

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

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A Guide to NTEP Turfgrass Ratings

Introduction

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

General Considerations

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

Turfgrass Quality

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

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

Other Ratings

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

2022 NATIONAL PERENNIAL RYEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2024

State	Location	Code
California	Palm Desert	CA5
Colorado	Ft. Collins (Salt Stress)	CO1
Connecticut	Storrs	CT1
Florida	Gainesville	FL1
Iowa	Ames	IA1
Iowa	Ames (Shade)	IA2
Indiana	West Lafayette	IN1
Indiana	West Lafayette (Fairway)	IN2
Massachusetts	Amherst	MA1
Minnesota	St. Paul	MN1
Nebraska	Mead	NE1
New Jersey	Adelphia	NJ2
Ohio	Columbus	OH1
Ohio	Wooster	OH3
Canada	Ontario-Guelph	ON1
Oregon	Corvallis	OR1
Canada	Quebec City	QE1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Virginia	Blacksburg (Fairway)	VA2

2022 NATIONAL PERENNIAL RYEGRASS TEST-ENTRIES AND SPONSORS

ENTRY NO.	NAME	SPONSOR	ENTRY NO.	NAME	SPONSOR
1	RC20-02o	Criadero El Cencero S.A	*43	Exceed (PPG-PR668)	Landmark Seed Company
2	LTP-RPP4	Lebanon Seaboard Corp.	44	PPG-PR 670	Semillas Fito
*3	Greenback	Carlton Seed, LLC	45	PPG-PR 671	Turf Merchants, Inc.
*4	Sundown (BY-PS2)	Brett Young	46	SGP4	Semillas Fito
5	LTP-NR	Lebanon Seaboard Corp.	*47	High Octane	Burlingham Seeds, LLC
6	PVF-RPP2	Brett Young	*48	Piston	Burlingham Seeds, LLC
*7	Stellar 4GL	Standard	49	MRS�-PR22	SiteOne Landscape Supply
*8	Homerun LS	Standard	50	PVF-SGS5	SiteOne Landscape Supply
*9	Siletz	Vista Seed Partners, LLC	51	20PR10	SiteOne Landscape Supply
10	GO-RUS20	GO Seed	52	PS4	SiteOne Landscape Supply
11	GO-RUS21	GO Seed	53	BARLP 22191	Barenbrug USA
12	GO-RUS22	GO Seed	54	BARLP 22256	Barenbrug USA
13	PST-2ADS	Pure-Seed Testing Inc.	55	BARLP 22262	Barenbrug USA
14	PST-2BGL	Pure-Seed Testing Inc.	56	BARLP 22263	Barenbrug USA
*15	Lightspeed (PST-2DRG)	Brett Young	57	BARLP 22174	Barenbrug USA
*16	Stinger (PST-2EGY)	Barenbrug	58	Nexus DK(SE-DK)	Smith Seed Services
17	PST-2GDS	Pure-Seed Testing Inc.	*59	Prominent II (TSC-CRS)	Columbia River Seed
*18	Flightline (PST-214)	Pure Seed	*60	Gray Eagle SLT (PST-2MEG)	Pure Seed
*19	Ultra Sport (PST-2HAF20)	Pure Seed	61	PST-2E6	Semillas Fito
20	PST-2HFM	Pure-Seed Testing Inc.	*62	Brightstar SLT	Standard
21	PST-2MES1	Pure-Seed Testing Inc.	63	CJP1R	ProSeeds Marketing, Inc.
22	PST-2SPF	Pure-Seed Testing Inc.	*64	Performance (NAL-PR5)	Columbia River Seed
*23	Slider SG (PPG-PR 602)	Mountain View Seeds	*65	RPP3	Ampac Seed Company
24	PPG-PR 606	Integra Turf, Inc.	*66	APS	Ampac Seed Company
25	PPG-PR 610	Smith Seed Services	67	SEPR-2013	Smith Seed Services
*26	Relic (PPG-PR 611)	The Scotts Company	68	BSG-PR22	Bailey Seed & Grain
27	PPG-PR 620	Peak Plant Genetics, LLC	*69	Dark Matter	Columbia Seeds
*28	GRAND SLAMG-LS(PPG-PR 637)	Mountain View Seeds	70	DLF-PR-3726	DLF USA
29	PPG-PR 639	Turf Merchants, Inc.	71	DLF-PR-3727	DLF USA
30	PPG-PR 642	Landmark Seed Company	72	DLF-PR-3728	DLF USA
31	PPG-PR 643	Landmark Seed Company	73	DLF-PR-3729	DLF USA
*32	Homerun G-LS (PPG-PR 644)	Mountain View Seeds	74	DLF-PR-3730	DLF USA
33	PPG-PR 646	ProSeeds Marketing, Inc.	75	DLF-PR-3735	DLF USA
*34	Ignition (PPG-PR 647)	Brett Young	*76	Aspiration (DLF-PR-3736)	DLF USA
*35	Fastball 4GL (PPG-PR 658)	Mountain View Seeds	77	DLF-PR-3737	DLF USA
36	PPG-PR 661	ProSeeds Marketing, Inc.	*78	Karma	Standard
37	PPG-PR 662	Peak Plant Genetics, LLC	*79	Alpha Centauri	Columbia Seeds
*38	Apple 4SGL (PPG-PR 663)	Mountain View Seeds	*80	Quasar	Columbia Seeds
39	PPG-PR 664	Columbia Seeds	*81	Linn	Standard
*40	Vortex SRT (PPG-PR 665)	Landmark Seed Company	*82	Wicked Cool (DLF-PR-3738)	DLF USA
41	PPG-PR 666	Turf Merchants, Inc.	83	DLF-LGT-3066	DLF USA
42	PPG-PR 667	Smith Seed Services			

