6.5
BAR PP 7309V	6.3	8.0	6.3	5.7	7.0	6.0	6.3	6.3	6.0	6.4
NEW MOON (PST-K15-177)	6.7	6.7	6.7	5.3	6.0	7.3	7.3	5.3	6.7	6.4
PROSPERITY	7.0	7.3	5.7	6.0	6.7	6.0	6.7	5.7	7.0	6.4
ELECTRIC (PST-K11-118)	6.7	7.3	5.7	6.0	6.7	7.0	7.3	5.0	6.0	6.4
AKB3241	6.0	7.0	6.0	6.3	6.3	6.3	7.0	6.0	6.7	6.4
AKB3179	6.3	7.0	6.3	5.3	7.3	6.3	7.3	5.3	6.0	6.4
BLUE KNIGHT	6.7	7.3	7.7	4.7	6.3	7.0	6.7	5.0	6.0	6.4
DLFPS-340/3455	6.3	7.0	7.3	5.3	7.0	6.0	6.3	5.7	6.3	6.4
TWILIGHT (NAI-13-132)	7.0	7.3	5.3	6.0	6.0	6.7	7.0	5.3	6.7	6.4
DLFPS-340/3549	5.7	7.3	6.0	5.7	6.7	7.0	7.0	5.3	6.3	6.3
JERSEY (NAI-A16-3)	6.3	7.3	6.3	6.0	6.7	6.3	6.7	5.3	6.0	6.3
NURUSH (J-3510)	6.7	7.3	5.7	5.3	6.7	6.7	7.0	5.0	6.7	6.3
A11-26	6.7	7.7	6.3	5.3	6.7	6.7	6.7	5.3	5.7	6.3
BAR PP 79494	5.3	7.3	7.0	5.0	7.0	6.3	7.0	5.7	6.0	6.3
NAI-14-128	6.3	7.7	8.0	4.0	6.3	5.3	7.3	6.0	5.3	6.3
DLFPS-340/3494	6.0	7.0	7.0	5.3	6.3	6.0	7.0	6.3	5.3	6.3
J-1138	6.0	7.3	6.0	5.0	6.7	7.0	7.0	5.3	6.0	6.3
BABE	5.7	7.0	7.0	5.0	7.0	5.7	7.3	5.3	6.0	6.2
BAR PP 7236V	5.7	7.3	5.7	5.7	6.7	6.3	6.7	5.7	6.3	6.2
NAI-14-122	6.0	7.7	6.3	5.0	6.7	6.0	7.0	5.7	5.7	6.2
SHAMROCK	6.0	7.7	8.0	4.0	6.3	5.7	7.0	5.3	6.0	6.2
A11-38	5.3	7.7	5.7	7.0	6.3	6.3	6.0	5.7	5.7	6.2
ACOUSTIC (PPG-KB 1131)	6.3	6.3	5.7	4.3	6.7	6.3	7.0	6.7	6.3	6.2
MVS-130	5.7	7.3	6.3	4.3	6.3	6.3	7.0	6.0	6.3	6.2
PPG-KB 1304	6.7	7.3	5.3	3.3	6.7	7.0	7.0	6.0	6.3	6.2
UNITED (NAI-13-14)	6.0	7.3	5.7	5.3	6.7	5.7	7.0	5.7	6.3	6.2
AKB3128	6.3	6.7	6.7	5.3	6.7	5.0	7.0	5.7	6.0	6.1

TABLE 17.
(CONT'D)

LEAF TEXTURE RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/									
	CT1	IA1	MI1	MN1	NC1	NE1	OK1	TN1	UT1	MEAN
HEARTLAND (NAI-14-187)	5.7	7.3	6.0	4.7	6.3	6.0	7.3	7.0	5.0	6.1
SKYE	6.0	7.0	6.0	5.0	6.0	6.0	7.0	5.3	7.0	6.1
AMAZE (NAI-14-133)	6.0	6.7	7.7	4.3	6.3	5.7	7.0	5.7	6.0	6.1
BAR PP 7K426	6.3	7.0	6.0	4.3	7.0	6.3	7.3	4.7	6.0	6.1
DLFPS-340/3444	6.0	8.0	6.7	3.3	6.0	5.3	6.7	6.7	6.3	6.1
PIVOT	6.0	7.7	5.7	4.0	5.7	6.0	7.0	6.3	6.7	6.1
DLFPS-340/3364	6.7	7.7	7.0	3.7	5.7	5.3	7.0	6.0	5.7	6.1
J-2726	5.7	6.3	7.0	4.7	6.0	6.7	7.0	5.3	6.0	6.1
DLFPS-340/3551	6.0	7.3	6.0	4.0	6.3	6.3	6.7	6.0	6.0	6.1
MIDNIGHT	5.3	7.0	5.7	5.3	6.3	7.0	6.7	5.3	6.0	6.1
DLFPS-340/3553	6.3	7.3	6.3	4.0	6.7	6.0	6.3	5.3	6.0	6.0
A16-2	6.0	6.7	6.7	4.3	6.0	6.7	6.3	5.7	6.0	6.0
BLUE DEVIL	5.3	7.0	5.0	5.3	6.3	6.0	7.0	6.0	6.3	6.0
BLUE MAGIC (A99-2897)	6.3	7.7	5.7	3.7	6.3	5.7	7.0	6.0	6.0	6.0
YELLOWSTONE (A12-7)	6.0	7.7	5.7	5.0	6.0	6.3	7.0	5.0	5.7	6.0
COMANCHE (NAI-14-176)	6.3	6.3	6.7	4.3	6.0	5.7	7.0	6.3	5.7	6.0
DLFPS-340/3500	6.0	7.3	5.7	5.3	6.7	5.3	6.7	5.7	5.7	6.0
DLFPS-340/3548	6.3	7.0	5.7	4.3	6.3	5.7	6.7	6.0	6.3	6.0
A13-1	6.0	7.7	5.3	4.3	6.0	6.7	7.0	5.7	5.3	6.0
DLFPS-340/3446	6.0	8.0	7.3	4.0	6.3	5.7	6.3	4.3	6.0	6.0
A10-280	6.0	6.7	6.7	4.3	6.3	5.3	6.7	6.3	5.3	6.0
NAI-14-132	6.0	6.7	6.3	4.7	6.3	5.7	7.3	5.3	5.3	6.0
PST-K15-172	6.3	7.7	5.0	3.3	6.3	7.0	6.7	5.3	6.0	6.0
A16-1	5.7	7.3	6.7	3.7	6.0	6.0	6.7	5.3	6.0	5.9
KH3492	6.0	7.0	5.7	4.7	7.0	5.3	7.0	4.7	6.0	5.9
BLUE GEM (NAI-13-9)	5.3	8.0	4.7	5.0	6.3	6.3	7.0	4.7	6.0	5.9
DLFPS-340/3550	6.0	7.3	5.3	4.7	6.0	5.7	6.7	5.3	6.0	5.9
A06-8	6.3	7.3	6.7	3.0	5.7	5.7	6.7	5.7	6.0	5.9
A12-34	5.7	7.7	6.3	3.0	6.3	6.0	6.7	5.7	5.7	5.9
AFTER MIDNIGHT	6.0	7.0	6.3	2.7	6.0	5.7	7.0	6.7	5.7	5.9
BAR PP 71213	5.3	7.3	5.0	4.3	6.3	6.0	7.0	5.7	6.0	5.9
DLFPS-340/3438	6.0	7.0	5.0	4.0	6.3	6.3	6.7	6.0	5.7	5.9
AVIATOR II (NAI-15-84)	6.0	7.0	5.3	4.3	5.7	5.3	6.7	6.0	6.3	5.9
PST-11-7	5.7	8.0	7.0	3.3	5.3	5.0	7.0	6.0	5.3	5.9
PST-K15-167	6.0	7.0	6.0	3.7	5.7	6.0	6.7	5.7	6.0	5.9
NK-1	5.7	7.3	5.7	3.7	6.0	5.7	7.3	5.3	5.7	5.8
A16-7	6.3	7.3	5.7	3.3	5.7	5.7	6.7	5.3	6.0	5.8
BAR PP 79366	6.0	7.3	5.0	3.7	6.3	5.3	7.0	5.7	5.7	5.8
DLFPS-340/3556	6.0	7.7	4.7	3.3	5.3	5.7	7.0	6.0	5.3	5.7
J-1319	6.0	7.3	6.7	3.0	5.3	5.3	6.0	5.7	5.3	5.6
A15-6	5.7	6.7	4.7	3.3	5.7	5.7	7.0	5.7	5.3	5.5
LSD VALUE	1.5	1.2	1.5	1.5	0.9	1.0	0.8	1.4	0.8	0.4
C.V. (%)	14.8	10.5	14.8	19.0	9.1	9.7	7.3	15.2	7.8	12.1

