

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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CONTENTS

2016 National Perennial Ryegrass Test - 2020 data

LOCATIONS SUBMITTING DATA FOR 2020.....	1
NATIONAL PERENNIAL RYEGRASS TEST, 2016 - Entries and Sponsors.....	3
Table A - 2020 Locations, Site Descriptions and Management Practices in the 2016 National Perennial Ryegrass Test.....	4
Table B - Locations and Data Collected in 2020.....	5
Table 1 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown in Location Performance Index (LPI) Group 1.....	6
Table 2 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown in Location Performance Index (LPI) Group 2.....	8
Table 3 - Mean Turfgrass Quality and Other Ratings of Perennial Ryegrass Cultivars Grown at Four Locations in the U.S. Maintained Using Schedule A.....	10
Table 4 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown at Two Locations in the U.S. Maintained Using Schedule B.....	13
Table 5 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown at Six Locations in the U.S. Maintained Using Schedule C.....	16
Table 6 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown at Two Locations in the Northeast Region.....	19
Table 7 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown at Five Locations in the Transition Region.....	22
Table 8 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown at Three Locations in the North Central Region.....	25
Table 9 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown at Logan, UT in the Upper West/Mountain Region.....	28
Table 10 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars For Each Month Grown at Corvallis, OR in the Pacific Region.....	31
Table 11 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown Under Traffic Stress at Amherst, MA.....	34
Table 12 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown Under Traffic Stress at Corvallis, OR.....	37
Table 13 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown Under Traffic Stress at Madison, WI.....	40
Table 14 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars Grown Under Reduced Irrigation at Logan, UT	43
Table 15 - Percent Recovery Ratings from Divots of Perennial Ryegrass Cultivars Grown at Lexington, KY.....	46
Table 16 - Genetic Color Ratings of Perennial Ryegrass Cultivars.....	49
Table 17 - Spring Greenup Ratings of Perennial Ryegrass Cultivars.....	52

CONTENTS (continued)

Table 18 - Percent Living Ground Cover (Spring) Ratings of Perennial Ryegrass Cultivars.....	55
Table 19 - Stem Rust Ratings of Perennial Ryegrass Cultivars.....	58
Table 20 - Brown Patch (Warm Temperature) Ratings of Perennial Ryegrass Cultivars.....	59
Table 21 - Pink Snow Mold Ratings of Perennial Ryegrass Cultivars.....	60
Appendix Table - Summary of Turfgrass Quality Ratings of Perennial Ryegrass Cultivars.....	61

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>.

2016 NATIONAL PERENNIAL RYEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2020

State	Location	Code
Connecticut	Storrs	CT1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Kentucky	Lexington (Divot Recovery)	KY2
Massachusetts	Amherst	MA1
Maryland	College Park	MD1
Minnesota	St. Paul	MN1
Missouri	Columbia	MO1
Nebraska	Mead	NE1
New Jersey	Adelphia	NJ2
Oregon	Corvallis	OR1
Oregon	Corvallis (Traffic)	OR2
Utah	Logan	UT1
Utah	Logan (Drought)	UT2
Virginia	Blacksburg	VA1
Wisconsin	Madison (Traffic)	WI1

2016 NATIONAL PERENNIAL RYEGRASS TEST

Entries and Sponsors

Entry	Name	Sponsor	Entry	Name	Sponsor	Entry	Name	Sponsor
1	021	The Scotts Miracle-Gro Co.	40	APR2616	Pennington Seed	*79	Furlong (LTP-FCB)	Lebanon Seaboard Corp.
*2	Hatrick (BSP-17)	Bailey Seed & Grain LLC	41	GO-141	Grassland Oregon	80	BAR LP 6117	Barenbrug USA
*3	Fireball (BWH)	Bailey Seed & Grain LLC	*42	Belize 2 (GO-142)	Grassland Oregon	81	BAR LP 6131	Barenbrug USA
*4	Tee-Me-Up (BSP-25)	Bailey Seed & Grain LLC	*43	Cayman (GO-143)	Grassland Oregon	82	BAR LP 6159	Barenbrug USA
*5	Savant	Columbia Seeds	44	APR2612	ProSeeds Marketing	83	BAR LP 6233	Barenbrug USA
6	LPB-SD-105	Ledeboer Seed LLC	45	APR3060	Pennington Seed	84	PST-2FOXY	Pure-Seed Testing, Inc.
*7	Saguaro	Columbia Seeds	*46	Green Supreme+ (AMP-R1)	AMPAC Seed Co.	*85	Silver Sport (PST-2CRP)	Rose Agri-Seed, Inc.
8	LPB-SD-104	Ledeboer Seed LLC	47	DLFPS-236/3546	DLF Pickseed USA, Inc	86	PST-2EGAD	Pure-Seed Testing, Inc
*9	Mensa	Ledeboer Seed LLC	*48	Mystique (DLFPS-236/3547)	DLF Pickseed USA, Inc	*87	Gray Hawk (PST-2FIND)	Pure-Seed Testing, Inc.
10	LPB-SD-101	Ledeboer Seed LLC	49	DLFPS-236/3548	DLF Pickseed USA, Inc	*88	Ivy (PST-2GTD)	The Scotts Company
11	LPB-SD-102	Ledeboer Seed LLC	50	PR-6-15	Columbia Seeds	89	PST-2BDT	Grassland Oregon
12	LPB-SD-103	Ledeboer Seed LLC	51	DLFPS-236/3550	DLF Pickseed USA, Inc	90	PST-2MAY	Pure-Seed Testing, Inc.
13	DLFPS-236/3540	DLF Pickseed USA, Inc	52	DLFPS-236/3552	DLF Pickseed USA, Inc	*91	Gray Wolf (PST-2GAL)	Rose Agri-Seed, Inc.
*14	Mightier (DLFPS-236/3542)	DLF Pickseed USA, Inc	53	023	Brett Young Seeds	92	PST-2PDA	Pure-Seed Testing, Inc.
*15	Gator Fore (DLFPS-236/3544)	DLF Pickseed USA, Inc	*54	Paragon 2 GLR (FP2)	Turf Merchants, Inc.	93	PST-2A2	Pure-Seed Testing, Inc.
*16	Intense	Landmark Turf & NS	55	02BS2	Brett Young Seeds	94	DLFPS-236/3553	DLF Pickseed USA, Inc.
*17	Xcclerator	Landmark Turf & NS	*56	Alloy (RRT)	Scotts Miracle-Gro Co.	*95	Fiesta Cinco (DLFPS-236/3554)	DLF Pickseed USA, Inc.
*18	Spike GLS (UF3)	Landmark Turf & NS	*57	Slider LS (PPG-PR 241)	Mountain View Seeds	96	PR-5-16	Columbia Seeds
19	JR-123	Jacklin Seed by Simplot	*58	Fastball 3GL (PPG-PR 329)	Mountain View Seeds	97	BAR LP 6158	Barenbrug USA
20	JR-747	Jacklin Seed by Simplot	*59	Paradox GLR (PPG-PR 331)	Turf Merchants, Inc	98	BAR LP 6162	Barenbrug USA
21	JR-888	Jacklin Seed by Simplot	*60	Derby Xtreme	Standard	99	BAR LP 6164	Barenbrug USA
*22	AllStar Fore (DLFPS-236/3541)	DLF Pickseed USA, Inc	*61	Apple 3GL (PPG-PR 339)	Mountain View Seeds	100	BAR LP 6165	Barenbrug USA
*23	SR 4700 (DLFPS-236/3543)	DLF Pickseed USA, Inc	*62	Slugger 3GL (PPG-PR 343)	Mountain View Seeds	*101	Overdrive 5G	Burlingham Seeds, LLC.
*24	Zoom 2 (DLFPS-236/3545)	DLF Pickseed USA, Inc	63	PPG-PR 360	Integra Turf	102	02BS1	ProSeeds Marketing
*25	Evolve	SiteOne Landscape Supply	64	PPG-PR 367	Mountain View Seeds	103	CPN	Columbia Seeds
26	MRS�-PR16	SiteOne Landscape Supply	65	PPG-PR 370	Lewis Seed Company	104	JR-197	Jacklin Simplot by Simplot
27	PL2	SiteOne Landscape Supply	66	PPG-PR 371	Turf Merchants, Inc.	105	DLFPS-238/3014	DLF Pickseed USA, Inc.
28	MRS�-PR15	SiteOne Landscape Supply	67	PPG-PR 372	Columbia Seeds	*106	Pepper II (RAD-PR 103)	Lewis Seed Company
*29	Nexus GT (SNX)	Smith Seed Services	68	PPG-PR 385	Mountain View Seeds	107	RAD-PR 112	Bailey Seed
*30	Signet	Smith Seed Services	*69	Homerun LS (PPG-PR 419)	Mountain View Seeds	*108	UMPQUA	Vista Seed Partners LLC
*31	Shield (02BS4)	Smith Seed Services	*70	Superstar GL (PPG-PR 420)	Mountain View Seeds	*109	Seabiscuit	Lebanon Seaboard Corp.
32	CS-6	Columbia Seeds	71	PPG-PR 421	Proseeds Marketing	*110	Man O'War	Lebanon Seaboard Corp.
33	DLFPS-236/3556	DLF Pickseed USA, Inc	72	PPG-PR 422	Columbia Seeds	*111	Pharaoh	Lebanon Seaboard Corp.
*34	ASP0116EXT	Allied Seed LLC	73	PPG-PR 423	Columbia Seeds & Barenbrug USA	*112	Allstar III	Standard
*35	ASP0117 (A-PR15)	Allied Seed LLC	*74	Stellar 4GL (PPG-PR 424)	Mountain View Seeds	*113	Brightstar SLT	Standard
*36	ASP0118GL (A-4G)	Allied Seed LLC	*75	Karma	Standard	*114	Linn	Standard
*37	ASP0218 (A-6D)	Allied Seed LLC	*76	SR 4650	Standard			
38	NP-3	Pennington Seed	*77	Helios (DLFPS-236/3538)	DLF Pickseed USA, Inc.			
39	NP-2	Pennington Seed	*78	Grand Slam GLD	Standard			

*COMMERCIALY AVAILABLE IN 2021 IN THE US OR ANY OTHER COUNTRY

TABLE A.

2020 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2016 NATIONAL PERENNIAL RYEGRASS 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 STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
KS1	SILTY CLAY LOAM	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
KY1	SILT LOAM AND SILT	5.6-6.0	451+	241-375	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
KY2	SILT LOAM AND SILT	5.6-6.0	451+	241-375	2.1-3.0	FULL SUN	0.6-1.0	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	TO PREVENT DORMANCY
MN1	SILTY CLAY LOAM	6.6-7.0	0-60	151-240	2.1-3.0	FULL SUN	2.1-2.5	NO IRRIGATION
MO1	-	-	-	-	-	-	-	-
NE1	SILTY CLAY AND CLAY	7.1-7.5	0-60	376-500	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OR1	SILTY CLAY LOAM	5.6-6.0	61-150	241-375	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
OR2	SILTY CLAY LOAM	5.6-6.0	61-150	241-375	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
UT1	SILT LOAM AND SILT	7.1-7.5	-	-	-	FULL SUN	2.6-3.0	TO PREVENT STRESS
UT2	SILT LOAM AND SILT	7.1-7.5	-	-	-	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
VA1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
WI1	SILT LOAM AND SILT	7.1-7.5	-	-	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2020

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
CT1					X	X	X	X	X	X		
IA1				X	X	X	X	X	X	X		
KS1				X	X	X	X	X	X	X		
KY1			X	X	X	X	X	X	X	X		
KY2												
MA1					X	X	X	X	X	X	X	X
MD1					X	X	X	X	X		X	
MN1					X	X	X	X	X			
MO1				X	X	X	X	X	X	X		
NE1						X	X	X	X	X		
NJ2				X	X	X	X	X	X	X	X	
OR1	X	X	X	X	X	X	X	X	X	X	X	X
OR2	X	X	X	X	X	X	X	X	X	X	X	X
UT1					X	X	X	X	X	X		
UT2					X	X	X	X	X	X		
VA1					X	X	X	X	X	X		
WI1				X	X	X	X	X	X	X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2020

LOCATION	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	PERCENT COVER SPRING	STEM RUST	BROWN PATCH WARM TEMP	PINK SNOW MOLD	WEAR MAY	TOLERANCE JULY	RATINGS OCTOBER	MORE DIVOT RECOVERY RATINGS
CT1	X	X									
IA1	X	X									
KS1											
KY1											
* KY2								X	X	X	X
MA1											
MD1											
MN1						X	X				
MO1	X			X	X						
NE1	X										
NJ2	X										
OR1	X										
OR2	X										
UT1	X	X									
UT2		X									
VA1				X							
WI1											

* MORE DIVOT RECOVERY DATA FOR KY2 IN TABLE 15.

TABLE 1.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2020 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	NJ2	MD1	VA1	KY1	IA1	MO1	KS1	NE1	OR1	MEAN
PPG-PR 421	71	6.8	6.2	7.4	6.7	6.8	5.8	7.1	6.4	6.9	6.7
* FURLONG (LTP-FCB)	79	6.7	6.1	7.3	6.6	6.6	5.7	7.0	6.3	6.8	6.6
* MYSTIQUE (DLFPS-236/3547)	48	6.7	6.0	7.2	6.6	6.6	5.6	7.0	6.2	6.8	6.5
* SLUGGER 3GL (PPG-PR 343)	62	6.5	6.0	7.3	6.5	6.6	5.7	7.0	6.2	6.8	6.5
PPG-PR 371	66	6.2	6.0	7.4	6.5	6.7	5.7	7.0	6.3	6.8	6.5
* ALLOY (RRT)	56	6.7	6.0	7.2	6.5	6.6	5.6	6.9	6.2	6.7	6.5
DLFPS-236/3552	52	6.3	5.9	7.3	6.5	6.6	5.6	7.0	6.2	6.8	6.5
DLFPS-236/3546	47	6.8	5.9	7.1	6.5	6.6	5.5	7.0	6.3	6.8	6.5
PL2	27	6.4	5.9	7.2	6.5	6.5	5.6	6.9	6.1	6.7	6.4
* ZOOM 2 (DLFPS-236/3545)	24	6.3	5.8	7.2	6.5	6.6	5.6	7.0	6.3	6.8	6.4
PPG-PR 372	67	6.4	5.7	7.2	6.5	6.6	5.5	7.0	6.3	6.8	6.4
* SR 4700 (DLFPS-236/3543)	23	6.8	5.9	7.1	6.4	6.4	5.5	6.8	6.0	6.6	6.4
NP-3	38	6.8	5.7	6.9	6.5	6.5	5.4	6.9	6.3	6.8	6.4
DLFPS-236/3556	33	6.3	5.9	7.2	6.4	6.5	5.5	6.8	6.0	6.6	6.4
* SUPERSTAR GL (PPG-PR 420)	70	6.1	5.7	7.2	6.4	6.6	5.5	7.0	6.3	6.8	6.4
* SHIELD (02BS4)	31	6.2	5.7	7.2	6.4	6.5	5.5	6.9	6.2	6.7	6.4
02BS2	55	6.4	5.9	7.1	6.4	6.4	5.5	6.7	6.0	6.5	6.3
* ALLSTAR FORE (DLFPS-236/3541)	22	6.6	5.8	7.0	6.4	6.4	5.4	6.7	6.0	6.6	6.3
NP-2	39	6.6	5.7	7.0	6.4	6.4	5.4	6.8	6.1	6.7	6.3
* GATOR FORE (DLFPS-236/3544)	15	6.1	5.6	7.1	6.4	6.5	5.4	7.0	6.3	6.8	6.3
PPG-PR 370	65	6.3	5.6	7.0	6.4	6.5	5.4	6.9	6.2	6.8	6.3
* XCELERATOR	17	6.4	5.8	7.0	6.3	6.4	5.4	6.7	6.0	6.5	6.3
021	1	5.9	5.7	7.2	6.3	6.4	5.5	6.8	6.1	6.6	6.3
* HOMERUN LS (PPG-PR 419)	69	6.1	5.4	7.0	6.3	6.5	5.3	7.0	6.3	6.8	6.2
DLFPS-236/3548	49	6.5	5.6	6.9	6.3	6.3	5.3	6.8	6.1	6.6	6.2
* APPLE 3GL (PPG-PR 339)	61	5.9	5.4	7.0	6.3	6.5	5.3	7.0	6.4	6.9	6.2
* STELLAR 4GL (PPG-PR 424)	74	6.6	5.3	6.7	6.4	6.4	5.1	7.0	6.4	6.9	6.2
* FASTBALL 3GL (PPG-PR 329)	58	6.0	5.6	7.0	6.3	6.4	5.4	6.8	6.1	6.6	6.2
* HELIOS (DLFPS-236/3538)	77	5.8	5.5	7.1	6.3	6.4	5.4	6.9	6.1	6.6	6.2
* PARAGON 2 GLR (FP2)	54	6.1	5.6	7.0	6.2	6.3	5.4	6.7	6.0	6.5	6.2
* SPIKE GLS (UF3)	18	6.1	5.5	7.0	6.3	6.4	5.3	6.8	6.1	6.6	6.2
PPG-PR 422	72	6.0	5.4	7.0	6.3	6.4	5.3	6.9	6.2	6.7	6.2
APR2616	40	6.0	5.7	7.0	6.2	6.3	5.4	6.7	5.9	6.5	6.2
PPG-PR 423	73	6.5	5.4	6.7	6.3	6.3	5.2	6.8	6.1	6.7	6.2
PPG-PR 360	63	6.3	5.5	6.8	6.2	6.3	5.2	6.7	6.0	6.6	6.2
PR-6-15	50	5.8	5.3	7.0	6.3	6.5	5.3	7.0	6.3	6.8	6.1
* GRAND SLAM GLD	78	5.9	5.5	7.0	6.2	6.3	5.3	6.7	5.9	6.4	6.1
023	53	6.3	5.4	6.7	6.2	6.2	5.1	6.7	6.0	6.5	6.1
* FIESTA CINCO (DLFPS-236/3554)	95	6.4	5.8	7.0	6.3	6.4	5.4	6.8	6.0	6.6	6.1
PPG-PR 385	68	5.9	5.5	6.9	6.1	6.2	5.2	6.6	5.9	6.4	6.1
APR3060	45	5.1	5.4	7.2	6.1	6.4	5.4	6.8	6.0	6.5	6.1
PPG-PR 367	64	5.7	5.2	6.8	6.2	6.3	5.2	6.9	6.2	6.7	6.0
* SLIDER LS (PPG-PR 241)	57	5.9	5.2	6.8	6.1	6.3	5.1	6.8	6.1	6.6	6.0
* ASP0117 (A-PR15)	35	5.3	5.1	7.0	6.1	6.4	5.2	6.9	6.2	6.6	6.0
* MIGHTIER (DLFPS-236/3542)	14	5.8	5.2	6.8	6.1	6.2	5.1	6.7	6.0	6.5	6.0
* ASP0118GL (A-4G)	36	5.2	5.2	7.0	6.1	6.3	5.2	6.8	6.0	6.5	6.0
* UMPQUA	108	6.4	5.6	6.9	6.3	6.4	5.3	6.8	6.1	6.7	6.0
DLFPS-236/3550	51	5.4	5.0	6.8	6.0	6.3	5.1	6.8	6.1	6.6	5.9
* SIGNET	30	5.6	5.0	6.7	6.0	6.2	5.0	6.8	6.1	6.6	5.9
* PARADOX GLR (PPG-PR 331)	59	5.8	4.9	6.6	6.0	6.2	5.0	6.8	6.2	6.7	5.9
DLFPS-236/3540	13	5.7	4.9	6.6	6.0	6.2	5.0	6.8	6.2	6.6	5.9
* ASP0218 (A-6D)	37	4.4	5.0	7.2	6.0	6.4	5.3	6.9	6.2	6.6	5.9
JR-123	19	5.3	5.0	6.8	6.0	6.2	5.0	6.8	6.1	6.6	5.9
* HATRICK (BSP-17)	2	4.5	5.0	7.1	5.9	6.3	5.2	6.8	6.0	6.4	5.8
JR-197	104	6.2	5.4	7.0	6.4	6.5	5.3	7.0	6.4	6.9	5.8
* SILVER SPORT (PST-2CRP)	85	5.7	5.9	7.5	6.4	6.6	5.7	7.0	6.2	6.7	5.8
DLFPS-236/3553	94	6.3	5.3	6.7	6.2	6.2	5.1	6.7	6.0	6.6	5.8
* INTENSE	16	5.7	5.0	6.5	5.8	6.0	4.8	6.4	5.8	6.3	5.7
BAR LP 6117	80	4.8	4.9	6.8	5.8	6.1	5.0	6.6	5.9	6.4	5.7
MRS-L-PR15	28	4.9	5.1	6.9	5.8	6.1	5.0	6.5	5.7	6.2	5.7
BAR LP 6131	81	4.4	4.9	7.0	5.8	6.2	5.1	6.7	6.0	6.4	5.7
* EVOLVE	25	4.6	5.0	6.9	5.8	6.1	5.1	6.6	5.8	6.2	5.7
BAR LP 6159	82	4.7	4.8	6.8	5.8	6.2	5.0	6.7	6.0	6.4	5.7
APR2612	44	4.7	4.9	6.8	5.8	6.1	5.0	6.6	5.8	6.3	5.7

TABLE 1.
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2020 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	NJ2	MD1	VA1	KY1	IA1	MO1	KS1	NE1	OR1	MEAN
MRS1-PR16	26	4.7	4.9	6.9	5.8	6.1	5.0	6.6	5.8	6.3	5.7
* GREEN SUPREME+ (AMP-R1)	46	4.5	4.9	6.9	5.7	6.1	5.0	6.6	5.8	6.2	5.7
* NEXUS GT (SNX)	29	4.1	5.0	7.1	5.7	6.1	5.1	6.6	5.8	6.2	5.7
* TEE-ME-UP (BSP-25)	4	4.7	5.1	6.9	5.7	6.0	5.0	6.4	5.6	6.0	5.7
CS-6	32	4.6	4.7	6.7	5.7	6.1	4.9	6.6	5.9	6.4	5.6
PR-5-16	96	5.8	5.4	7.1	6.3	6.5	5.4	7.0	6.3	6.8	5.6
* SR 4650	76	5.4	4.5	6.3	5.8	6.0	4.6	6.6	6.0	6.5	5.6
* KARMA	75	5.5	4.5	6.2	5.8	5.9	4.6	6.5	5.9	6.4	5.6
* CAYMAN (GO-143)	43	3.7	4.6	7.0	5.6	6.2	5.1	6.7	6.0	6.3	5.6
PST-2FOXY	84	5.5	5.6	7.3	6.3	6.5	5.5	6.9	6.2	6.7	5.5
* ASP0116EXT	34	4.3	4.5	6.7	5.7	6.1	4.8	6.6	5.9	6.4	5.5
* IVY (PST-2GTD)	88	5.6	5.4	7.1	6.2	6.4	5.3	6.8	6.1	6.5	5.5
* GRAY WOLF (PST-2GAL)	91	5.5	5.3	7.0	6.1	6.3	5.3	6.7	6.0	6.5	5.4
BAR LP 6233	83	5.3	5.5	7.3	6.2	6.5	5.5	6.9	6.1	6.6	5.4
CFN	103	5.8	4.9	6.6	6.1	6.3	5.0	6.8	6.2	6.7	5.4
02BS1	102	5.6	5.2	6.8	6.1	6.3	5.1	6.7	6.0	6.5	5.4
* PHARAOH	111	5.6	5.1	6.7	6.0	6.1	5.0	6.6	5.9	6.4	5.3
* OVERDRIVE 5G	101	5.8	4.8	6.3	5.9	6.0	4.7	6.6	6.0	6.5	5.3
* SEABISCUIT	109	5.4	5.2	6.9	6.0	6.2	5.1	6.6	5.9	6.4	5.3
* BELIZE 2 (GO-142)	42	4.2	4.2	6.4	5.4	5.8	4.5	6.4	5.8	6.2	5.3
PST-2A2	93	5.9	4.6	6.1	5.7	5.8	4.5	6.3	5.8	6.3	5.3
* MAN O WAR	110	5.9	4.6	6.1	5.7	5.8	4.5	6.3	5.7	6.3	5.3
* DERBY XTREME	60	5.1	4.2	6.0	5.4	5.6	4.3	6.3	5.7	6.2	5.3
* FIREBALL (BWH)	3	3.3	4.1	6.6	5.3	5.9	4.6	6.5	5.8	6.2	5.2
GO-141	41	4.1	3.9	6.2	5.4	5.8	4.4	6.5	5.9	6.3	5.2
PST-2MAY	90	5.1	5.2	7.1	6.1	6.4	5.3	6.9	6.2	6.7	5.1
JR-888	21	4.3	3.5	5.9	5.4	5.8	4.2	6.6	6.1	6.5	5.1
PST-2EGAD	86	5.0	5.1	6.9	5.9	6.2	5.1	6.7	6.0	6.4	5.0
BAR LP 6164	99	4.9	5.1	7.1	6.1	6.5	5.3	7.0	6.3	6.7	5.0
LPB-SD-102	11	4.8	3.4	5.6	5.3	5.6	3.9	6.4	6.0	6.4	5.0
* SAGUARO	7	4.8	3.6	5.6	5.3	5.5	3.9	6.3	5.8	6.3	5.0
* GRAY HAWK (PST-2FIND)	87	5.1	4.7	6.5	5.7	6.0	4.8	6.5	5.8	6.3	4.9
PST-2BDT	89	5.0	4.7	6.6	5.8	6.1	4.9	6.7	6.0	6.5	4.9
PST-2PDA	92	5.0	4.6	6.5	5.7	5.9	4.7	6.5	5.8	6.3	4.8
* MENSA	9	4.6	3.2	5.4	5.1	5.4	3.7	6.2	5.8	6.3	4.8
JR-747	20	3.6	3.1	5.7	5.1	5.6	3.9	6.4	5.9	6.3	4.8
RAD-PR 112	107	4.7	4.8	6.6	5.6	5.8	4.8	6.3	5.5	6.0	4.7
LPB-SD-101	10	3.9	2.9	5.5	5.1	5.6	3.7	6.5	6.1	6.5	4.7
* SAVANT	5	4.5	3.0	5.2	5.1	5.3	3.6	6.2	5.8	6.2	4.7
LPB-SD-105	6	4.0	2.9	5.4	5.0	5.4	3.7	6.3	5.9	6.3	4.7
LPB-SD-103	12	4.2	2.9	5.3	5.0	5.4	3.6	6.3	5.9	6.3	4.7
BAR LP 6165	100	4.3	5.0	7.2	5.9	6.4	5.3	6.9	6.1	6.5	4.6
LPB-SD-104	8	4.4	3.1	5.1	4.9	5.2	3.5	5.9	5.5	6.0	4.6
BAR LP 6158	97	4.4	4.8	6.9	5.7	6.1	5.0	6.6	5.8	6.3	4.6
* PEPPER II (RAD-PR 103)	106	4.0	4.8	7.1	5.7	6.2	5.1	6.7	5.9	6.3	4.4
DLFPS-238/3014	105	3.6	4.6	7.0	5.5	6.0	5.0	6.5	5.7	6.1	4.1
* ALLSTAR III	112	4.6	3.6	5.6	5.1	5.4	3.9	6.1	5.6	6.0	4.1
BAR LP 6162	98	3.2	4.7	7.1	5.4	6.0	5.0	6.4	5.6	5.9	4.0
* BRIGHTSTAR SLT	113	3.2	3.1	5.9	5.1	5.6	4.0	6.5	6.0	6.3	3.2
* LINN	114	0.5	1.6	4.7	3.2	4.0	2.6	4.7	4.1	4.3	1.0
LSD VALUE		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)		10.8	11.6	8.6	9.7	9.3	11.5	8.6	9.6	8.9	10.2