AVAILABLE IN 2025 IN THE US OR ANY OTHER COUNTRY

TABLE A.

2024 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2022 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
CA5	LOAMY SAND	7.1-7.5	151-270	241-375	0.0-1.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
CO1	-	-	-	-	-	-	-	-
CT1	SANDY LOAM	6.1-6.5	61-150	151-240	-	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
FL1	-	-	-	-	-	-	-	-
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
IA2	SANDY CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	DENSE SHADE	2.1-2.5	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	3.1-3.5	TO PREVENT DORMANCY
IN2	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
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
MN1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
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	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OH1	-	-	-	-	-	-	-	-
OH3	-	-	-	-	-	-	-	-
ON1	SILT LOAM AND SILT	7.6-8.5	-	-	-	FULL SUN	1.6-2.0	ONLY DURING SEVERE 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
QE1	-	-	-	-	-	-	-	-
UT1	SILT LOAM AND SILT	7.6-8.5	-	-	-	FULL SUN	2.1-2.5	TO PREVENT STRESS
VA1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	2.1-3.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
VA2	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	2.1-3.0	FULL SUN	0.6-1.0	ONLY DURING SEVERE STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2024

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY
CA5 CO1 CT1	X	X	X	X X	 X	 X	 X	 X	 X	 X	X X	X 	X X	 X	 X	 X
FL1 IA1 IA2				X X	X X	X X	X X	X X	X X	X X	X X		X X	X X	X X	X X
IN1 IN2 MA1				X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	 X	X X			
MN1 NE1 NJ2				 X X	X X X	X X X	X X X	X X X	X X X	X X X			X X	 X		
OH1 OH3 ON1				X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X			 X X	 X	
OR1 QE1 UT1	X	X	X	X X	X X X	X X X	X X X	X X X	X X X	X X X	X 	X 	X X	 X		
VA1 VA2				 X	X X	X X	X X	X X	X X	X X						

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2024

LOCATION	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	BROWN PATCH WARMTEMP	CROWN RUST	FALL COLOR SEPTEMBER	SEEDHEAD RATINGS	POA ANNUA	SPRING COLOR	PERCENT WEED (POA TRIV)	PERCENT WEEDS	POA ANNUA APR MAY SEP	DOLLAR SPOT JUN JUL	WEAR TOLERANCE MAY JUL OCT
* CA5			X													
* CO1																
CT1	X							X								

* FL1																
IA1	X	X	X	X												
* IA2	X															

IN1	X					X			X	X				X	X	
IN2	X				X					X						
MA1																X

MN1				X			X									
NE1																
NJ2																

OH1				X							X	X	X			
OH3				X							X					
ON1																
OR1																
QE1																
UT1																
VA1																
VA2																

* MORE DATA FOR CA5, CO1, FL1 AND IA2 IN THE TABLE 11, 13, 12 AND 9.