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

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

TABLE 18. SPRING DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

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

NAME	TN1	NAME	TN1
AFTER MIDNIGHT	7.7	PIVOT	5.3
BLUE MAGIC (A99-2897)	7.0	SELWAY	5.3
BOMBAY (GO-22B23)	7.0	A16-17	5.0
J-1138	7.0	BABE	5.0
SKYE	7.0	BAR PP 79366	5.0
BAR PP 79494	6.7	BARSERATI (BAR PP 110358)	5.0
BLUE DEVIL	6.7	DLFPS-340/3446	5.0
DLFPS-340/3548	6.7	DLFPS-340/3552	5.0
J-1319	6.7	FINISH LINE (NAI-14-178)	5.0
UNITED (NAI-13-14)	6.7	HEARTLAND (NAI-14-187)	5.0
A11-26	6.3	J-2726	5.0
A13-1	6.3	NK-1	5.0
ACOUSTIC (PPG-KB 1131)	6.3	ORION (PST-K13-143)	5.0
BLUE GEM (NAI-13-9)	6.3	PALOMA (PST-K13-139)	5.0
DLFPS-340/3438	6.3	PROSPERITY	5.0
PPG-KB 1304	6.3	PST-11-7	5.0
PST-T14-39	6.3	STARR (GO-2628)	5.0
A15-6	6.0	SYRAH (LTP-11-41)	5.0
CLOUD (GO-2425)	6.0	TWILIGHT (NAI-13-132)	5.0
DLFPS-340/3364	6.0	A16-1	4.7
DLFPS-340/3549	6.0	A16-7	4.7
DLFPS-340/3550	6.0	AMAZE (NAI-14-133)	4.7
KH3492	6.0	DLFPS-340/3494	4.7
MIDNIGHT	6.0	KENBLUE	4.7
NAI-14-122	6.0	NAI-15-80	4.7
SHAMROCK	6.0	NEW MOON (PST-K15-177)	4.7
YELLOWSTONE (A12-7)	6.0	RAD-1776	4.7
A10-280	5.7	A06-8	4.3
A16-2	5.7	A12-34	4.3
AKB3128	5.7	COMANCHE (NAI-14-176)	4.3
AKB3241	5.7	DLFPS-340/3551	4.3
AVIATOR II (NAI-15-84)	5.7	MVS-130	4.3
DLFPS-340/3455	5.7	PST-K13-141	4.3
DLFPS-340/3553	5.7	PST-K15-172	4.3
DLFPS-340/3556	5.7	A11-38	4.0
PST-K15-167	5.7	BAR PP 7236V	4.0
RAD 553	5.7	BLUE KNIGHT	4.0
A11-40	5.3	DLFPS-340/3444	4.0
AKB3179	5.3	ELECTRIC (PST-K11-118)	4.0
BAR PP 7309V	5.3	PPG-KB 1320	4.0
BAR PP 7K426	5.3	BAR PP 71213	3.7
DLFPS-340/3500	5.3	JERSEY (NAI-A16-3)	3.3
DUBLIN (PST-K15-157)	5.3	BARVETTE HGT®	2.7
NAI-14-128	5.3		
NAI-14-132	5.3	LSD VALUE	2.3
NURUSH (J-3510)	5.3	C.V. (%)	26.2

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 19. SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

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

NAME	CT1	NC1	OK1	TN1	UT1	MEAN
BARVETTE HGT®	7.7	7.7	5.7	3.7	7.3	6.4
AFTER MIDNIGHT	7.0	4.3	6.3	8.0	6.3	6.4
UNITED (NAI-13-14)	7.3	3.7	6.0	7.3	7.3	6.3
BLUE GEM (NAI-13-9)	7.3	3.3	6.3	6.7	7.7	6.3
BAR PP 79494	6.7	5.3	6.3	6.7	6.3	6.3
BLUE DEVIL	7.7	4.0	6.0	7.0	6.3	6.2
J-1138	7.7	5.3	6.0	7.0	5.0	6.2
ACOUSTIC (PPG-KB 1131)	7.3	4.0	6.7	6.3	6.3	6.1
NURUSH (J-3510)	7.7	2.7	6.7	6.7	6.7	6.1
BARSERATI (BAR PP 110358)	7.0	4.3	6.3	5.7	7.0	6.1
BOMBAY (GO-22B23)	7.3	4.0	6.3	4.7	8.0	6.1
CLOUD (GO-2425)	7.3	4.7	7.0	5.3	6.0	6.1
MIDNIGHT	7.3	5.3	5.7	5.3	6.7	6.1
DLFPS-340/3550	5.3	4.3	6.7	7.0	6.7	6.0
DLFPS-340/3552	6.3	5.7	6.7	4.0	7.3	6.0
STARR (GO-2628)	6.3	4.0	7.3	5.0	7.3	6.0
DLFPS-340/3494	6.3	4.3	6.3	5.7	7.0	5.9
TWILIGHT (NAI-13-132)	7.0	4.0	6.0	5.7	7.0	5.9
BABE	7.0	4.0	7.0	4.7	6.7	5.9
YELLOWSTONE (A12-7)	6.7	4.3	6.0	6.0	6.3	5.9
PST-K15-172	6.7	4.7	6.3	4.7	6.3	5.7
SELWAY	6.7	4.0	5.7	5.3	7.0	5.7
ELECTRIC (PST-K11-118)	7.0	5.3	5.3	5.0	6.0	5.7
FINISH LINE (NAI-14-178)	8.3	1.7	6.3	5.0	7.3	5.7
DLFPS-340/3553	6.7	4.0	5.3	5.7	6.7	5.7
BAR PP 79366	7.3	3.3	5.7	5.7	6.3	5.7
SKYE	6.3	3.7	7.0	4.3	7.0	5.7
A11-40	6.3	3.7	6.0	5.0	7.0	5.6
BAR PP 7309V	6.3	4.0	5.7	4.7	7.3	5.6
PST-T14-39	6.3	4.3	4.3	6.7	6.3	5.6
RAD-1776	7.0	3.7	6.7	4.0	6.7	5.6
JERSEY (NAI-A16-3)	7.7	3.7	6.3	3.0	7.0	5.5
SYRAH (LTP-11-41)	7.7	3.3	6.0	3.7	7.0	5.5
A16-17	6.7	2.3	6.7	4.7	7.0	5.5
AKB3179	5.7	3.3	6.3	5.7	6.3	5.5
AKB3241	6.7	4.3	5.0	5.0	6.3	5.5
BAR PP 7236V	7.0	3.0	6.3	4.7	6.3	5.5
BAR PP 7K426	5.0	3.3	6.7	5.3	7.0	5.5
DLFPS-340/3500	7.0	3.7	4.7	4.7	7.3	5.5
NAI-14-132	6.0	2.3	7.0	4.7	7.3	5.5
NK-1	5.0	4.7	6.0	4.7	7.0	5.5
RAD 553	6.7	2.3	5.7	5.0	7.7	5.5
A11-26	6.7	3.7	6.3	4.7	5.7	5.4
A13-1	5.0	3.0	6.7	6.0	6.3	5.4
A15-6	5.7	3.3	6.3	5.0	6.7	5.4
A16-7	6.7	3.0	6.7	5.3	5.3	5.4
DLFPS-340/3556	5.7	3.3	6.0	5.3	6.7	5.4
HEARTLAND (NAI-14-187)	5.7	3.0	6.7	4.0	7.7	5.4

TABLE 19.
(CONT'D)

SUMMER DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/					MEAN
	CT1	NC1	OK1	TN1	UT1	
NAI-15-80	7.7	2.0	6.3	4.7	6.3	5.4
NEW MOON (PST-K15-177)	7.0	3.7	5.7	4.3	6.3	5.4
PST-K13-141	5.7	4.0	7.0	4.0	6.0	5.3
PST-K15-167	5.7	4.3	5.0	5.7	6.0	5.3
A10-280	5.0	5.0	6.0	4.3	6.3	5.3
BLUE MAGIC (A99-2897)	5.7	4.3	5.3	5.3	6.0	5.3
PPG-KB 1304	6.3	4.0	6.0	4.3	6.0	5.3
DLFPS-340/3444	6.7	3.7	6.0	3.7	6.3	5.3
J-2726	7.0	2.3	6.0	4.3	6.7	5.3
BAR PP 71213	6.0	2.0	6.3	4.7	7.3	5.3
DLFPS-340/3364	5.7	4.0	7.0	4.3	5.3	5.3
NAI-14-122	5.3	2.7	5.3	6.0	7.0	5.3
DLFPS-340/3551	5.3	4.0	5.3	4.3	7.3	5.3
A12-34	5.7	3.0	5.7	6.0	5.7	5.2
KH3492	5.7	4.0	6.0	4.7	5.7	5.2
ORION (PST-K13-143)	6.3	2.7	6.7	3.7	6.7	5.2
DLFPS-340/3438	5.7	3.3	5.3	5.0	6.7	5.2
DUBLIN (PST-K15-157)	6.0	4.0	5.0	5.7	5.3	5.2
MVS-130	5.0	3.3	6.0	4.7	7.0	5.2
PST-11-7	7.0	2.7	7.0	3.7	5.7	5.2
DLFPS-340/3455	5.3	3.7	5.7	5.0	6.0	5.1
AVIATOR II (NAI-15-84)	5.3	3.3	5.7	4.3	7.0	5.1
NAI-14-128	5.3	2.3	6.0	4.7	7.3	5.1
BLUE KNIGHT	6.3	3.3	5.3	4.0	6.0	5.0
PROSPERITY	6.3	2.3	4.7	4.3	7.3	5.0
A06-8	6.0	4.0	4.0	4.7	6.0	4.9
A16-2	6.7	2.0	5.0	4.7	6.3	4.9
AMAZE (NAI-14-133)	5.3	2.0	6.3	4.3	6.7	4.9
AKB3128	5.3	3.3	5.3	4.3	6.3	4.9
DLFPS-340/3549	6.7	3.0	6.7	2.3	5.7	4.9
COMANCHE (NAI-14-176)	6.3	2.0	6.0	3.7	6.3	4.9
DLFPS-340/3446	5.7	2.7	5.0	4.7	6.3	4.9
KENBLUE	5.3	4.3	6.0	3.3	5.3	4.9
PALOMA (PST-K13-139)	5.7	2.0	5.7	4.0	6.7	4.8
DLFPS-340/3548	5.7	2.3	5.7	3.7	6.3	4.7
SHAMROCK	6.3	3.3	4.3	3.7	6.0	4.7
J-1319	6.3	2.3	4.7	5.0	5.0	4.7
PIVOT	5.7	1.3	4.3	4.7	7.0	4.6
A16-1	7.0	2.0	4.3	3.0	6.3	4.5
A11-38	6.0	1.7	3.7	4.7	6.0	4.4
PPG-KB 1320	6.7	1.7	3.7	4.0	5.7	4.3
LSD VALUE	1.4	1.8	1.8	1.9	1.9	0.8
C.V. (%)	13.6	32.7	19.1	24.1	18.4	20.4

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

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

TABLE 20.

FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	MI1	MN1	NE1	NJ2	OK1	TN1	
BARSERATI (BAR PP 110358)	9.0	6.7	7.3	8.0	6.7	6.0	7.3
STARR (GO-2628)	9.0	6.3	6.3	8.7	5.7	6.7	7.1
CLOUD (GO-2425)	9.0	7.0	6.3	6.7	6.0	7.3	7.1
BARVETTE HGT®	9.0	7.7	6.0	8.3	5.0	5.3	6.9
BOMBAY (GO-22B23)	9.0	6.3	6.7	6.7	6.0	6.7	6.9
SELWAY	8.7	7.3	6.7	7.0	6.0	5.3	6.8
A16-17	9.0	7.0	6.7	7.7	4.7	6.0	6.8
NAI-14-132	9.0	5.7	6.7	8.0	6.0	5.7	6.8
FINISH LINE (NAI-14-178)	9.0	6.7	6.3	8.0	5.0	5.7	6.8
J-1138	9.0	5.3	6.7	7.0	6.0	6.7	6.8
AKB3179	9.0	6.3	6.3	7.3	5.0	6.3	6.7
PST-K15-172	9.0	6.0	6.3	8.7	5.0	5.3	6.7
BAR PP 7236V	9.0	7.0	6.3	6.3	5.7	6.0	6.7
BLUE GEM (NAI-13-9)	9.0	4.7	6.7	6.0	6.3	7.3	6.7
AKB3241	8.7	6.7	7.0	6.0	5.7	6.0	6.7
SYRAH (LTP-11-41)	9.0	5.3	6.7	8.0	5.3	5.3	6.6
A11-26	9.0	6.3	6.3	7.7	4.3	6.0	6.6
A11-40	9.0	7.3	7.0	5.0	5.3	5.3	6.5
AFTER MIDNIGHT	8.3	3.3	6.0	7.3	5.3	8.7	6.5
AMAZE (NAI-14-133)	9.0	5.0	6.7	7.3	5.7	5.3	6.5
BLUE MAGIC (A99-2897)	8.7	4.3	6.7	7.3	5.3	6.7	6.5
NAI-15-80	9.0	5.3	6.7	6.0	5.7	6.3	6.5
BAR PP 79366	8.7	6.0	5.7	7.3	4.7	6.7	6.5
NAI-14-122	9.0	5.0	6.3	7.3	5.7	5.7	6.5
SKYE	9.0	6.3	6.0	6.0	6.0	5.7	6.5
DLFPS-340/3552	9.0	5.3	6.3	8.3	4.7	5.0	6.4
DLFPS-340/3553	9.0	5.0	6.3	6.0	5.7	6.7	6.4
NAI-14-128	8.7	4.7	6.3	8.3	5.0	5.7	6.4
BLUE DEVIL	9.0	4.7	6.3	6.0	5.0	7.3	6.4
DLFPS-340/3500	9.0	6.7	5.3	7.7	4.0	5.7	6.4
MVS-130	9.0	5.0	6.3	7.7	4.3	6.0	6.4
JERSEY (NAI-A16-3)	8.7	5.7	6.3	8.0	5.7	4.0	6.4
ACOUSTIC (PPG-KB 1131)	9.0	4.0	6.0	6.0	6.0	7.0	6.3
DLFPS-340/3550	9.0	3.3	6.0	8.0	4.7	7.0	6.3
KENBLUE	8.7	7.3	6.0	5.7	5.7	4.7	6.3
MIDNIGHT	9.0	4.3	6.3	6.0	6.0	6.3	6.3
PST-T14-39	7.3	6.0	5.7	5.7	5.7	7.7	6.3
UNITED (NAI-13-14)	9.0	4.3	6.0	5.7	5.0	8.0	6.3
AKB3128	9.0	6.0	6.0	6.3	5.0	5.7	6.3
BABE	9.0	5.3	7.0	4.7	6.3	5.3	6.3
RAD-1776	9.0	5.7	6.7	6.3	5.0	5.0	6.3
COMANCHE (NAI-14-176)	9.0	5.7	6.3	7.0	5.0	4.7	6.3
DLFPS-340/3444	8.7	5.0	6.7	7.3	5.0	5.0	6.3
ELECTRIC (PST-K11-118)	9.0	7.0	6.7	4.3	5.0	5.7	6.3
A16-2	8.7	6.0	6.3	4.7	5.3	6.3	6.2
BAR PP 79494	8.7	4.0	6.0	6.0	5.3	7.3	6.2
HEARTLAND (NAI-14-187)	8.7	4.3	6.3	7.3	5.3	5.3	6.2
ORION (PST-K13-143)	8.7	6.7	6.3	5.3	5.7	4.7	6.2
A10-280	9.0	5.3	6.3	6.3	4.0	6.0	6.2

TABLE 20.
(CONT'D)

FALL DENSITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	MI1	MN1	NE1	NJ2	OK1	TN1	
DLFPS-340/3455	8.7	5.7	6.7	5.7	4.7	5.7	6.2
KH3492	9.0	6.0	6.3	4.7	6.0	5.0	6.2
NURUSH (J-3510)	9.0	4.0	6.7	5.3	5.0	7.0	6.2
RAD 553	9.0	6.3	6.3	4.7	4.7	6.0	6.2
A13-1	8.7	5.0	6.0	5.0	5.3	6.7	6.1
PPG-KB 1304	9.0	4.7	7.0	5.3	5.0	5.7	6.1
PST-K13-141	9.0	5.3	6.3	5.7	4.7	5.7	6.1
YELLOWSTONE (A12-7)	8.7	6.7	6.0	2.7	5.7	6.7	6.1
BAR PP 7K426	8.7	5.0	6.0	5.3	5.3	6.0	6.1
PIVOT	8.7	5.7	6.7	5.0	4.3	6.0	6.1
A11-38	8.7	7.7	5.7	4.0	4.3	5.7	6.0
BAR PP 71213	9.0	7.0	6.3	4.3	3.7	5.7	6.0
TWILIGHT (NAI-13-132)	9.0	4.7	6.0	5.3	5.0	6.0	6.0
DLFPS-340/3494	8.3	5.3	5.7	4.7	5.3	6.3	5.9
DLFPS-340/3548	8.3	5.3	6.0	6.3	4.7	5.0	5.9
A06-8	8.7	3.7	6.7	6.0	4.0	6.7	5.9
A15-6	8.7	3.7	6.3	6.0	4.7	6.3	5.9
DLFPS-340/3556	9.0	5.0	5.7	5.3	4.7	5.7	5.9
BAR PP 7309V	8.7	6.3	5.7	5.7	3.3	5.3	5.8
DLFPS-340/3364	8.3	3.3	6.0	6.0	5.3	6.0	5.8
DLFPS-340/3438	9.0	4.7	6.0	5.7	4.3	5.3	5.8
DLFPS-340/3446	9.0	4.7	6.3	5.3	4.3	5.3	5.8
PALOMA (PST-K13-139)	8.3	5.7	6.3	4.7	4.3	5.7	5.8
A12-34	9.0	3.0	5.7	6.0	4.7	6.3	5.8
DLFPS-340/3551	9.0	4.7	6.7	5.3	4.0	5.0	5.8
PST-K15-167	8.3	3.3	6.0	5.7	5.7	5.7	5.8
DLFPS-340/3549	8.7	6.7	6.0	5.0	4.7	3.3	5.7
PROSPERITY	9.0	5.0	6.7	4.0	3.7	6.0	5.7
NK-1	8.7	3.7	6.0	5.0	5.0	6.0	5.7
J-2726	8.3	5.3	5.7	4.3	5.0	5.3	5.7
NEW MOON (PST-K15-177)	8.3	4.0	7.0	4.3	4.7	5.7	5.7
SHAMROCK	9.0	5.3	6.0	4.7	4.7	4.3	5.7
DUBLIN (PST-K15-157)	7.7	4.7	6.0	4.0	5.0	6.3	5.6
AVIATOR II (NAI-15-84)	8.7	5.3	6.3	3.0	4.7	5.3	5.6
BLUE KNIGHT	8.3	5.0	6.0	4.7	5.0	4.3	5.6
A16-7	9.0	3.7	5.7	4.0	5.0	6.0	5.6
PPG-KB 1320	8.7	7.0	6.3	4.3	3.0	3.7	5.5
A16-1	8.3	5.0	6.0	3.3	4.0	5.0	5.3
J-1319	9.0	3.7	5.7	3.0	5.0	5.3	5.3
PST-11-7	7.7	5.0	6.3	1.0	5.7	5.0	5.1
LSD VALUE	0.8	1.7	1.0	1.9	1.5	1.7	0.6
C.V. (%)	5.5	19.6	9.6	19.9	17.9	18.2	14.7