* COMMERCIALY AVAILABLE IN THE USA IN 2021

** 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 PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2020 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	CT1	MN1	UT1	MEAN
STELLAR 4GL (PPG-PR 424)	74	6.7	5.7	6.8	6.4
NP-3	38	6.5	5.6	6.6	6.2
DLFPS-236/3546	47	6.4	5.4	6.5	6.1
PPG-PR 421	71	6.4	5.4	6.4	6.1
PPG-PR 423	73	6.4	5.4	6.4	6.1
HOMERUN LS (PPG-PR 419)	69	6.3	5.2	6.4	6.0
MYSTIQUE (DLFPS-236/3547)	48	6.3	5.3	6.3	6.0
PPG-PR 372	67	6.2	5.2	6.4	5.9
FURLONG (LTP-FCB)	79	6.2	5.2	6.3	5.9
ALLOY (RRT)	56	6.2	5.2	6.3	5.9
PPG-PR 370	65	6.2	5.2	6.3	5.9
APPLE 3GL (PPG-PR 339)	61	6.2	5.1	6.4	5.9
NP-2	39	6.2	5.2	6.2	5.9
DLFPS-236/3548	49	6.2	5.2	6.2	5.9
SR 4700 (DLFPS-236/3543)	23	6.2	5.2	6.2	5.9
PR-6-15	50	6.1	5.1	6.4	5.9
SUPERSTAR GL (PPG-PR 420)	70	6.1	5.1	6.3	5.8
SLUGGER 3GL (PPG-PR 343)	62	6.1	5.1	6.2	5.8
PARADOX GLR (PPG-PR 331)	59	6.1	5.1	6.3	5.8
JR-197	104	6.3	5.3	6.5	5.8
LPB-SD-102	11	6.1	5.0	6.4	5.8
GATOR FORE (DLFPS-236/3544)	15	6.1	5.1	6.3	5.8
ZOOM 2 (DLFPS-236/3545)	24	6.1	5.1	6.2	5.8
PPG-PR 422	72	6.1	5.0	6.3	5.8
023	53	6.1	5.1	6.2	5.8
DLFPS-236/3540	13	6.1	5.0	6.3	5.8
ALLSTAR FORE (DLFPS-236/3541)	22	6.1	5.1	6.1	5.8
SLIDER LS (PPG-PR 241)	57	6.1	5.0	6.2	5.8
PPG-PR 360	63	6.1	5.1	6.2	5.8
DLFPS-236/3552	52	6.1	5.0	6.2	5.8
SHIELD (02BS4)	31	6.1	5.0	6.2	5.8
PPG-PR 367	64	6.0	5.0	6.2	5.8
PL2	27	6.0	5.0	6.1	5.7
PPG-PR 371	66	6.0	5.0	6.2	5.7
CPN	103	6.2	5.2	6.4	5.7
UMPQUA	108	6.2	5.2	6.3	5.7
DLFPS-236/3553	94	6.2	5.2	6.3	5.7
SPIKE GLS (UF3)	18	6.0	4.9	6.1	5.7
SAVANT	5	5.9	4.8	6.2	5.7
LPB-SD-101	10	5.9	4.7	6.4	5.7
KARMA	75	6.0	4.9	6.1	5.7
MENSA	9	5.9	4.8	6.2	5.7
XCELERATOR	17	6.0	5.0	6.0	5.6
FASTBALL 3GL (PPG-PR 329)	58	5.9	4.9	6.1	5.6
SIGNET	30	5.9	4.9	6.1	5.6
SR 4650	76	5.9	4.8	6.1	5.6
DLFPS-236/3556	33	5.9	4.9	6.0	5.6
02BS2	55	5.9	4.9	6.0	5.6
LPB-SD-103	12	5.9	4.7	6.2	5.6
OVERDRIVE 5G	101	6.1	5.1	6.2	5.6
MIGHTIER (DLFPS-236/3542)	14	5.9	4.8	6.1	5.6
JR-888	21	5.8	4.7	6.2	5.6
SAGUARO	7	5.9	4.8	6.1	5.6
HELIOS (DLFPS-236/3538)	77	5.9	4.8	6.0	5.6
LPB-SD-105	6	5.8	4.6	6.2	5.5
FIESTA CINCO (DLFPS-236/3554)	95	6.0	5.0	6.1	5.5
PST-2A2	93	6.0	5.0	6.1	5.5
PARAGON 2 GLR (FP2)	54	5.8	4.8	6.0	5.5
DLFPS-236/3550	51	5.8	4.7	6.0	5.5
021	1	5.8	4.7	6.0	5.5
PR-5-16	96	6.0	4.9	6.2	5.5
MAN O WAR	110	6.0	5.0	6.1	5.5
JR-123	19	5.7	4.6	6.0	5.4
PPG-PR 385	68	5.7	4.7	5.9	5.4

TABLE 2.
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2020 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ENTRY #	CT1	MN1	UT1	MEAN
ASP0117 (A-PR15)	35	5.7	4.6	6.0	5.4
INTENSE	16	5.7	4.7	5.9	5.4
APR2616	40	5.7	4.7	5.8	5.4
GRAND SLAM GLD	78	5.7	4.7	5.8	5.4
DERBY XTREME	60	5.7	4.6	5.9	5.4
LPB-SD-104	8	5.6	4.6	5.9	5.4
O2BS1	102	5.8	4.7	6.0	5.2
ASP0118GL (A-4G)	36	5.5	4.4	5.8	5.2
JR-747	20	5.4	4.2	5.9	5.2
PHARAOH	111	5.7	4.7	5.9	5.2
IVY (PST-2GTD)	88	5.7	4.6	5.9	5.1
SILVER SPORT (PST-2CRP)	85	5.7	4.6	5.9	5.1
PST-2FOXY	84	5.7	4.5	5.9	5.1
BAR LP 6159	82	5.4	4.2	5.7	5.1
PST-2MAY	90	5.6	4.5	6.0	5.1
PST-2BDT	89	5.6	4.5	5.9	5.1
CS-6	32	5.3	4.2	5.7	5.1
GRAY WOLF (PST-2GAL)	91	5.6	4.5	5.8	5.1
APR3060	45	5.3	4.2	5.6	5.0
GO-141	41	5.3	4.1	5.7	5.0
BAR LP 6117	80	5.3	4.1	5.6	5.0
BAR LP 6164	99	5.6	4.4	5.9	5.0
ASP0218 (A-6D)	37	5.2	4.0	5.7	5.0
GRAY HAWK (PST-2FIND)	87	5.5	4.4	5.8	5.0
ALLSTAR III	112	5.5	4.4	5.8	5.0
ASP0116EXT	34	5.2	4.0	5.6	5.0
SEABISCUIT	109	5.5	4.4	5.7	4.9
BAR LP 6233	83	5.5	4.4	5.8	4.9
APR2612	44	5.2	4.0	5.5	4.9
PST-2PDA	92	5.5	4.4	5.7	4.9
MRS�-PR16	26	5.1	4.0	5.5	4.9
BELIZE 2 (GO-142)	42	5.1	3.9	5.5	4.9
HATRICK (BSP-17)	2	5.1	3.9	5.5	4.9
MRS�-PR15	28	5.1	4.0	5.4	4.8
PST-2EGAD	86	5.4	4.2	5.7	4.8
BAR LP 6131	81	5.1	3.9	5.5	4.8
EVOLVE	25	5.0	3.8	5.4	4.7
GREEN SUPREME+ (AMP-R1)	46	5.0	3.8	5.4	4.7
BRIGHTSTAR SLT	113	5.2	4.0	5.8	4.6
TEE-ME-UP (BSP-25)	4	4.8	3.7	5.1	4.6
CAYMAN (GO-143)	43	4.7	3.5	5.3	4.5
NEXUS GT (SNX)	29	4.7	3.5	5.1	4.4
FIREBALL (BWH)	3	4.7	3.4	5.2	4.4
BAR LP 6165	100	5.0	3.8	5.5	4.4
BAR LP 6158	97	5.0	3.8	5.4	4.4
RAD-PR 112	107	4.9	3.8	5.2	4.4
PEPPER II (RAD-PR 103)	106	4.8	3.6	5.3	4.2
DLFPS-238/3014	105	4.4	3.2	5.0	3.8
BAR LP 6162	98	4.1	2.8	4.7	3.4
LINN	114	2.6	1.2	3.3	1.9
LSD VALUE		0.9	0.9	0.9	0.9
C.V. (%)		10.1	12.5	9.7	10.8

* 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 3.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT FOUR LOCATIONS IN THE U.S. 1/
 MAINTAINED USING "SCHEDULE A" *
 2020 DATA

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

NAME	KS1	KY1	NE1	NJ2	MEAN
PPG-PR 421	7.1	6.6	6.7	7.0	6.8
FURLONG (LTP-FCB)	6.9	6.0	6.5	7.2	6.6
JR-197	6.9	6.7	6.7	6.3	6.6
ZOOM 2 (DLFPS-236/3545)	7.0	6.7	6.4	6.5	6.6
STELLAR 4GL (PPG-PR 424)	6.9	6.3	6.3	7.0	6.6
DLFPS-236/3552	6.7	6.9	6.7	6.1	6.6
ALLSTAR FORE (DLFPS-236/3541)	6.9	6.6	6.3	6.6	6.6
SR 4700 (DLFPS-236/3543)	6.8	6.6	6.0	6.9	6.6
SLUGGER 3GL (PPG-PR 343)	7.0	6.7	6.3	6.5	6.6
MYSTIQUE (DLFPS-236/3547)	7.0	6.4	6.0	7.0	6.6
PPG-PR 423	6.7	6.4	6.5	6.5	6.6
DLFPS-236/3546	7.0	6.5	5.9	6.5	6.5
NP-2	7.0	6.0	6.1	6.8	6.5
021	6.7	6.4	6.6	6.3	6.5
PPG-PR 372	6.6	6.4	6.4	6.4	6.5
ALLOY (RRT)	6.9	6.2	5.9	6.8	6.5
SHIELD (02BS4)	6.9	6.2	6.7	6.1	6.5
MIGHTIER (DLFPS-236/3542)	7.0	6.2	6.5	6.2	6.4
SUPERSTAR GL (PPG-PR 420)	7.0	6.7	6.1	6.0	6.4
NP-3	6.8	6.3	5.8	6.8	6.4
SILVER SPORT (PST-2CRP)	6.9	6.3	6.5	6.0	6.4
023	6.5	6.4	6.2	6.4	6.4
APR2616	6.5	6.4	6.4	6.3	6.4
PPG-PR 371	6.9	6.1	6.3	6.3	6.4
HOMERUN LS (PPG-PR 419)	6.8	6.0	6.5	6.1	6.4
UMPQUA	6.7	6.4	5.9	6.3	6.3
APPLE 3GL (PPG-PR 339)	6.9	6.4	6.5	5.6	6.3
DLFPS-236/3556	6.6	6.5	5.9	6.3	6.3
IVY (PST-2GTD)	6.9	6.6	6.2	5.6	6.3
FASTBALL 3GL (PPG-PR 329)	7.0	6.1	5.9	6.2	6.3
02BS2	6.8	6.5	5.7	6.4	6.3
FIESTA CINCO (DLFPS-236/3554)	6.8	6.3	5.7	6.5	6.3
GATOR FORE (DLFPS-236/3544)	6.9	6.2	6.3	5.8	6.3
XCELERATOR	6.6	6.0	6.1	6.5	6.3
SPIKE GLS (UF3)	6.7	6.2	6.3	6.0	6.3
PR-6-15	6.9	6.0	6.5	5.8	6.3
PPG-PR 422	6.9	6.2	6.0	5.9	6.2
PR-5-16	6.6	6.6	6.1	5.7	6.2
CPN	6.6	6.2	6.2	5.9	6.2
DLFPS-236/3553	6.8	5.7	6.1	6.3	6.2
DLFPS-236/3540	6.9	6.1	6.4	5.5	6.2
PPG-PR 370	6.7	6.1	6.2	5.9	6.2
DLFPS-236/3548	6.8	6.4	5.6	6.1	6.2
PPG-PR 360	6.7	6.0	6.1	6.1	6.2

TABLE 3.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT FOUR LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" *
2020 DATA

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

NAME	KS1	KY1	NE1	NJ2	MEAN
PL2	6.8	6.0	5.9	6.1	6.2
02BS1	6.8	5.7	6.5	5.8	6.2
BAR LP 6233	6.7	6.4	6.2	5.5	6.2
APR3060	6.9	5.9	6.7	5.3	6.2
PST-2BDT	6.8	6.1	6.5	5.3	6.2
ASP0118GL (A-4G)	6.8	6.5	6.1	5.1	6.2
PPG-PR 385	6.7	6.5	5.7	5.8	6.1
SLIDER LS (PPG-PR 241)	6.7	6.4	6.0	5.5	6.1
OVERDRIVE 5G	6.7	5.8	6.2	6.0	6.1
SIGNET	6.9	6.0	6.1	5.6	6.1
PARAGON 2 GLR (FP2)	6.5	6.1	5.7	6.1	6.1
HELIOS (DLFPS-236/3538)	6.9	6.5	5.5	5.5	6.1
GRAY WOLF (PST-2GAL)	6.8	6.0	5.8	5.8	6.1
SEABISCUIT	7.0	5.8	6.1	5.5	6.1
INTENSE	6.7	5.7	6.1	5.8	6.1
GRAY HAWK (PST-2FIND)	6.8	6.3	5.9	5.4	6.1
PARADOX GLR (PPG-PR 331)	6.7	6.2	5.9	5.5	6.1
PST-2EGAD	6.6	6.3	6.2	5.1	6.1
DLFPS-236/3550	6.8	6.1	6.1	5.2	6.1
GRAND SLAM GLD	6.8	5.8	5.6	6.0	6.0
PST-2FOXY	6.6	6.3	5.9	5.3	6.0
PST-2A2	6.8	6.1	5.3	6.0	6.0
ASP0117 (A-PR15)	6.8	6.0	6.3	5.1	6.0
APR2612	6.8	5.9	6.2	5.1	6.0
BAR LP 6164	6.7	6.0	6.5	4.8	6.0
MAN O WAR	6.7	6.0	5.5	5.8	6.0
PST-2PDA	6.8	6.1	5.7	5.1	5.9
PPG-PR 367	6.8	5.3	6.2	5.4	5.9
PHARAOH	6.7	5.6	5.9	5.5	5.9
JR-123	7.0	5.7	6.0	4.7	5.8
BAR LP 6159	6.6	5.9	6.1	4.8	5.8
SR 4650	6.6	5.9	5.8	5.1	5.8
CS-6	6.9	6.0	5.9	4.5	5.8
KARMA	.	6.0	6.2	5.3	5.8
MRSL-PR15	6.8	5.9	5.9	4.8	5.8
TEE-ME-UP (BSP-25)	6.6	5.8	5.5	5.2	5.8
ASP0218 (A-6D)	6.7	6.2	5.9	4.3	5.7
MRSL-PR16	6.9	6.0	5.5	4.6	5.7
BAR LP 6117	6.7	5.9	5.5	4.8	5.7
EVOLVE	6.6	5.9	6.0	4.3	5.7
PST-2MAY	.	6.3	6.0	4.7	5.7
HATRICK (BSP-17)	6.7	5.5	6.0	4.3	5.6
BELIZE 2 (GO-142)	6.9	5.8	5.9	4.0	5.6
BAR LP 6158	6.6	5.7	5.6	4.6	5.6
DERBY XTREME	6.5	5.6	5.6	4.8	5.6

TABLE 3.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT FOUR LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE A" *
2020 DATA

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

NAME	KS1	KY1	NE1	NJ2	MEAN
ASP0116EXT	6.7	5.5	6.1	4.1	5.6
ALLSTAR III	6.4	5.2	5.9	4.9	5.6
BAR LP 6131	6.6	5.3	6.3	4.2	5.6
BAR LP 6165	5.8	6.1	6.3	4.2	5.6
LPB-SD-102	6.2	5.0	6.3	4.8	5.6
NEXUS GT (SNX)	6.7	6.0	5.5	4.0	5.6
RAD-PR 112	6.7	6.0	4.7	4.8	5.5
SAGUARO	6.5	5.1	5.7	4.8	5.5
PEPPER II (RAD-PR 103)	6.7	5.7	5.5	4.3	5.5
JR-888	6.1	5.5	6.1	4.4	5.5
GREEN SUPREME+ (AMP-R1)	6.8	5.8	5.2	4.1	5.5
CAYMAN (GO-143)	6.9	5.4	6.1	3.5	5.5
LPB-SD-104	6.4	5.2	5.3	5.0	5.4
GO-141	6.4	5.4	5.9	4.0	5.4
MENSA	6.2	4.8	5.8	4.7	5.4
LPB-SD-103	6.5	5.1	5.7	4.3	5.4
FIREBALL (BWH)	6.8	5.6	5.9	3.2	5.4
BAR LP 6162	6.9	5.5	5.5	3.4	5.3
SAVANT	5.8	5.3	5.8	4.3	5.3
LPB-SD-101	6.4	4.9	6.1	3.7	5.3
BRIGHTSTAR SLT	6.7	5.3	6.1	2.9	5.2
JR-747	6.2	4.5	6.1	4.0	5.2
LPB-SD-105	6.1	5.0	5.5	4.0	5.2
DLFPS-238/3014	6.5	5.0	5.0	3.5	5.0
LINN	4.0	2.7	4.4	1.0	3.0
LSD VALUE	0.5	0.6	0.7	0.9	0.3
C.V. (%)	4.5	5.9	6.9	10.0	6.9

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

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

3/ SCHEDULE A
MOWING HEIGHT: 2.5"-0.75"
NITROGEN: 0.5-0.75 lbs/1000sq. ft./GROWING MONTH
IRRIGATION: TO PREVENT VISUAL DROUGHT STRESS OR DORMANCY
FUNGICIDE USE ONLY IF SEVERE STAND LOSS IS POSSIBLE
WEED AND INSECT CONTROL TO PREVENT STAND LOSS

TABLE 4.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT TWO LOCATIONS IN THE U.S. 1/
 MAINTAINED USING "SCHEDULE B" *
 2020 DATA

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

NAME	OR1	VA1	MEAN
ZOOM 2 (DLFPS-236/3545)	7.0	8.0	7.5
DLFPS-236/3556	6.9	7.8	7.3
SILVER SPORT (PST-2CRP)	6.7	7.8	7.2
MYSTIQUE (DLFPS-236/3547)	6.6	7.7	7.2
PR-5-16	6.4	7.9	7.2
ALLOY (RRT)	6.8	7.5	7.2
PPG-PR 372	6.8	7.5	7.1
PPG-PR 421	6.9	7.4	7.1
PST-2FOXY	7.1	7.2	7.1
SLUGGER 3GL (PPG-PR 343)	6.7	7.6	7.1
GRAND SLAM GLD	6.7	7.5	7.1
PPG-PR 367	7.1	7.1	7.1
SPIKE GLS (UF3)	6.9	7.2	7.1
STELLAR 4GL (PPG-PR 424)	7.0	7.1	7.0
GATOR FORE (DLFPS-236/3544)	6.6	7.4	7.0
JR-197	7.1	7.0	7.0
NP-3	6.8	7.3	7.0
PARAGON 2 GLR (FP2)	6.9	7.1	7.0
ASP0218 (A-6D)	6.5	7.5	7.0
FURLONG (LTP-FCE)	6.9	7.2	7.0
HOMERUN LS (PPG-PR 419)	6.8	7.3	7.0
PPG-PR 371	6.7	7.3	7.0
UMPQUA	6.7	7.3	7.0
APR2616	6.5	7.5	7.0
BAR LP 6165	6.3	7.7	7.0
PL2	6.6	7.3	7.0
XCELERATOR	6.6	7.3	7.0
PR-6-15	6.8	7.1	6.9
NP-2	6.8	7.0	6.9
ASP0117 (A-PR15)	6.4	7.4	6.9
GRAY WOLF (PST-2GAL)	6.3	7.4	6.9
PPG-PR 422	7.0	6.7	6.9
APR3060	6.1	7.7	6.9
SR 4700 (DLFPS-236/3543)	6.6	7.1	6.8
02BS2	6.7	6.9	6.8
ALLSTAR FORE (DLFPS-236/3541)	6.8	6.9	6.8
HELIOS (DLFPS-236/3538)	6.2	7.4	6.8
BAR LP 6233	6.1	7.6	6.8
021	6.4	7.2	6.8
CPN	6.8	6.8	6.8
FASTBALL 3GL (PPG-PR 329)	6.6	6.9	6.8
SUPERSTAR GL (PPG-PR 420)	6.6	6.9	6.8
BAR LP 6164	6.3	7.2	6.8
DLFPS-236/3552	6.7	6.8	6.8

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWO LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE B" *
2020 DATA

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

NAME	OR1	VA1	MEAN
EVOLVE	6.1	7.4	6.8
HATRICK (BSP-17)	6.3	7.2	6.8
02BS1	6.9	6.6	6.7
DLFPS-236/3550	6.4	7.1	6.7
INTENSE	6.5	7.0	6.7
IVY (PST-2GTD)	6.4	7.1	6.7
SHIELD (02BS4)	6.4	7.0	6.7
SIGNET	6.3	7.2	6.7
APPLE 3GL (PPG-PR 339)	6.9	6.6	6.7
CS-6	6.3	7.1	6.7
PEPPER II (RAD-PR 103)	6.3	7.1	6.7
BAR LP 6158	6.1	7.2	6.7
DLFPS-236/3548	6.5	6.9	6.7
PPG-PR 360	6.6	6.8	6.7
GREEN SUPREME+ (AMP-R1)	6.3	7.0	6.7
FIESTA CINCO (DLFPS-236/3554)	6.4	6.9	6.7
BAR LP 6117	6.0	7.2	6.6
PHARAOH	7.0	6.3	6.6
PST-2MAY	6.5	6.7	6.6
TEE-ME-UP (BSP-25)	6.3	6.9	6.6
PPG-PR 385	6.3	6.9	6.6
ASP0118GL (A-4G)	6.4	6.7	6.6
BAR LP 6131	5.9	7.2	6.6
023	6.4	6.7	6.6
DLFPS-236/3546	6.8	6.3	6.6
MIGHTIER (DLFPS-236/3542)	6.6	6.4	6.5
ASP0116EXT	6.4	6.7	6.5
DLFPS-238/3014	6.3	6.7	6.5
OVERDRIVE 5G	6.7	6.3	6.5
PPG-PR 370	6.5	6.6	6.5
PST-2EGAD	6.3	6.8	6.5
DLFPS-236/3540	6.5	6.4	6.5
JR-747	6.2	6.8	6.5
BAR LP 6162	6.1	6.9	6.5
NEXUS GT (SNX)	6.2	6.7	6.5
BAR LP 6159	6.0	6.9	6.5
PPG-PR 423	6.7	6.2	6.5
CAYMAN (GO-143)	6.3	6.6	6.4
GO-141	6.3	6.6	6.4
MRSL-PR16	6.2	6.6	6.4
PST-2A2	6.8	6.1	6.4
APR2612	6.4	6.4	6.4
GRAY HAWK (PST-2FIND)	6.5	6.3	6.4
PST-2BDT	6.4	6.4	6.4
DLFPS-236/3553	6.6	6.2	6.4

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWO LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE B" *
2020 DATA

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

NAME	OR1	VA1	MEAN
JR-888	6.3	6.4	6.4
SLIDER LS (PPG-PR 241)	6.4	6.4	6.4
SEABISCUIT	6.4	6.3	6.3
RAD-PR 112	6.4	6.2	6.3
MRSL-PR15	6.2	6.4	6.3
KARMA	6.5	6.1	6.3
JR-123	6.4	6.2	6.3
PARADOX GLR (PPG-PR 331)	6.6	5.9	6.3
SR 4650	6.4	6.1	6.3
PST-2PDA	6.1	6.3	6.2
LPB-SD-102	6.3	6.2	6.2
FIREBALL (BWH)	6.4	5.9	6.2
BELIZE 2 (GO-142)	6.5	5.7	6.1
LPB-SD-101	6.2	5.9	6.1
MAN O WAR	6.8	5.3	6.1
LPB-SD-103	6.4	5.7	6.0
LPB-SD-105	6.0	5.9	5.9
DERBY XTREME	6.8	5.1	5.9
SAGUARO	6.2	5.5	5.9
MENSA	6.3	5.1	5.7
LPB-SD-104	6.1	5.1	5.6
ALLSTAR III	6.4	4.8	5.6
BRIGHTSTAR SLT	6.1	4.9	5.5
SAVANT	6.1	4.9	5.5
LINN	5.5	4.9	5.2
LSD VALUE	0.4	1.5	0.8
C.V. (%)	4.1	13.6	10.2

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ SCHEDULE B
MOWING HEIGHT: 1.0"-2.0"
NITROGEN: 0.5-1.0 lbs/1000sq. ft./GROWING MONTH
IRRIGATION: TO PREVENT DORMANCY, ONLY DURING SEVERE STRESS OR NONE
FUNGICIDE USE ONLY IF SEVERE STAND LOSS IS POSSIBLE
WEED AND INSECT CONTROL TO PREVENT STAND LOSS

TABLE 5.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT SIX LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE C" *
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	CT1	IA1	MD1	MN1	MO1	UT1	MEAN
DLFPS-236/3546	6.8	6.5	5.8	5.5	6.7	6.4	6.3
NP-3	6.9	6.2	5.3	5.4	6.0	6.8	6.1
PPG-PR 370	6.3	6.4	5.9	5.3	6.1	6.8	6.1
PPG-PR 421	6.3	6.6	5.7	5.3	6.4	6.3	6.1
PL2	6.3	6.2	6.2	5.2	6.0	6.3	6.0
FURLONG (LTP-FCB)	5.9	7.0	5.3	5.1	6.6	6.3	6.0
PPG-PR 371	6.2	6.4	5.8	4.9	6.5	6.3	6.0
MYSTIQUE (DLFPS-236/3547)	6.5	7.0	5.4	5.3	5.7	6.1	6.0
SUPERSTAR GL (PPG-PR 420)	6.7	6.4	5.6	4.7	6.1	6.4	6.0
ALLOY (RRT)	7.2	6.6	5.9	4.4	5.5	6.3	6.0
PPG-PR 372	6.0	6.7	5.3	5.7	5.9	6.2	6.0
DLFPS-236/3548	6.4	6.1	5.7	5.4	5.6	6.5	6.0
DLFPS-236/3552	6.6	6.2	6.3	4.7	5.9	6.2	6.0
APPLE 3GL (PPG-PR 339)	5.8	6.2	5.8	5.5	5.7	6.6	5.9
SLUGGER 3GL (PPG-PR 343)	5.8	6.7	6.0	5.5	5.3	6.3	5.9
STELLAR 4GL (PPG-PR 424)	6.8	6.5	4.8	5.3	5.3	6.8	5.9
SHIELD (02BS4)	6.3	6.5	5.9	5.3	5.7	5.8	5.9
FIESTA CINCO (DLFPS-236/3554)	6.3	6.8	5.4	4.7	5.9	6.3	5.9
HOMERUN LS (PPG-PR 419)	6.6	6.3	5.7	5.0	5.1	6.7	5.9
GATOR FORE (DLFPS-236/3544)	5.9	6.4	5.8	5.9	5.3	6.0	5.9
PPG-PR 423	6.0	6.5	5.3	5.7	5.5	6.1	5.9
SR 4700 (DLFPS-236/3543)	6.1	6.5	5.8	5.0	5.3	6.3	5.8
DLFPS-236/3553	6.2	6.0	5.2	5.2	6.1	6.3	5.8
PPG-PR 422	5.8	6.4	5.6	5.3	5.5	6.3	5.8
PR-6-15	6.3	6.6	5.4	5.1	5.1	6.3	5.8
HELIOS (DLFPS-236/3538)	6.7	6.6	5.4	4.7	5.5	6.0	5.8
PPG-PR 360	6.3	6.4	5.8	5.1	5.1	6.2	5.8
NP-2	5.7	6.6	5.7	5.3	5.1	6.4	5.8
02BS2	6.3	6.2	5.8	4.7	5.9	5.9	5.8
PARADOX GLR (PPG-PR 331)	5.9	6.7	4.9	5.4	5.5	6.2	5.8
UMPQUA	6.6	6.8	5.6	5.2	4.6	5.9	5.8
PR-5-16	6.1	6.3	5.1	5.2	5.3	6.6	5.8
JR-197	6.6	6.7	5.2	5.2	5.0	5.8	5.7
FASTBALL 3GL (PPG-PR 329)	5.7	6.3	5.3	4.9	5.8	6.4	5.7
XCELERATOR	5.7	6.2	5.7	5.2	5.5	6.1	5.7
PST-2FOXY	6.0	6.5	5.6	4.5	5.8	5.8	5.7
ALLSTAR FORE (DLFPS-236/3541)	5.7	6.2	6.1	5.3	4.9	6.0	5.7
DLFPS-236/3556	5.9	6.0	5.7	5.3	5.4	5.6	5.7
JR-123	6.2	6.0	5.6	5.0	5.6	5.7	5.7
ZOOM 2 (DLFPS-236/3545)	6.6	6.0	5.7	4.7	5.0	6.1	5.7
PARAGON 2 GLR (FP2)	5.2	6.2	5.3	5.4	5.9	6.0	5.7
PST-2MAY	5.8	6.3	5.4	4.5	5.6	6.2	5.7
023	6.2	6.2	5.2	4.9	5.3	6.2	5.7
SILVER SPORT (PST-2CRP)	4.8	6.6	5.6	5.0	5.7	6.2	5.6

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT SIX LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE C" *
2020 DATA

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

NAME	CT1	IA1	MD1	MN1	MO1	UT1	MEAN
CPN	6.3	6.5	4.6	5.3	5.0	6.1	5.6
SPIKE GLS (UF3)	5.5	5.9	6.0	5.3	4.9	6.3	5.6
DLFPS-236/3540	6.3	6.3	5.4	4.9	4.5	6.2	5.6
PPG-PR 385	5.7	6.1	5.3	5.0	5.4	5.9	5.6
021	5.3	6.8	5.5	4.7	5.1	5.9	5.6
BAR LP 6164	5.4	6.9	5.3	4.8	5.0	6.0	5.6
SLIDER LS (PPG-PR 241)	6.2	6.4	3.6	5.5	5.5	6.1	5.5
BAR LP 6233	5.3	7.1	4.9	4.7	5.6	5.6	5.5
ASP0117 (A-PR15)	5.4	6.0	5.3	5.0	5.0	6.3	5.5
SIGNET	6.0	6.0	5.2	4.5	4.6	6.8	5.5
GRAND SLAM GLD	5.9	6.4	5.7	4.3	4.6	6.0	5.5
DLFPS-236/3550	5.9	6.1	5.4	4.9	4.5	6.1	5.5
IVY (PST-2GTD)	5.8	6.7	5.4	4.5	4.7	5.6	5.5
PHARAOH	6.1	6.3	5.4	4.3	4.9	5.6	5.4
SR 4650	5.7	6.0	4.8	5.0	4.6	6.4	5.4
PPG-PR 367	6.0	5.9	3.8	5.8	5.2	5.9	5.4
02BS1	5.5	6.4	5.5	4.3	4.7	6.1	5.4
GRAY WOLF (PST-2GAL)	5.6	6.5	5.0	4.1	5.1	6.2	5.4
OVERDRIVE 5G	5.8	6.1	4.8	5.2	4.4	6.1	5.4
MIGHTIER (DLFPS-236/3542)	5.8	6.1	5.3	3.9	4.8	6.4	5.4
ASP0118GL (A-4G)	5.5	6.3	5.4	4.3	5.0	5.8	5.4
APR2616	5.8	6.2	5.5	4.4	4.8	5.6	5.4
SEABISCUIT	5.4	6.5	5.1	4.5	5.6	5.2	5.4
ASP0218 (A-6D)	5.5	5.8	4.9	3.9	5.7	6.1	5.3
HATRICK (BSP-17)	5.2	6.2	5.1	4.2	5.6	5.6	5.3
MAN O WAR	6.2	6.2	4.9	4.7	4.2	5.5	5.3
KARMA	5.9	5.3	5.1	4.8	4.3	6.4	5.3
APR3060	4.7	6.2	5.2	4.9	5.2	5.3	5.3
BAR LP 6165	5.4	7.3	4.6	4.1	5.2	5.1	5.3
BAR LP 6159	5.1	6.4	4.7	4.1	4.9	6.2	5.2
BAR LP 6117	5.3	6.2	4.6	4.1	5.2	6.0	5.2
PST-2EGAD	5.2	6.8	4.8	4.5	4.9	5.2	5.2
BAR LP 6131	5.3	6.3	5.0	4.2	5.2	5.2	5.2
PST-2A2	6.1	5.9	5.0	4.5	3.5	6.3	5.2
PST-2BDT	5.5	5.9	4.5	4.3	5.0	5.8	5.2
GREEN SUPREME+ (AMP-R1)	5.1	5.8	5.3	4.0	4.9	5.7	5.1
INTENSE	5.6	6.0	5.4	4.7	3.4	5.7	5.1
MRSL-PR16	4.6	6.5	4.9	4.4	4.8	5.4	5.1
MRSL-PR15	5.2	6.4	5.6	3.7	4.4	5.2	5.1
DERBY XTREME	5.7	5.7	4.9	4.6	4.0	5.6	5.1
ASP0116EXT	4.5	6.1	5.2	4.3	4.0	6.2	5.1
PST-2PDA	5.0	6.4	4.7	4.5	4.1	5.7	5.1
JR-888	5.9	5.3	2.8	5.0	5.0	6.2	5.0
CS-6	4.7	5.7	4.9	4.7	4.2	5.9	5.0
GRAY HAWK (PST-2FIND)	4.9	6.5	4.4	4.5	4.2	5.4	5.0

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT SIX LOCATIONS IN THE U.S. 1/
MAINTAINED USING "SCHEDULE C" *
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	CT1	IA1	MD1	MN1	MO1	UT1	MEAN
LPB-SD-102	6.2	5.5	3.3	5.2	3.7	6.1	5.0
CAYMAN (GO-143)	4.8	5.7	5.0	3.3	5.6	5.6	5.0
BAR LP 6158	4.8	6.3	4.2	3.9	5.3	5.4	5.0
APR2612	5.1	6.3	4.8	3.4	4.9	5.6	5.0
PEPPER II (RAD-PR 103)	4.6	6.4	4.3	3.3	5.6	5.7	5.0
EVOLVE	5.2	5.5	5.1	4.4	4.8	4.9	5.0
SAVANT	6.7	5.6	2.9	4.5	4.1	6.1	5.0
SAGUARO	5.5	5.5	3.4	5.1	4.2	6.2	5.0
MENSA	6.3	5.4	3.3	4.3	4.1	6.4	5.0
NEXUS GT (SNX)	4.9	6.0	5.1	3.2	5.3	5.3	5.0
LPB-SD-101	6.0	5.7	3.0	5.1	3.4	6.3	4.9
DLFPS-238/3014	4.7	6.8	4.5	3.4	5.4	4.6	4.9
RAD-PR 112	4.7	6.3	4.8	3.4	4.5	5.6	4.9
LPB-SD-105	5.7	5.5	2.4	4.9	4.1	6.6	4.9
GO-141	5.2	5.6	4.2	4.1	3.9	6.0	4.8
BELIZE 2 (GO-142)	5.4	5.6	5.0	3.5	3.9	5.4	4.8
BRIGHTSTAR SLT	5.0	5.9	3.3	4.5	4.6	5.4	4.8
TEE-ME-UP (BSP-25)	4.8	5.9	4.9	2.6	4.7	5.7	4.8
LPB-SD-103	5.0	5.5	2.8	5.3	3.0	6.3	4.7
ALLSTAR III	5.4	5.5	3.6	4.0	4.0	5.3	4.6
FIREBALL (BWH)	4.9	5.9	4.3	3.3	4.7	4.7	4.6
JR-747	5.9	4.9	2.6	3.5	4.2	6.4	4.6
LPB-SD-104	5.7	5.3	2.6	3.6	3.3	6.2	4.4
BAR LP 6162	4.5	5.6	4.8	1.9	4.8	4.9	4.4
LINN	2.8	4.0	1.0	1.0	3.0	2.5	2.4
LSD VALUE	0.8	0.8	1.0	1.2	1.5	0.8	0.4
C.V. (%)	8.9	7.7	12.0	16.6	18.7	8.7	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.