TABLE 1.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2024 DATA

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

NAME	ENTRY #	CT1	NJ2	OH1	IN1	MN1	IA1	OR1	ON1	MEAN
*APS	66	6.3	7.8	5.3	6.2	5.9	6.6	7.4	7.4	6.5
*GRAND SLAM G-LS (PPG-PR 637)	28	6.2	7.5	5.2	6.1	6.1	6.5	7.6	7.2	6.5
SILETZ	9	6.2	8.0	5.2	6.1	5.8	6.4	7.2	7.3	6.4
*HOMERUN G-LS (PPG-PR 644)	32	6.2	8.0	5.1	6.1	5.9	6.4	7.3	7.2	6.4
DLF-PR-3728	72	6.0	7.3	5.0	5.9	6.1	6.3	7.6	7.0	6.3
CJP1R	63	6.1	7.5	5.1	6.0	5.8	6.4	7.3	7.2	6.3
SGP4	46	6.1	8.1	5.1	6.0	5.6	6.2	7.0	7.2	6.3
LTP-RPP4	2	5.9	7.5	4.9	5.9	5.9	6.2	7.4	7.0	6.2
PPG-PR 664	39	6.1	7.8	5.0	5.9	5.6	6.2	7.0	7.1	6.2
PST-2ADS	13	6.2	6.5	5.1	5.9	5.7	6.6	7.2	7.2	6.2
PPG-PR 643	31	5.9	6.7	4.9	5.8	6.0	6.3	7.6	6.9	6.2
*EXCEED (PPG-PR 668)	43	6.1	7.4	5.0	5.8	5.5	6.3	7.0	7.1	6.2
PVF-SGS5	50	6.1	7.8	5.1	5.9	5.2	6.3	6.6	7.2	6.1
*FASTBALL 4GL (PPG-PR 658)	35	6.1	7.0	5.0	5.8	5.6	6.4	7.1	7.1	6.1
PPG-PR 642	30	6.1	7.6	5.0	5.9	5.3	6.3	6.7	7.2	6.1
*WICKED COOL (DLF-PR-3738)	82	6.2	7.2	5.1	5.9	5.3	6.4	6.7	7.2	6.1
PPG-PR 620	27	6.2	7.1	5.1	5.9	5.3	6.5	6.8	7.2	6.1
PVF-RPP2	6	6.0	7.2	4.9	5.8	5.6	6.2	7.0	7.0	6.1
DLF-PR-3729	73	6.0	6.4	4.9	5.7	5.9	6.4	7.4	6.9	6.1
DLF-LGT-3066	83	5.8	6.4	4.6	5.2	4.0	6.0	5.4	6.8	6.1
PPG-PR 646	33	5.8	7.2	4.8	5.7	5.7	6.1	7.2	6.8	6.1
*QUASAR	80	6.0	7.8	4.9	5.8	5.2	6.1	6.6	7.1	6.1
DLF-PR-3730	74	6.0	7.5	4.9	5.8	5.3	6.2	6.7	7.0	6.1
PPG-PR 662	37	6.3	7.7	5.1	5.9	4.7	6.3	6.1	7.4	6.0
PPG-PR 639	29	6.0	7.7	4.9	5.8	5.1	6.1	6.5	7.1	6.0
PPG-PR 670	44	6.1	6.6	5.0	5.7	5.5	6.4	7.0	7.0	6.0
*IGNITION (PPG-PR 647)	34	6.0	6.4	4.9	5.7	5.7	6.3	7.2	6.9	6.0
*RELIC (PPG-PR 611)	26	6.2	7.4	5.1	5.8	4.9	6.4	6.3	7.3	6.0
*PERFORMANCE (NAI-PR5)	64	6.1	6.5	5.0	5.7	5.4	6.4	6.9	7.1	6.0
DLF-PR-3735	75	5.8	5.7	4.8	5.6	6.1	6.3	7.7	6.7	6.0
*SLIDER SG (PPG-PR 602)	23	6.0	7.4	4.9	5.7	5.1	6.2	6.5	7.1	6.0
*RPP3	65	5.9	6.7	4.9	5.7	5.5	6.2	7.0	6.9	6.0
*VORTEX SRT (PPG-PR 665)	40	6.1	6.6	5.0	5.7	5.3	6.4	6.8	7.0	6.0
*ALPHA CENTAURI	79	6.0	7.6	4.9	5.7	4.9	6.1	6.3	7.1	5.9
PPG-PR 661	36	6.0	7.4	4.9	5.7	5.0	6.2	6.4	7.1	5.9
*STELLAR 4GL	7	5.9	6.7	4.8	5.6	5.4	6.2	6.9	6.9	5.9
DLF-PR-3726	70	6.2	7.3	5.0	5.7	4.7	6.3	6.1	7.2	5.9
PS4	52	5.9	6.0	4.8	5.6	5.6	6.3	7.2	6.8	5.9
LTP-NR	5	5.9	6.8	4.8	5.6	5.3	6.2	6.7	6.9	5.9
GO-RUS21	11	6.0	7.2	4.9	5.7	4.9	6.2	6.4	7.1	5.9
*PISTON	48	6.0	6.5	4.9	5.6	5.2	6.3	6.7	7.0	5.9
*SUNDOWN (BY-PS2)	4	5.8	6.4	4.7	5.5	5.6	6.1	7.1	6.7	5.9
PPG-PR 666	41	6.1	7.3	5.0	5.7	4.8	6.2	6.2	7.1	5.9
PPG-PR 667	42	6.2	7.0	5.0	5.7	4.7	6.3	6.1	7.2	5.9