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

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

TABLE 21. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	ND1	OK1	TN1	VA1	MEAN
BLUE MAGIC (A99-2897)	95.0	97.0	88.7	99.0	94.9
BOMBAY (GO-22B23)	95.0	94.7	90.7	99.0	94.8
BAR PP 7K426	95.0	95.3	90.0	99.0	94.8
A06-8	95.0	93.3	91.7	99.0	94.8
STARR (GO-2628)	95.0	98.3	86.3	99.0	94.7
AFTER MIDNIGHT	95.0	95.7	88.7	99.0	94.6
DLFPS-340/3455	99.0	96.7	82.3	99.0	94.3
A15-6	90.0	94.0	93.3	99.0	94.1
AKB3128	99.0	94.3	83.7	99.0	94.0
DLFPS-340/3500	90.0	95.0	91.7	99.0	93.9
BAR PP 7236V	95.0	93.0	87.7	99.0	93.7
DLFPS-340/3552	90.0	98.0	87.3	99.0	93.6
A13-1	95.0	89.7	90.3	99.0	93.5
BARSERATI (BAR PP 110358)	99.0	94.0	82.0	99.0	93.5
PPG-KB 1304	90.0	96.0	89.0	99.0	93.5
A16-2	90.0	97.7	87.0	99.0	93.4
ELECTRIC (PST-K11-118)	95.0	91.7	87.7	99.0	93.3
A10-280	99.0	88.3	87.0	99.0	93.3
A16-1	95.0	92.3	86.7	99.0	93.3
BAR PP 79494	95.0	93.0	85.7	99.0	93.2
CLOUD (GO-2425)	90.0	98.0	85.7	99.0	93.2
DLFPS-340/3550	90.0	95.0	88.7	99.0	93.2
NAI-15-80	99.0	89.7	85.0	99.0	93.2
SELWAY	95.0	95.0	83.7	99.0	93.2
UNITED (NAI-13-14)	95.0	92.3	88.7	96.0	93.0
SYRAH (LTP-11-41)	95.0	96.7	80.7	99.0	92.8
DLFPS-340/3553	90.0	95.0	87.3	99.0	92.8
PST-T14-39	95.0	90.7	88.7	96.0	92.6
MVS-130	95.0	88.3	87.7	99.0	92.5
A11-40	99.0	91.0	80.7	99.0	92.4
ACOUSTIC (PPG-KB 1131)	95.0	89.7	86.0	99.0	92.4
J-1138	95.0	90.0	85.7	99.0	92.4
YELLOWSTONE (A12-7)	95.0	95.7	83.0	96.0	92.4
KENBLUE	90.0	93.3	90.3	96.0	92.4
PST-K13-141	95.0	90.7	84.3	99.0	92.3
SKYE	90.0	95.3	84.7	99.0	92.3
RAD-1776	95.0	90.0	84.7	99.0	92.2
A16-17	90.0	93.3	91.0	94.3	92.2
AKB3179	99.0	92.3	81.3	96.0	92.2
A12-34	95.0	91.0	82.3	99.0	91.8
NAI-14-128	95.0	87.3	89.0	96.0	91.8
RAD 553	96.3	94.0	80.7	96.0	91.8
BLUE GEM (NAI-13-9)	95.0	87.7	85.0	99.0	91.7
MIDNIGHT	95.0	93.3	80.7	97.7	91.7
DLFPS-340/3444	90.0	96.0	85.7	94.3	91.5
PALOMA (PST-K13-139)	90.0	92.3	84.0	99.0	91.3
AKB3241	95.0	92.0	79.0	99.0	91.3
BLUE DEVIL	91.7	91.3	83.0	99.0	91.3

TABLE 21. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
(CONT'D) 2021 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	ND1	OK1	TN1	VA1	MEAN
BAR PP 71213	95.0	93.3	80.3	96.0	91.2
PST-K15-167	95.0	92.7	83.7	93.0	91.1
BABE	96.3	91.0	78.0	99.0	91.1
DLFPS-340/3438	95.0	92.3	86.0	91.0	91.1
SHAMROCK	95.0	94.0	76.3	99.0	91.1
AMAZE (NAI-14-133)	95.0	84.0	86.7	97.7	90.8
DUBLIN (PST-K15-157)	99.0	87.7	85.7	91.0	90.8
BAR PP 79366	85.0	94.0	88.3	96.0	90.8
DLFPS-340/3548	95.0	95.7	72.7	99.0	90.6
A11-26	90.0	91.3	82.0	99.0	90.6
NURUSH (J-3510)	85.0	94.0	84.3	99.0	90.6
JERSEY (NAI-A16-3)	99.0	94.7	72.3	96.0	90.5
KH3492	90.0	94.3	78.7	99.0	90.5
DLFPS-340/3446	90.0	88.0	86.7	96.0	90.2
TWILIGHT (NAI-13-132)	95.0	86.0	80.3	99.0	90.1
NAI-14-122	95.0	82.0	84.0	99.0	90.0
ORION (PST-K13-143)	90.0	93.3	77.3	99.0	89.9
DLFPS-340/3556	90.0	93.7	84.0	91.3	89.8
DLFPS-340/3551	90.0	94.7	74.7	99.0	89.6
A16-7	90.0	93.0	81.0	94.3	89.6
HEARTLAND (NAI-14-187)	91.7	87.7	82.7	96.0	89.5
PROSPERITY	90.0	91.7	83.7	91.0	89.1
FINISH LINE (NAI-14-178)	95.0	84.3	82.7	94.3	89.1
COMANCHE (NAI-14-176)	99.0	83.3	77.7	96.0	89.0
AVIATOR II (NAI-15-84)	90.0	90.0	76.3	99.0	88.8
A11-38	95.0	90.3	80.0	89.7	88.8
PST-11-7	95.0	94.7	74.0	91.0	88.7
J-1319	85.0	93.0	80.3	96.0	88.6
NEW MOON (PST-K15-177)	90.0	89.7	87.7	86.3	88.4
BARVETTE HGT®	95.0	69.3	90.3	99.0	88.4
NK-1	85.0	81.7	87.3	99.0	88.3
DLFPS-340/3364	90.0	85.7	83.3	93.0	88.0
PST-K15-172	90.0	92.0	75.7	94.3	88.0
PIVOT	90.0	83.3	81.7	96.0	87.8
DLFPS-340/3549	91.7	94.0	65.3	99.0	87.5
DLFPS-340/3494	95.0	86.0	86.7	81.7	87.3
NAI-14-132	90.0	83.3	83.7	91.3	87.1
BAR PP 7309V	99.0	67.7	82.3	96.0	86.3
BLUE KNIGHT	95.0	87.3	68.7	93.0	86.0
J-2726	85.0	91.7	70.7	96.0	85.8
PPG-KB 1320	95.0	86.7	66.0	76.7	81.1
LSD VALUE	1.0	14.4	10.2	7.8	4.8
C.V. (%)	0.7	9.8	7.6	5.0	6.6

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 22.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ND1	OK1	TN1	MEAN	NAME	ND1	OK1	TN1	MEAN
BARSERATI (BAR PP 110358)	99.0	98.7	93.3	97.0	DLFPS-340/3444	95.0	97.3	85.0	92.4
J-1138	99.0	98.0	93.0	96.7	MVS-130	96.3	88.7	92.3	92.4
A11-40	99.0	96.3	93.3	96.2	SKYE	95.3	99.0	83.0	92.4
PST-T14-39	99.0	98.0	91.3	96.1	A11-26	95.0	90.3	91.3	92.2
UNITED (NAI-13-14)	99.0	96.0	92.0	95.7	AMAZE (NAI-14-133)	95.0	97.3	84.3	92.2
BAR PP 79494	99.0	97.0	90.7	95.6	AKB3179	99.0	84.7	92.3	92.0
BAR PP 7K426	99.0	97.0	90.7	95.6	JERSEY (NAI-A16-3)	99.0	98.0	79.0	92.0
BAR PP 7236V	99.0	98.0	89.3	95.4	A16-1	99.0	91.7	84.7	91.8
DLFPS-340/3455	99.0	96.3	91.0	95.4	DLFPS-340/3551	95.0	94.0	86.0	91.7
NAI-15-80	99.0	96.0	91.0	95.3	SHAMROCK	99.0	95.7	78.7	91.1
YELLOWSTONE (A12-7)	99.0	97.7	88.7	95.1	BLUE KNIGHT	95.0	95.0	83.3	91.1
AFTER MIDNIGHT	99.0	97.0	88.7	94.9	BAR PP 71213	95.0	87.7	90.3	91.0
A13-1	96.3	98.0	90.3	94.9	HEARTLAND (NAI-14-187)	95.0	93.3	84.7	91.0
DLFPS-340/3550	95.0	96.3	93.3	94.9	NK-1	95.0	91.7	86.3	91.0
DUBLIN (PST-K15-157)	99.0	95.7	89.7	94.8	PALOMA (PST-K13-139)	95.0	91.0	86.7	90.9
CLOUD (GO-2425)	95.0	99.0	90.0	94.7	COMANCHE (NAI-14-176)	99.0	91.0	81.3	90.4
A16-7	95.0	97.7	91.0	94.6	NURUSH (J-3510)	81.7	96.3	93.0	90.3
AKB3241	99.0	94.0	90.7	94.6	A16-2	95.0	96.7	79.0	90.2
PST-K13-141	95.0	96.7	91.7	94.4	AVIATOR II (NAI-15-84)	95.0	97.0	77.7	89.9
STARR (GO-2628)	96.0	98.3	89.0	94.4	A06-8	99.0	82.7	87.0	89.6
DLFPS-340/3494	95.0	98.7	89.0	94.2	BAR PP 79366	95.0	81.3	91.3	89.2
FINISH LINE (NAI-14-178)	99.0	97.0	86.7	94.2	SYRAH (LTP-11-41)	95.0	96.3	76.0	89.1
DLFPS-340/3364	95.0	97.3	90.0	94.1	DLFPS-340/3549	95.0	92.7	78.0	88.6
ACOUSTIC (PPG-KB 1131)	95.0	98.3	88.7	94.0	PST-11-7	97.7	97.7	69.0	88.1
AKB3128	99.0	93.3	89.7	94.0	DLFPS-340/3548	95.0	96.7	72.3	88.0
NAI-14-132	95.0	97.7	89.3	94.0	BLUE DEVIL	90.0	82.7	88.3	87.0
MIDNIGHT	95.0	98.3	88.3	93.9	DLFPS-340/3556	95.0	73.3	92.3	86.9
BABE	99.0	97.7	84.7	93.8	DLFPS-340/3446	96.3	77.0	87.0	86.8
BLUE MAGIC (A99-2897)	95.0	97.7	88.7	93.8	DLFPS-340/3500	95.0	81.7	83.3	86.7
SELWAY	95.0	95.7	90.7	93.8	ELECTRIC (PST-K11-118)	95.0	72.0	92.3	86.4
NAI-14-122	95.0	96.0	90.3	93.8	PST-K15-167	99.0	74.3	86.0	86.4
DLFPS-340/3553	95.0	98.7	87.3	93.7	NAI-14-128	95.0	75.3	88.3	86.2
BLUE GEM (NAI-13-9)	99.0	96.3	85.3	93.6	J-2726	95.0	91.0	69.7	85.2
TWILIGHT (NAI-13-132)	99.0	90.7	90.7	93.4	BARVETTE HGT®	99.0	65.3	90.7	85.0
KENBLUE	95.0	95.0	90.3	93.4	A12-34	95.0	67.7	91.0	84.6
KH3492	95.0	97.3	88.0	93.4	A10-280	99.0	68.3	84.0	83.8
RAD 553	99.0	91.0	90.3	93.4	PIVOT	95.0	70.0	85.3	83.4
A16-17	95.0	94.7	90.3	93.3	A11-38	95.0	67.7	84.7	82.4
NEW MOON (PST-K15-177)	95.0	97.7	87.0	93.2	PPG-KB 1304	95.0	71.7	78.7	81.8
PST-K15-172	95.0	93.0	91.7	93.2	J-1319	90.0	71.0	84.0	81.7
BOMBAY (GO-22B23)	95.0	98.7	85.0	92.9	BAR PP 7309V	99.0	53.0	88.7	80.2
ORION (PST-K13-143)	99.0	97.7	82.0	92.9	PROSPERITY	95.0	61.7	79.3	78.7
RAD-1776	99.0	92.7	87.0	92.9	PPG-KB 1320	99.0	25.0	83.3	69.1
DLFPS-340/3438	99.0	88.7	90.3	92.7					
DLFPS-340/3552	95.0	95.3	87.7	92.7	LSD VALUE	4.1	29.2	10.3	10.4
A15-6	95.0	96.0	86.7	92.6	C.V. (%)	2.7	20.2	7.4	12.3