3/ SCHEDULE C
MOWING HEIGHT: 1.5"-2.5"
NITROGEN: 0.3-0.5 lbs/1000sq. ft./GROWING MONTH
IRRIGATION: NONE, ONLY DURING SEVERE STRESS OR TO PREVENT DORMANCY
FUNGICIDE OR INSECTICIDE USE OR NONE
WEED CONTROL TO PREVENT SIGNIFICANT STAND LOSS

TABLE 6.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE NORTHEAST REGION
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	CT1	NJ2	MEAN
ALLOY (RRT)	7.2	6.8	7.0
STELLAR 4GL (PPG-PR 424)	6.8	7.0	6.9
NP-3	6.9	6.8	6.9
MYSTIQUE (DLFPS-236/3547)	6.5	7.0	6.7
DLFPS-236/3546	6.8	6.5	6.6
PPG-PR 421	6.3	7.0	6.6
FURLONG (LTP-FCB)	5.9	7.2	6.5
ZOOM 2 (DLFPS-236/3545)	6.6	6.5	6.5
SR 4700 (DLFPS-236/3543)	6.1	6.9	6.5
JR-197	6.6	6.3	6.5
UMPQUA	6.6	6.3	6.5
FIESTA CINCO (DLFPS-236/3554)	6.3	6.5	6.4
SUPERSTAR GL (PPG-PR 420)	6.7	6.0	6.3
02BS2	6.3	6.4	6.3
DLFPS-236/3552	6.6	6.1	6.3
HOMERUN LS (PPG-PR 419)	6.6	6.1	6.3
023	6.2	6.4	6.3
PPG-PR 423	6.0	6.5	6.3
DLFPS-236/3548	6.4	6.1	6.2
DLFPS-236/3553	6.2	6.3	6.2
NP-2	5.7	6.8	6.2
PPG-PR 371	6.2	6.3	6.2
PPG-PR 372	6.0	6.4	6.2
PL2	6.3	6.1	6.2
SHIELD (02BS4)	6.3	6.1	6.2
PPG-PR 360	6.3	6.1	6.2
ALLSTAR FORE (DLFPS-236/3541)	5.7	6.6	6.1
DLFPS-236/3556	5.9	6.3	6.1
SLUGGER 3GL (PPG-PR 343)	5.8	6.5	6.1
HELIOS (DLFPS-236/3538)	6.7	5.5	6.1
PPG-PR 370	6.3	5.9	6.1
CPN	6.3	5.9	6.1
XCELERATOR	5.7	6.5	6.1
PST-2A2	6.1	6.0	6.0
MIGHTIER (DLFPS-236/3542)	5.8	6.2	6.0
APR2616	5.8	6.3	6.0
PR-6-15	6.3	5.8	6.0
MAN O WAR	6.2	5.8	6.0
GRAND SLAM GLD	5.9	6.0	6.0
FASTBALL 3GL (PPG-PR 329)	5.7	6.2	5.9
DLFPS-236/3540	6.3	5.5	5.9
OVERDRIVE 5G	5.8	6.0	5.9
PR-5-16	6.1	5.7	5.9
GATOR FORE (DLFPS-236/3544)	5.9	5.8	5.9
PPG-PR 422	5.8	5.9	5.8

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE NORTHEAST REGION
2020 DATA

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

NAME	CT1	NJ2	MEAN
SLIDER LS (PPG-PR 241)	6.2	5.5	5.8
PHARAOH	6.1	5.5	5.8
021	5.3	6.3	5.8
SIGNET	6.0	5.6	5.8
PARADOX GLR (PPG-PR 331)	5.9	5.5	5.7
IVY (PST-2GTD)	5.8	5.6	5.7
SPIKE GLS (UF3)	5.5	6.0	5.7
PPG-PR 385	5.7	5.8	5.7
APPLE 3GL (PPG-PR 339)	5.8	5.6	5.7
GRAY WOLF (PST-2GAL)	5.6	5.8	5.7
INTENSE	5.6	5.8	5.7
PPG-PR 367	6.0	5.4	5.7
02BS1	5.5	5.8	5.7
PST-2FOXY	6.0	5.3	5.7
PARAGON 2 GLR (FP2)	5.2	6.1	5.6
KARMA	5.9	5.3	5.6
DLFPS-236/3550	5.9	5.2	5.5
LPB-SD-102	6.2	4.8	5.5
MENSA	6.3	4.7	5.5
SAVANT	6.7	4.3	5.5
SEABISCUIT	5.4	5.5	5.5
JR-123	6.2	4.7	5.4
SR 4650	5.7	5.1	5.4
SILVER SPORT (PST-2CRP)	4.8	6.0	5.4
PST-2BDT	5.5	5.3	5.4
BAR LP 6233	5.3	5.5	5.4
ASP0118GL (A-4G)	5.5	5.1	5.3
LPB-SD-104	5.7	5.0	5.3
ASP0117 (A-PR15)	5.4	5.1	5.3
PST-2MAY	5.8	4.7	5.3
DERBY XTREME	5.7	4.8	5.2
GRAY HAWK (PST-2FIND)	4.9	5.4	5.2
SAGUARO	5.5	4.8	5.2
PST-2EGAD	5.2	5.1	5.1
ALLSTAR III	5.4	4.9	5.1
JR-888	5.9	4.4	5.1
APR2612	5.1	5.1	5.1
BAR LP 6164	5.4	4.8	5.1
BAR LP 6117	5.3	4.8	5.1
PST-2PDA	5.0	5.1	5.1
TEE-ME-UP (BSP-25)	4.8	5.2	5.0
APR3060	4.7	5.3	5.0
MRSL-PR15	5.2	4.8	5.0
JR-747	5.9	4.0	5.0
BAR LP 6159	5.1	4.8	4.9
ASP0218 (A-6D)	5.5	4.3	4.9

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE NORTHEAST REGION
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	CT1	NJ2	MEAN
LPB-SD-105	5.7	4.0	4.9
LPB-SD-101	6.0	3.7	4.8
BAR LP 6165	5.4	4.2	4.8
BAR LP 6131	5.3	4.2	4.8
EVOLVE	5.2	4.3	4.8
HATRICK (BSP-17)	5.2	4.3	4.8
RAD-PR 112	4.7	4.8	4.7
BAR LP 6158	4.8	4.6	4.7
BELIZE 2 (GO-142)	5.4	4.0	4.7
LPB-SD-103	5.0	4.3	4.6
GREEN SUPREME+ (AMP-R1)	5.1	4.1	4.6
MRSI-PR16	4.6	4.6	4.6
CS-6	4.7	4.5	4.6
GO-141	5.2	4.0	4.6
NEXUS GT (SNX)	4.9	4.0	4.5
PEPPER II (RAD-PR 103)	4.6	4.3	4.4
ASP0116EXT	4.5	4.1	4.3
CAYMAN (GO-143)	4.8	3.5	4.1
DLFPS-238/3014	4.7	3.5	4.1
FIREBALL (BWH)	4.9	3.2	4.0
BAR LP 6162	4.5	3.4	4.0
BRIGHTSTAR SLT	5.0	2.9	4.0
LINN	2.8	1.0	1.9
LSD VALUE	0.8	0.9	0.6
C.V. (%)	8.9	10.0	9.4

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 7.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE TRANSITION REGION
2020 DATA

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

NAME	KS1	KY1	MD1	MO1	VA1	MEAN
PPG-PR 421	7.1	6.6	5.7	6.4	7.4	6.7
PPG-PR 371	6.9	6.1	5.8	6.5	7.3	6.5
DLFPS-236/3552	6.7	6.9	6.3	5.9	6.8	6.5
SLUGGER 3GL (PPG-PR 343)	7.0	6.7	6.0	5.3	7.6	6.5
DLFPS-236/3546	7.0	6.5	5.8	6.7	6.3	6.5
PL2	6.8	6.0	6.2	6.0	7.3	6.5
ZOOM 2 (DLFPS-236/3545)	7.0	6.7	5.7	5.0	8.0	6.5
SUPERSTAR GL (PPG-PR 420)	7.0	6.7	5.6	6.1	6.9	6.5
MYSTIQUE (DLFPS-236/3547)	7.0	6.4	5.4	5.7	7.7	6.4
SILVER SPORT (PST-2CRP)	6.9	6.3	5.6	5.7	7.8	6.4
DLFPS-236/3556	6.6	6.5	5.7	5.4	7.8	6.4
ALLOY (RRT)	6.9	6.2	5.9	5.5	7.5	6.4
FURLONG (LTP-FCB)	6.9	6.0	5.3	6.6	7.2	6.4
02BS2	6.8	6.5	5.8	5.9	6.9	6.4
PPG-PR 372	6.6	6.4	5.3	5.9	7.5	6.3
HELIOS (DLFPS-236/3538)	6.9	6.5	5.4	5.5	7.4	6.3
NP-3	6.8	6.3	5.3	6.0	7.3	6.3
SR 4700 (DLFPS-236/3543)	6.8	6.6	5.8	5.3	7.1	6.3
SHIELD (02BS4)	6.9	6.2	5.9	5.7	7.0	6.3
PR-5-16	6.6	6.6	5.1	5.3	7.9	6.3
GATOR FORE (DLFPS-236/3544)	6.9	6.2	5.8	5.3	7.4	6.3
PST-2FOXY	6.6	6.3	5.6	5.8	7.2	6.3
DLFPS-236/3548	6.8	6.4	5.7	5.6	6.9	6.3
APPLE 3GL (PPG-PR 339)	6.9	6.4	5.8	5.7	6.6	6.3
FIESTA CINCO (DLFPS-236/3554)	6.8	6.3	5.4	5.9	6.9	6.3
ALLSTAR FORE (DLFPS-236/3541)	6.9	6.6	6.1	4.9	6.9	6.3
PPG-PR 370	6.7	6.1	5.9	6.1	6.6	6.3
FASTBALL 3GL (PPG-PR 329)	7.0	6.1	5.3	5.8	6.9	6.3
BAR LP 6233	6.7	6.4	4.9	5.6	7.6	6.2
XCELERATOR	6.6	6.0	5.7	5.5	7.3	6.2
SPIKE GLS (UF3)	6.7	6.2	6.0	4.9	7.2	6.2
ASP0218 (A-6D)	6.7	6.2	4.9	5.7	7.5	6.2
PARAGON 2 GLR (FP2)	6.5	6.1	5.3	5.9	7.1	6.2
APR3060	6.9	5.9	5.2	5.2	7.7	6.2
NP-2	7.0	6.0	5.7	5.1	7.0	6.2
PPG-PR 385	6.7	6.5	5.3	5.4	6.9	6.2
PPG-PR 422	6.9	6.2	5.6	5.5	6.7	6.2
021	6.7	6.4	5.5	5.1	7.2	6.2
HOMERUN LS (PPG-PR 419)	6.8	6.0	5.7	5.1	7.3	6.2
IVY (PST-2GTD)	6.9	6.6	5.4	4.7	7.1	6.1
APR2616	6.5	6.4	5.5	4.8	7.5	6.1
JR-197	6.9	6.7	5.2	5.0	7.0	6.1
UMPQUA	6.7	6.4	5.6	4.6	7.3	6.1
ASP0117 (A-PR15)	6.8	6.0	5.3	5.0	7.4	6.1
ASP0118GL (A-4G)	6.8	6.5	5.4	5.0	6.7	6.1

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE TRANSITION REGION
2020 DATA

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

NAME	KS1	KY1	MD1	MO1	VA1	MEAN
PR-6-15	6.9	6.0	5.4	5.1	7.1	6.1
GRAND SLAM GLD	6.8	5.8	5.7	4.6	7.5	6.1
PPG-PR 360	6.7	6.0	5.8	5.1	6.8	6.1
GRAY WOLF (PST-2GAL)	6.8	6.0	5.0	5.1	7.4	6.1
STELLAR 4GL (PPG-PR 424)	6.9	6.3	4.8	5.3	7.1	6.0
BAR LP 6164	6.7	6.0	5.3	5.0	7.2	6.0
023	6.5	6.4	5.2	5.3	6.7	6.0
PPG-PR 423	6.7	6.4	5.3	5.5	6.2	6.0
PST-2MAY	.	6.3	5.4	5.6	6.7	6.0
HATRICK (BSP-17)	6.7	5.5	5.1	5.6	7.2	6.0
JR-123	7.0	5.7	5.6	5.6	6.2	6.0
DLFPS-236/3553	6.8	5.7	5.2	6.1	6.2	6.0
DLFPS-236/3550	6.8	6.1	5.4	4.5	7.1	6.0
SIGNET	6.9	6.0	5.2	4.6	7.2	6.0
NEXUS GT (SNX)	6.7	6.0	5.1	5.3	6.7	6.0
EVOLVE	6.6	5.9	5.1	4.8	7.4	6.0
GREEN SUPREME+ (AMP-R1)	6.8	5.8	5.3	4.9	7.0	6.0
SEABISCUIT	7.0	5.8	5.1	5.6	6.3	5.9
MIGHTIER (DLFPS-236/3542)	7.0	6.2	5.3	4.8	6.4	5.9
BAR LP 6117	6.7	5.9	4.6	5.2	7.2	5.9
CAYMAN (GO-143)	6.9	5.4	5.0	5.6	6.6	5.9
PST-2EGAD	6.6	6.3	4.8	4.9	6.8	5.9
PEPPER II (RAD-PR 103)	6.7	5.7	4.3	5.6	7.1	5.9
BAR LP 6131	6.6	5.3	5.0	5.2	7.2	5.9
BAR LP 6165	5.8	6.1	4.6	5.2	7.7	5.9
DLFPS-236/3540	6.9	6.1	5.4	4.5	6.4	5.9
PARADOX GLR (PPG-PR 331)	6.7	6.2	4.9	5.5	5.9	5.9
02BS1	6.8	5.7	5.5	4.7	6.6	5.9
CPN	6.6	6.2	4.6	5.0	6.8	5.9
CS-6	6.9	6.0	4.9	4.2	7.1	5.8
MRS1-PR16	6.9	6.0	4.9	4.8	6.6	5.8
MRS1-PR15	6.8	5.9	5.6	4.4	6.4	5.8
BAR LP 6159	6.6	5.9	4.7	4.9	6.9	5.8
BAR LP 6158	6.6	5.7	4.2	5.3	7.2	5.8
BAR LP 6162	6.9	5.5	4.8	4.8	6.9	5.8
PHARAOH	6.7	5.6	5.4	4.9	6.3	5.8
PST-2BDT	6.8	6.1	4.5	5.0	6.4	5.8
TEE-ME-UP (BSP-25)	6.6	5.8	4.9	4.7	6.9	5.8
APR2612	6.8	5.9	4.8	4.9	6.4	5.8
SLIDER LS (PPG-PR 241)	6.7	6.4	3.6	5.5	6.4	5.7
PPG-PR 367	6.8	5.3	3.8	5.2	7.1	5.7
INTENSE	6.7	5.7	5.4	3.4	7.0	5.6
ASP0116EXT	6.7	5.5	5.2	4.0	6.7	5.6
RAD-PR 112	6.7	6.0	4.8	4.5	6.2	5.6
DLFPS-238/3014	6.5	5.0	4.5	5.4	6.7	5.6
GRAY HAWK (PST-2FIND)	6.8	6.3	4.4	4.2	6.3	5.6

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE TRANSITION REGION
2020 DATA

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

NAME	KS1	KY1	MD1	MO1	VA1	MEAN
OVERDRIVE 5G	6.7	5.8	4.8	4.4	6.3	5.6
PST-2PDA	6.8	6.1	4.7	4.1	6.3	5.6
SR 4650	6.6	5.9	4.8	4.6	6.1	5.6
PST-2A2	6.8	6.1	5.0	3.5	6.1	5.5
FIREBALL (BWH)	6.8	5.6	4.3	4.7	5.9	5.5
BELIZE 2 (GO-142)	6.9	5.8	5.0	3.9	5.7	5.4
MAN O WAR	6.7	6.0	4.9	4.2	5.3	5.4
KARMA	.	6.0	5.1	4.3	6.1	5.4
GO-141	6.4	5.4	4.2	3.9	6.6	5.3
DERBY XTREME	6.5	5.6	4.9	4.0	5.1	5.2
JR-888	6.1	5.5	2.8	5.0	6.4	5.2
SAGUARO	6.5	5.1	3.4	4.2	5.5	5.0
BRIGHTSTAR SLT	6.7	5.3	3.3	4.6	4.9	5.0
LPB-SD-102	6.2	5.0	3.3	3.7	6.2	4.9
JR-747	6.2	4.5	2.6	4.2	6.8	4.9
ALLSTAR III	6.4	5.2	3.6	4.0	4.8	4.8
LPB-SD-101	6.4	4.9	3.0	3.4	5.9	4.7
LPB-SD-105	6.1	5.0	2.4	4.1	5.9	4.7
MENSA	6.2	4.8	3.3	4.1	5.1	4.7
LPB-SD-103	6.5	5.1	2.8	3.0	5.7	4.6
SAVANT	5.8	5.3	2.9	4.1	4.9	4.6
LPB-SD-104	6.4	5.2	2.6	3.3	5.1	4.5
LINN	4.0	2.7	1.0	3.0	4.9	3.1
LSD VALUE	0.5	0.6	1.0	1.5	1.5	0.5
C.V. (%)	4.5	5.9	12.0	18.7	13.6	11.6

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

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

TABLE 8.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
	IA1	MN1	NE1	MEAN
PPG-PR 372	6.7	5.7	6.4	6.3
PPG-PR 423	6.5	5.7	6.5	6.2
FURLONG (LTP-FCB)	7.0	5.1	6.5	6.2
JR-197	6.7	5.2	6.7	6.2
GATOR FORE (DLFPS-236/3544)	6.4	5.9	6.3	6.2
PPG-PR 421	6.6	5.3	6.7	6.2
SHIELD (02BS4)	6.5	5.3	6.7	6.2
SLUGGER 3GL (PPG-PR 343)	6.7	5.5	6.3	6.1
MYSTIQUE (DLFPS-236/3547)	7.0	5.3	6.0	6.1
PR-6-15	6.6	5.1	6.5	6.1
APPLE 3GL (PPG-PR 339)	6.2	5.5	6.5	6.1
BAR LP 6164	6.9	4.8	6.5	6.1
STELLAR 4GL (PPG-PR 424)	6.5	5.3	6.3	6.0
SILVER SPORT (PST-2CRP)	6.6	5.0	6.5	6.0
021	6.8	4.7	6.6	6.0
CPN	6.5	5.3	6.2	6.0
NP-2	6.6	5.3	6.1	6.0
PARADOX GLR (PPG-PR 331)	6.7	5.4	5.9	6.0
BAR LP 6233	7.1	4.7	6.2	6.0
UMPQUA	6.8	5.2	5.9	6.0
DLFPS-236/3546	6.5	5.5	5.9	6.0
HOMERUN LS (PPG-PR 419)	6.3	5.0	6.5	6.0
PPG-PR 367	5.9	5.8	6.2	6.0
PPG-PR 370	6.4	5.3	6.2	5.9
SLIDER LS (PPG-PR 241)	6.4	5.5	6.0	5.9
ALLSTAR FORE (DLFPS-236/3541)	6.2	5.3	6.3	5.9
APR3060	6.2	4.9	6.7	5.9
PPG-PR 422	6.4	5.3	6.0	5.9
BAR LP 6165	7.3	4.1	6.3	5.9
PR-5-16	6.3	5.2	6.1	5.9
DLFPS-236/3552	6.2	4.7	6.7	5.9
PPG-PR 371	6.4	4.9	6.3	5.9
PPG-PR 360	6.4	5.1	6.1	5.9
DLFPS-236/3540	6.3	4.9	6.4	5.9
OVERDRIVE 5G	6.1	5.2	6.2	5.8
SR 4700 (DLFPS-236/3543)	6.5	5.0	6.0	5.8
XCELERATOR	6.2	5.2	6.1	5.8
PST-2EGAD	6.8	4.5	6.2	5.8
SPIKE GLS (UF3)	5.9	5.3	6.3	5.8
NP-3	6.2	5.4	5.8	5.8
PL2	6.2	5.2	5.9	5.8
DLFPS-236/3553	6.0	5.2	6.1	5.8
IVY (PST-2GTD)	6.7	4.5	6.2	5.8
PARAGON 2 GLR (FP2)	6.2	5.4	5.7	5.8
DLFPS-236/3556	6.0	5.3	5.9	5.8

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2020 DATA

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

NAME	IA1	MN1	NE1	MEAN
ASP0117 (A-PR15)	6.0	5.0	6.3	5.8
023	6.2	4.9	6.2	5.8
02BS1	6.4	4.3	6.5	5.7
SUPERSTAR GL (PPG-PR 420)	6.4	4.7	6.1	5.7
FIESTA CINCO (DLFPS-236/3554)	6.8	4.7	5.7	5.7
DLFPS-236/3548	6.1	5.4	5.6	5.7
DLFPS-236/3550	6.1	4.9	6.1	5.7
FASTBALL 3GL (PPG-PR 329)	6.3	4.9	5.9	5.7
ZOOM 2 (DLFPS-236/3545)	6.0	4.7	6.4	5.7
LPB-SD-102	5.5	5.2	6.3	5.7
SEABISCUIT	6.5	4.5	6.1	5.7
APR2616	6.2	4.4	6.4	5.7
JR-123	6.0	5.0	6.0	5.7
ALLOY (RRT)	6.6	4.4	5.9	5.6
GRAY HAWK (PST-2FIND)	6.5	4.5	5.9	5.6
LPB-SD-101	5.7	5.1	6.1	5.6
PST-2MAY	6.3	4.5	6.0	5.6
SR 4650	6.0	5.0	5.8	5.6
HELIOS (DLFPS-236/3538)	6.6	4.7	5.5	5.6
BAR LP 6131	6.3	4.2	6.3	5.6
PST-2FOXY	6.5	4.5	5.9	5.6
INTENSE	6.0	4.7	6.1	5.6
PPG-PR 385	6.1	5.0	5.7	5.6
ASP0118GL (A-4G)	6.3	4.3	6.1	5.6
BAR LP 6159	6.4	4.1	6.1	5.5
PST-2BDT	5.9	4.3	6.5	5.5
PST-2PDA	6.4	4.5	5.7	5.5
02BS2	6.2	4.7	5.7	5.5
LPB-SD-103	5.5	5.3	5.7	5.5
MAN O WAR	6.2	4.7	5.5	5.5
BRIGHTSTAR SLT	5.9	4.5	6.1	5.5
ASP0116EXT	6.1	4.3	6.1	5.5
PHARAOH	6.3	4.3	5.9	5.5
SIGNET	6.0	4.5	6.1	5.5
MIGHTIER (DLFPS-236/3542)	6.1	3.9	6.5	5.5
MRS�-PR16	6.5	4.4	5.5	5.5
GRAY WOLF (PST-2GAL)	6.5	4.1	5.8	5.5
HATRICK (BSP-17)	6.2	4.2	6.0	5.5
JR-888	5.3	5.0	6.1	5.5
GRAND SLAM GLD	6.4	4.3	5.6	5.4
KARMA	5.3	4.8	6.2	5.4
CS-6	5.7	4.7	5.9	5.4
SAGUARO	5.5	5.1	5.7	5.4
MRS�-PR15	6.4	3.7	5.9	5.3
EVOLVE	5.5	4.4	6.0	5.3
DERBY XTREME	5.7	4.6	5.6	5.3

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2020 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	IA1	MN1	NE1	MEAN
APR2612	6.3	3.4	6.2	5.3
SAVANT	5.6	4.5	5.8	5.3
LPB-SD-105	5.5	4.9	5.5	5.3
BAR LP 6158	6.3	3.9	5.6	5.3
BAR LP 6117	6.2	4.1	5.5	5.2
PST-2A2	5.9	4.5	5.3	5.2
GO-141	5.6	4.1	5.9	5.2
ASP0218 (A-6D)	5.8	3.9	5.9	5.2
MENSA	5.4	4.3	5.8	5.2
ALLSTAR III	5.5	4.0	5.9	5.2
DLFPS-238/3014	6.8	3.4	5.0	5.1
PEPPER II (RAD-PR 103)	6.4	3.3	5.5	5.1
CAYMAN (GO-143)	5.7	3.3	6.1	5.0
FIREBALL (BWH)	5.9	3.3	5.9	5.0
GREEN SUPREME+ (AMP-R1)	5.8	4.0	5.2	5.0
BELIZE 2 (GO-142)	5.6	3.5	5.9	5.0
NEXUS GT (SNX)	6.0	3.2	5.5	4.9
RAD-PR 112	6.3	3.4	4.7	4.8
JR-747	4.9	3.5	6.1	4.8
LPB-SD-104	5.3	3.6	5.3	4.7
TEE-ME-UP (BSP-25)	5.9	2.6	5.5	4.7
BAR LP 6162	5.6	1.9	5.5	4.3
LINN	4.0	1.0	4.4	3.1
LSD VALUE	0.8	1.2	0.7	0.5
C.V. (%)	7.7	16.6	6.9	10.2

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

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

TABLE 9.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/						
	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
NP-3	7.0	7.7	6.3	6.7	7.0	6.3	6.8
SIGNET	8.0	7.7	6.7	7.0	5.7	6.0	6.8
PPG-PR 370	7.0	7.0	6.7	7.0	6.3	6.7	6.8
STELLAR 4GL (PPG-PR 424)	6.7	7.3	6.7	6.7	7.3	6.0	6.8
HOMERUN LS (PPG-PR 419)	7.3	7.3	6.3	6.7	6.7	5.7	6.7
APPLE 3GL (PPG-PR 339)	6.3	7.0	6.7	6.7	7.0	6.0	6.6
LPB-SD-105	6.0	6.7	6.7	7.0	7.0	6.3	6.6
PR-5-16	7.3	6.3	6.3	6.7	6.3	6.3	6.6
DLFPS-236/3548	6.7	7.3	6.3	6.0	6.7	6.0	6.5
MIGHTIER (DLFPS-236/3542)	6.3	7.0	6.7	6.0	6.3	6.3	6.4
DLFPS-236/3546	6.3	7.0	6.0	6.3	6.3	6.7	6.4
KARMA	7.0	7.7	6.0	6.0	6.3	5.7	6.4
SR 4650	6.7	6.7	6.7	6.7	6.3	5.7	6.4
SUPERSTAR GL (PPG-PR 420)	7.0	6.7	6.0	6.3	7.0	5.7	6.4
FASTBALL 3GL (PPG-PR 329)	7.3	7.0	6.0	5.7	6.3	6.0	6.4
MENSA	5.3	7.3	6.0	6.7	6.7	6.3	6.4
JR-747	6.3	6.7	6.3	6.3	7.0	5.7	6.4
NP-2	6.7	7.3	5.7	6.3	6.3	6.0	6.4
ALLOY (RRT)	6.7	7.0	6.0	6.0	6.3	6.0	6.3
ASP0117 (A-PR15)	6.7	7.0	5.7	5.7	7.0	6.0	6.3
LPB-SD-101	6.3	6.3	6.7	6.3	6.0	6.3	6.3
LPB-SD-103	6.0	7.0	6.0	6.0	6.3	6.7	6.3
PPG-PR 421	6.7	6.7	6.3	6.0	6.3	6.0	6.3
PPG-PR 422	6.7	7.0	6.0	5.7	6.3	6.3	6.3
SR 4700 (DLFPS-236/3543)	7.3	6.7	6.3	5.7	6.0	6.0	6.3
DLFPS-236/3553	6.7	7.0	6.3	6.0	5.7	6.0	6.3
FIESTA CINCO (DLFPS-236/3554)	6.7	6.7	6.3	6.0	6.0	6.0	6.3
PPG-PR 371	6.7	7.7	6.3	6.0	5.7	5.3	6.3
PST-2A2	7.0	6.0	6.0	6.3	6.7	5.7	6.3
FURLONG (LTP-FCB)	6.3	7.3	6.0	5.7	6.3	6.0	6.3
PL2	6.3	7.3	6.0	5.3	6.3	6.3	6.3
PR-6-15	6.7	7.3	6.0	6.0	6.0	5.7	6.3
SLUGGER 3GL (PPG-PR 343)	6.7	7.0	6.0	6.0	6.0	6.0	6.3
SPIKE GLS (UF3)	7.0	7.0	6.0	6.0	5.7	6.0	6.3
023	6.7	6.3	6.0	5.7	6.3	6.3	6.2
BAR LP 6159	7.3	6.3	6.3	5.7	6.7	5.0	6.2
DLFPS-236/3540	6.7	6.7	5.7	6.0	6.3	6.0	6.2
JR-888	5.7	7.0	6.3	6.3	6.3	5.7	6.2
PST-2MAY	6.3	7.0	6.0	5.7	6.0	6.3	6.2
PARADOX GLR (PPG-PR 331)	6.7	6.3	6.0	6.3	6.3	5.7	6.2
PPG-PR 372	6.7	6.7	6.3	5.7	6.0	6.0	6.2
ASP0116EXT	6.3	7.3	6.0	5.7	6.3	5.3	6.2
DLFPS-236/3552	6.3	6.7	5.7	5.7	6.3	6.3	6.2
GRAY WOLF (PST-2GAL)	6.7	7.0	6.0	5.0	6.0	6.3	6.2
LPB-SD-104	5.0	6.3	6.0	6.3	7.0	6.3	6.2

TABLE 9.
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/
2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/						
	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PPG-PR 360	6.0	6.3	6.3	6.0	6.0	6.3	6.2
SAGUARO	6.0	7.0	6.3	6.3	5.7	5.7	6.2
SILVER SPORT (PST-2CRP)	7.0	6.3	6.0	5.7	6.3	5.7	6.2
MYSTIQUE (DLFPS-236/3547)	6.0	6.0	6.0	6.0	6.0	6.7	6.1
LPB-SD-102	5.7	7.3	6.3	5.3	5.3	6.7	6.1
SAVANT	4.7	7.0	6.3	6.0	6.3	6.3	6.1
SLIDER LS (PPG-PR 241)	6.3	6.0	6.0	6.0	6.0	6.3	6.1
XCELERATOR	6.0	6.3	6.3	5.7	6.3	6.0	6.1
02BS1	6.3	6.7	5.7	5.7	6.0	6.3	6.1
ASP0218 (A-6D)	6.7	6.7	6.0	5.7	6.3	5.3	6.1
PPG-PR 423	6.3	6.0	6.3	6.0	6.0	6.0	6.1
CPN	7.0	6.3	5.7	5.7	6.3	5.3	6.1
ZOOM 2 (DLFPS-236/3545)	6.7	6.0	5.7	5.3	6.3	6.3	6.1
DLFPS-236/3550	6.3	6.3	6.0	6.0	5.7	6.0	6.1
OVERDRIVE 5G	6.7	6.0	5.7	6.0	6.0	6.0	6.1
ALLSTAR FORE (DLFPS-236/3541)	6.3	6.7	6.3	5.3	6.0	5.3	6.0
BAR LP 6117	6.7	6.3	6.0	5.3	6.7	5.0	6.0
BAR LP 6164	6.7	6.3	6.0	5.7	6.0	5.3	6.0
HELIOS (DLFPS-236/3538)	6.7	6.7	5.7	5.7	5.7	5.7	6.0
GATOR FORE (DLFPS-236/3544)	6.3	6.0	6.3	5.7	6.0	5.7	6.0
GO-141	6.7	6.7	5.0	5.3	6.3	6.0	6.0
GRAND SLAM GLD	5.7	6.3	6.0	5.7	6.3	6.0	6.0
PARAGON 2 GLR (FP2)	6.0	6.3	6.0	5.0	6.7	6.0	6.0
021	7.0	6.0	5.7	5.7	5.7	5.7	5.9
02BS2	5.7	6.7	6.3	5.3	6.0	5.7	5.9
PPG-PR 367	6.3	6.3	5.7	5.3	6.0	6.0	5.9
UMPQUA	6.0	6.0	5.7	6.0	6.3	5.7	5.9
CS-6	6.7	6.3	5.7	5.3	5.7	5.7	5.9
PPG-PR 385	5.7	6.7	6.0	6.0	6.0	5.0	5.9
ASP0118GL (A-4G)	6.0	5.7	5.3	5.7	6.7	5.7	5.8
PST-2FOXY	5.7	6.3	6.0	5.7	5.7	5.7	5.8
JR-197	6.3	5.7	5.7	5.3	6.3	5.3	5.8
PST-2BDT	6.0	6.7	5.7	5.0	6.0	5.3	5.8
SHIELD (02BS4)	5.7	6.3	6.0	5.7	5.3	5.7	5.8
GREEN SUPREME+ (AMP-R1)	5.3	6.0	5.3	5.3	6.3	6.0	5.7
INTENSE	6.3	6.3	5.7	4.7	5.7	5.7	5.7
JR-123	6.0	6.0	5.3	5.3	6.0	5.7	5.7
PEPPER II (RAD-PR 103)	5.3	6.3	5.7	5.7	6.0	5.3	5.7
PST-2PDA	5.7	6.0	6.0	5.0	6.3	5.3	5.7
TEE-ME-UP (BSP-25)	5.0	6.0	6.0	5.7	6.0	5.3	5.7
BAR LP 6233	4.7	6.3	6.0	6.0	5.7	5.0	5.6
RAD-PR 112	6.7	5.7	5.0	5.0	5.7	5.7	5.6
APR2616	5.3	5.7	5.3	5.3	6.3	5.7	5.6
CAYMAN (GO-143)	6.3	6.3	5.3	5.0	5.7	5.0	5.6
DERBY XTREME	5.7	6.3	5.3	5.0	6.0	5.3	5.6
DLFPS-236/3556	5.7	5.3	5.7	5.3	6.0	5.7	5.6

TABLE 9. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT (IN THE UPPER WEST/MOUNTAIN REGION) 1/ (CONT'D) 2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/							MEAN
	MAY	JUN	JUL	AUG	SEP	OCT		
IVY (PST-2GTD)	6.0	5.7	5.7	5.0	5.7	5.7	5.6	
PHARAOH	6.7	6.0	5.0	5.3	5.3	5.3	5.6	
APR2612	6.0	5.7	5.3	5.0	5.3	6.0	5.6	
HATRICK (BSP-17)	5.7	6.0	5.3	5.0	6.3	5.0	5.6	
MAN O WAR	5.7	6.0	5.0	5.0	5.7	5.7	5.5	
BAR LP 6158	5.7	6.3	5.3	4.7	5.7	5.0	5.4	
MRS�-PR16	5.3	6.0	5.7	5.0	5.7	5.0	5.4	
BELIZE 2 (GO-142)	6.3	5.3	5.0	5.0	5.7	5.0	5.4	
BRIGHTSTAR SLT	5.7	5.3	5.3	5.0	5.3	5.7	5.4	
GRAY HAWK (PST-2FIND)	5.3	5.7	5.0	5.3	5.7	5.3	5.4	
ALLSTAR III	5.3	5.3	5.0	5.3	5.7	5.3	5.3	
APR3060	5.3	6.0	5.3	4.7	6.0	4.7	5.3	
NEXUS GT (SNX)	5.7	5.7	5.0	4.7	5.7	5.0	5.3	
BAR LP 6131	5.7	5.3	5.3	4.3	6.0	4.7	5.2	
MRS�-PR15	5.3	5.7	5.3	4.7	5.7	4.7	5.2	
PST-2EGAD	5.3	5.7	4.3	4.7	5.7	5.3	5.2	
SEABISCUIT	5.7	5.0	4.7	5.0	5.3	5.3	5.2	
BAR LP 6165	4.7	6.3	5.0	5.0	5.0	4.3	5.1	
EVOLVE	5.3	5.7	4.7	4.3	4.7	4.7	4.9	
BAR LP 6162	5.0	6.0	4.7	4.0	5.0	4.7	4.9	
FIREBALL (BWH)	4.7	5.0	4.7	4.3	5.3	4.3	4.7	
DLFPS-238/3014	4.3	5.0	4.3	4.0	5.3	4.7	4.6	
LINN	2.0	3.0	3.0	2.0	2.7	2.3	2.5	
LSD VALUE	1.6	1.2	1.2	1.2	1.1	1.1	0.8	
C.V. (%)	15.9	12.1	12.6	13.1	11.7	12.3	8.7	

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

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

TABLE 10.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PPG-PR 367	7.0	7.3	7.3	7.0	7.0	6.3	7.7	8.0	8.0	7.0	6.3	6.3	7.1
PST-2FOXY	6.0	6.7	7.0	8.0	7.3	6.3	7.7	8.0	8.0	7.0	6.3	6.7	7.1
JR-197	7.3	7.7	7.7	7.3	7.0	6.3	8.0	8.0	7.3	7.0	5.3	5.7	7.1
PPG-PR 422	6.3	7.3	7.7	7.7	7.3	6.7	7.7	7.7	7.7	7.0	5.3	6.0	7.0
STELLAR 4GL (PPG-PR 424)	6.7	6.7	6.3	7.7	7.3	6.3	8.0	8.0	8.0	7.0	6.3	6.0	7.0
ZOOM 2 (DLFPS-236/3545)	7.0	7.0	6.7	8.0	7.3	6.3	7.7	8.0	7.7	7.0	5.7	5.3	7.0
PHARAOH	6.7	6.7	6.3	7.7	7.0	6.3	7.7	7.7	7.3	7.0	6.7	6.7	7.0
SPIKE GLS (UF3)	7.3	7.3	6.7	7.7	7.0	6.3	7.7	7.7	7.3	7.0	5.7	5.7	6.9
PARAGON 2 GLR (FP2)	5.7	6.7	7.7	7.3	7.3	6.3	7.3	8.0	7.7	7.0	6.3	6.0	6.9
O2BS1	6.3	6.7	6.7	7.7	7.0	6.3	7.7	8.0	8.0	7.0	5.7	6.0	6.9
APPLE 3GL (PPG-PR 339)	6.0	6.7	6.7	7.3	7.3	6.3	8.0	8.0	7.3	7.0	5.7	6.0	6.9
PPG-PR 421	6.0	6.7	6.7	7.7	7.0	6.3	8.0	8.0	7.7	6.7	6.0	5.7	6.9
DLFPS-236/3556	6.0	6.7	6.7	7.7	7.0	6.3	7.7	8.0	7.7	7.0	5.7	6.0	6.9
FURLONG (LTP-FCB)	6.3	6.7	6.7	7.0	7.0	6.3	7.7	8.0	7.3	7.0	6.3	6.0	6.9
MAN O WAR	6.0	7.0	7.7	8.0	7.0	6.0	7.7	8.0	7.3	6.7	5.3	5.3	6.8
NP-2	6.0	6.7	6.7	8.0	7.3	6.3	7.7	7.7	7.3	7.0	5.7	5.7	6.8
ALLOY (RRT)	6.0	6.7	6.7	7.3	7.3	6.3	7.0	7.7	7.7	7.0	6.0	6.0	6.8
CPN	6.7	7.0	6.7	7.7	7.3	6.3	7.3	7.3	7.0	6.7	6.0	5.7	6.8
ALLSTAR FORE (DLFPS-236/3541)	5.7	6.3	6.3	8.0	7.0	6.0	7.3	7.7	7.7	7.0	6.0	6.3	6.8
DERBY XTREME	5.7	6.7	7.0	7.3	6.7	6.0	7.7	8.0	7.3	7.0	6.0	6.0	6.8
DLFPS-236/3546	6.0	6.3	6.0	7.0	7.0	6.3	7.7	8.0	8.0	7.0	6.0	6.0	6.8
PST-2A2	6.0	6.7	6.7	7.3	7.3	6.3	7.3	7.3	7.3	7.0	6.0	6.0	6.8
NP-3	5.7	6.3	6.3	7.7	7.0	6.3	8.0	8.0	7.3	7.0	6.0	5.7	6.8
PPG-PR 372	5.7	6.3	6.7	7.3	7.0	6.0	8.0	8.0	8.0	7.0	5.3	6.0	6.8
PR-6-15	6.0	7.3	7.7	7.0	6.7	6.3	7.3	7.7	7.7	6.7	5.3	5.7	6.8
HOMERUN LS (PPG-PR 419)	7.0	7.0	6.7	7.3	7.0	6.3	7.3	7.3	7.0	7.0	5.3	5.7	6.8
GRAND SLAM GLD	5.7	6.3	6.3	7.3	7.0	6.3	7.3	8.0	7.7	7.0	6.3	5.3	6.7
OVERDRIVE 5G	6.0	6.3	6.3	7.3	7.0	6.0	8.0	8.0	7.3	7.0	5.7	5.7	6.7
O2BS2	6.0	6.3	6.0	7.3	7.0	6.0	7.7	7.7	7.3	7.0	6.3	6.0	6.7
SILVER SPORT (PST-2CRP)	6.3	6.7	7.0	7.0	7.0	6.3	7.0	7.3	7.3	7.0	5.3	6.0	6.7
PPG-PR 371	6.0	6.3	6.3	7.0	7.0	6.0	8.0	8.0	7.7	7.0	5.7	5.3	6.7
PPG-PR 423	6.0	6.7	7.0	7.3	7.0	6.3	7.7	8.0	7.7	6.7	5.0	5.0	6.7
SLUGGER 3GL (PPG-PR 343)	5.3	6.7	7.3	7.0	7.0	6.0	8.0	8.0	7.3	6.7	5.3	5.7	6.7
UMPQUA	6.3	7.0	7.3	8.0	7.3	6.3	7.3	7.3	7.0	6.3	5.0	5.0	6.7
DLFPS-236/3552	6.0	6.7	6.7	7.0	7.0	6.3	7.0	7.3	7.3	7.0	6.0	5.7	6.7
MIGHTIER (DLFPS-236/3542)	6.0	6.3	6.0	7.7	7.0	6.0	8.0	8.0	7.0	6.7	5.7	5.3	6.6
GATOR FORE (DLFPS-236/3544)	5.7	6.3	6.3	7.7	7.3	6.3	7.0	7.7	7.7	6.7	5.3	5.7	6.6
SUPERSTAR GL (PPG-PR 420)	5.7	6.0	6.0	7.3	7.0	6.3	8.0	8.0	7.3	6.7	5.7	5.7	6.6
SR 4700 (DLFPS-236/3543)	5.3	6.0	6.3	8.0	7.3	6.3	7.7	7.7	7.0	6.7	5.7	5.7	6.6
FASTBALL 3GL (PPG-PR 329)	6.0	6.0	6.0	7.0	6.7	6.3	8.0	8.0	7.3	6.7	5.7	5.7	6.6
MYSTIQUE (DLFPS-236/3547)	6.0	6.0	5.7	6.7	6.7	6.3	7.3	7.7	7.7	6.7	6.3	6.3	6.6
PARADOX GLR (PPG-PR 331)	5.7	6.3	6.3	7.0	7.0	6.3	7.7	8.0	7.7	6.7	5.3	5.3	6.6
DLFPS-236/3553	5.0	6.3	7.0	7.7	7.0	6.0	7.0	7.3	7.3	7.0	5.7	5.7	6.6
PL2	6.0	6.3	6.0	7.3	7.0	6.3	7.7	7.7	7.3	6.7	5.3	5.3	6.6
XCELERATOR	6.3	7.0	6.7	7.3	7.0	6.3	7.3	7.3	7.0	6.3	5.3	5.0	6.6
PPG-PR 360	5.7	6.3	6.3	7.0	6.7	6.0	8.0	8.0	7.3	6.7	5.7	5.0	6.6

TABLE 10.
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ASP0218 (A-6D)	5.0	6.3	6.7	7.3	7.0	6.3	7.3	7.7	7.3	6.7	5.3	5.3	6.5
BELIZE 2 (GO-142)	5.7	6.7	7.0	7.7	7.3	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.5
DLFPS-236/3540	5.7	6.3	6.3	8.0	7.7	6.7	7.3	7.3	7.0	6.0	5.0	5.0	6.5
PST-2MAY	5.0	6.0	6.3	7.3	7.0	6.3	7.0	7.7	7.7	6.7	5.7	5.7	6.5
APR2616	5.7	6.7	7.0	7.0	7.0	6.0	7.3	7.3	7.0	6.7	5.0	5.3	6.5
PPG-PR 370	5.7	6.3	6.7	7.3	7.0	6.3	7.0	7.3	7.3	6.7	5.3	5.0	6.5
DLFPS-236/3548	5.0	6.0	6.3	7.7	7.0	6.0	7.7	8.0	7.3	6.3	5.3	5.0	6.5
GRAY HAWK (PST-2FIND)	5.0	5.7	6.0	7.3	7.0	6.3	7.7	8.0	7.7	6.3	5.3	5.3	6.5
KARMA	5.3	6.3	6.7	7.3	7.0	6.0	7.3	7.3	7.0	6.7	5.3	5.3	6.5
INTENSE	5.3	6.0	6.3	7.7	7.0	6.0	7.7	7.7	7.3	6.0	5.7	5.0	6.5
ASP0118GL (A-4G)	5.3	6.0	6.0	7.0	7.0	6.0	7.7	7.7	7.3	6.7	5.3	5.3	6.4
RAD-PR 112	5.7	6.3	6.7	7.0	7.0	6.0	7.0	7.3	7.0	6.7	5.3	5.3	6.4
021	6.0	6.0	6.0	7.3	7.3	6.3	7.3	7.3	7.0	6.3	5.0	5.3	6.4
FIREBALL (BWH)	5.3	6.0	6.3	6.7	6.7	6.0	8.0	8.0	7.7	6.7	5.0	5.0	6.4
SHIELD (02BS4)	5.7	6.3	6.3	7.0	7.0	6.3	7.0	7.0	7.0	6.7	5.3	5.3	6.4
023	5.3	6.3	7.0	7.0	6.7	6.0	7.3	7.3	7.0	6.3	5.3	5.0	6.4
ASP0116EXT	5.7	6.3	6.3	7.0	6.7	6.3	7.0	7.7	7.3	6.0	5.0	5.3	6.4
PR-5-16	5.0	6.0	6.7	7.7	7.3	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.4
SEABISCUIT	5.0	6.0	6.7	7.0	7.0	6.3	7.0	7.3	7.3	6.3	5.3	5.3	6.4
SR 4650	5.7	6.3	6.3	7.0	6.7	6.3	7.3	7.3	7.0	6.3	5.3	5.0	6.4
ALLSTAR III	5.7	6.3	6.3	7.0	7.0	6.0	7.0	7.0	7.0	6.3	5.3	5.3	6.4
APR2612	5.3	6.3	6.3	6.7	6.7	6.0	7.7	7.7	7.0	6.3	5.0	5.3	6.4
SLIDER LS (PPG-PR 241)	5.0	6.0	6.3	7.0	6.7	6.0	7.7	8.0	7.3	6.0	5.0	5.3	6.4
ASP0117 (A-PR15)	5.3	5.7	6.0	7.3	7.0	6.3	7.7	7.7	7.0	6.0	5.0	5.3	6.4
DLFPS-236/3550	5.3	6.0	6.3	7.3	7.0	6.3	7.3	7.3	7.0	6.3	5.0	5.0	6.4
FIESTA CINCO (DLFPS-236/3554)	5.0	5.7	6.0	7.3	7.0	6.3	7.3	7.7	7.3	6.7	5.0	5.0	6.4
IVY (PST-2GTD)	5.3	5.7	6.0	7.0	7.0	6.3	7.0	7.0	7.0	6.3	5.7	6.0	6.4
JR-123	6.0	6.0	5.7	7.3	6.7	6.0	7.3	7.3	7.0	6.7	5.3	5.0	6.4
LPB-SD-103	6.0	6.0	5.7	7.3	7.3	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.4
PST-2BDT	5.3	5.7	6.0	7.7	7.0	6.3	7.7	7.7	7.0	6.0	5.0	5.0	6.4
DLFPS-238/3014	6.0	6.7	7.0	7.0	7.0	6.0	7.0	7.0	6.3	6.0	5.0	5.0	6.3
GRAY WOLF (PST-2GAL)	5.3	6.0	6.0	7.7	7.0	6.3	7.0	7.0	7.0	6.7	5.0	5.0	6.3
HATRICK (BSP-17)	5.7	6.3	6.0	6.7	7.0	6.3	7.3	7.3	7.0	6.0	5.0	5.3	6.3
BAR LP 6165	5.0	6.3	7.0	7.0	7.0	6.3	7.0	7.0	6.7	6.0	5.3	5.0	6.3
GREEN SUPREME+ (AMP-R1)	5.3	6.0	6.3	6.7	6.7	6.3	7.3	7.7	7.3	6.0	5.0	5.0	6.3
JR-888	5.7	6.3	6.3	7.3	7.0	6.3	7.3	7.0	6.3	6.0	5.0	5.0	6.3
PEPPER II (RAD-PR 103)	5.7	6.3	6.3	6.7	7.0	6.3	7.3	7.0	6.7	6.0	5.3	5.0	6.3
TEE-ME-UP (BSP-25)	6.0	6.3	6.3	6.7	6.7	6.3	7.0	7.0	7.0	6.0	5.0	5.3	6.3
CS-6	5.0	5.7	6.3	7.3	7.0	6.0	7.0	7.3	7.0	6.7	5.0	5.3	6.3
CAYMAN (GO-143)	5.3	6.0	6.0	6.7	7.0	6.3	7.0	7.0	7.0	6.3	5.3	5.3	6.3
GO-141	5.0	6.0	6.3	7.0	7.0	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.3
BAR LP 6164	5.0	6.0	6.7	7.3	7.0	6.3	7.3	7.0	6.7	6.0	5.0	5.0	6.3
LPB-SD-102	5.7	6.0	6.3	6.7	6.7	6.0	7.3	7.3	7.0	6.0	5.0	5.3	6.3
MENSA	5.7	6.3	6.3	7.0	7.0	6.3	7.0	7.0	6.7	6.0	5.0	5.0	6.3
PPG-PR 385	5.0	5.7	6.0	7.0	6.7	6.0	7.3	7.3	7.0	6.7	5.0	5.3	6.3
PST-2EGAD	5.0	6.3	7.0	6.7	6.7	6.0	7.0	7.0	7.0	6.0	5.0	5.3	6.3

TABLE 10.
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2020 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
SIGNET	5.0	5.7	5.7	7.3	7.0	6.3	7.0	7.3	7.3	6.3	5.0	5.0	6.3
MRSL-PR15	5.3	6.0	6.3	6.7	6.7	6.3	7.0	7.0	7.0	6.0	5.0	5.3	6.2
MRSL-PR16	5.7	6.0	5.7	6.7	6.7	6.3	7.0	7.0	7.0	6.3	5.0	5.3	6.2
NEXUS GT (SNX)	5.3	6.0	6.3	6.7	6.7	6.0	7.3	7.3	7.0	6.0	5.0	5.0	6.2
DLFPS-236/3538	5.3	6.0	6.3	7.3	7.0	6.3	7.0	7.0	6.3	6.0	5.0	5.0	6.2
LPB-SD-101	6.3	6.7	6.3	6.3	6.3	6.0	7.3	7.0	6.3	6.0	5.0	5.0	6.2
SAGUARO	5.0	5.7	6.0	7.0	7.0	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.2
JR-747	5.0	5.3	5.7	7.3	7.0	6.3	7.0	7.3	7.3	6.0	5.0	5.0	6.2
BAR LP 6158	4.7	5.7	6.3	7.0	7.0	6.0	7.3	7.0	6.7	6.0	5.0	5.0	6.1
LPB-SD-104	4.7	5.7	5.7	7.3	7.3	6.3	7.0	7.0	7.0	6.0	4.7	5.0	6.1
PST-2PDA	5.0	5.7	6.0	7.0	7.0	6.3	7.0	7.0	6.7	6.0	5.0	5.0	6.1
BAR LP 6233	5.0	6.0	6.0	6.7	6.7	6.3	7.0	7.0	6.3	6.0	5.0	5.0	6.1
BRIGHTSTAR SLT	5.7	6.3	6.3	7.0	6.7	5.7	6.7	6.7	6.3	5.7	5.0	5.0	6.1
APR3060	5.3	5.7	5.7	6.0	6.7	6.3	7.3	7.0	6.7	6.0	5.0	5.0	6.1
BAR LP 6162	5.0	6.3	7.0	6.7	6.7	6.0	6.3	6.3	6.3	6.0	5.0	5.0	6.1
EVOLVE	5.0	5.7	6.0	6.7	6.7	6.0	7.0	7.0	6.7	6.0	5.0	5.0	6.1
SAVANT	4.3	5.3	5.7	7.3	7.0	6.3	7.0	7.0	7.0	5.7	5.0	5.0	6.1
BAR LP 6117	5.0	6.0	6.7	6.3	6.3	6.0	7.0	7.0	6.0	6.0	5.0	5.0	6.0
BAR LP 6159	4.7	5.7	6.0	6.7	6.7	6.3	7.0	7.0	6.0	5.7	5.0	5.0	6.0
LPB-SD-105	4.7	5.3	5.7	6.3	6.3	6.3	7.0	7.0	7.0	6.0	5.0	5.0	6.0
BAR LP 6131	4.3	6.0	6.7	6.7	6.3	5.7	6.7	7.0	6.3	6.0	4.7	4.7	5.9
LINN	5.0	5.7	6.0	5.7	5.7	5.7	6.0	6.0	5.7	5.3	5.0	4.7	5.5
LSD VALUE	1.3	1.1	1.5	1.0	0.7	0.8	0.7	0.7	0.7	0.6	0.7	0.8	0.4
C.V. (%)	14.2	10.6	14.4	8.8	6.7	7.8	6.2	5.5	6.4	6.0	8.7	9.5	4.1

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 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2020 DATA