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

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

TABLE 23. PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ND1	NJ2	OK1	TN1	VA1	MEAN
BAR PP 7236V	99.0	99.0	96.0	90.7	99.0	96.7
A13-1	99.0	99.0	93.0	91.7	99.0	96.3
BARSERATI (BAR PP 110358)	99.0	99.0	89.7	94.0	99.0	96.1
PST-K13-141	99.0	97.7	91.7	92.7	99.0	96.0
BAR PP 79494	99.0	99.0	89.7	91.7	99.0	95.7
CLOUD (GO-2425)	95.0	97.7	94.7	91.7	99.0	95.6
J-1138	99.0	99.0	86.7	93.3	99.0	95.4
AMAZE (NAI-14-133)	99.0	97.7	93.0	86.7	99.0	95.1
NAI-15-80	99.0	96.0	89.7	91.7	99.0	95.1
BAR PP 71213	99.0	97.7	91.3	91.3	96.0	95.1
SKYE	95.0	97.7	97.7	85.3	99.0	94.9
AKB3179	99.0	99.0	85.0	93.0	97.7	94.7
DLFPS-340/3364	95.0	99.0	93.0	91.7	94.3	94.6
BAR PP 7K426	99.0	97.7	84.7	92.3	99.0	94.5
BLUE DEVIL	95.0	99.0	89.7	90.0	99.0	94.5
DLFPS-340/3550	95.0	99.0	85.0	94.0	99.0	94.4
BABE	99.0	97.7	89.3	86.7	99.0	94.3
BAR PP 7309V	99.0	97.7	88.3	90.3	96.0	94.3
DLFPS-340/3455	99.0	97.7	83.3	92.3	99.0	94.3
NAI-14-122	99.0	97.7	83.3	92.0	99.0	94.2
A12-34	99.0	97.7	83.3	91.0	99.0	94.0
A11-26	99.0	99.0	80.0	92.3	99.0	93.9
PPG-KB 1304	99.0	97.7	91.3	82.3	99.0	93.9
SELWAY	95.0	99.0	83.3	92.7	99.0	93.8
RAD-1776	99.0	99.0	83.0	88.7	99.0	93.7
BARVETTE HGT®	99.0	99.0	79.3	91.7	99.0	93.6
NAI-14-132	99.0	97.7	86.3	90.7	94.3	93.6
A11-40	99.0	93.0	83.0	93.7	99.0	93.5
ACOUSTIC (PPG-KB 1131)	99.0	99.0	79.7	91.0	99.0	93.5
NAI-14-128	99.0	96.3	86.3	90.0	96.0	93.5
YELLOWSTONE (A12-7)	99.0	91.7	89.3	90.0	97.7	93.5
TWILIGHT (NAI-13-132)	99.0	97.7	80.0	91.7	99.0	93.5
BOMBAY (GO-22B23)	99.0	99.0	83.0	87.0	99.0	93.4
DLFPS-340/3553	95.0	99.0	85.0	88.7	99.0	93.3
JERSEY (NAI-A16-3)	99.0	97.7	91.7	82.3	96.0	93.3
UNITED (NAI-13-14)	99.0	99.0	76.7	93.0	99.0	93.3
DLFPS-340/3494	99.0	95.0	96.0	89.3	86.7	93.2
PST-K15-172	99.0	99.0	78.3	92.3	96.0	92.9
AFTER MIDNIGHT	99.0	97.7	78.3	89.7	99.0	92.7
DLFPS-340/3552	95.0	99.0	81.3	89.3	99.0	92.7
KH3492	99.0	93.3	81.7	89.3	99.0	92.5
STARR (GO-2628)	97.7	99.0	76.3	90.3	99.0	92.5
A16-17	99.0	99.0	76.7	91.3	96.0	92.4
A16-7	99.0	96.0	78.0	92.0	96.0	92.2
ELECTRIC (PST-K11-118)	99.0	83.3	86.7	93.0	99.0	92.2
SYRAH (LTP-11-41)	99.0	99.0	84.7	79.3	99.0	92.2
ORION (PST-K13-143)	99.0	97.7	79.7	84.3	99.0	91.9

TABLE 23.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/						
NAME	ND1	NJ2	OK1	TN1	VA1	MEAN
AKB3241	99.0	97.7	71.7	92.0	99.0	91.9
A15-6	95.0	99.0	76.7	89.3	99.0	91.8
DLFPS-340/3556	95.0	99.0	80.0	91.7	93.0	91.7
MVS-130	96.3	99.0	71.3	93.0	99.0	91.7
DLFPS-340/3548	99.0	97.7	85.0	76.3	99.0	91.4
MIDNIGHT	99.0	99.0	70.0	90.3	97.7	91.2
BAR PP 79366	95.0	99.0	73.3	92.3	96.0	91.1
BLUE GEM (NAI-13-9)	99.0	96.3	73.3	88.0	99.0	91.1
NURUSH (J-3510)	96.3	97.7	68.0	93.7	99.0	90.9
A10-280	99.0	99.0	69.7	86.3	99.0	90.6
DLFPS-340/3549	99.0	97.7	74.7	81.7	99.0	90.4
NK-1	99.0	97.7	68.3	88.0	99.0	90.4
DLFPS-340/3551	99.0	99.0	66.7	87.7	99.0	90.3
AKB3128	99.0	97.7	63.3	91.0	99.0	90.0
AVIATOR II (NAI-15-84)	95.0	93.0	81.7	81.0	99.0	89.9
A16-2	99.0	96.3	73.3	82.0	99.0	89.9
NEW MOON (PST-K15-177)	99.0	94.7	78.3	88.3	88.3	89.7
FINISH LINE (NAI-14-178)	99.0	97.7	70.0	87.0	94.3	89.6
DLFPS-340/3500	99.0	99.0	63.3	85.7	99.0	89.2
DLFPS-340/3438	99.0	99.0	63.3	91.7	92.7	89.1
HEARTLAND (NAI-14-187)	99.0	96.0	68.3	86.0	96.0	89.1
BLUE KNIGHT	95.0	96.3	71.7	85.7	96.3	89.0
PALOMA (PST-K13-139)	99.0	97.7	56.7	88.7	99.0	88.2
DLFPS-340/3444	95.0	99.0	63.3	87.3	96.0	88.1
A16-1	99.0	97.7	56.7	87.3	99.0	87.9
PST-T14-39	99.0	96.0	61.7	90.3	91.3	87.7
KENBLUE	99.0	97.7	51.7	91.7	97.7	87.5
PST-K15-167	99.0	96.3	60.0	87.3	94.7	87.5
SHAMROCK	99.0	97.7	60.0	81.7	99.0	87.5
PIVOT	99.0	97.7	53.3	88.0	99.0	87.4
BLUE MAGIC (A99-2897)	99.0	99.0	48.3	90.3	99.0	87.1
J-1319	95.0	93.3	63.3	86.3	97.7	87.1
A06-8	99.0	97.7	46.7	89.3	99.0	86.3
DLFPS-340/3446	99.0	97.7	50.0	88.7	96.0	86.3
RAD 553	97.7	99.0	43.3	91.7	97.7	85.9
COMANCHE (NAI-14-176)	99.0	91.3	58.3	84.0	96.0	85.7
A11-38	99.0	93.0	51.7	86.7	93.0	84.7
PST-11-7	99.0	53.3	99.0	73.7	91.3	83.3
DUBLIN (PST-K15-157)	99.0	94.7	36.7	91.3	92.7	82.9
PROSPERITY	99.0	96.3	35.0	82.3	92.7	81.1
J-2726	95.0	91.7	45.0	74.3	96.0	80.4
PPG-KB 1320	99.0	90.0	13.3	86.3	80.0	73.7
LSD VALUE	0.8	7.7	34.7	8.7	6.3	7.4
C.V. (%)	0.5	4.9	28.8	6.1	4.1	11.3

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

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

TABLE 24.