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS								
	MAY	JULY	OCTOBER	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
02BS2	5.3	5.3	4.3	7.0	6.7	6.3	7.0	7.0	6.7	7.0	6.0	6.7
SR 4700 (DLFPS-236/3543)	5.7	6.3	5.7	6.7	6.7	7.0	6.7	7.0	6.3	7.0	6.3	6.7
FURLONG (LTP-FCB)	6.3	7.0	5.3	6.7	6.7	7.0	6.7	6.3	6.7	6.7	6.0	6.6
APPLE 3GL (PPG-PR 339)	6.3	5.7	5.3	6.7	6.7	6.7	6.7	6.7	6.7	6.0	6.0	6.5
STELLAR 4GL (PPG-PR 424)	5.3	5.0	5.7	7.3	6.3	6.3	6.0	6.7	6.7	6.3	6.0	6.5
IVY (PST-2GTD)	5.7	5.7	6.0	6.3	6.7	6.3	6.7	6.7	6.3	6.0	6.0	6.4
NP-3	6.0	6.0	5.3	7.0	5.7	6.3	6.3	6.7	6.7	6.3	6.3	6.4
SPIKE GLS (UF3)	5.7	6.0	5.3	6.7	6.3	6.3	6.7	6.7	6.3	6.3	6.0	6.4
PR-6-15	5.7	5.3	5.3	6.3	6.3	6.0	6.3	6.3	6.3	6.7	5.7	6.3
PST-2A2	5.7	5.7	5.0	6.7	6.3	6.0	6.3	6.3	6.7	6.0	6.0	6.3
PPG-PR 370	6.0	5.3	5.7	6.7	5.7	6.3	5.7	6.3	6.3	6.3	6.0	6.2
PPG-PR 421	6.0	6.0	6.7	6.3	6.3	6.0	6.0	6.3	6.3	6.0	6.3	6.2
SEABISCUIT	5.0	5.3	5.0	6.3	6.3	6.3	6.0	5.7	6.7	6.0	6.0	6.2
GATOR FORE (DLFPS-236/3544)	5.7	6.0	6.0	6.0	6.3	6.3	6.3	6.0	6.0	6.0	5.7	6.1
FIESTA CINCO (DLFPS-236/3554)	6.7	7.7	6.0	6.0	6.3	5.7	5.7	6.7	6.0	6.3	6.0	6.1
PARADOX GLR (PPG-PR 331)	6.0	6.7	5.7	5.7	6.0	6.3	6.3	6.3	6.0	6.0	6.3	6.1
PPG-PR 367	6.0	6.3	6.3	6.0	6.3	6.0	6.3	6.3	6.0	6.0	6.0	6.1
PPG-PR 372	5.3	5.3	5.0	6.3	6.7	6.3	5.7	6.0	6.3	5.7	5.7	6.1
SLUGGER 3GL (PPG-PR 343)	5.3	5.3	5.7	6.7	6.3	6.3	6.0	6.0	5.7	6.0	5.7	6.1
APR2616	6.7	6.3	5.3	6.7	6.0	6.0	6.0	5.7	5.7	6.3	5.3	6.0
BAR LP 6117	6.0	6.0	5.0	6.3	5.3	6.0	5.7	5.7	6.0	6.7	6.0	6.0
DLFPS-236/3552	6.7	7.7	5.7	6.3	6.0	6.3	6.0	6.0	6.0	5.7	5.3	6.0
DLFPS-236/3553	4.3	5.7	5.3	6.3	5.3	6.0	5.7	5.7	6.7	6.3	6.0	6.0
FASTBALL 3GL (PPG-PR 329)	6.7	6.0	5.7	6.0	6.0	6.0	5.7	6.3	6.0	6.0	5.7	6.0
NP-2	6.0	6.0	6.0	5.7	6.7	6.0	6.7	6.0	5.7	5.7	5.7	6.0
PHARAOH	5.7	5.7	6.3	6.0	6.0	5.7	5.7	6.0	6.3	6.7	6.0	6.0
SLIDER LS (PPG-PR 241)	4.7	5.3	5.0	6.0	6.0	6.0	6.0	6.0	6.0	5.3	6.3	6.0
BRIGHTSTAR SLT	5.3	6.0	5.7	6.3	5.7	6.3	5.7	6.0	6.3	5.3	5.7	5.9
CPN	4.7	5.3	4.7	6.7	6.0	5.7	5.3	5.7	6.7	6.0	5.3	5.9
EVOLVE	5.0	5.3	4.7	6.0	5.3	6.0	6.7	5.7	6.3	6.0	5.0	5.9
PPG-PR 360	6.0	5.7	5.3	6.7	5.7	5.7	5.7	5.7	5.7	6.7	5.3	5.9
PPG-PR 371	5.3	5.3	5.7	6.3	5.7	5.7	6.0	6.0	6.0	5.7	5.7	5.9
ALLOY (RRT)	6.0	6.7	6.3	5.7	5.7	6.0	5.3	6.0	5.7	6.0	5.7	5.8
ALLSTAR FORE (DLFPS-236/3541)	6.3	7.0	6.3	6.0	5.7	5.3	5.7	6.0	6.0	5.7	5.7	5.8
BAR LP 6131	4.3	5.3	5.0	6.3	5.3	6.0	5.7	5.7	5.7	6.3	5.0	5.8
BAR LP 6162	4.0	4.0	4.0	6.0	5.3	6.0	5.3	6.0	6.0	6.0	6.0	5.8
BAR LP 6164	4.7	5.7	5.0	5.7	6.0	6.0	5.3	6.0	6.0	5.7	5.3	5.8
ZOOM 2 (DLFPS-236/3545)	5.0	6.0	5.0	6.3	6.3	5.7	5.7	5.7	6.0	5.3	5.0	5.8
DLFPS-236/3550	5.7	7.0	6.0	6.3	5.3	6.3	5.7	6.0	6.0	5.3	5.3	5.8
JR-123	5.7	6.0	5.3	6.3	6.0	5.3	5.7	5.7	6.0	6.0	5.7	5.8
PARAGON 2 GLR (FP2)	6.0	6.3	5.7	5.7	6.3	5.7	5.7	6.3	5.7	6.0	5.0	5.8
PL2	5.3	6.0	5.3	6.0	5.3	5.3	6.0	5.3	6.3	6.3	5.3	5.8
SR 4650	6.0	6.3	5.0	6.7	5.7	5.7	5.7	5.7	5.7	5.7	6.0	5.8
SUPERSTAR GL (PPG-PR 420)	5.3	6.0	5.0	6.0	5.3	6.0	6.0	6.3	6.0	5.3	5.3	5.8
UMPQUA	5.0	5.0	5.3	6.3	6.3	6.0	5.7	5.7	5.7	5.7	5.3	5.8
XCELERATOR	5.0	6.0	5.7	6.0	6.0	6.0	5.0	5.7	6.0	6.3	5.7	5.8
023	4.7	5.3	4.3	6.3	5.7	5.7	5.7	5.7	6.0	5.3	5.3	5.7

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2020 DATA

NAME	WEAR TOLERANCE RATINGS				QUALITY RATINGS							MEAN
	MAY	JULY	OCTOBER	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BAR LP 6159	6.0	6.3	4.3	6.3	5.0	6.0	5.3	5.3	6.0	6.0	5.3	5.7
BAR LP 6165	5.0	4.7	4.3	6.3	5.3	6.0	5.7	5.7	6.0	5.3	5.0	5.7
BAR LP 6233	5.0	4.7	5.0	6.7	5.3	6.0	5.7	5.7	6.0	5.3	5.0	5.7
DERBY XTREME	5.0	5.3	5.7	5.7	5.7	5.7	6.0	6.0	6.0	5.0	5.3	5.7
DLFPS-238/3014	4.3	4.3	4.0	6.3	5.0	5.7	5.3	5.3	6.0	6.0	5.7	5.7
JR-197	6.7	6.0	5.3	6.0	6.0	5.3	5.7	5.7	6.3	5.7	5.0	5.7
KARMA	5.0	5.3	5.3	6.0	5.7	5.7	5.3	5.7	6.3	5.3	5.3	5.7
SHIELD (02BS4)	4.3	6.0	4.7	5.7	5.7	5.7	5.7	5.7	5.7	6.0	5.3	5.7
02BS1	6.7	7.3	6.7	5.7	5.7	5.7	5.7	5.7	6.0	5.7	5.0	5.6
HELIOS (DLFPS-236/3538)	5.3	5.3	5.3	5.7	6.0	6.0	5.7	5.7	5.3	5.3	5.0	5.6
DLFPS-236/3546	5.0	5.7	5.3	5.7	5.3	5.3	6.0	5.7	5.3	5.7	5.7	5.6
MYSTIQUE (DLFPS-236/3547)	5.3	5.3	5.0	5.3	6.0	5.3	5.7	6.0	6.0	5.3	5.3	5.6
MAN O WAR	5.3	5.7	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.3	5.3	5.6
PR-5-16	4.3	5.3	4.7	5.7	5.7	6.3	5.7	5.7	6.0	5.0	5.0	5.6
021	4.7	5.0	4.7	5.7	5.7	5.7	5.3	5.7	6.0	5.3	5.0	5.5
APR2612	6.0	6.0	6.0	5.7	5.3	5.7	5.3	5.7	5.7	6.0	5.0	5.5
BAR LP 6158	4.0	4.7	4.3	6.3	5.0	5.7	5.3	5.7	5.7	5.7	5.0	5.5
DLFPS-236/3548	5.0	5.7	5.3	6.0	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.5
HOMERUN LS (PPG-PR 419)	5.0	5.7	5.3	5.7	5.7	5.7	5.3	5.3	5.3	5.7	5.3	5.5
OVERDRIVE 5G	5.0	5.7	4.7	5.3	5.3	5.3	5.3	5.7	5.7	5.7	5.3	5.5
PPG-PR 423	6.0	5.7	5.0	6.0	5.7	5.3	5.3	5.7	5.7	5.3	5.3	5.5
PST-2EGAD	4.7	5.3	4.7	6.0	5.7	5.3	5.3	5.3	5.3	5.7	5.0	5.5
PST-2FOXY	5.7	5.3	6.0	5.7	5.0	5.3	5.7	5.3	5.7	6.0	5.3	5.5
DLFPS-236/3540	6.3	5.7	6.0	5.3	5.7	5.3	5.7	5.3	5.7	5.3	5.0	5.4
MIGHTIER (DLFPS-236/3542)	6.0	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.4
MRSL-PR15	5.7	5.3	4.3	5.7	5.0	5.7	5.7	5.7	5.3	5.3	5.0	5.4
PPG-PR 422	5.3	5.3	5.3	6.0	5.7	5.0	5.3	5.7	5.3	5.0	5.0	5.4
PST-2PDA	6.0	5.7	5.7	5.7	5.3	5.3	5.3	5.3	6.3	5.0	5.0	5.4
SIGNET	5.0	5.0	4.3	5.7	5.3	5.3	5.3	5.3	6.0	5.3	5.0	5.4
SILVER SPORT (PST-2CRP)	4.3	4.7	4.3	5.3	5.3	5.0	5.3	5.7	5.7	5.3	5.7	5.4
APR3060	5.0	5.7	5.3	5.3	5.0	5.7	5.0	5.3	5.7	5.7	5.0	5.3
DLFPS-236/3556	5.3	6.3	5.7	5.0	5.7	5.0	5.3	5.0	5.3	5.7	5.7	5.3
GRAY HAWK (PST-2FIND)	4.7	4.7	5.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.0	5.3
GRAY WOLF (PST-2GAL)	5.3	6.3	5.7	5.3	5.7	5.3	5.3	5.3	5.3	5.3	5.0	5.3
INTENSE	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
ALLSTAR III	4.3	5.0	4.3	5.3	5.3	4.7	5.3	5.3	5.3	5.3	5.0	5.2
PST-2BDT	5.7	5.7	5.0	5.0	5.3	5.0	5.0	5.3	5.0	5.3	5.3	5.2
PST-2MAY	5.0	5.3	5.7	5.7	5.0	5.0	5.0	5.0	5.7	5.0	5.3	5.2
ASP0117 (A-PR15)	6.0	5.7	5.3	5.0	5.0	5.0	5.0	5.3	5.0	5.3	5.3	5.1
ASP0218 (A-6D)	5.7	6.7	6.0	5.0	5.7	5.0	5.0	5.0	5.0	5.0	5.0	5.1
BELIZE 2 (GO-142)	5.0	5.7	6.0	5.3	5.0	5.3	5.0	5.0	5.0	5.0	5.0	5.1
GREEN SUPREME+ (AMP-R1)	6.7	6.3	5.3	5.0	5.3	5.3	5.3	5.3	5.3	4.7	4.7	5.1
MRSL-PR16	5.0	4.7	5.0	5.7	5.0	5.0	5.0	5.3	5.0	5.0	5.0	5.1
NEXUS GT (SNX)	5.3	6.0	4.7	5.3	5.0	5.0	5.0	5.0	5.3	5.0	5.0	5.1
PPG-PR 385	5.0	5.0	4.3	5.0	4.7	5.0	5.0	5.0	5.7	5.0	5.3	5.1
RAD-PR 112	6.3	6.0	6.0	5.3	5.7	5.0	4.7	5.0	5.0	5.0	5.0	5.1
ASP0118GL (A-4G)	5.7	5.3	5.3	5.0	5.3	5.0	5.0	5.0	5.0	5.0	4.7	5.0

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2020 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/								QUALITY RATINGS				MEAN
	MAY	WEAR TOLERANCE RATINGS		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
		JULY	OCTOBER										
GO-141	5.0	5.0	4.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
CAYMAN (GO-143)	5.0	5.7	5.0	5.3	5.0	4.7	4.7	5.0	5.0	5.0	4.7	4.9	
FIREBALL (BWH)	6.3	6.0	6.0	5.0	4.7	4.7	4.7	5.0	5.3	5.0	4.7	4.9	
HATRICK (BSP-17)	6.7	6.3	5.7	4.7	4.7	5.0	5.0	5.0	5.0	5.3	4.7	4.9	
SAGUARO	5.0	5.0	4.0	5.3	5.0	4.7	4.7	5.0	5.0	4.7	4.7	4.9	
ASP0116EXT	5.3	4.3	4.7	4.7	5.0	5.0	4.7	5.0	5.0	4.7	4.7	4.8	
GRAND SLAM GLD	5.7	5.7	5.3	4.7	4.3	4.7	5.0	5.0	5.0	5.0	5.0	4.8	
LPB-SD-102	4.7	4.7	4.7	5.0	4.3	5.0	5.0	5.0	5.0	4.7	4.0	4.8	
LPB-SD-103	4.7	5.0	4.7	5.0	4.7	4.7	4.7	5.0	4.7	5.0	4.7	4.8	
PEPPER II (RAD-PR 103)	6.0	5.3	5.0	4.7	4.7	4.7	4.7	4.7	4.7	5.0	5.0	4.8	
CS-6	5.3	5.3	5.0	4.7	4.7	4.7	4.3	4.7	5.0	4.7	4.7	4.7	
JR-747	4.0	4.0	4.0	4.7	4.0	4.7	4.7	4.7	4.7	4.7	4.7	4.6	
JR-888	4.0	4.3	4.0	4.7	4.3	4.3	4.3	5.0	4.7	4.7	4.3	4.5	
LPB-SD-101	4.0	4.3	4.0	4.7	4.3	4.7	4.7	4.7	4.7	4.3	4.3	4.5	
SAVANT	4.3	4.3	4.0	4.3	4.0	4.7	4.7	4.7	5.3	4.3	4.3	4.5	
TEE-ME-UP (BSP-25)	5.0	5.7	5.3	4.7	4.3	4.7	4.3	4.3	4.7	4.3	4.3	4.5	
LPB-SD-104	4.7	4.0	4.0	4.7	4.3	4.3	4.0	4.7	4.7	4.3	4.0	4.4	
MENSA	4.3	4.3	4.0	4.3	4.0	4.3	4.3	4.3	4.7	4.3	4.0	4.3	
LPB-SD-105	4.7	4.0	4.3	4.3	4.0	4.0	4.0	3.7	4.0	4.0	4.0	4.0	
LINN	3.7	3.3	3.3	3.0	3.0	3.7	3.7	3.0	3.0	3.7	3.0	3.3	
LSD VALUE	1.0	1.0	1.0	1.1	0.8	0.9	0.9	0.8	0.7	0.7	0.6	0.6	
C.V. (%)	11.4	11.1	12.0	11.8	9.4	10.2	9.7	9.3	7.9	8.4	7.2	6.8	

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 12.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2020 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
JR-197	7.7	7.3	7.7	7.7	7.3	7.0	6.3	8.0	8.0	7.3	7.0	5.3	5.7	7.1
PPG-PR 367	7.3	7.0	7.3	7.3	7.0	7.0	6.3	7.7	8.0	8.0	7.0	6.3	6.3	7.1
PST-2FOXY	7.3	6.0	6.7	7.0	8.0	7.3	6.3	7.7	8.0	8.0	7.0	6.3	6.7	7.1
ZOOM 2 (DLFPS-236/3545)	7.3	7.0	7.0	6.7	8.0	7.3	6.3	7.7	8.0	7.7	7.0	5.7	5.3	7.0
PHARAOH	7.3	6.7	6.7	6.3	7.7	7.0	6.3	7.7	7.7	7.3	7.0	6.7	6.7	7.0
PPG-PR 422	7.0	6.3	7.3	7.7	7.7	7.3	6.7	7.7	7.7	7.7	7.0	5.3	6.0	7.0
STELLAR 4GL (PPG-PR 424)	7.0	6.7	6.7	6.3	7.7	7.3	6.3	8.0	8.0	8.0	7.0	6.3	6.0	7.0
O2BS1	7.7	6.3	6.7	6.7	7.7	7.0	6.3	7.7	8.0	8.0	7.0	5.7	6.0	6.9
APPLE 3GL (PPG-PR 339)	7.3	6.0	6.7	6.7	7.3	7.3	6.3	8.0	8.0	7.3	7.0	5.7	6.0	6.9
DLFPS-236/3556	7.0	6.0	6.7	6.7	7.7	7.0	6.3	7.7	8.0	7.7	7.0	5.7	6.0	6.9
FURLONG (LTP-FCB)	7.0	6.3	6.7	6.7	7.0	7.0	6.3	7.7	8.0	7.3	7.0	6.3	6.0	6.9
PARAGON 2 GLR (FP2)	7.0	5.7	6.7	7.7	7.3	7.3	6.3	7.3	8.0	7.7	7.0	6.3	6.0	6.9
PPG-PR 421	7.0	6.0	6.7	6.7	7.7	7.0	6.3	8.0	8.0	7.7	6.7	6.0	5.7	6.9
SPIKE GLS (UF3)	7.3	7.3	7.3	6.7	7.7	7.0	6.3	7.7	7.7	7.3	7.0	5.7	5.7	6.9
ALLOY (RRT)	6.7	6.0	6.7	6.7	7.3	7.3	6.3	7.0	7.7	7.7	7.0	6.0	6.0	6.8
ALLSTAR FORE (DLFPS-236/3541)	7.0	5.7	6.3	6.3	8.0	7.0	6.0	7.3	7.7	7.7	7.0	6.0	6.3	6.8
CPN	7.0	6.7	7.0	6.7	7.7	7.3	6.3	7.3	7.3	7.0	6.7	6.0	5.7	6.8
DERBY XTREME	7.3	5.7	6.7	7.0	7.3	6.7	6.0	7.7	8.0	7.3	7.0	6.0	6.0	6.8
DLFPS-236/3546	7.0	6.0	6.3	6.0	7.0	7.0	6.3	7.7	8.0	8.0	7.0	6.0	6.0	6.8
HOMERUN LS (PPG-PR 419)	7.0	7.0	7.0	6.7	7.3	7.0	6.3	7.3	7.3	7.0	7.0	5.3	5.7	6.8
MAN O WAR	7.0	6.0	7.0	7.7	8.0	7.0	6.0	7.7	8.0	7.3	6.7	5.3	5.3	6.8
NP-2	7.0	6.0	6.7	6.7	8.0	7.3	6.3	7.7	7.7	7.3	7.0	5.7	5.7	6.8
NP-3	7.0	5.7	6.3	6.3	7.7	7.0	6.3	8.0	8.0	7.3	7.0	6.0	5.7	6.8
PPG-PR 372	7.3	5.7	6.3	6.7	7.3	7.0	6.0	8.0	8.0	8.0	7.0	5.3	6.0	6.8
PR-6-15	7.0	6.0	7.3	7.7	7.0	6.7	6.3	7.3	7.7	7.7	6.7	5.3	5.7	6.8
PST-2A2	7.0	6.0	6.7	6.7	7.3	7.3	6.3	7.3	7.3	7.3	7.0	6.0	6.0	6.8
O2BS2	7.0	6.0	6.3	6.0	7.3	7.0	6.0	7.7	7.7	7.3	7.0	6.3	6.0	6.7
DLFPS-236/3552	7.0	6.0	6.7	6.7	7.0	7.0	6.3	7.0	7.3	7.3	7.0	6.0	5.7	6.7
GRAND SLAM GLD	7.3	5.7	6.3	6.3	7.3	7.0	6.3	7.3	8.0	7.7	7.0	6.3	5.3	6.7
OVERDRIVE 5G	7.0	6.0	6.3	6.3	7.3	7.0	6.0	8.0	8.0	7.3	7.0	5.7	5.7	6.7
PPG-PR 371	8.0	6.0	6.3	6.3	7.0	7.0	6.0	8.0	8.0	7.7	7.0	5.7	5.3	6.7
PPG-PR 423	7.0	6.0	6.7	7.0	7.3	7.0	6.3	7.7	8.0	7.7	6.7	5.0	5.0	6.7
SILVER SPORT (PST-2CRP)	7.0	6.3	6.7	7.0	7.0	7.0	6.3	7.0	7.3	7.3	7.0	5.3	6.0	6.7
SLUGGER 3GL (PPG-PR 343)	7.0	5.3	6.7	7.3	7.0	7.0	6.0	8.0	8.0	7.3	6.7	5.3	5.7	6.7
UMPQUA	7.0	6.3	7.0	7.3	8.0	7.3	6.3	7.3	7.3	7.0	6.3	5.0	5.0	6.7
MIGHTIER (DLFPS-236/3542)	7.3	6.0	6.3	6.0	7.7	7.0	6.0	8.0	8.0	7.0	6.7	5.7	5.3	6.6
GATOR FORE (DLFPS-236/3544)	7.0	5.7	6.3	6.3	7.7	7.3	6.3	7.0	7.7	7.7	6.7	5.3	5.7	6.6
MYSTIQUE (DLFPS-236/3547)	7.0	6.0	6.0	5.7	6.7	6.7	6.3	7.3	7.7	7.7	6.7	6.3	6.3	6.6
DLFPS-236/3553	7.0	5.0	6.3	7.0	7.7	7.0	6.0	7.0	7.3	7.3	7.0	5.7	5.7	6.6
FASTBALL 3GL (PPG-PR 329)	7.0	6.0	6.0	6.0	7.0	6.7	6.3	8.0	8.0	7.3	6.7	5.7	5.7	6.6
PARADOX GLR (PPG-PR 331)	7.0	5.7	6.3	6.3	7.0	7.0	6.3	7.7	8.0	7.7	6.7	5.3	5.3	6.6
PL2	7.0	6.0	6.3	6.0	7.3	7.0	6.3	7.7	7.7	7.3	6.7	5.3	5.3	6.6
PPG-PR 360	7.0	5.7	6.3	6.3	7.0	6.7	6.0	8.0	8.0	7.3	6.7	5.7	5.0	6.6
SR 4700 (DLFPS-236/3543)	7.0	5.3	6.0	6.3	8.0	7.3	6.3	7.7	7.7	7.0	6.7	5.7	5.7	6.6
SUPERSTAR GL (PPG-PR 420)	7.0	5.7	6.0	6.0	7.3	7.0	6.3	8.0	8.0	7.3	6.7	5.7	5.7	6.6
XCELERATOR	7.0	6.3	7.0	6.7	7.3	7.0	6.3	7.3	7.3	7.0	6.3	5.3	5.0	6.6
APR2616	6.7	5.7	6.7	7.0	7.0	7.0	6.0	7.3	7.3	7.0	6.7	5.0	5.3	6.5

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2020 DATA

NAME	GENETIC COLOR	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/											MEAN	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
ASP0218 (A-6D)	7.0	5.0	6.3	6.7	7.3	7.0	6.3	7.3	7.7	7.3	6.7	5.3	5.3	6.5
BELIZE 2 (GO-142)	7.0	5.7	6.7	7.0	7.7	7.3	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.5
DLFPS-236/3540	6.7	5.7	6.3	6.3	8.0	7.7	6.7	7.3	7.3	7.0	6.0	5.0	5.0	6.5
DLFPS-236/3548	7.3	5.0	6.0	6.3	7.7	7.0	6.0	7.7	8.0	7.3	6.3	5.3	5.0	6.5
GRAY HAWK (PST-2FIND)	7.0	5.0	5.7	6.0	7.3	7.0	6.3	7.7	8.0	7.7	6.3	5.3	5.3	6.5
INTENSE	7.0	5.3	6.0	6.3	7.7	7.0	6.0	7.7	7.7	7.3	6.0	5.7	5.0	6.5
KARMA	7.3	5.3	6.3	6.7	7.3	7.0	6.0	7.3	7.3	7.0	6.7	5.3	5.3	6.5
PPG-PR 370	7.0	5.7	6.3	6.7	7.3	7.0	6.3	7.0	7.3	7.3	6.7	5.3	5.0	6.5
PST-2MAY	7.0	5.0	6.0	6.3	7.3	7.0	6.3	7.0	7.7	7.7	6.7	5.7	5.7	6.5
021	7.0	6.0	6.0	6.0	7.3	7.3	6.3	7.3	7.3	7.0	6.3	5.0	5.3	6.4
023	7.0	5.3	6.3	7.0	7.0	6.7	6.0	7.3	7.3	7.0	6.3	5.3	5.0	6.4
ALLSTAR III	6.7	5.7	6.3	6.3	7.0	7.0	6.0	7.0	7.0	7.0	6.3	5.3	5.3	6.4
APR2612	7.0	5.3	6.3	6.3	6.7	6.7	6.0	7.7	7.7	7.0	6.3	5.0	5.3	6.4
ASP0116EXT	7.0	5.7	6.3	6.3	7.0	6.7	6.3	7.0	7.7	7.3	6.0	5.0	5.3	6.4
ASP0117 (A-PR15)	7.0	5.3	5.7	6.0	7.3	7.0	6.3	7.7	7.7	7.0	6.0	5.0	5.3	6.4
ASP0118GL (A-4G)	7.0	5.3	6.0	6.0	7.0	7.0	6.0	7.7	7.7	7.3	6.7	5.3	5.3	6.4
DLFPS-236/3550	7.0	5.3	6.0	6.3	7.3	7.0	6.3	7.3	7.3	7.0	6.3	5.0	5.0	6.4
FIESTA CINCO (DLFPS-236/3554)	7.0	5.0	5.7	6.0	7.3	7.0	6.3	7.3	7.7	7.3	6.7	5.0	5.0	6.4
FIREBALL (BWH)	7.7	5.3	6.0	6.3	6.7	6.7	6.0	8.0	8.0	7.7	6.7	5.0	5.0	6.4
IVY (PST-2GTD)	7.0	5.3	5.7	6.0	7.0	7.0	6.3	7.0	7.0	7.0	6.3	5.7	6.0	6.4
JR-123	7.0	6.0	6.0	5.7	7.3	6.7	6.0	7.3	7.3	7.0	6.7	5.3	5.0	6.4
LPB-SD-103	6.3	6.0	6.0	5.7	7.3	7.3	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.4
PR-5-16	7.0	5.0	6.0	6.7	7.7	7.3	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.4
PST-2BDT	7.0	5.3	5.7	6.0	7.7	7.0	6.3	7.7	7.7	7.0	6.0	5.0	5.0	6.4
RAD-PR 112	7.0	5.7	6.3	6.7	7.0	7.0	6.0	7.0	7.3	7.0	6.7	5.3	5.3	6.4
SEABISCUIT	6.7	5.0	6.0	6.7	7.0	7.0	6.3	7.0	7.3	7.3	6.3	5.3	5.3	6.4
SHIELD (02BS4)	7.0	5.7	6.3	6.3	7.0	7.0	6.3	7.0	7.0	7.0	6.7	5.3	5.3	6.4
SLIDER LS (PPG-PR 241)	7.0	5.0	6.0	6.3	7.0	6.7	6.0	7.7	8.0	7.3	6.0	5.0	5.3	6.4
SR 4650	7.0	5.7	6.3	6.3	7.0	6.7	6.3	7.3	7.3	7.0	6.3	5.3	5.0	6.4
BAR LP 6164	7.0	5.0	6.0	6.7	7.3	7.0	6.3	7.3	7.0	6.7	6.0	5.0	5.0	6.3
BAR LP 6165	6.0	5.0	6.3	7.0	7.0	7.0	6.3	7.0	7.0	6.7	6.0	5.3	5.0	6.3
CAYMAN (GO-143)	6.0	5.3	6.0	6.0	6.7	7.0	6.3	7.0	7.0	7.0	6.3	5.3	5.3	6.3
CS-6	7.0	5.0	5.7	6.3	7.3	7.0	6.0	7.0	7.3	7.0	6.7	5.0	5.3	6.3
DLFPS-238/3014	6.3	6.0	6.7	7.0	7.0	7.0	6.0	7.0	7.0	6.3	6.0	5.0	5.0	6.3
GO-141	7.0	5.0	6.0	6.3	7.0	7.0	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.3
GRAY WOLF (PST-2GAL)	7.0	5.3	6.0	6.0	7.7	7.0	6.3	7.0	7.0	7.0	6.7	5.0	5.0	6.3
GREEN SUPREME+ (AMP-R1)	7.3	5.3	6.0	6.3	6.7	6.7	6.3	7.3	7.7	7.3	6.0	5.0	5.0	6.3
HATRICK (BSP-17)	7.0	5.7	6.3	6.0	6.7	7.0	6.3	7.3	7.3	7.0	6.0	5.0	5.3	6.3
JR-888	7.0	5.7	6.3	6.3	7.3	7.0	6.3	7.3	7.0	6.3	6.0	5.0	5.0	6.3
LPB-SD-102	6.3	5.7	6.0	6.3	6.7	6.7	6.0	7.3	7.3	7.0	6.0	5.0	5.3	6.3
MENSA	6.3	5.7	6.3	6.3	7.0	7.0	6.3	7.0	7.0	6.7	6.0	5.0	5.0	6.3
PEPPER II (RAD-PR 103)	7.3	5.7	6.3	6.3	6.7	7.0	6.3	7.3	7.0	6.7	6.0	5.3	5.0	6.3
PPG-PR 385	7.0	5.0	5.7	6.0	7.0	6.7	6.0	7.3	7.3	7.0	6.7	5.0	5.3	6.3
PST-2EGAD	7.0	5.0	6.3	7.0	6.7	6.7	6.0	7.0	7.0	7.0	6.0	5.0	5.3	6.3
SIGNET	6.7	5.0	5.7	5.7	7.3	7.0	6.3	7.0	7.3	7.3	6.3	5.0	5.0	6.3
TEE-ME-UP (BSP-25)	7.0	6.0	6.3	6.3	6.7	6.7	6.3	7.0	7.0	7.0	6.0	5.0	5.3	6.3
HELIOS (DLFPS-236/3538)	6.7	5.3	6.0	6.3	7.3	7.0	6.3	7.0	7.0	6.3	6.0	5.0	5.0	6.2