DROUGHT TOLERANCE (WILTING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 2/							
NAME	NJ1	NJ2	MEAN	NAME	NJ1	NJ2	MEAN
BLUE MAGIC (A99-2897)	9.0	8.3	8.7	FINISH LINE (NAI-14-178)	8.3	2.7	5.5
PPG-KB 1304	8.7	8.7	8.7	DLFPS-340/3548	5.0	5.7	5.3
BOMBAY (GO-22B23)	8.7	8.0	8.3	ORION (PST-K13-143)	6.7	4.0	5.3
A16-17	8.3	7.7	8.0	BAR PP 71213	7.0	3.7	5.3
BARSERATI (BAR PP 110358)	9.0	7.0	8.0	DLFPS-340/3556	3.3	7.0	5.2
BAR PP 7K426	8.7	6.7	7.7	JERSEY (NAI-A16-3)	6.7	3.7	5.2
SKYE	7.3	8.0	7.7	BAR PP 79366	3.0	7.3	5.2
A15-6	8.3	6.7	7.5	NAI-15-80	7.3	3.0	5.2
DLFPS-340/3552	9.0	6.0	7.5	AKB3128	5.0	5.0	5.0
NK-1	8.7	6.3	7.5	A11-26	4.0	5.7	4.8
DLFPS-340/3550	8.0	6.7	7.3	KENBLUE	7.7	2.0	4.8
A12-34	8.7	6.0	7.3	NAI-14-128	5.0	4.7	4.8
CLOUD (GO-2425)	6.7	7.7	7.2	PST-K15-167	5.7	4.0	4.8
STARR (GO-2628)	6.7	7.7	7.2	AVIATOR II (NAI-15-84)	7.0	2.7	4.8
A11-40	6.7	7.3	7.0	DLFPS-340/3494	8.3	1.0	4.7
BAR PP 79494	7.7	6.3	7.0	DUBLIN (PST-K15-157)	7.0	2.3	4.7
BLUE GEM (NAI-13-9)	9.0	5.0	7.0	DLFPS-340/3500	2.0	7.3	4.7
DLFPS-340/3553	7.7	6.3	7.0	BABE	4.7	4.3	4.5
ELECTRIC (PST-K11-118)	8.0	6.0	7.0	DLFPS-340/3549	4.0	5.0	4.5
J-1138	8.7	5.3	7.0	PST-T14-39	4.7	4.3	4.5
NURUSH (J-3510)	8.3	5.3	6.8	PALOMA (PST-K13-139)	7.7	1.0	4.3
PIVOT	8.3	5.3	6.8	J-1319	5.0	3.7	4.3
DLFPS-340/3438	8.7	5.0	6.8	DLFPS-340/3444	5.7	2.7	4.2
DLFPS-340/3551	8.7	5.0	6.8	HEARTLAND (NAI-14-187)	2.0	6.3	4.2
SYRAH (LTP-11-41)	5.0	8.3	6.7	PST-11-7	7.3	1.0	4.2
ACOUSTIC (PPG-KB 1131)	7.7	5.3	6.5	NAI-14-132	2.7	5.3	4.0
MIDNIGHT	8.0	5.0	6.5	AMAZE (NAI-14-133)	3.0	4.7	3.8
SELWAY	8.0	5.0	6.5	BLUE KNIGHT	5.0	2.7	3.8
A13-1	4.3	8.3	6.3	AKB3241	3.0	4.0	3.5
BAR PP 7236V	8.0	4.7	6.3	NEW MOON (PST-K15-177)	6.0	1.0	3.5
BLUE DEVIL	7.7	5.0	6.3	PROSPERITY	5.3	1.7	3.5
DLFPS-340/3364	7.3	5.3	6.3	RAD-1776	5.0	2.0	3.5
A06-8	7.7	4.7	6.2	SHAMROCK	4.3	2.7	3.5
PST-K13-141	7.7	4.7	6.2	A11-38	5.0	1.7	3.3
RAD 553	8.3	4.0	6.2	PPG-KB 1320	5.0	1.7	3.3
A10-280	8.0	4.3	6.2	AKB3179	1.3	4.3	2.8
DLFPS-340/3455	8.0	4.0	6.0	NAI-14-122	2.0	3.7	2.8
PST-K15-172	6.7	5.3	6.0	COMANCHE (NAI-14-176)	1.3	4.0	2.7
UNITED (NAI-13-14)	7.3	4.7	6.0	DLFPS-340/3446	1.7	3.7	2.7
AFTER MIDNIGHT	6.0	5.7	5.8	MVS-130	2.0	3.0	2.5
A16-7	8.0	3.7	5.8	J-2726	2.0	2.3	2.2
BAR PP 7309V	8.0	3.7	5.8	YELLOWSTONE (A12-7)	3.0	1.3	2.2
TWILIGHT (NAI-13-132)	8.0	3.7	5.8	A16-1	2.3	1.7	2.0
BARVETTE HGT®	8.3	3.0	5.7				
KH3492	6.0	5.3	5.7	LSD VALUE	2.4	2.3	1.7
A16-2	5.7	5.3	5.5	C.V. (%)	23.5	30.7	26.6

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 25. STEM RUST RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

STEM RUST RATINGS 1-9; 9=NO DISEASE 2/			
NAME	IN1	NAME	IN1
A10-280	8.3	A15-6	6.0
A13-1	8.3	AVIATOR II (NAI-15-84)	6.0
BARSERATI (BAR PP 110358)	8.0	BAR PP 7236V	6.0
RAD-1776	8.0	DLFPS-340/3552	6.0
BARVETTE HGT®	7.7	DLFPS-340/3556	6.0
KENBLUE	7.7	HEARTLAND (NAI-14-187)	6.0
A16-17	7.3	J-1138	6.0
A16-2	7.3	MIDNIGHT	6.0
AKB3179	7.3	NK-1	6.0
BAR PP 71213	7.3	PST-K15-167	6.0
DLFPS-340/3455	7.3	UNITED (NAI-13-14)	6.0
ELECTRIC (PST-K11-118)	7.3	A16-1	5.7
A06-8	7.0	BOMBAY (GO-22B23)	5.7
A12-34	7.0	COMANCHE (NAI-14-176)	5.7
AKB3128	7.0	DLFPS-340/3444	5.7
BAR PP 7309V	7.0	NURUSH (J-3510)	5.7
BAR PP 79366	7.0	PST-11-7	5.7
BAR PP 7K426	7.0	PST-T14-39	5.7
DLFPS-340/3446	7.0	RAD 553	5.7
DLFPS-340/3549	7.0	SKYE	5.7
DLFPS-340/3553	7.0	NAI-15-80	5.3
SELWAY	7.0	PALOMA (PST-K13-139)	5.3
A11-26	6.7	PST-K15-172	5.3
A11-40	6.7	SHAMROCK	5.3
A16-7	6.7	BLUE KNIGHT	5.0
AKB3241	6.7	CLOUD (GO-2425)	5.0
BAR PP 79494	6.7	FINISH LINE (NAI-14-178)	5.0
BLUE DEVIL	6.7	J-1319	5.0
DLFPS-340/3364	6.7	MVS-130	5.0
DLFPS-340/3548	6.7	NAI-14-122	5.0
DLFPS-340/3550	6.7	NAI-14-128	5.0
DLFPS-340/3551	6.7	NAI-14-132	5.0
KH3492	6.7	PROSPERITY	5.0
ORION (PST-K13-143)	6.7	AMAZE (NAI-14-133)	4.7
PST-K13-141	6.7	STARR (GO-2628)	4.7
TWILIGHT (NAI-13-132)	6.5	SYRAH (LTP-11-41)	4.7
ACOUSTIC (PPG-KB 1131)	6.3	YELLOWSTONE (A12-7)	4.7
BABE	6.3	PIVOT	4.3
BLUE GEM (NAI-13-9)	6.3	AFTER MIDNIGHT	4.0
BLUE MAGIC (A99-2897)	6.3	NEW MOON (PST-K15-177)	4.0
DLFPS-340/3438	6.3	PPG-KB 1320	3.5
DLFPS-340/3500	6.3	DLFPS-340/3494	3.0
DUBLIN (PST-K15-157)	6.3	J-2726	3.0
JERSEY (NAI-A16-3)	6.3		
PPG-KB 1304	6.3	LSD VALUE	1.3
A11-38	6.0	C.V. (%)	13.0

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

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

TABLE 26.

DOLLAR SPOT RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

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

NAME	IN1	NAME	IN1
AFTER MIDNIGHT	9.0	DLFPS-340/3494	7.5
DLFPS-340/3438	9.0	A06-8	7.3
DLFPS-340/3550	9.0	BLUE KNIGHT	7.3
DUBLIN (PST-K15-157)	9.0	DLFPS-340/3364	7.3
AKB3241	8.7	DLFPS-340/3455	7.3
AMAZE (NAI-14-133)	8.7	DLFPS-340/3553	7.3
DLFPS-340/3551	8.7	J-1138	7.3
MIDNIGHT	8.7	NAI-15-80	7.3
MVS-130	8.7	NURUSH (J-3510)	7.3
NAI-14-128	8.7	BAR PP 7K426	7.0
STARR (GO-2628)	8.7	HEARTLAND (NAI-14-187)	7.0
A12-34	8.3	PPG-KB 1320	7.0
A13-1	8.3	PST-K15-172	7.0
AKB3128	8.3	SHAMROCK	7.0
AKB3179	8.3	TWILIGHT (NAI-13-132)	7.0
BLUE GEM (NAI-13-9)	8.3	YELLOWSTONE (A12-7)	7.0
DLFPS-340/3552	8.3	A11-26	6.7
NAI-14-122	8.3	A16-2	6.7
PIVOT	8.3	A16-7	6.7
PPG-KB 1304	8.3	BARVETTE HGT®	6.7
PROSPERITY	8.3	DLFPS-340/3549	6.7
PST-11-7	8.3	ORION (PST-K13-143)	6.7
SELWAY	8.3	PST-K13-141	6.7
SKYE	8.3	FINISH LINE (NAI-14-178)	6.5
UNITED (NAI-13-14)	8.3	A10-280	6.3
A15-6	8.0	A11-38	6.3
ACOUSTIC (PPG-KB 1131)	8.0	A16-1	6.3
BAR PP 79494	8.0	A16-17	6.3
BARSERATI (BAR PP 110358)	8.0	BABE	6.3
BLUE DEVIL	8.0	BAR PP 7236V	6.3
COMANCHE (NAI-14-176)	8.0	BAR PP 7309V	6.3
DLFPS-340/3444	8.0	DLFPS-340/3500	6.3
NAI-14-132	8.0	RAD 553	6.3
NEW MOON (PST-K15-177)	8.0	BAR PP 71213	6.0
NK-1	8.0	JERSEY (NAI-A16-3)	6.0
A11-40	7.7	SYRAH (LTP-11-41)	6.0
AVIATOR II (NAI-15-84)	7.7	BAR PP 79366	5.7
BLUE MAGIC (A99-2897)	7.7	DLFPS-340/3548	5.7
BOMBAY (GO-22B23)	7.7	PST-T14-39	5.7
CLOUD (GO-2425)	7.7	KENBLUE	5.0
DLFPS-340/3446	7.7	PALOMA (PST-K13-139)	4.7
DLFPS-340/3556	7.7	J-2726	4.0
ELECTRIC (PST-K11-118)	7.7		
KH3492	7.7	LSD VALUE	1.6
PST-K15-167	7.7	C.V. (%)	12.8
RAD-1776	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 27.