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT CORVALLIS, OR 1/
2020 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
JR-747	6.3	5.0	5.3	5.7	7.3	7.0	6.3	7.0	7.3	7.3	6.0	5.0	5.0	6.2
LPB-SD-101	6.3	6.3	6.7	6.3	6.3	6.3	6.0	7.3	7.0	6.3	6.0	5.0	5.0	6.2
MRSL-PR15	6.7	5.3	6.0	6.3	6.7	6.7	6.3	7.0	7.0	7.0	6.0	5.0	5.3	6.2
MRSL-PR16	6.7	5.7	6.0	5.7	6.7	6.7	6.3	7.0	7.0	7.0	6.3	5.0	5.3	6.2
NEXUS GT (SNX)	7.3	5.3	6.0	6.3	6.7	6.7	6.0	7.3	7.3	7.0	6.0	5.0	5.0	6.2
SAGUARO	7.0	5.0	5.7	6.0	7.0	7.0	6.3	7.3	7.3	7.0	6.0	5.0	5.0	6.2
APR3060	7.0	5.3	5.7	5.7	6.0	6.7	6.3	7.3	7.0	6.7	6.0	5.0	5.0	6.1
BAR LP 6158	7.0	4.7	5.7	6.3	7.0	7.0	6.0	7.3	7.0	6.7	6.0	5.0	5.0	6.1
BAR LP 6162	6.3	5.0	6.3	7.0	6.7	6.7	6.0	6.3	6.3	6.3	6.0	5.0	5.0	6.1
BAR LP 6233	6.7	5.0	6.0	6.0	6.7	6.7	6.3	7.0	7.0	6.3	6.0	5.0	5.0	6.1
BRIGHTSTAR SLT	6.7	5.7	6.3	6.3	7.0	6.7	5.7	6.7	6.7	6.3	5.7	5.0	5.0	6.1
EVOLVE	6.7	5.0	5.7	6.0	6.7	6.7	6.0	7.0	7.0	6.7	6.0	5.0	5.0	6.1
LPB-SD-104	6.3	4.7	5.7	5.7	7.3	7.3	6.3	7.0	7.0	7.0	6.0	4.7	5.0	6.1
PST-2PDA	7.0	5.0	5.7	6.0	7.0	7.0	6.3	7.0	7.0	6.7	6.0	5.0	5.0	6.1
SAVANT	6.3	4.3	5.3	5.7	7.3	7.0	6.3	7.0	7.0	7.0	5.7	5.0	5.0	6.1
BAR LP 6117	7.0	5.0	6.0	6.7	6.3	6.3	6.0	7.0	7.0	6.0	6.0	5.0	5.0	6.0
BAR LP 6159	7.0	4.7	5.7	6.0	6.7	6.7	6.3	7.0	7.0	6.0	5.7	5.0	5.0	6.0
LPB-SD-105	6.7	4.7	5.3	5.7	6.3	6.3	6.3	7.0	7.0	7.0	6.0	5.0	5.0	6.0
BAR LP 6131	6.3	4.3	6.0	6.7	6.7	6.3	5.7	6.7	7.0	6.3	6.0	4.7	4.7	5.9
LINN	5.3	5.0	5.7	6.0	5.7	5.7	5.7	6.0	6.0	5.7	5.3	5.0	4.7	5.5
LSD VALUE	0.8	1.7	1.7	3.0	1.6	1.5	2.0	0.8	0.7	0.7	0.6	0.8	1.0	0.4
C.V. (%)	6.1	13.6	10.5	12.1	8.8	6.3	5.8	5.6	5.4	6.0	5.6	8.7	9.6	4.1

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

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

TABLE 13.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT MADISON, WI 1/
2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DLFPS-236/3556	4.3	5.7	5.3	4.0	5.3	5.7	5.7	5.3	5.2
NP-3	4.3	6.0	5.7	4.7	5.3	5.3	5.0	5.3	5.2
BAR LP 6233	3.7	5.0	5.3	4.7	6.0	5.3	5.3	5.3	5.1
02BS2	4.0	5.7	5.0	4.0	5.3	5.0	6.0	5.3	5.0
SUPERSTAR GL (PPG-PR 420)	3.3	5.3	5.3	4.0	5.7	5.0	5.0	6.0	5.0
JR-197	4.0	6.0	5.7	4.0	4.3	5.0	5.0	5.3	4.9
PPG-PR 421	4.0	4.7	5.7	4.7	5.3	4.7	5.0	5.3	4.9
MYSTIQUE (DLFPS-236/3547)	3.3	4.3	5.0	4.0	5.3	5.3	5.0	5.7	4.8
PPG-PR 367	3.0	5.0	5.3	4.3	5.3	5.0	4.7	5.3	4.8
SLIDER LS (PPG-PR 241)	3.7	5.0	5.0	4.3	5.3	5.0	5.0	5.0	4.8
BAR LP 6165	3.0	4.0	4.3	4.7	5.7	5.0	5.3	5.3	4.7
ZOOM 2 (DLFPS-236/3545)	3.7	5.7	5.3	4.0	4.3	4.7	5.3	4.7	4.7
FIESTA CINCO (DLFPS-236/3554)	3.7	5.0	5.0	4.3	5.0	5.0	4.3	5.3	4.7
PPG-PR 423	3.3	4.7	5.7	4.7	5.0	4.0	5.0	5.0	4.7
DLFPS-238/3014	3.0	4.3	5.3	4.7	5.0	5.0	4.7	5.0	4.6
SAGUARO	3.7	4.7	5.0	4.7	5.0	4.3	5.0	4.7	4.6
021	3.3	5.3	5.3	4.0	4.7	4.0	4.7	4.7	4.5
APR3060	3.0	5.0	4.7	3.7	5.0	4.7	5.0	4.7	4.5
ASP0117 (A-PR15)	3.7	5.3	5.0	4.3	4.7	4.0	4.3	4.3	4.5
DLFPS-236/3548	3.3	4.3	5.0	4.3	5.0	4.7	4.3	4.7	4.5
DLFPS-236/3553	3.0	4.3	5.3	4.0	4.7	5.0	5.0	5.0	4.5
FASTBALL 3GL (PPG-PR 329)	3.7	5.7	5.0	4.0	4.7	4.3	4.7	4.3	4.5
NP-2	4.0	5.7	4.7	4.0	4.3	4.7	4.0	4.3	4.5
PL2	3.3	5.0	5.0	4.0	4.7	4.7	4.7	4.7	4.5
PPG-PR 385	3.3	4.7	4.7	4.3	5.0	4.3	4.3	5.0	4.5
PST-2A2	3.3	4.7	5.0	4.3	4.7	4.3	4.7	4.7	4.5
SR 4700 (DLFPS-236/3543)	3.7	4.7	5.0	4.0	5.3	4.0	4.7	5.0	4.5
023	3.0	5.0	5.3	4.0	4.7	4.3	4.3	4.7	4.4
HELIOS (DLFPS-236/3538)	3.3	5.0	4.7	4.0	5.0	3.7	4.3	5.0	4.4
GATOR FORE (DLFPS-236/3544)	3.3	4.7	5.3	3.7	4.7	4.3	4.3	4.7	4.4
DLFPS-236/3546	3.7	5.3	5.0	3.7	4.0	4.7	4.3	4.3	4.4
LPB-SD-103	3.3	4.7	5.3	4.3	5.0	3.7	4.3	4.3	4.4
OVERDRIVE 5G	3.0	5.0	5.3	4.0	4.3	4.3	4.7	4.3	4.4
STELLAR 4GL (PPG-PR 424)	3.3	4.0	5.3	4.3	4.7	4.3	4.7	4.7	4.4
XCELERATOR	3.3	4.7	4.3	4.0	5.0	5.0	4.7	4.3	4.4
ALLSTAR FORE (DLFPS-236/3541)	3.3	4.3	4.7	4.3	4.7	4.0	4.7	4.7	4.3
BAR LP 6131	2.7	4.0	5.0	4.0	4.3	4.7	5.0	5.0	4.3
HOMERUN LS (PPG-PR 419)	3.0	4.0	4.7	4.7	4.3	4.3	4.3	4.7	4.3
IVY (PST-2GTD)	3.7	5.0	5.0	4.3	4.3	3.7	4.3	4.3	4.3
KARMA	2.7	5.0	5.0	4.3	4.3	4.0	4.3	4.3	4.3
PARADOX GLR (PPG-PR 331)	3.7	4.7	4.3	4.0	4.3	4.3	4.3	4.7	4.3
PST-2FDA	3.3	4.3	4.7	4.0	4.3	4.3	4.7	4.3	4.3
SILVER SPORT (PST-2CRP)	3.7	5.3	5.0	3.7	4.3	4.3	4.0	4.0	4.3
ALLOY (RRT)	3.0	4.7	4.7	4.3	4.7	3.7	4.0	4.3	4.2
ASP0218 (A-6D)	3.3	4.7	4.7	4.0	4.0	4.0	4.0	4.7	4.2
CS-6	2.7	4.3	4.3	4.0	5.0	4.3	4.3	4.7	4.2
INTENSE	3.3	4.3	4.7	4.0	4.0	4.0	4.3	4.7	4.2

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT MADISON, WI 1/
2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								MEAN
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
MAN O WAR	3.0	4.3	4.7	4.0	4.7	4.0	4.3	4.7	4.2
PPG-PR 360	3.0	4.3	4.7	4.0	4.3	4.3	4.3	4.3	4.2
PPG-PR 422	3.3	4.3	5.0	4.0	4.0	4.0	4.3	4.7	4.2
SAVANT	3.0	4.7	5.0	4.0	4.7	4.0	4.3	4.0	4.2
UMPQUA	3.3	5.0	5.3	3.7	4.3	3.7	4.0	4.3	4.2
02BS1	3.0	5.0	4.3	3.7	4.3	3.3	4.7	4.7	4.1
FURLONG (LTP-FCB)	3.0	4.3	4.7	3.7	4.7	4.3	4.3	3.7	4.1
PARAGON 2 GLR (FP2)	2.7	4.7	4.7	4.0	4.3	3.7	4.0	4.7	4.1
PR-5-16	3.3	4.3	4.7	3.7	4.3	4.0	4.3	4.3	4.1
PST-2EGAD	3.3	4.7	4.0	4.0	4.3	4.0	4.3	4.3	4.1
SPIKE GLS (UF3)	3.3	4.0	4.7	4.0	4.7	3.7	4.0	4.3	4.1
APR2612	3.0	4.0	4.7	4.0	4.3	3.7	4.0	4.0	4.0
APR2616	2.7	4.3	4.3	4.0	4.3	3.7	4.7	4.3	4.0
CPN	2.7	4.0	4.3	4.0	4.7	3.7	4.0	4.7	4.0
EVOLVE	3.0	4.7	4.7	4.0	4.0	3.7	4.0	4.3	4.0
GRAY WOLF (PST-2GAL)	3.0	4.0	4.0	3.7	4.0	4.0	4.7	4.7	4.0
LPB-SD-101	2.7	4.7	4.3	3.3	5.0	3.7	4.3	4.0	4.0
MRSI-PR16	3.0	4.3	4.7	4.0	4.3	3.7	4.0	4.0	4.0
PHARAOH	3.3	4.3	4.3	3.7	4.0	3.7	4.0	4.3	4.0
PPG-PR 370	3.0	4.0	4.3	3.7	4.3	4.0	4.0	4.3	4.0
PPG-PR 372	2.7	3.7	4.3	4.3	4.3	4.0	4.3	4.0	4.0
PR-6-15	2.7	4.0	5.0	4.3	4.3	3.7	4.0	4.0	4.0
PST-2BDT	3.3	4.0	4.7	4.0	4.0	4.0	4.3	4.0	4.0
SIGNET	3.0	4.0	5.0	3.7	4.7	3.7	4.0	4.0	4.0
BAR LP 6164	3.0	4.3	4.3	4.0	4.0	3.7	4.0	4.0	3.9
DLFPS-236/3540	2.7	4.7	4.3	3.7	4.3	3.3	4.0	4.0	3.9
GO-141	3.0	4.7	4.0	4.0	4.0	3.7	4.0	4.0	3.9
PPG-PR 371	3.0	4.0	4.0	4.0	4.7	3.7	3.7	4.0	3.9
PST-2FOXY	2.7	4.0	4.0	3.7	4.3	4.3	4.0	4.0	3.9
APPLE 3GL (PPG-PR 339)	3.0	4.7	4.0	3.7	4.0	3.0	3.7	4.3	3.8
DERBY XTREME	2.7	3.7	5.0	3.7	4.0	4.0	3.7	4.0	3.8
MIGHTIER (DLFPS-236/3542)	3.0	4.0	4.7	3.3	4.3	3.3	3.7	3.7	3.8
DLFPS-236/3552	3.0	4.3	4.0	4.0	4.3	3.0	3.3	4.0	3.8
SEABISCUIT	3.3	4.3	4.0	3.7	4.0	3.3	3.7	4.0	3.8
TEE-ME-UP (BSP-25)	3.0	3.7	4.3	3.3	4.0	3.7	4.3	4.0	3.8
BAR LP 6158	2.7	3.7	4.3	3.7	4.0	3.7	3.7	4.0	3.7
GRAY HAWK (PST-2FIND)	2.7	3.7	4.0	3.7	4.0	3.3	3.7	4.3	3.7
JR-888	2.3	4.3	4.3	3.7	4.3	3.3	3.7	3.7	3.7
PST-2MAY	3.0	4.0	4.3	3.7	4.0	2.7	3.7	4.0	3.7
SHIELD (02BS4)	3.3	4.0	3.7	3.7	4.3	3.0	4.0	3.7	3.7
SR 4650	3.0	4.0	4.3	4.0	4.0	3.0	3.7	3.7	3.7
BAR LP 6159	2.3	3.7	4.0	3.7	4.7	3.3	3.3	3.7	3.6
BELIZE 2 (GO-142)	2.7	3.7	4.0	3.7	4.3	3.0	3.7	3.7	3.6
BRIGHTSTAR SLT	3.0	3.7	4.3	3.7	4.0	3.0	3.7	3.3	3.6
HATRICK (BSP-17)	3.0	4.0	4.0	3.7	4.0	3.3	3.3	3.3	3.6
DLFPS-236/3550	2.7	4.0	3.7	4.0	4.0	3.0	3.3	3.3	3.5
FIREBALL (BWH)	2.7	3.3	4.0	3.7	3.3	3.3	3.7	3.7	3.5

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT MADISON, WI 1/
2020 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/								
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
GRAND SLAM GLD	2.7	3.7	3.3	3.3	3.7	3.3	4.0	4.0	3.5
MRSL-PR15	2.7	4.0	3.7	3.3	3.3	3.3	4.0	4.0	3.5
NEXUS GT (SNX)	2.3	4.0	4.3	3.3	4.0	3.0	3.3	3.3	3.5
PEPPER II (RAD-PR 103)	2.7	4.3	3.3	3.3	3.7	3.0	4.3	3.7	3.5
GREEN SUPREME+ (AMP-R1)	2.3	4.0	3.3	3.3	3.3	3.3	4.0	3.3	3.4
MENSA	2.7	4.0	3.7	3.3	3.7	3.0	3.3	3.7	3.4
ALLSTAR III	2.0	4.0	4.0	3.3	3.7	3.0	3.3	3.3	3.3
BAR LP 6117	2.0	3.7	3.3	3.3	4.0	3.0	3.7	3.7	3.3
JR-123	2.3	3.0	4.0	3.7	4.0	2.7	3.3	3.7	3.3
ASP0116EXT	2.0	3.7	3.7	3.3	3.7	3.0	3.0	3.3	3.2
ASP0118GL (A-4G)	2.3	4.0	3.3	3.3	3.7	2.7	2.7	3.7	3.2
LPB-SD-105	2.0	3.7	3.7	3.0	3.3	3.0	3.7	3.3	3.2
CAYMAN (GO-143)	2.7	3.3	3.3	3.3	3.0	2.7	3.0	3.3	3.1
LPB-SD-104	2.0	3.0	3.3	2.3	3.3	3.0	3.3	3.3	3.0
LPB-SD-102	1.7	3.3	4.0	3.0	3.3	2.3	3.0	2.7	2.9
RAD-PR 112	2.3	3.7	3.3	3.0	3.0	2.3	3.0	2.7	2.9
SLUGGER 3GL (PPG-PR 343)	2.3	3.0	3.7	3.0	2.7	2.7	3.0	3.0	2.9
BAR LP 6162	2.0	2.7	3.0	3.3	3.3	2.3	3.0	3.0	2.8
JR-747	1.7	2.7	3.3	3.0	3.0	2.7	3.0	3.0	2.8
LINN	2.0	2.3	2.3	3.0	3.0	2.0	2.3	2.7	2.5
LSD VALUE	1.2	2.5	1.7	1.7	1.6	1.4	1.6	1.5	1.1
C.V. (%)	20.8	22.5	18.5	16.2	17.8	20.9	18.9	18.6	15.2

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 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2020 DATA

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

NAME	QUALITY RATINGS							MEAN
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	
PPG-PR 370	5.3	6.7	8.0	6.7	5.0	7.0	5.7	6.5
PPG-PR 423	5.3	7.0	7.3	7.3	5.0	6.7	5.7	6.5
FURLONG (LTP-FCB)	6.0	6.7	6.7	6.3	6.0	6.3	6.3	6.4
NP-2	6.0	6.7	6.7	6.3	5.7	7.0	6.0	6.4
SLUGGER 3GL (PPG-PR 343)	5.7	6.3	7.0	6.7	6.0	6.7	6.0	6.4
GATOR FORE (DLFPS-236/3544)	6.0	7.3	6.0	6.3	5.3	6.3	6.3	6.3
PST-2MAY	5.0	6.0	7.0	6.7	5.3	6.7	6.0	6.3
SUPERSTAR GL (PPG-PR 420)	4.7	6.3	7.0	6.7	5.3	6.7	6.0	6.3
DLFPS-236/3540	3.7	6.0	6.7	6.3	5.7	7.0	5.7	6.2
MIGHTIER (DLFPS-236/3542)	5.0	6.3	7.3	6.7	4.7	6.0	6.3	6.2
MYSTIQUE (DLFPS-236/3547)	6.0	6.3	6.3	6.7	5.7	6.0	6.0	6.2
INTENSE	5.3	6.0	6.3	6.0	5.3	7.0	6.3	6.2
PST-2A2	5.3	6.3	6.3	7.0	5.3	6.3	5.7	6.2
ALLOY (RRT)	5.0	6.0	7.3	6.3	4.7	6.0	6.0	6.1
APR2616	5.0	6.0	6.7	6.7	5.0	6.3	5.7	6.1
LPB-SD-102	4.0	6.0	7.3	6.0	5.7	6.0	5.7	6.1
MRSI-PR16	5.7	6.0	6.0	5.3	4.7	8.3	6.0	6.1
NP-3	5.3	6.3	6.0	6.3	5.7	6.3	5.7	6.1
PARADOX GLR (PPG-PR 331)	5.3	6.0	6.7	6.3	5.0	6.3	6.3	6.1
PPG-PR 371	6.0	6.3	6.7	6.3	5.0	6.0	6.0	6.1
PPG-PR 422	6.0	6.7	7.0	5.7	5.0	6.0	6.0	6.1
SPIKE GLS (UF3)	5.7	6.3	6.3	5.3	5.3	6.7	6.3	6.1
STELLAR 4GL (PPG-PR 424)	5.3	6.0	6.3	6.7	6.0	6.0	5.7	6.1
ALLSTAR FORE (DLFPS-236/3541)	5.3	6.3	5.7	5.7	5.3	6.7	6.3	6.0
GRAND SLAM GLD	5.3	6.7	6.7	5.7	4.7	6.3	6.0	6.0
HATRICK (BSP-17)	5.7	6.3	7.3	5.3	5.3	6.0	5.7	6.0
HOMERUN LS (PPG-PR 419)	5.7	6.0	7.0	6.3	4.7	6.0	6.0	6.0
021	6.0	5.7	6.0	6.7	4.7	6.3	6.0	5.9
DLFPS-236/3550	5.0	6.3	7.0	5.7	5.0	6.0	5.7	5.9
DLFPS-236/3553	6.0	6.3	6.0	6.0	5.0	6.7	5.7	5.9
FIESTA CINCO (DLFPS-236/3554)	6.0	6.0	7.0	6.7	5.0	5.7	5.3	5.9
GRAY WOLF (PST-2GAL)	5.3	6.3	6.0	6.0	4.3	6.3	6.3	5.9
KARMA	5.7	6.3	6.7	6.0	5.3	5.7	5.3	5.9
MAN O WAR	4.7	6.0	5.7	6.0	5.3	6.3	6.0	5.9
PARAGON 2 GLR (FP2)	4.7	6.0	6.7	6.0	4.7	6.3	6.0	5.9
PPG-PR 367	5.7	6.3	6.0	5.7	5.3	6.0	6.0	5.9
PR-5-16	5.3	6.0	6.7	5.7	4.7	6.3	6.0	5.9
SILVER SPORT (PST-2CRP)	5.3	6.0	5.7	6.0	6.3	6.0	5.7	5.9
SLIDER LS (PPG-PR 241)	5.7	6.3	6.7	5.0	4.7	7.0	5.7	5.9
SR 4700 (DLFPS-236/3543)	5.3	6.0	6.3	6.0	4.7	6.7	5.7	5.9
UMPQUA	5.0	6.3	6.3	5.7	5.0	6.0	6.0	5.9
CS-6	5.0	6.0	6.7	5.3	4.3	7.0	5.3	5.8
HELIOS (DLFPS-236/3538)	5.3	6.0	6.3	5.7	5.0	6.0	5.7	5.8
ZOOM 2 (DLFPS-236/3545)	5.7	6.7	5.7	6.0	4.3	6.3	5.7	5.8
DLFPS-236/3556	5.3	5.3	6.3	5.7	5.0	6.7	6.0	5.8
GO-141	4.7	6.3	6.3	5.3	4.3	6.7	5.7	5.8
JR-197	5.0	6.7	5.7	6.0	4.7	5.7	6.0	5.8

TABLE 14.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2020 DATA

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

NAME	QUALITY RATINGS							
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
NEXUS GT (SNX)	5.3	6.3	7.0	5.0	4.3	6.3	6.0	5.8
OVERDRIVE 5G	5.3	6.3	6.7	6.0	5.0	5.3	5.7	5.8
PPG-PR 372	5.3	6.7	6.7	5.3	4.0	6.0	6.0	5.8
PR-6-15	5.7	6.0	6.7	6.0	5.0	5.3	6.0	5.8
SAVANT	4.3	5.0	5.7	6.3	6.3	6.0	5.3	5.8
023	5.7	5.7	6.3	6.0	4.7	5.7	6.0	5.7
02BS2	5.7	5.7	6.0	5.7	4.7	6.0	6.0	5.7
APPLE 3GL (PPG-PR 339)	5.7	6.3	6.0	5.3	4.7	5.7	6.0	5.7
ASP0116EXT	6.0	7.0	6.0	5.7	4.7	5.7	5.0	5.7
ASP0117 (A-PR15)	5.7	6.0	5.3	5.3	5.0	7.0	5.3	5.7
BAR LP 6164	5.0	6.0	6.3	5.7	5.0	6.3	5.0	5.7
CPN	6.7	5.3	6.3	5.3	5.3	6.0	6.0	5.7
DLFPS-236/3546	5.3	5.3	6.3	6.3	4.7	5.7	6.0	5.7
FASTBALL 3GL (PPG-PR 329)	6.3	6.0	6.3	5.7	4.3	6.0	6.0	5.7
FIREBALL (BWH)	6.7	6.3	6.7	5.3	4.3	6.0	5.7	5.7
GRAY HAWK (PST-2FIND)	5.0	6.3	6.0	5.7	4.3	6.3	5.3	5.7
IVY (PST-2GTD)	6.0	6.0	6.0	5.0	5.3	6.0	5.7	5.7
LPB-SD-103	4.7	5.0	6.7	5.7	5.7	6.0	5.3	5.7
MRS-L-PR15	5.7	5.7	6.7	5.3	4.3	6.0	6.0	5.7
PPG-PR 360	5.7	6.0	6.7	5.7	4.7	5.7	5.7	5.7
PST-2FOXY	6.0	6.3	5.7	5.3	5.3	6.3	5.3	5.7
RAD-PR 112	6.3	6.3	6.0	5.0	4.3	6.0	6.3	5.7
SIGNET	5.0	6.0	6.7	5.3	5.0	5.7	5.7	5.7
TEE-ME-UP (BSP-25)	6.0	6.3	6.7	5.0	4.0	6.0	6.0	5.7
ASPO218 (A-6D)	5.7	5.3	6.3	5.7	4.7	6.0	5.3	5.6
DERBY XTREME	5.3	6.3	5.7	5.3	4.7	5.7	6.0	5.6
DLFPS-236/3552	5.7	6.0	6.7	6.0	4.0	5.3	5.7	5.6
GREEN SUPREME+ (AMP-R1)	5.3	6.7	6.0	5.3	3.7	6.3	5.7	5.6
JR-123	5.7	6.0	6.0	5.0	5.0	5.7	6.0	5.6
JR-747	4.0	4.7	6.7	6.3	5.3	5.3	5.0	5.6
LPB-SD-101	5.0	4.7	6.3	6.0	4.7	5.7	6.0	5.6
LPB-SD-104	5.0	4.7	6.7	6.3	6.0	4.7	5.3	5.6
LPB-SD-105	4.0	4.3	7.3	6.7	5.3	5.0	5.0	5.6
MENSA	5.3	4.7	7.0	6.0	5.0	5.0	5.7	5.6
PL2	6.0	7.0	5.0	5.3	4.3	6.3	5.3	5.6
SAGUARO	5.0	5.0	6.0	6.7	5.0	5.3	5.3	5.6
SEABISCUIT	5.0	5.7	6.0	5.3	4.7	6.7	5.3	5.6
ALLSTAR III	5.3	6.0	6.0	4.7	4.3	6.0	6.0	5.5
APR2612	4.7	6.7	5.7	5.7	4.7	6.0	4.3	5.5
PPG-PR 421	6.3	5.7	6.3	4.3	5.0	5.7	6.0	5.5
PST-2BDT	5.3	6.3	6.0	5.3	4.0	5.7	5.7	5.5
02BS1	6.3	5.3	6.0	4.7	4.3	6.3	6.0	5.4
BRIGHTSTAR SLT	5.3	6.0	5.3	5.7	4.3	6.0	5.3	5.4
PEPPER II (RAD-PR 103)	5.7	6.7	6.7	5.3	3.3	5.3	5.3	5.4
PPG-PR 385	5.7	6.0	5.7	5.3	4.0	6.0	5.3	5.4
SR 4650	6.0	6.0	6.0	5.0	4.0	6.0	5.7	5.4
XCELERATOR	5.7	5.7	6.0	5.7	4.7	5.0	5.7	5.4

TABLE 14.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/
2020 DATA

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

NAME	QUALITY RATINGS							
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
APR3060	5.0	6.0	5.7	5.3	4.3	5.3	5.0	5.3
ASP0118GL (A-4G)	5.3	6.3	5.7	4.3	4.0	5.7	5.7	5.3
BAR LP 6117	5.0	5.7	6.7	5.3	4.3	5.3	4.7	5.3
BELIZE 2 (GO-142)	6.0	5.7	5.7	5.3	3.7	6.0	5.3	5.3
DLFPS-236/3548	6.0	6.0	4.3	6.0	5.3	5.0	5.3	5.3
JR-888	5.0	5.0	6.3	5.3	5.0	5.0	5.3	5.3
PHARAOH	6.3	5.3	6.0	5.0	4.0	5.7	6.0	5.3
PST-2PDA	5.3	5.3	5.3	5.3	4.3	5.7	5.0	5.2
SHIELD (02BS4)	6.0	5.0	6.0	5.7	3.7	5.0	5.7	5.2
PST-2EGAD	5.7	5.7	5.3	4.7	3.7	5.7	5.7	5.1
BAR LP 6131	5.3	5.0	5.7	4.7	4.0	5.3	4.7	4.9
BAR LP 6158	5.0	5.0	5.7	5.0	3.7	5.7	4.3	4.9
DLFPS-238/3014	4.7	5.0	5.0	4.7	4.7	5.0	5.0	4.9
EVOLVE	6.0	5.3	5.3	5.0	3.7	5.3	5.0	4.9
BAR LP 6159	4.7	5.7	6.0	4.0	3.3	5.3	4.7	4.8
BAR LP 6162	4.3	4.7	5.3	5.0	4.3	5.3	4.3	4.8
BAR LP 6233	4.7	5.0	5.0	4.3	4.0	5.3	4.7	4.7
BAR LP 6165	3.7	4.3	4.7	4.0	3.0	3.7	3.7	3.9
CAYMAN (GO-143)	3.0	5.7	3.7	3.3	2.7	3.7	3.3	3.7
LINN	2.0	2.0	2.7	2.7	2.3	3.0	3.0	2.6
LSD VALUE	2.1	1.0	2.0	1.6	1.6	1.5	1.2	0.7
C.V. (%)	17.2	10.2	15.1	14.8	17.7	13.3	11.4	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 15.