SEEDHEAD RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/			
NAME	IN1	NAME	IN1
AKB3179	8.7	KH3492	5.7
FINISH LINE (NAI-14-178)	8.5	PROSPERITY	5.7
SELWAY	8.3	RAD-1776	5.7
A11-26	8.0	AKB3241	5.3
AFTER MIDNIGHT	8.0	AMAZE (NAI-14-133)	5.3
BARVETTE HGT®	8.0	BLUE DEVIL	5.3
DLFPS-340/3549	8.0	BOMBAY (GO-22B23)	5.3
DLFPS-340/3550	8.0	DLFPS-340/3446	5.3
JERSEY (NAI-A16-3)	8.0	DUBLIN (PST-K15-157)	5.3
PPG-KB 1304	8.0	HEARTLAND (NAI-14-187)	5.3
UNITED (NAI-13-14)	8.0	NAI-14-122	5.3
A16-17	7.7	NK-1	5.3
BAR PP 79366	7.7	SKYE	5.3
BLUE MAGIC (A99-2897)	7.7	A10-280	5.0
DLFPS-340/3548	7.7	A16-2	5.0
DLFPS-340/3556	7.7	BABE	5.0
KENBLUE	7.7	BAR PP 7K426	5.0
MIDNIGHT	7.7	COMANCHE (NAI-14-176)	5.0
PPG-KB 1320	7.7	DLFPS-340/3438	5.0
A11-38	7.3	MVS-130	5.0
A12-34	7.3	NAI-14-132	5.0
BAR PP 79494	7.3	PST-K15-172	5.0
BLUE GEM (NAI-13-9)	7.3	PST-T14-39	5.0
NURUSH (J-3510)	7.3	A16-1	4.7
BARSERATI (BAR PP 110358)	7.0	AVIATOR II (NAI-15-84)	4.7
J-1138	7.0	DLFPS-340/3444	4.7
J-2726	7.0	ELECTRIC (PST-K11-118)	4.7
RAD 553	7.0	SHAMROCK	4.7
STARR (GO-2628)	7.0	YELLOWSTONE (A12-7)	4.7
A06-8	6.7	AKB3128	4.3
A16-7	6.7	DLFPS-340/3551	4.3
DLFPS-340/3552	6.7	ORION (PST-K13-143)	4.3
TWILIGHT (NAI-13-132)	6.7	PST-K13-141	4.3
A13-1	6.3	BAR PP 7236V	4.0
CLOUD (GO-2425)	6.3	BAR PP 7309V	4.0
DLFPS-340/3500	6.3	BLUE KNIGHT	4.0
PALOMA (PST-K13-139)	6.3	DLFPS-340/3494	4.0
SYRAH (LTP-11-41)	6.3	PIVOT	4.0
ACOUSTIC (PPG-KB 1131)	6.0	NEW MOON (PST-K15-177)	3.7
DLFPS-340/3364	6.0	PST-K15-167	3.7
J-1319	6.0	NAI-15-80	3.3
NAI-14-128	6.0	PST-11-7	3.0
A11-40	5.7	BAR PP 71213	2.3
A15-6	5.7		
DLFPS-340/3455	5.7	LSD VALUE	1.2
DLFPS-340/3553	5.7	C.V. (%)	12.9

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 28.

TURF UNIFORMITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/
2021 DATA

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

NAME	MI1	NC1	NE1	MEAN	NAME	MI1	NC1	NE1	MEAN
BARVETTE HGT®	9.0	9.0	7.0	8.3	AKB3241	5.3	5.0	6.3	5.6
BAR PP 7236V	8.7	6.0	6.7	7.1	DLFPS-340/3553	6.3	4.3	6.0	5.6
ELECTRIC (PST-K11-118)	8.7	5.3	7.0	7.0	AFTER MIDNIGHT	5.7	4.7	6.0	5.4
A10-280	7.3	7.0	6.3	6.9	AKB3179	7.0	3.0	6.3	5.4
BARSERATI (BAR PP 110358)	8.0	5.0	7.3	6.8	BABE	7.0	3.0	6.0	5.3
J-1138	6.7	6.7	6.7	6.7	DLFPS-340/3364	5.3	4.7	6.0	5.3
PPG-KB 1304	8.7	4.0	7.0	6.6	DLFPS-340/3455	6.7	2.7	6.7	5.3
DLFPS-340/3552	7.0	6.3	6.0	6.4	JERSEY (NAI-A16-3)	7.0	2.3	6.7	5.3
MIDNIGHT	7.3	6.0	6.0	6.4	A06-8	6.7	2.7	6.3	5.2
BAR PP 7K426	7.3	5.0	6.7	6.3	A15-6	6.0	4.0	5.7	5.2
DLFPS-340/3500	6.7	6.7	5.7	6.3	AVIATOR II (NAI-15-84)	4.7	4.0	7.0	5.2
BLUE DEVIL	8.0	4.0	6.7	6.2	BLUE KNIGHT	5.0	3.7	7.0	5.2
KENBLUE	7.0	5.0	6.7	6.2	DLFPS-340/3550	6.0	3.7	6.0	5.2
SELWAY	7.3	4.3	7.0	6.2	J-1319	7.0	2.3	6.3	5.2
UNITED (NAI-13-14)	7.3	5.0	6.3	6.2	DLFPS-340/3446	6.3	3.0	6.3	5.2
DLFPS-340/3551	7.7	4.0	6.7	6.1	DLFPS-340/3556	7.3	2.0	6.3	5.2
NK-1	6.7	5.0	6.7	6.1	BAR PP 71213	6.0	3.3	6.0	5.1
PST-K15-172	6.7	4.0	7.7	6.1	NAI-14-122	6.7	2.7	6.0	5.1
ACOUSTIC (PPG-KB 1131)	7.3	4.7	6.3	6.1	PST-T14-39	4.0	4.7	6.7	5.1
BAR PP 7309V	6.0	5.7	6.3	6.0	A12-34	6.3	2.3	6.7	5.1
BAR PP 79494	6.0	5.7	6.3	6.0	AKB3128	6.0	3.7	5.7	5.1
BLUE MAGIC (A99-2897)	6.7	5.3	6.0	6.0	DLFPS-340/3444	6.0	3.0	6.3	5.1
BOMBAY (GO-22B23)	7.7	4.0	6.0	5.9	DLFPS-340/3548	6.0	2.0	7.0	5.0
CLOUD (GO-2425)	7.0	4.0	6.7	5.9	FINISH LINE (NAI-14-178)	5.0	3.0	7.0	5.0
DLFPS-340/3438	7.7	3.0	7.0	5.9	PROSPERITY	6.3	2.0	6.7	5.0
SYRAH (LTP-11-41)	7.7	3.3	6.7	5.9	A16-7	5.3	2.7	6.7	4.9
BAR PP 79366	7.0	4.3	6.3	5.9	PALOMA (PST-K13-139)	6.0	1.7	7.0	4.9
KH3492	7.3	4.0	6.3	5.9	PIVOT	5.7	2.0	7.0	4.9
STARR (GO-2628)	7.3	4.0	6.3	5.9	NEW MOON (PST-K15-177)	4.3	3.0	7.3	4.9
BLUE GEM (NAI-13-9)	6.0	4.7	6.7	5.8	A11-38	6.7	1.3	6.3	4.8
PST-K13-141	8.0	2.3	7.0	5.8	AMAZE (NAI-14-133)	5.7	2.3	6.3	4.8
SKYE	8.0	3.3	6.0	5.8	NAI-14-132	6.3	2.0	6.0	4.8
A11-40	7.3	3.7	6.3	5.8	PPG-KB 1320	6.0	1.7	6.7	4.8
A13-1	7.3	3.3	6.7	5.8	PST-K15-167	4.7	2.7	6.7	4.7
NURUSH (J-3510)	7.3	3.7	6.3	5.8	COMANCHE (NAI-14-176)	5.7	1.7	6.3	4.6
TWILIGHT (NAI-13-132)	6.3	4.7	6.3	5.8	MVS-130	4.7	3.3	5.7	4.6
A11-26	6.0	4.3	6.7	5.7	HEARTLAND (NAI-14-187)	5.3	2.3	6.0	4.6
DLFPS-340/3549	6.7	3.3	7.0	5.7	NAI-15-80	5.3	2.0	6.3	4.6
ORION (PST-K13-143)	5.7	4.0	7.3	5.7	NAI-14-128	5.7	1.7	6.0	4.4
RAD-1776	8.0	3.0	6.0	5.7	J-2726	4.0	2.3	6.7	4.3
SHAMROCK	6.0	5.0	6.0	5.7	DLFPS-340/3494	3.7	3.3	5.7	4.2
A16-2	6.7	3.3	6.7	5.6	PST-11-7	3.0	3.3	6.3	4.2
DUBLIN (PST-K15-157)	6.0	4.0	6.7	5.6	A16-1	4.3	1.7	6.3	4.1
RAD 553	6.7	3.3	6.7	5.6					
YELLOWSTONE (A12-7)	6.7	3.7	6.3	5.6	LSD VALUE	2.2	2.2	0.9	1.1
A16-17	7.3	3.0	6.3	5.6	C.V. (%)	21.7	36.6	8.9	21.2

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

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

TABLE 29.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF KENTUCKY BLUEGRASS CULTIVARS IN THE
2017 NATIONAL KENTUCKY BLUEGRASS TEST AT RALEIGH, NC 1/
2021 DATA

SUMMER PATCH AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	JULY	SEPTEMBER	OCTOBER	MEAN	NAME	JULY	SEPTEMBER	OCTOBER	MEAN
BARVETTE HGT®	3.3	8.3	9.0	6.9	DLFPS-340/3553	4.7	4.0	2.3	3.7
DLFPS-340/3552	6.0	6.3	6.7	6.3	SHAMROCK	5.0	2.7	3.3	3.7
MIDNIGHT	7.0	5.7	5.7	6.1	A11-26	3.3	3.7	3.7	3.6
A10-280	4.0	5.7	6.3	5.3	AVIATOR II (NAI-15-84)	4.7	3.0	3.0	3.6
ELECTRIC (PST-K11-118)	5.7	4.7	5.7	5.3	DLFPS-340/3438	6.7	2.3	1.7	3.6
BAR PP 79494	5.7	5.3	4.7	5.2	DLFPS-340/3446	6.3	2.3	2.0	3.6
DLFPS-340/3550	7.0	5.3	3.3	5.2	MVS-130	5.3	3.7	1.7	3.6
DLFPS-340/3551	6.7	4.7	4.3	5.2	RAD-1776	5.7	3.0	2.0	3.6
PPG-KB 1304	7.3	4.7	3.7	5.2	BABE	4.0	4.0	2.3	3.4
J-1138	5.7	5.0	4.7	5.1	J-1319	6.7	2.0	1.7	3.4
AKB3241	5.7	4.7	4.7	5.0	JERSEY (NAI-A16-3)	5.0	3.0	2.3	3.4
NK-1	4.7	5.3	5.0	5.0	ORION (PST-K13-143)	5.0	2.7	2.7	3.4
BAR PP 7309V	4.3	4.7	5.7	4.9	PST-K13-141	4.7	3.7	2.0	3.4
BARSERATI (BAR PP 110358)	7.0	4.0	3.7	4.9	A12-34	6.0	2.7	1.3	3.3
BLUE MAGIC (A99-2897)	6.0	4.0	4.7	4.9	A16-7	5.3	2.7	2.0	3.3
BAR PP 79366	5.7	4.0	4.7	4.8	HEARTLAND (NAI-14-187)	5.7	3.0	1.3	3.3
CLOUD (GO-2425)	6.0	4.7	3.7	4.8	NAI-14-122	6.7	2.3	1.0	3.3
BOMBAY (GO-22B23)	6.7	4.0	3.3	4.7	SELWAY	3.7	3.7	2.7	3.3
AFTER MIDNIGHT	6.7	4.3	2.7	4.6	A16-2	7.0	1.3	1.3	3.2
DLFPS-340/3364	6.3	4.0	3.3	4.6	AKB3179	5.0	2.7	2.0	3.2
ACOUSTIC (PPG-KB 1131)	5.3	4.0	4.0	4.4	DLFPS-340/3455	4.7	3.3	1.7	3.2
BAR PP 7K426	5.7	3.7	4.0	4.4	DLFPS-340/3549	4.3	3.3	2.0	3.2
BLUE GEM (NAI-13-9)	6.7	3.0	3.7	4.4	DLFPS-340/3556	6.0	2.7	1.0	3.2
STARR (GO-2628)	6.0	4.0	3.3	4.4	NURUSH (J-3510)	5.0	2.3	2.3	3.2
NEW MOON (PST-K15-177)	7.0	3.3	2.7	4.3	SYRAH (LTP-11-41)	4.3	3.3	2.0	3.2
UNITED (NAI-13-14)	6.3	3.3	3.3	4.3	A16-17	5.0	2.3	2.0	3.1
PST-K15-172	4.7	4.3	3.7	4.2	J-2726	5.7	2.0	1.7	3.1
TWILIGHT (NAI-13-132)	5.3	4.0	3.3	4.2	PROSPERITY	5.3	2.7	1.3	3.1
A06-8	7.3	3.3	1.7	4.1	NAI-15-80	6.0	1.7	1.3	3.0
A15-6	5.3	4.0	3.0	4.1	A16-1	5.7	1.7	1.3	2.9
AKB3128	6.3	3.0	3.0	4.1	PALOMA (PST-K13-139)	5.3	2.0	1.3	2.9
DLFPS-340/3444	7.0	3.0	2.3	4.1	DLFPS-340/3548	4.7	2.0	1.7	2.8
KENBLUE	4.0	4.3	4.0	4.1	NAI-14-132	4.3	2.0	1.7	2.7
PST-T14-39	5.0	4.0	3.3	4.1	PST-11-7	4.0	2.3	1.7	2.7
A11-40	6.3	3.0	2.7	4.0	BAR PP 71213	4.0	2.0	1.7	2.6
DLFPS-340/3500	4.3	3.7	4.0	4.0	COMANCHE (NAI-14-176)	5.0	1.7	1.0	2.6
DUBLIN (PST-K15-157)	5.0	4.3	2.7	4.0	FINISH LINE (NAI-14-178)	5.0	1.0	1.7	2.6
KH3492	4.0	4.3	3.0	3.8	NAI-14-128	5.3	1.3	1.0	2.6
PST-K15-167	4.7	4.3	2.3	3.8	AMAZE (NAI-14-133)	4.7	1.7	1.0	2.4
SKYE	5.0	4.0	2.3	3.8	PIVOT	5.3	1.0	1.0	2.4
YELLOWSTONE (A12-7)	4.3	3.7	3.3	3.8	RAD 553	3.3	2.0	1.7	2.3
A13-1	6.0	3.3	1.7	3.7	PPG-KB 1320	4.0	1.3	1.3	2.2
BAR PP 7236V	4.3	3.0	3.7	3.7	A11-38	3.7	1.3	1.0	2.0
BLUE DEVIL	4.3	3.7	3.0	3.7					
BLUE KNIGHT	6.3	2.7	2.0	3.7	LSD VALUE	2.1	2.1	2.4	1.6
DLFPS-340/3494	4.3	4.3	2.3	3.7	C.V. (%)	21.3	36.0	50.0	24.3

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

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

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR KENTUCKY BLUEGRASS CULTIVARS */
 2021 DATA
 TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF **/

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/	NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
A06-8	5.6	25.0	DLFPS-340/3552	5.9	31.3
A10-280	5.7	18.8	DLFPS-340/3553	5.8	31.3
A11-26	5.7	25.0	DLFPS-340/3556	5.5	12.5
A11-38	5.2	6.3	DUBLIN (PST-K15-157)	5.2	18.8
A11-40	5.8	18.8	ELECTRIC (PST-K11-118)	6.0	37.5
A12-34	5.3	12.5	FINISH LINE (NAI-14-178)	5.6	18.8
A13-1	5.8	37.5	HEARTLAND (NAI-14-187)	5.0	6.3
A15-6	5.5	25.0	J-1138	6.0	43.8
A16-1	5.3	25.0	J-1319	4.9	6.3
A16-17	5.7	31.3	J-2726	5.2	6.3
A16-2	5.7	31.3	JERSEY (NAI-A16-3)	5.7	12.5
A16-7	5.3	12.5	KENBLUE	5.0	12.5
ACOUSTIC (PPG-KB 1131)	6.0	37.5	KH3492	5.8	31.3
AFTER MIDNIGHT	5.6	43.8	MIDNIGHT	6.1	50.0
AKB3128	5.7	18.8	MVS-130	5.3	12.5
AKB3179	5.6	31.3	NAI-14-122	5.4	12.5
AKB3241	5.6	18.8	NAI-14-128	5.3	6.3
AMAZE (NAI-14-133)	5.2	12.5	NAI-14-132	5.2	18.8
AVIATOR II (NAI-15-84)	5.1	6.3	NAI-15-80	5.3	18.8
BABE	5.7	12.5	NEW MOON (PST-K15-177)	5.2	25.0
BAR PP 71213	5.2	0.0	NK-1	5.2	0.0
BAR PP 7236V	6.0	43.8	NURUSH (J-3510)	5.9	31.3
BAR PP 7309V	5.4	12.5	ORION (PST-K13-143)	5.5	12.5
BAR PP 79366	5.7	31.3	PALOMA (PST-K13-139)	5.1	0.0
BAR PP 79494	5.9	43.8	PIVOT	5.4	12.5
BAR PP 7K426	5.7	31.3	PPG-KB 1304	6.0	43.8
BARSERATI (BAR PP 110358)	6.2	50.0	PPG-KB 1320	4.9	18.8
BARVETTE HGT®	5.9	37.5	PROSPERITY	5.4	18.8
BLUE DEVIL	5.8	37.5	PST-11-7	5.1	31.3
BLUE GEM (NAI-13-9)	6.2	68.8	PST-K13-141	5.7	18.8
BLUE KNIGHT	4.9	0.0	PST-K15-167	5.0	6.3
BLUE MAGIC (A99-2897)	5.8	18.8	PST-K15-172	5.8	31.3
BOMBAY (GO-22B23)	6.3	68.8	PST-T14-39	5.3	12.5
CLOUD (GO-2425)	6.2	62.5	RAD 553	5.2	0.0
COMANCHE (NAI-14-176)	5.2	12.5	RAD-1776	5.5	18.8
DLFPS-340/3364	5.3	12.5	SELWAY	5.5	18.8
DLFPS-340/3438	5.4	6.3	SHAMROCK	5.4	0.0
DLFPS-340/3444	5.3	0.0	SKYE	6.1	56.3
DLFPS-340/3446	5.3	12.5	STARR (GO-2628)	6.2	50.0
DLFPS-340/3455	5.4	12.5	SYRAH (LTP-11-41)	5.9	43.8
DLFPS-340/3494	5.2	12.5	TWILIGHT (NAI-13-132)	5.8	25.0
DLFPS-340/3500	5.7	37.5	UNITED (NAI-13-14)	5.9	25.0
DLFPS-340/3548	5.3	6.3	YELLOWSTONE (A12-7)	5.3	12.5
DLFPS-340/3549	5.3	0.0			
DLFPS-340/3550	5.9	31.3	LSL VALUE	0.3	
DLFPS-340/3551	5.6	25.0	C.V. (%)	12.9	

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

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

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

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