PERCENT RECOVERY RATINGS FROM DIVOTS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT LEXINGTON, KY 1/
2020 DATA 2/

NAME	MARCH 20	APRIL 22	MAY 6	MAY 20	JUNE 2	JUNE 17	JUNE 30	JULY 15	AUGUST 4	AUGUST 19	MEAN
DLFPS-236/3556	95.0	89.3	93.3	95.7	90.0	89.3	96.0	94.0	96.0	93.3	93.2
DLFPS-236/3546	93.0	89.0	92.3	94.3	91.0	89.0	95.3	96.0	91.7	90.3	92.2
PST-2FOXY	94.3	86.7	93.3	96.3	91.3	88.0	93.7	92.7	93.3	92.3	92.2
SUPERSTAR GL (PPG-PR 420)	93.3	88.3	93.7	94.7	90.3	88.3	92.7	93.3	93.3	91.7	92.0
ALLSTAR FORE (DLFPS-236/3541)	92.7	89.3	93.3	95.0	89.3	89.3	92.0	93.0	92.0	92.7	91.9
MYSTIQUE (DLFPS-236/3547)	92.3	90.7	92.3	95.3	89.3	87.3	93.3	93.0	92.7	92.3	91.9
PARADOX GLR (PPG-PR 331)	90.7	91.3	91.7	96.7	91.7	87.7	94.7	92.3	91.3	90.0	91.8
023	93.7	90.3	91.3	95.7	89.7	86.7	91.7	91.7	90.0	95.3	91.6
021	90.3	88.7	89.0	94.0	89.3	89.3	93.7	92.3	95.0	93.7	91.5
GATOR FORE (DLFPS-236/3544)	95.0	89.7	93.7	96.3	89.7	84.7	92.0	94.0	90.0	89.7	91.5
FASTBALL 3GL (PPG-PR 329)	92.7	88.3	90.0	96.0	89.3	90.0	94.7	93.7	91.0	89.3	91.5
GRAY WOLF (PST-2GAL)	93.7	85.0	91.7	95.7	89.7	89.7	95.7	93.3	90.7	90.0	91.5
PPG-PR 421	94.0	88.0	91.0	95.0	88.0	88.0	94.7	96.0	91.0	89.7	91.5
ZOOM 2 (DLFPS-236/3545)	92.7	91.0	94.0	94.3	89.0	86.7	91.7	90.3	92.3	92.0	91.4
SLIDER LS (PPG-PR 241)	94.0	87.0	92.0	97.0	86.7	87.7	95.0	92.3	90.0	92.0	91.4
SR 4650	94.3	90.7	93.0	96.7	91.7	89.3	90.3	88.0	90.7	89.3	91.4
DERBY XTREME	93.3	89.7	92.0	95.0	88.0	85.3	92.7	91.7	93.0	92.7	91.3
ASP0117 (A-PR15)	91.7	88.0	90.7	96.3	90.3	88.0	93.0	91.3	90.0	92.3	91.2
BAR LP 6233	92.0	88.3	91.3	95.0	88.0	85.3	93.3	91.7	92.3	94.7	91.2
FIESTA CINCO (DLFPS-236/3554)	93.3	87.3	91.0	94.7	87.7	90.7	92.7	93.0	90.3	91.7	91.2
STELLAR 4GL (PPG-PR 424)	94.0	90.7	91.3	94.0	88.7	86.3	93.0	91.3	91.7	91.0	91.2
JR-888	91.7	87.3	92.7	95.7	90.7	88.3	93.0	89.3	88.7	94.0	91.1
BAR LP 6165	94.7	88.3	92.0	94.7	91.7	90.7	90.7	85.7	86.0	94.3	90.9
MIGHTIER (DLFPS-236/3542)	93.7	88.0	91.3	94.0	86.7	85.3	91.0	92.7	93.0	93.3	90.9
DLFPS-236/3550	94.0	88.7	92.0	96.7	87.0	87.0	94.7	92.7	86.0	90.0	90.9
DLFPS-236/3553	94.0	87.7	93.0	96.7	91.0	89.0	91.7	92.0	85.0	88.7	90.9
HOMERUN LS (PPG-PR 419)	93.0	88.0	91.3	97.7	87.7	88.7	93.7	93.3	87.0	88.3	90.9
DLFPS-236/3552	93.0	91.3	93.7	97.0	87.3	85.7	91.3	89.3	90.3	89.0	90.8
PR-5-16	92.7	87.0	91.7	94.7	86.3	87.7	94.0	92.7	91.0	90.3	90.8
SR 4700 (DLFPS-236/3543)	92.3	90.0	91.7	96.3	87.0	86.0	93.0	91.0	90.7	88.7	90.7
BAR LP 6164	92.7	86.7	90.7	94.0	88.3	87.3	92.0	92.7	89.0	92.7	90.6
JR-197	92.3	87.3	90.7	95.0	86.0	85.7	93.7	92.7	91.0	91.7	90.6
ALLOY (RRT)	92.3	88.3	93.0	95.7	89.0	86.0	91.3	89.3	89.0	90.7	90.5
NP-3	93.0	90.0	92.3	92.3	89.0	89.3	95.0	92.3	84.3	87.3	90.5
SHIELD (02BS4)	93.3	90.7	93.7	96.0	86.7	85.0	93.0	91.3	88.0	87.7	90.5
APR2616	93.3	88.0	90.7	92.3	86.0	86.3	92.7	92.3	92.3	88.7	90.3
ASP0118GL (A-4G)	92.7	87.0	88.3	95.3	85.7	83.0	91.7	93.7	92.7	93.3	90.3
DLFPS-236/3540	92.7	87.7	91.3	95.0	84.0	84.3	93.3	93.3	91.7	90.0	90.3
JR-123	92.0	87.0	92.3	95.0	86.0	84.7	90.7	90.3	91.0	94.0	90.3
PARAGON 2 GLR (FP2)	93.0	86.0	90.7	93.3	88.7	89.3	94.7	93.3	87.3	86.7	90.3
PPG-PR 422	91.3	90.7	90.7	94.7	86.7	85.7	90.7	89.3	90.3	93.0	90.3
TEE-ME-UP (BSP-25)	91.7	87.3	90.3	94.0	88.3	86.7	92.3	90.3	91.3	91.0	90.3
02BS1	92.7	87.7	91.3	96.0	88.0	85.7	95.3	92.7	86.7	86.3	90.2
02BS2	93.7	88.7	89.7	92.3	88.3	86.7	92.7	93.7	90.3	85.7	90.2
PR-6-15	94.0	90.7	91.3	97.7	86.3	80.7	91.7	92.3	90.0	87.7	90.2
XCELERATOR	94.0	89.0	91.3	95.0	88.7	84.7	93.0	92.3	90.0	84.0	90.2
EVOLVE	92.7	87.3	90.3	93.0	87.3	88.3	92.7	90.3	90.0	88.7	90.1
PPG-PR 372	93.3	89.0	93.3	94.0	90.3	84.7	92.0	87.7	87.7	89.3	90.1

TABLE 15.
(CONT'D)PERCENT RECOVERY RATINGS FROM DIVOTS OF PERENNIAL RYEGRASS CULTIVARSS
GROWN AT LEXINGTON, KY 1/
2020 DATA 2/

NAME	MARCH 20	APRIL 22	MAY 6	MAY 20	JUNE 2	JUNE 17	JUNE 30	JULY 15	AUGUST 4	AUGUST 19	MEAN
NP-2	92.7	89.7	91.0	93.7	89.3	85.0	92.7	88.7	90.3	87.0	90.0
PST-2BDT	93.7	85.3	91.0	95.7	87.7	87.0	92.0	90.3	88.3	88.7	90.0
IVY (PST-2GTD)	94.3	88.3	92.0	93.7	90.0	88.0	92.0	83.0	89.3	88.0	89.9
SILVER SPORT (PST-2CRP)	92.0	87.3	89.7	92.7	85.3	85.0	91.3	91.0	92.3	92.0	89.9
PL2	92.3	87.3	90.3	96.3	85.3	83.0	90.7	88.0	92.7	92.0	89.8
SEABISCUIT	92.7	85.3	90.0	93.7	89.3	85.7	93.7	89.7	92.0	86.3	89.8
UMPQUA	92.0	87.7	92.3	95.3	86.7	86.0	93.7	91.0	84.7	88.3	89.8
APR3060	93.7	87.3	92.3	94.7	85.3	84.3	90.7	91.3	89.7	87.7	89.7
HELIOS (DLFPS-236/3538)	92.0	87.3	91.0	95.0	85.7	85.0	90.3	90.0	90.7	89.7	89.7
GRAY HAWK (PST-2FIND)	93.3	91.3	95.3	96.3	89.3	83.7	89.3	88.3	88.0	82.0	89.7
RAD-PR 112	94.3	86.3	90.0	95.7	89.0	85.0	91.0	89.0	85.3	90.7	89.6
APR2612	93.0	87.0	89.7	94.7	84.3	86.0	93.0	91.7	87.3	88.7	89.5
OVERDRIVE 5G	92.0	86.0	87.3	94.7	85.0	84.7	95.3	93.3	88.0	89.0	89.5
PPG-PR 360	92.0	86.7	88.7	94.7	85.3	87.3	91.3	90.7	89.3	89.0	89.5
ASPO218 (A-6D)	93.7	90.3	91.0	93.7	83.3	85.0	90.0	91.7	85.3	89.7	89.4
BAR LP 6159	91.0	87.7	89.3	92.3	88.0	87.0	90.0	90.0	85.7	93.0	89.4
SAGUARO	92.0	89.3	92.3	94.3	87.3	85.3	89.3	84.3	89.0	91.0	89.4
SAVANT	92.7	87.3	91.7	95.7	87.3	86.0	88.7	87.0	85.3	92.3	89.4
LPB-SD-103	91.3	86.7	91.3	92.3	90.7	86.7	89.7	87.0	83.7	93.3	89.3
PST-2A2	93.7	87.3	90.3	94.0	87.0	87.7	90.7	87.0	85.3	89.7	89.3
SLUGGER 3GL (PPG-PR 343)	91.7	89.7	92.3	92.3	88.7	84.0	89.3	91.3	86.0	87.3	89.3
SPIKE GLS (UF3)	92.3	86.3	89.0	94.7	87.3	86.0	93.7	88.7	86.3	88.3	89.3
CS-6	90.7	87.7	91.3	95.0	85.7	85.0	91.3	90.7	85.7	89.3	89.2
LPB-SD-105	91.3	86.7	91.3	93.3	90.7	85.7	87.7	87.3	85.0	93.3	89.2
MRSI-PR16	92.3	87.0	89.0	96.0	85.0	83.3	90.3	85.7	91.3	92.3	89.2
PPG-PR 367	93.0	86.0	90.3	95.3	89.3	83.0	94.0	90.3	85.0	85.7	89.2
PPG-PR 370	95.0	88.0	91.0	97.3	88.3	86.3	89.3	87.0	86.7	83.0	89.2
BAR LP 6117	93.0	88.0	91.0	94.7	87.0	86.3	90.0	90.3	82.0	88.3	89.1
CPN	90.3	87.3	89.3	91.7	88.0	87.7	90.0	88.7	88.7	89.7	89.1
FURLONG (LTP-FCB)	94.7	91.0	93.7	94.7	86.0	86.0	92.0	91.3	79.3	81.7	89.0
INTENSE	93.7	87.7	93.0	94.7	86.0	82.3	89.7	87.7	87.3	87.7	89.0
ALLSTAR III	93.7	86.3	90.7	95.7	88.7	87.3	91.7	87.3	85.3	82.0	88.9
CAYMAN (GO-143)	93.0	86.7	90.3	95.3	89.0	89.3	91.3	88.0	83.0	83.3	88.9
DLFPS-236/3548	92.7	86.7	90.0	93.0	88.3	83.7	91.0	90.0	85.3	88.3	88.9
APPLE 3GL (PPG-PR 339)	91.7	86.3	89.7	93.3	84.3	83.3	92.0	90.7	87.0	89.7	88.8
SIGNET	91.0	89.0	92.0	96.0	87.7	87.7	88.7	85.7	81.7	88.0	88.7
BAR LP 6158	92.7	87.0	91.3	94.3	84.7	83.7	91.7	90.3	81.0	88.7	88.5
PST-2MAY	92.3	86.3	90.3	94.7	87.0	84.3	91.0	88.0	85.0	85.7	88.5
ASPO116EXT	92.3	86.7	91.7	96.3	85.7	84.3	85.0	85.7	85.7	89.7	88.3
LPB-SD-101	89.0	84.7	89.3	94.3	86.0	82.7	90.0	89.3	84.3	92.0	88.2
PST-2EGAD	92.3	82.0	87.0	91.0	84.0	84.3	90.3	93.7	89.3	88.0	88.2
PHARAOH	90.3	83.0	88.3	95.3	86.3	85.0	90.3	86.3	87.0	88.7	88.1
JR-747	90.7	88.3	93.3	95.0	91.7	88.0	90.7	85.7	69.7	86.7	88.0
MAN O WAR	90.7	84.3	88.0	93.0	88.7	81.7	89.0	90.3	85.7	88.3	88.0
GO-141	93.7	88.0	90.3	94.3	87.7	84.0	89.7	81.3	83.0	87.3	87.9
MRSI-PR15	91.7	85.3	88.0	95.3	85.7	84.7	89.3	84.0	86.7	88.3	87.9
NEXUS GT (SNX)	93.3	87.3	90.7	94.0	85.3	81.7	92.3	88.3	82.7	83.3	87.9
BAR LP 6131	90.3	88.0	91.3	97.3	87.0	85.0	90.0	81.7	78.3	88.3	87.7

TABLE 15.
(CONT'D)

PERCENT RECOVERY RATINGS FROM DIVOTS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT LEXINGTON, KY 1/
2020 DATA 2/

NAME	MARCH 20	APRIL 22	MAY 6	MAY 20	JUNE 2	JUNE 17	JUNE 30	JULY 15	AUGUST 4	AUGUST 19	MEAN
BELIZE 2 (GO-142)	90.0	86.3	88.3	93.3	87.7	83.7	89.0	86.0	83.3	89.0	87.7
FIREBALL (BWH)	94.0	88.3	91.0	94.3	81.7	77.7	84.7	87.7	87.3	89.7	87.6
GREEN SUPREME+ (AMP-R1)	92.7	87.0	91.3	93.0	83.7	83.0	89.3	83.7	83.3	88.3	87.5
LPB-SD-104	90.0	85.3	89.3	92.7	85.0	80.0	88.0	86.7	85.3	93.0	87.5
PPG-PR 385	91.3	87.0	88.7	92.3	84.3	81.0	88.3	83.7	89.0	89.7	87.5
PST-2PDA	89.0	83.3	87.7	94.3	84.3	84.7	91.7	85.7	84.3	90.0	87.5
DLFPS-238/3014	93.0	84.3	90.7	94.3	85.7	83.3	89.3	85.7	79.3	88.3	87.4
PEPPER II (RAD-PR 103)	91.7	83.7	88.0	92.7	83.0	84.3	89.0	90.7	83.3	87.3	87.4
PPG-PR 371	93.7	87.0	90.7	92.3	85.0	85.3	91.0	84.3	81.3	83.7	87.4
PPG-PR 423	88.7	85.3	88.3	92.3	83.3	79.0	86.7	88.0	90.3	92.0	87.4
KARMA	91.0	89.3	90.0	94.0	84.0	84.7	89.0	85.3	79.7	86.0	87.3
BRIGHTSTAR SLT	91.3	83.3	87.0	95.7	85.3	80.7	89.0	87.0	84.7	87.3	87.1
BAR LP 6162	90.0	84.7	86.0	92.7	83.0	78.7	86.0	87.3	88.7	92.3	86.9
MENSA	90.7	81.7	89.7	92.0	85.7	79.7	90.0	84.3	81.7	90.0	86.5
HATRICK (BSP-17)	89.0	84.3	86.0	93.7	82.3	80.0	88.3	84.3	85.3	87.3	86.1
GRAND SLAM GLD	87.7	85.7	88.0	91.7	78.3	79.3	88.7	87.7	78.3	85.7	85.1
LPB-SD-102	89.7	84.0	87.3	93.0	91.7	80.7	85.0	70.3	77.3	90.7	85.0
LINN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LSD VALUE	4.1	4.2	4.6	3.9	5.7	6.4	5.4	8.4	8.7	6.8	3.2
C.V. (%)	3.1	3.4	3.5	2.9	4.5	5.1	4.1	6.3	6.6	5.2	2.5

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

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

TABLE 16.

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/							
	CT1	IA1	MO1	NE1	NJ2	OR1	UT1	MEAN
HATRICK (BSP-17)	8.7	7.3	6.3	7.0	8.0	7.0	9.0	7.6
TEE-ME-UP (BSP-25)	8.0	7.0	6.3	7.0	8.0	7.0	8.3	7.4
ASP0116EXT	7.7	6.7	5.3	7.0	8.7	7.0	8.7	7.3
MIGHTIER (DLFPS-236/3542)	7.3	7.3	6.0	7.0	7.3	7.3	8.0	7.2
PEPPER II (RAD-PR 103)	7.7	7.0	7.0	7.0	6.7	7.3	7.7	7.2
FIREBALL (BWH)	8.0	6.0	5.7	7.0	7.3	7.7	8.7	7.2
PPG-PR 372	7.7	7.0	6.0	6.7	7.3	7.3	8.0	7.1
ALLOY (RRT)	7.7	7.3	6.7	6.7	7.7	6.7	7.3	7.1
PPG-PR 421	7.3	8.0	6.3	6.7	6.7	7.0	8.0	7.1
PST-2FOXY	7.7	7.3	6.7	6.3	6.7	7.3	8.0	7.1
RAD-PR 112	7.0	7.3	6.7	6.3	7.0	7.0	8.7	7.1
DLFPS-236/3552	7.7	7.3	7.0	6.7	6.0	7.0	7.7	7.0
PPG-PR 360	7.3	7.0	6.3	6.0	7.7	7.0	8.0	7.0
APPLE 3GL (PPG-PR 339)	7.3	6.7	6.0	6.7	7.0	7.3	8.0	7.0
GREEN SUPREME+ (AMP-R1)	7.3	6.7	5.7	7.0	7.0	7.3	8.0	7.0
ASP0118GL (A-4G)	7.3	6.7	6.0	6.3	7.7	7.0	8.0	7.0
ASP0218 (A-6D)	7.3	6.3	6.3	7.0	7.0	7.0	8.0	7.0
DLFPS-236/3546	7.3	7.0	6.7	6.3	6.7	7.0	8.0	7.0
NEXUS GT (SNX)	7.3	6.3	6.3	7.0	6.7	7.3	8.0	7.0
PPG-PR 371	7.0	7.7	6.3	6.3	6.3	8.0	7.3	7.0
SLUGGER 3GL (PPG-PR 343)	7.0	7.0	6.0	6.7	7.3	7.0	8.0	7.0
SR 4700 (DLFPS-236/3543)	7.7	7.7	6.7	6.0	6.0	7.0	8.0	7.0
FURLONG (LTP-FCB)	7.7	7.3	7.3	6.3	6.7	7.0	6.7	7.0
PPG-PR 423	7.3	7.3	5.7	6.3	7.7	7.0	7.7	7.0
02BS1	7.0	6.3	6.0	7.0	6.7	7.7	8.0	7.0
MYSTIQUE (DLFPS-236/3547)	7.0	8.3	5.3	6.0	7.3	7.0	7.7	7.0
PR-6-15	7.3	7.7	5.7	6.3	6.7	7.0	8.0	7.0
SUPERSTAR GL (PPG-PR 420)	7.3	7.0	6.7	6.3	6.3	7.0	8.0	7.0
ASP0117 (A-PR15)	7.7	6.0	6.0	6.0	7.3	7.0	8.3	6.9
FIESTA CINCO (DLFPS-236/3554)	6.7	7.7	6.0	7.0	6.3	7.0	7.7	6.9
PARAGON 2 GLR (FP2)	6.7	6.3	6.3	6.7	7.3	7.0	8.0	6.9
JR-197	8.0	6.0	6.3	6.3	7.0	7.7	7.0	6.9
ALLSTAR FORE (DLFPS-236/3541)	7.0	7.7	6.0	6.3	6.3	7.0	7.7	6.9
APR2616	7.0	7.0	5.7	6.3	7.3	6.7	8.0	6.9
DERBY XTREME	6.7	7.0	6.0	6.3	6.7	7.3	8.0	6.9
DLFPS-236/3548	7.0	7.7	5.3	6.3	6.7	7.3	7.7	6.9
NP-3	7.7	6.3	6.0	6.0	7.0	7.0	8.0	6.9
PPG-PR 370	7.3	7.0	5.3	6.3	7.0	7.0	8.0	6.9
PST-2BDT	6.7	6.3	6.7	6.7	6.7	7.0	8.0	6.9
PST-2MAY	7.3	7.3	5.7	7.0	6.3	7.0	7.3	6.9
FASTBALL 3GL (PPG-PR 329)	7.0	7.0	6.0	6.0	7.3	7.0	7.3	6.8
GRAND SLAM GLD	7.0	7.7	5.7	6.3	6.0	7.3	7.7	6.8
PHARAOH	7.0	6.7	5.3	6.3	7.7	7.3	7.3	6.8
PPG-PR 367	7.0	6.0	5.7	6.7	7.3	7.3	7.7	6.8
DLFPS-236/3550	7.0	7.3	6.0	6.0	6.7	7.0	7.7	6.8

TABLE 16.
(CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/							MEAN
	CT1	IA1	MO1	NE1	NJ2	OR1	UT1	
MRS1-PR15	7.7	7.0	5.0	6.3	7.0	6.7	8.0	6.8
NP-2	7.3	7.0	5.3	6.3	7.0	7.0	7.7	6.8
PARADOX GLR (PPG-PR 331)	7.0	6.7	5.7	6.7	7.0	7.0	7.7	6.8
PPG-PR 422	7.3	7.0	5.7	6.0	6.7	7.0	8.0	6.8
GRAY WOLF (PST-2GAL)	7.0	7.7	6.0	6.0	7.0	7.0	6.7	6.8
SILVER SPORT (PST-2CRP)	7.0	6.7	6.0	6.7	6.3	7.0	7.7	6.8
DLFPS-236/3553	6.7	7.0	6.3	6.0	6.7	7.0	7.7	6.8
GO-141	7.0	6.7	6.3	6.0	6.7	7.0	7.7	6.8
SIGNET	7.0	7.0	5.7	6.7	6.7	6.7	7.7	6.8
OVERDRIVE 5G	6.7	6.7	6.0	6.3	7.0	7.0	7.3	6.7
STELLAR 4GL (PPG-PR 424)	7.0	7.0	5.7	6.7	6.3	7.0	7.3	6.7
GATOR FORE (DLFPS-236/3544)	6.3	6.7	5.0	6.7	7.7	7.0	7.7	6.7
INTENSE	7.3	6.0	5.3	7.0	7.0	7.0	7.3	6.7
PST-2A2	6.3	6.7	6.0	6.3	6.7	7.0	8.0	6.7
UMPQUA	6.7	8.0	5.0	5.7	6.7	7.0	8.0	6.7
ZOOM 2 (DLFPS-236/3545)	7.3	6.0	5.0	6.3	7.3	7.3	7.7	6.7
LPB-SD-102	7.7	6.7	5.7	6.0	6.3	6.3	8.0	6.7
JR-123	7.0	6.0	6.3	6.0	6.0	7.0	8.3	6.7
SPIKE GLS (UF3)	7.3	6.3	5.0	6.0	7.0	7.3	7.7	6.7
SR 4650	6.7	6.7	5.7	6.7	6.3	7.0	7.7	6.7
APR2612	6.7	6.3	5.0	6.7	7.0	7.0	7.7	6.6
SHIELD (02BS4)	7.0	6.7	5.7	6.3	6.3	7.0	7.3	6.6
CS-6	6.3	6.0	5.3	6.7	7.0	7.0	8.0	6.6
DLFPS-236/3540	7.0	7.0	5.7	5.7	6.7	6.7	7.7	6.6
02BS2	6.7	6.0	5.7	6.3	7.0	7.0	7.3	6.6
HOMERUN LS (PPG-PR 419)	7.0	6.0	5.0	6.7	7.0	7.0	7.3	6.6
CAYMAN (GO-143)	7.7	6.3	6.7	6.3	5.3	6.0	7.7	6.6
MAN O WAR	6.3	6.3	5.3	5.7	7.3	7.0	8.0	6.6
MRS1-PR16	6.7	6.3	5.0	6.3	7.0	6.7	8.0	6.6
SLIDER LS (PPG-PR 241)	7.3	6.3	5.3	6.3	6.3	7.0	7.3	6.6
HELIOS (DLFPS-236/3538)	7.3	6.7	6.3	6.0	6.3	6.7	6.7	6.6
XCELERATOR	6.7	6.3	5.3	6.3	6.7	7.0	7.7	6.6
ALLSTAR III	6.3	6.0	5.7	6.7	7.0	6.7	7.3	6.5
LPB-SD-103	6.7	7.0	5.7	5.7	6.3	6.3	8.0	6.5
PL2	7.3	6.3	5.7	5.3	7.0	7.0	7.0	6.5
PR-5-16	6.7	7.0	5.0	6.3	6.0	7.0	7.7	6.5
GRAY HAWK (PST-2FIND)	7.3	6.0	5.3	6.0	6.3	7.0	7.3	6.5
KARMA	6.7	6.3	5.7	6.0	6.3	7.3	7.0	6.5
PST-2EGAD	7.3	6.0	5.0	6.3	6.3	7.0	7.3	6.5
IVY (PST-2GTD)	6.7	6.3	6.3	6.0	6.0	7.0	7.0	6.5
APR3060	7.3	7.0	5.3	6.3	5.0	7.0	7.0	6.4
DLFPS-236/3556	6.3	6.3	5.3	5.7	6.7	7.0	7.7	6.4
MENSA	6.7	6.3	5.0	6.0	6.3	6.3	8.3	6.4
CPN	6.7	6.0	5.3	6.0	6.3	7.0	7.7	6.4
023	6.7	6.7	5.0	6.0	6.3	7.0	7.0	6.4
JR-747	6.3	5.7	6.0	5.3	6.7	6.3	8.3	6.4

TABLE 16.
(CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

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

NAME	CT1	IA1	MO1	NE1	NJ2	OR1	UT1	MEAN
PPG-PR 385	6.7	6.7	5.7	5.7	6.3	7.0	6.7	6.4
SEABISCUIT	6.3	6.0	5.0	6.7	6.3	6.7	7.7	6.4
BAR LP 6117	5.7	6.0	5.7	6.3	6.3	7.0	7.3	6.3
BELIZE 2 (GO-142)	6.7	6.0	5.7	6.0	5.7	7.0	7.3	6.3
021	6.3	6.0	4.7	6.7	6.0	7.0	7.3	6.3
BAR LP 6164	6.0	6.7	6.0	7.0	5.0	7.0	6.3	6.3
LPB-SD-105	6.7	7.3	5.3	5.3	4.7	6.7	7.7	6.2
LPB-SD-101	7.0	6.7	6.0	5.3	4.7	6.3	7.3	6.2
LPB-SD-104	6.3	6.3	6.0	5.3	4.7	6.3	8.3	6.2
SAGUARO	6.7	6.0	5.0	5.3	5.7	7.0	7.7	6.2
BAR LP 6159	5.7	6.0	5.0	6.3	5.0	7.0	7.3	6.0
EVOLVE	6.0	6.0	5.0	6.0	5.7	6.7	7.0	6.0
PST-2PDA	6.0	6.0	5.0	6.0	5.0	7.0	7.3	6.0
BAR LP 6158	6.0	6.7	5.0	6.3	4.7	7.0	6.0	6.0
BRIGHTSTAR SLT	5.7	6.0	5.7	6.3	4.3	6.7	6.3	5.9
SAVANT	6.0	6.7	5.0	4.7	4.3	6.3	7.7	5.8
JR-888	6.3	6.0	5.0	4.7	4.3	7.0	7.0	5.8
BAR LP 6162	5.7	6.0	5.0	7.0	3.7	6.3	6.3	5.7
BAR LP 6131	5.3	6.0	5.0	6.0	4.7	6.3	6.7	5.7
DLFPS-238/3014	6.0	7.3	5.0	6.0	3.7	6.3	5.3	5.7
BAR LP 6233	6.0	6.7	4.7	5.7	4.3	6.7	5.7	5.7
BAR LP 6165	4.7	7.0	4.0	5.0	3.0	6.0	4.7	4.9
LINN	3.0	5.0	2.0	5.7	2.7	5.3	2.7	3.8
LSD VALUE	1.1	1.0	1.6	0.9	1.4	0.7	0.9	0.4
C.V. (%)	10.1	8.9	17.7	9.3	13.8	6.5	7.5	10.7

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 17.

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

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

NAME	CT1	IA1	UT1	MEAN
NP-2	6.3	7.3	7.3	7.0
SEABISCUIT	7.0	7.0	6.3	6.8
INTENSE	6.3	7.0	6.7	6.7
JR-197	6.7	7.0	6.3	6.7
PARADOX GLR (PPG-PR 331)	6.7	7.0	6.3	6.7
PHARAOH	7.7	7.3	5.0	6.7
STELLAR 4GL (PPG-PR 424)	7.0	6.7	6.3	6.7
GATOR FORE (DLFPS-236/3544)	6.0	7.7	6.0	6.6
PPG-PR 421	6.7	7.0	6.0	6.6
FURLONG (LTP-FCB)	6.3	7.0	6.3	6.6
NP-3	6.3	7.3	6.0	6.6
PPG-PR 360	6.3	7.0	6.3	6.6
FASTBALL 3GL (PPG-PR 329)	6.0	6.7	6.7	6.4
PPG-PR 367	7.0	6.7	5.7	6.4
02BS2	7.0	6.3	6.0	6.4
JR-123	7.3	5.7	6.3	6.4
PARAGON 2 GLR (FP2)	6.3	7.0	6.0	6.4
PL2	7.0	6.3	6.0	6.4
SLUGGER 3GL (PPG-PR 343)	6.3	7.0	6.0	6.4
023	6.0	6.3	6.7	6.3
ALLOY (RRT)	6.3	6.7	6.0	6.3
ASP0117 (A-PR15)	6.0	6.7	6.3	6.3
CPN	6.7	6.7	5.7	6.3
ZOOM 2 (DLFPS-236/3545)	6.3	6.7	6.0	6.3
DLFPS-236/3552	6.3	6.3	6.3	6.3
IVY (PST-2GTD)	6.3	7.3	5.3	6.3
PST-2EGAD	5.7	7.3	6.0	6.3
SIGNET	6.7	6.0	6.3	6.3
SLIDER LS (PPG-PR 241)	6.3	7.0	5.7	6.3
SR 4700 (DLFPS-236/3543)	6.3	7.0	5.7	6.3
BAR LP 6164	6.7	6.3	5.7	6.2
HELIOS (DLFPS-236/3538)	6.3	6.7	5.7	6.2
DLFPS-236/3546	5.7	6.7	6.3	6.2
NEXUS GT (SNX)	5.7	6.7	6.3	6.2
OVERDRIVE 5G	6.7	7.0	5.0	6.2
PPG-PR 370	5.0	6.7	7.0	6.2
PPG-PR 422	6.0	6.7	6.0	6.2
02BS1	6.3	6.0	6.3	6.2
MRS1-PR15	5.3	7.0	6.3	6.2
PST-2MAY	6.3	6.3	6.0	6.2
BAR LP 6159	6.0	6.7	5.7	6.1
GRAND SLAM GLD	5.7	6.7	6.0	6.1
GRAY HAWK (PST-2FIND)	5.7	6.7	6.0	6.1
SUPERSTAR GL (PPG-PR 420)	5.7	6.7	6.0	6.1
CAYMAN (GO-143)	5.3	6.7	6.3	6.1

TABLE 17.
(CONT'D)

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

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

NAME	CT1	IA1	UT1	MEAN
MYSTIQUE (DLFPS-236/3547)	6.3	6.3	5.7	6.1
DLFPS-236/3556	6.0	7.0	5.3	6.1
GRAY WOLF (PST-2GAL)	6.0	6.3	6.0	6.1
HATRICK (BSP-17)	5.0	7.0	6.3	6.1
HOMERUN LS (PPG-PR 419)	6.3	6.0	6.0	6.1
MAN O WAR	6.7	7.3	4.3	6.1
PR-6-15	5.3	6.3	6.7	6.1
XCELERATOR	6.3	5.7	6.3	6.1
ALLSTAR FORE (DLFPS-236/3541)	5.7	6.7	5.7	6.0
APPLE 3GL (PPG-PR 339)	6.3	6.7	5.0	6.0
BAR LP 6233	6.7	6.7	4.7	6.0
CS-6	5.3	6.7	6.0	6.0
DLFPS-236/3540	6.0	6.3	5.7	6.0
GO-141	5.7	6.0	6.3	6.0
GREEN SUPREME+ (AMP-R1)	5.7	6.7	5.7	6.0
PR-5-16	6.0	6.0	6.0	6.0
PST-2FOXY	5.7	7.0	5.3	6.0
SHIELD (02BS4)	6.7	5.7	5.7	6.0
TEE-ME-UP (BSP-25)	4.3	6.7	7.0	6.0
APR2616	5.7	6.7	5.3	5.9
ASP0118GL (A-4G)	5.0	7.0	5.7	5.9
ASP0218 (A-6D)	5.3	6.7	5.7	5.9
DLFPS-236/3553	5.7	6.3	5.7	5.9
PPG-PR 372	6.3	6.7	4.7	5.9
PST-2BDT	6.0	6.0	5.7	5.9
UMPQUA	6.3	6.7	4.7	5.9
021	6.3	5.3	6.0	5.9
APR3060	5.3	7.0	5.3	5.9
ASP0116EXT	4.3	7.0	6.3	5.9
FIREBALL (BWH)	5.3	7.0	5.3	5.9
PST-2A2	6.0	6.3	5.3	5.9
RAD-PR 112	4.3	6.0	7.3	5.9
SR 4650	5.3	6.3	6.0	5.9
EVOLVE	6.0	5.7	5.7	5.8
PPG-PR 423	5.7	6.7	5.0	5.8
SPIKE GLS (UF3)	5.7	6.0	5.7	5.8
DERBY XTREME	5.3	7.3	4.7	5.8
DLFPS-236/3548	5.0	6.0	6.3	5.8
KARMA	5.0	6.3	6.0	5.8
LPB-SD-103	5.0	6.0	6.3	5.8
PEPPER II (RAD-PR 103)	6.0	6.0	5.3	5.8
PPG-PR 371	5.7	6.3	5.3	5.8
PPG-PR 385	6.3	6.0	5.0	5.8
PST-2PDA	6.3	6.3	4.7	5.8
SILVER SPORT (PST-2CRP)	5.3	6.0	6.0	5.8
BAR LP 6165	6.0	7.3	3.7	5.7

TABLE 17.
(CONT'D)

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

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

NAME	CT1	IA1	UT1	MEAN
MIGHTIER (DLFPS-236/3542)	5.3	6.3	5.3	5.7
DLFPS-236/3550	5.7	6.7	4.7	5.7
DLFPS-238/3014	5.7	6.7	4.7	5.7
BRIGHTSTAR SLT	4.7	6.3	5.7	5.6
MRS�-PR16	5.3	5.7	5.7	5.6
FIESTA CINCO (DLFPS-236/3554)	4.7	6.0	5.7	5.4
JR-888	5.0	6.0	5.3	5.4
APR2612	5.3	6.3	4.3	5.3
BAR LP 6117	4.7	6.0	5.3	5.3
BELIZE 2 (GO-142)	4.7	6.3	5.0	5.3
MENSA	5.0	6.0	5.0	5.3
BAR LP 6158	5.0	5.7	5.0	5.2
SAGUARO	4.3	5.7	5.7	5.2
ALLSTAR III	5.0	5.3	5.0	5.1
BAR LP 6131	4.7	6.0	4.3	5.0
LPB-SD-101	4.3	5.3	4.3	4.7
LPB-SD-104	3.3	5.3	5.3	4.7
JR-747	4.0	5.0	4.7	4.6
LINN	5.3	5.3	3.0	4.6
LPB-SD-105	4.3	5.0	4.3	4.6
SAVANT	4.7	4.7	4.0	4.4
BAR LP 6162	4.3	5.3	3.7	4.4
LPB-SD-102	4.0	5.3	4.0	4.4
LSD VALUE	1.4	1.0	1.6	0.8
C.V. (%)	14.7	9.6	17.9	14.1

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

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

TABLE 18.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MO1	VA1	MEAN
PPG-PR 371	90.0	99.0	94.5
PPG-PR 372	86.7	99.0	92.8
PPG-PR 370	85.0	99.0	92.0
FURLONG (LTP-FCB)	83.3	99.0	91.2
NP-3	83.3	99.0	91.2
SUPERSTAR GL (PPG-PR 420)	83.3	99.0	91.2
FASTBALL 3GL (PPG-PR 329)	81.7	99.0	90.3
PEPPER II (RAD-PR 103)	81.7	99.0	90.3
BAR LP 6233	80.0	99.0	89.5
BAR LP 6117	83.3	94.3	88.8
DLFPS-236/3548	83.3	94.3	88.8
DLFPS-236/3553	83.3	94.3	88.8
BAR LP 6162	78.3	99.0	88.7
PR-5-16	78.3	99.0	88.7
PST-2FOXY	78.3	99.0	88.7
PPG-PR 421	83.3	92.7	88.0
PST-2MAY	80.0	96.0	88.0
FIESTA CINCO (DLFPS-236/3554)	76.7	99.0	87.8
HATRICK (BSP-17)	76.7	99.0	87.8
JR-888	76.7	99.0	87.8
PARAGON 2 GLR (FP2)	79.7	96.0	87.8
PL2	76.7	99.0	87.8
SEABISCUIT	76.7	99.0	87.8
APPLE 3GL (PPG-PR 339)	78.3	96.0	87.2
CAYMAN (GO-143)	78.3	96.0	87.2
PST-2BDT	78.3	96.0	87.2
SIGNET	75.0	99.0	87.0
SLUGGER 3GL (PPG-PR 343)	75.0	99.0	87.0
DLFPS-236/3546	80.0	93.0	86.5
ASP0218 (A-6D)	76.7	96.0	86.3
DLFPS-236/3556	76.7	96.0	86.3
JR-123	76.7	96.0	86.3
02BS2	78.3	94.3	86.3
023	73.3	99.0	86.2
APR3060	73.3	99.0	86.2
ASP0118GL (A-4G)	73.3	99.0	86.2
BAR LP 6158	73.3	99.0	86.2
DLFPS-238/3014	73.3	99.0	86.2
GRAY WOLF (PST-2GAL)	73.3	99.0	86.2
PPG-PR 367	73.3	99.0	86.2
SILVER SPORT (PST-2CRP)	73.3	99.0	86.2
SR 4700 (DLFPS-236/3543)	73.3	99.0	86.2
SHIELD (02BS4)	78.3	93.0	85.7
XCELERATOR	75.0	96.0	85.5
GATOR FORE (DLFPS-236/3544)	71.7	99.0	85.3
NP-2	71.7	99.0	85.3

TABLE 18.
(CONT'D)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/			
NAME	MO1	VA1	MEAN
PPG-PR 360	76.7	92.7	84.7
BAR LP 6131	73.3	96.0	84.7
DLFPS-236/3552	75.0	94.3	84.7
PPG-PR 385	73.3	96.0	84.7
SLIDER LS (PPG-PR 241)	75.0	94.3	84.7
021	70.0	99.0	84.5
DLFPS-236/3550	70.0	99.0	84.5
PPG-PR 422	70.0	99.0	84.5
HELIOS (DLFPS-236/3538)	71.7	96.0	83.8
ASP0117 (A-PR15)	68.3	99.0	83.7
BAR LP 6164	68.3	99.0	83.7
BAR LP 6165	68.3	99.0	83.7
MYSTIQUE (DLFPS-236/3547)	68.3	99.0	83.7
FIREBALL (BWH)	68.3	99.0	83.7
NEXUS GT (SNX)	73.3	93.0	83.2
PPG-PR 423	73.3	93.0	83.2
ALLOY (RRT)	73.3	92.7	83.0
SPIKE GLS (UF3)	71.7	94.3	83.0
STELLAR 4GL (PPG-PR 424)	70.0	96.0	83.0
CPN	66.7	99.0	82.8
EVOLVE	66.7	99.0	82.8
PHARAOH	66.7	99.0	82.8
MRSL-PR16	68.3	96.0	82.2
RAD-PR 112	68.3	96.0	82.2
02BS1	65.0	99.0	82.0
APR2616	65.0	99.0	82.0
IVY (PST-2GTD)	65.0	99.0	82.0
TEE-ME-UP (BSP-25)	65.0	99.0	82.0
JR-197	68.3	94.7	81.5
HOMERUN LS (PPG-PR 419)	65.0	96.0	80.5
GREEN SUPREME+ (AMP-R1)	61.7	99.0	80.3
KARMA	61.7	99.0	80.3
GRAND SLAM GLD	60.0	99.0	79.5
BAR LP 6159	65.0	92.7	78.8
ZOOM 2 (DLFPS-236/3545)	58.3	99.0	78.7
UMPQUA	58.3	99.0	78.7
OVERDRIVE 5G	61.7	94.3	78.0
PST-2EGAD	60.0	96.0	78.0
SR 4650	56.7	99.0	77.8
PARADOX GLR (PPG-PR 331)	66.7	88.0	77.3
PST-2PDA	58.3	96.0	77.2
PR-6-15	55.0	99.0	77.0
BRIGHTSTAR SLT	66.7	86.3	76.5
ASP0116EXT	56.7	96.0	76.3
CS-6	58.3	94.3	76.3
APR2612	53.3	99.0	76.2

TABLE 18.
(CONT'D)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MO1	VA1	MEAN
MENSA	53.3	99.0	76.2
ALLSTAR FORE (DLFPS-236/3541)	56.7	94.3	75.5
SAGUARO	55.0	96.0	75.5
DLFPS-236/3540	60.0	89.7	74.8
LPB-SD-105	55.0	94.3	74.7
MIGHTIER (DLFPS-236/3542)	58.3	89.7	74.0
MRSL-PR15	55.0	92.7	73.8
GO-141	48.3	99.0	73.7
GRAY HAWK (PST-2FIND)	50.0	96.0	73.0
JR-747	51.7	94.3	73.0
DERBY XTREME	60.0	85.0	72.5
LPB-SD-102	45.0	99.0	72.0
INTENSE	43.3	99.0	71.2
LINN	56.7	85.0	70.8
SAVANT	53.3	88.0	70.7
ALLSTAR III	50.0	91.3	70.7
MAN O WAR	43.3	96.0	69.7
PST-2A2	41.7	94.3	68.0
LPB-SD-101	35.0	99.0	67.0
LPB-SD-104	35.0	92.7	63.8
BELIZE 2 (GO-142)	30.0	96.0	63.0
LPB-SD-103	26.7	96.0	61.3
LSD VALUE	27.0	8.1	14.1
C.V. (%)	24.9	5.2	15.1

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

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

TABLE 19.

STEM RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

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

NAME	MO1	NAME	MO1	NAME	MO1
02BS2	9.0	SR 4700 (DLFPS-236/3543)	7.7	PR-5-16	5.7
ZOOM 2 (DLFPS-236/3545)	9.0	UMPQUA	7.7	RAD-PR 112	5.7
DLFPS-236/3546	9.0	APR2612	7.3	APR2616	5.3
FURLONG (LTP-FCB)	9.0	ASP0117 (A-PR15)	7.3	APR3060	5.3
HOMERUN LS (PPG-PR 419)	9.0	GRAY HAWK (PST-2FIND)	7.3	BAR LP 6165	5.3
MAN O WAR	9.0	GRAY WOLF (PST-2GAL)	7.3	INTENSE	5.3
PST-2MAY	9.0	PARADOX GLR (PPG-PR 331)	7.3	JR-888	5.3
SILVER SPORT (PST-2CRP)	9.0	PST-2A2	7.3	KARMA	5.3
SPIKE GLS (UF3)	9.0	021	7.0	SIGNET	5.3
GATOR FORE (DLFPS-236/3544)	8.7	023	7.0	JR-747	5.0
MYSTIQUE (DLFPS-236/3547)	8.7	ALLSTAR FORE (DLFPS-236/3541)	7.0	LINN	5.0
DLFPS-236/3553	8.7	ASP0218 (A-6D)	7.0	ASP0116EXT	4.7
FASTBALL 3GL (PPG-PR 329)	8.7	DLFPS-238/3014	7.0	EVOLVE	4.7
PARAGON 2 GLR (FP2)	8.7	JR-197	7.0	BAR LP 6164	4.3
PL2	8.7	PPG-PR 372	7.0	DLFPS-236/3540	4.3
PPG-PR 367	8.7	PPG-PR 385	7.0	FIREBALL (BWH)	4.3
PPG-PR 421	8.7	SAVANT	7.0	GREEN SUPREME+ (AMP-R1)	4.3
PPG-PR 422	8.7	SHIELD (02BS4)	7.0	PEPPER II (RAD-PR 103)	4.3
PR-6-15	8.7	02BS1	6.7	BAR LP 6117	4.0
PST-2EGAD	8.7	APPLE 3GL (PPG-PR 339)	6.7	DLFPS-236/3550	4.0
SLIDER LS (PPG-PR 241)	8.7	HELIOS (DLFPS-236/3538)	6.7	NEXUS GT (SNX)	4.0
ALLOY (RRT)	8.3	DLFPS-236/3548	6.7	TEE-ME-UP (BSP-25)	4.0
DLFPS-236/3556	8.3	FIESTA CINCO (DLFPS-236/3554)	6.7	BAR LP 6233	3.7
GRAND SLAM GLD	8.3	HATRICK (BSF-17)	6.7	BAR LP 6159	3.3
PPG-PR 370	8.3	LPB-SD-102	6.7	ALLSTAR III	3.0
CPN	8.0	LPB-SD-104	6.7	BELIZE 2 (GO-142)	3.0
MIGHTIER (DLFPS-236/3542)	8.0	OVERDRIVE 5G	6.7	BRIGHTSTAR SLT	3.0
IVY (PST-2GTD)	8.0	PHARAOH	6.7	DERBY XTREME	3.0
PPG-PR 423	8.0	SR 4650	6.7	LPB-SD-101	3.0
PST-2BDT	8.0	LPB-SD-105	6.3	SAGUARO	3.0
SUPERSTAR GL (PPG-PR 420)	8.0	MRS�-PR16	6.3	BAR LP 6131	2.7
XCELERATOR	8.0	SEABISCUIT	6.3	BAR LP 6158	2.7
DLFPS-236/3552	7.7	STELLAR 4GL (PPG-PR 424)	6.0	BAR LP 6162	2.7
JR-123	7.7	ASP0118GL (A-4G)	5.7	GO-141	2.7
NP-2	7.7	CS-6	5.7	PST-2PDA	2.7
NP-3	7.7	LPB-SD-103	5.7	CAYMAN (GO-143)	2.3
PPG-PR 371	7.7	MENSA	5.7		
PST-2FOXY	7.7	MRS�-PR15	5.7	LSD VALUE	3.0
SLUGGER 3GL (PPG-PR 343)	7.7	PPG-PR 360	5.7	C.V. (%)	29.1

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 20.

BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

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

NAME	MN1	NAME	MN1	NAME	MN1
PR-6-15	7.3	ALLSTAR FORE (DLFPS-236/3541)	5.3	INTENSE	4.7
SPIKE GLS (UF3)	7.0	APR2612	5.3	IVY (PST-2GTD)	4.7
02BS2	6.7	BAR LP 6162	5.3	PPG-PR 360	4.7
ZOOM 2 (DLFPS-236/3545)	6.7	BAR LP 6165	5.3	PPG-PR 385	4.7
DLFPS-236/3546	6.7	CFN	5.3	PPG-PR 421	4.7
DLFPS-236/3553	6.7	MYSTIQUE (DLFPS-236/3547)	5.3	PR-5-16	4.7
PARAGON 2 GLR (FP2)	6.7	DLFPS-236/3550	5.3	PST-2BDT	4.7
PL2	6.7	FASTBALL 3GL (PPG-PR 329)	5.3	PST-2PDA	4.7
PPG-PR 367	6.7	JR-888	5.3	SEABISCUIT	4.7
PPG-PR 422	6.7	MAN O WAR	5.3	ASP0218 (A-6D)	4.3
UMPQUA	6.7	MENSA	5.3	BAR LP 6117	4.3
023	6.3	MRS�-PR15	5.3	DERBY XTREME	4.3
ASP0118GL (A-4G)	6.3	MRS�-PR16	5.3	GO-141	4.3
GATOR FORE (DLFPS-236/3544)	6.3	PPG-PR 370	5.3	GRAND SLAM GLD	4.3
DLFPS-236/3556	6.3	PST-2EGAD	5.3	HATRICK (BSP-17)	4.3
FURLONG (LTP-FCB)	6.3	SAVANT	5.3	LPB-SD-101	4.3
GRAY WOLF (PST-2GAL)	6.3	SHIELD (02BS4)	5.3	APPLE 3GL (PPG-PR 339)	4.0
PPG-PR 423	6.3	SLUGGER 3GL (PPG-PR 343)	5.3	BAR LP 6131	4.0
XCELERATOR	6.3	SR 4700 (DLFPS-236/3543)	5.3	FIREBALL (BWH)	4.0
APR3060	6.0	SUPERSTAR GL (PPG-PR 420)	5.3	GRAY HAWK (PST-2FIND)	4.0
MIGHTIER (DLFPS-236/3542)	6.0	ALLOY (RRT)	5.0	GREEN SUPREME+ (AMP-R1)	4.0
HOMERUN LS (PPG-PR 419)	6.0	BRIGHTSTAR SLT	5.0	JR-747	4.0
JR-197	6.0	DLFPS-236/3540	5.0	LPB-SD-102	4.0
LPB-SD-105	6.0	EVOLVE	5.0	LPB-SD-104	4.0
NP-2	6.0	FIESTA CINCO (DLFPS-236/3554)	5.0	RAD-PR 112	4.0
OVERDRIVE 5G	6.0	JR-123	5.0	ALLSTAR III	3.7
STELLAR 4GL (PPG-PR 424)	6.0	KARMA	5.0	BAR LP 6164	3.7
021	5.7	LPB-SD-103	5.0	DLFPS-238/3014	3.7
APR2616	5.7	PARADOX GLR (PPG-PR 331)	5.0	NEXUS GT (SNX)	3.7
ASP0117 (A-PR15)	5.7	PHARAOH	5.0	PEPPER II (RAD-PR 103)	3.7
CAYMAN (GO-143)	5.7	PPG-PR 371	5.0	SAGUARO	3.7
DLFPS-236/3552	5.7	PST-2A2	5.0	TEE-ME-UP (BSP-25)	3.7
NP-3	5.7	SLIDER LS (PPG-PR 241)	5.0	BAR LP 6159	3.3
PPG-PR 372	5.7	ASP0116EXT	4.7	PST-2FOXY	3.3
PST-2MAY	5.7	BAR LP 6233	4.7	BAR LP 6158	3.0
SIGNET	5.7	BELIZE 2 (GO-142)	4.7	LINN	2.7
SILVER SPORT (PST-2CRP)	5.7	CS-6	4.7		
SR 4650	5.7	HELIOS (DLFPS-236/3538)	4.7	LSD VALUE	1.8
02BS1	5.3	DLFPS-236/3548	4.7	C.V. (%)	21.8

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

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

TABLE 21.

PINK SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2020 DATA

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

NAME	MN1	NAME	MN1	NAME	MN1
NP-2	7.0	DLFPS-236/3552	6.0	MAN O WAR	5.3
PL2	7.0	FIREBALL (BWH)	6.0	NP-3	5.3
SEABISCUIT	7.0	GO-141	6.0	PPG-PR 421	5.3
021	6.7	HOMERUN LS (PPG-PR 419)	6.0	PR-5-16	5.3
02BS2	6.7	INTENSE	6.0	PST-2A2	5.3
ASP0116EXT	6.7	JR-197	6.0	RAD-PR 112	5.3
BAR LP 6158	6.7	PPG-PR 360	6.0	SR 4650	5.3
DLFPS-236/3540	6.7	PST-2FOXY	6.0	STELLAR 4GL (PPG-PR 424)	5.3
GRAY WOLF (PST-2GAL)	6.7	SLIDER LS (PPG-PR 241)	6.0	ALLSTAR III	5.0
HATRICK (BSP-17)	6.7	SPIKE GLS (UF3)	6.0	APR2612	5.0
MRS-PR16	6.7	SR 4700 (DLFPS-236/3543)	6.0	BAR LP 6233	5.0
OVERDRIVE 5G	6.7	UMPQUA	6.0	CAYMAN (GO-143)	5.0
PHARAOH	6.7	APR2616	5.7	HELIOS (DLFPS-236/3538)	5.0
PPG-PR 367	6.7	ASP0118GL (A-4G)	5.7	FURLONG (LTP-FCB)	5.0
PPG-PR 423	6.7	ASP0218 (A-6D)	5.7	GRAND SLAM GLD	5.0
SHIELD (02BS4)	6.7	BAR LP 6117	5.7	JR-888	5.0
SILVER SPORT (PST-2CRP)	6.7	BAR LP 6165	5.7	LPB-SD-103	5.0
023	6.3	ZOOM 2 (DLFPS-236/3545)	5.7	PEPPER II (RAD-PR 103)	5.0
02BS1	6.3	DLFPS-236/3553	5.7	PPG-PR 370	5.0
APPLE 3GL (PPG-PR 339)	6.3	DLFPS-236/3556	5.7	SAGUARO	5.0
APR3060	6.3	DLFPS-238/3014	5.7	TEE-ME-UP (BSP-25)	5.0
ASP0117 (A-PR15)	6.3	EVOLVE	5.7	BAR LP 6162	4.7
BAR LP 6164	6.3	FIESTA CINCO (DLFPS-236/3554)	5.7	GRAY HAWK (PST-2FIND)	4.7
BRIGHTSTAR SLT	6.3	MRS-PR15	5.7	LPB-SD-101	4.7
GATOR FORE (DLFPS-236/3544)	6.3	PPG-PR 372	5.7	NEXUS GT (SNX)	4.7
JR-123	6.3	PR-6-15	5.7	PST-2PDA	4.7
KARMA	6.3	PST-2EGAD	5.7	SUPERSTAR GL (PPG-PR 420)	4.7
PARADOX GLR (PPG-PR 331)	6.3	SIGNET	5.7	PST-2BDT	4.3
PARAGON 2 GLR (FP2)	6.3	SLUGGER 3GL (PPG-PR 343)	5.7	DERBY XTREME	4.0
PPG-PR 371	6.3	XCELERATOR	5.7	LPB-SD-102	4.0
PPG-PR 385	6.3	ALLOY (RRT)	5.3	MENSA	4.0
PPG-PR 422	6.3	BAR LP 6131	5.3	SAVANT	4.0
PST-2MAY	6.3	BAR LP 6159	5.3	JR-747	3.0
ALLSTAR FORE (DLFPS-236/3541)	6.0	MIGHTIER (DLFPS-236/3542)	5.3	LPB-SD-105	3.0
BELIZE 2 (GO-142)	6.0	MYSTIQUE (DLFPS-236/3547)	5.3	LPB-SD-104	2.7
CPN	6.0	DLFPS-236/3548	5.3	LINN	2.3
CS-6	6.0	FASTBALL 3GL (PPG-PR 329)	5.3		
DLFPS-236/3546	6.0	GREEN SUPREME+ (AMP-R1)	5.3	LS-VALUE	1.9
DLFPS-236/3550	6.0	IVY (PST-2GTD)	5.3	C.V. (%)	21.0

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS */
 2020 DATA
 TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF **/

NAME	QUALITY		MAXIMUM		NAME	QUALITY		MAXIMUM	
	MEAN 1/	IN TOP 25% 2/	IN TOP 25% 2/	IN TOP 25% 2/		MEAN 1/	IN TOP 25% 2/	IN TOP 25% 2/	IN TOP 25% 2/
021	6.0	29.4			FIREBALL (BWH)	5.1	0.0		
023	5.9	11.8			FURLONG (LTP-FCB)	6.3	52.9		
02BS1	5.8	17.6			GO-141	5.3	0.0		
02BS2	6.1	41.2			GRAND SLAM GLD	5.8	23.5		
ALLOY (RRT)	6.2	52.9			GRAY HAWK (PST-2FIND)	5.5	0.0		
ALLSTAR FORE (DLFPS-236/3541)	6.1	47.1			GRAY WOLF (PST-2GAL)	5.8	11.8		
ALLSTAR III	5.1	0.0			GREEN SUPREME+ (AMP-R1)	5.4	0.0		
APPLE 3GL (PPG-PR 339)	6.1	58.8			HATRICK (BSP-17)	5.5	11.8		
APR2612	5.5	0.0			HOMERUN LS (PPG-PR 419)	6.1	41.2		
APR2616	5.9	35.3			INTENSE	5.7	5.9		
APR3060	5.7	23.5			IVY (PST-2GTD)	5.9	23.5		
ASP0116EXT	5.4	0.0			JR-123	5.7	23.5		
ASP0117 (A-PR15)	5.8	23.5			JR-197	6.1	52.9		
ASP0118GL (A-4G)	5.6	5.9			JR-747	5.0	5.9		
ASP0218 (A-6D)	5.6	11.8			JR-888	5.3	0.0		
BAR LP 6117	5.5	11.8			KARMA	5.6	5.9		
BAR LP 6131	5.5	5.9			LINN	3.1	0.0		
BAR LP 6158	5.4	5.9			LPB-SD-101	5.2	5.9		
BAR LP 6159	5.5	0.0			LPB-SD-102	5.3	23.5		
BAR LP 6162	5.0	0.0			LPB-SD-103	5.2	11.8		
BAR LP 6164	5.8	11.8			LPB-SD-104	4.9	0.0		
BAR LP 6165	5.5	23.5			LPB-SD-105	5.0	5.9		
BAR LP 6233	5.8	29.4			MAN O WAR	5.6	5.9		
BELIZE 2 (GO-142)	5.2	0.0			MENSA	5.1	11.8		
BRIGHTSTAR SLT	5.1	5.9			MRSL-PR15	5.5	5.9		
CAYMAN (GO-143)	5.2	11.8			MRSL-PR16	5.5	11.8		
CPN	5.9	29.4			NEXUS GT (SNX)	5.3	0.0		
CS-6	5.5	5.9			NP-2	6.1	64.7		
DERBY XTREME	5.4	5.9			NP-3	6.3	64.7		
HELIOS (DLFPS-236/3538)	5.9	23.5			OVERDRIVE 5G	5.8	17.6		
DLFPS-236/3540	5.8	23.5			PARADOX GLR (PPG-PR 331)	5.9	23.5		
MIGHTIER (DLFPS-236/3542)	5.8	35.3			PARAGON 2 GLR (FP2)	5.9	23.5		
GATOR FORE (DLFPS-236/3544)	6.1	41.2			PEPPER II (RAD-PR 103)	5.3	5.9		
ZOOM 2 (DLFPS-236/3545)	6.1	58.8			PHARAOH	5.7	17.6		
DLFPS-236/3546	6.2	58.8			PL2	6.1	35.3		
MYSTIQUE (DLFPS-236/3547)	6.2	64.7			PPG-PR 360	5.9	17.6		
DLFPS-236/3548	6.0	41.2			PPG-PR 367	5.9	29.4		
DLFPS-236/3550	5.8	0.0			PPG-PR 370	6.1	41.2		
DLFPS-236/3552	6.1	41.2			PPG-PR 371	6.1	47.1		
DLFPS-236/3553	6.0	35.3			PPG-PR 372	6.2	58.8		
DLFPS-236/3556	6.1	47.1			PPG-PR 385	5.8	11.8		
DLFPS-238/3014	5.2	11.8			PPG-PR 421	6.3	88.2		
EVOLVE	5.4	5.9			PPG-PR 422	6.0	35.3		
FASTBALL 3GL (PPG-PR 329)	6.0	35.3			PPG-PR 423	6.1	47.1		
FIESTA CINCO (DLFPS-236/3554)	6.1	41.2			PR-5-16	6.0	23.5		

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS */
(CONT'D)

2020 DATA
TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF **/

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
PR-6-15	6.0	35.3
PST-2A2	5.7	35.3
PST-2BDT	5.6	5.9
PST-2EGAD	5.6	5.9
PST-2FOXY	5.9	23.5
PST-2MAY	5.7	11.8
PST-2PDA	5.5	0.0
RAD-PR 112	5.2	0.0
SAGUARO	5.3	5.9
SAVANT	5.2	5.9
SEABISCUIT	5.7	17.6
SHIELD (02BS4)	6.0	41.2
SIGNET	5.8	11.8
SILVER SPORT (PST-2CRP)	6.0	35.3
SLIDER LS (PPG-PR 241)	5.8	23.5
SLUGGER 3GL (PPG-PR 343)	6.1	58.8
SPIKE GLS (UF3)	6.0	41.2
SR 4650	5.6	5.9
SR 4700 (DLFPS-236/3543)	6.2	47.1
STELLAR 4GL (PPG-PR 424)	6.2	52.9
SUPERSTAR GL (PPG-PR 420)	6.2	47.1
TEE-ME-UP (BSP-25)	5.3	0.0
UMPQUA	6.0	41.2
XCELERATOR	6.0	23.5
LSD VALUE	0.3	
C.V. (%)	10.2	

*/ 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.