TABLE 1.
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2024 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
NAME	ENTRY #	CT1	NJ2	OH1	IN1	MN1	IA1	OR1	ON1	MEAN
PPG-PR 610	25	5.9	6.8	4.8	5.6	5.0	6.2	6.5	6.9	5.8
PPG-PR 606	24	6.0	7.0	4.9	5.6	4.9	6.2	6.4	7.0	5.8
*APPLE 4SGL (PPG-PR 663)	38	6.0	7.1	4.9	5.6	4.8	6.1	6.3	7.0	5.8
PST-2BGL	14	6.0	6.0	4.8	5.5	5.3	6.3	6.8	6.9	5.8
*HIGH OCTANE	47	5.8	6.6	4.7	5.5	5.2	6.1	6.7	6.8	5.8
PST-2HFM	20	5.8	6.2	4.7	5.4	5.2	6.1	6.8	6.7	5.7
20PR10	51	6.0	6.4	4.9	5.5	4.8	6.3	6.3	7.0	5.7
*ULTRA SPORT (PST-2HAF20)	19	5.9	6.6	4.7	5.5	4.9	6.1	6.4	6.9	5.7
PPG-PR671	45	5.8	6.8	4.7	5.5	4.9	6.0	6.4	6.8	5.7
PST-2MES1	21	5.8	5.8	4.7	5.4	5.2	6.2	6.8	6.7	5.7
*GRAY EAGLE SLT (PST-2MEG)	60	5.8	5.8	4.7	5.4	5.1	6.2	6.7	6.7	5.7
PST-2GDS	17	5.8	5.9	4.7	5.4	5.1	6.2	6.6	6.7	5.7
DLF-PR-3727	71	6.0	6.1	4.8	5.4	4.5	6.2	5.9	7.0	5.6
*STINGER (PST-2EGY)	16	5.8	6.5	4.6	5.3	4.6	6.0	6.0	6.8	5.5
*ASPIRATION (DLF-PR-3736)	76	6.0	6.2	4.8	5.4	4.4	6.2	5.8	6.9	5.5
PST-2E6	61	5.6	5.4	4.5	5.2	5.2	6.0	6.8	6.5	5.5
GO-RUS22	12	5.9	5.8	4.7	5.3	4.5	6.1	6.0	6.8	5.5
*HOMERUN LS	8	5.6	5.7	4.5	5.2	4.9	5.9	6.5	6.5	5.5
DLF-PR-3737	77	5.6	5.6	4.5	5.2	4.8	6.0	6.4	6.6	5.4
GO-RUS20	10	5.7	6.3	4.5	5.2	4.2	5.9	5.6	6.7	5.3
FLIGHTLINE (PST-214)	18	5.5	5.0	4.4	5.0	4.9	5.9	6.5	6.4	5.3
RC20-020	1	5.5	4.3	4.3	4.9	5.0	6.0	6.6	6.3	5.2
*KARMA	78	5.4	5.1	4.2	4.9	4.4	5.8	5.9	6.3	5.1
BAR LP 22174	57	5.6	4.7	4.4	4.9	4.1	6.0	5.7	6.5	5.1
BAR LP 22191	53	5.7	5.1	4.5	4.9	3.8	6.0	5.3	6.6	5.1
*LIGHTSPEED (PST-2DRG)	15	5.4	4.1	4.1	4.6	4.2	5.8	5.8	6.2	4.8
*DARK MATTER	69	5.4	4.3	4.1	4.6	3.8	5.7	5.4	6.2	4.8
BAR LP 22262	55	5.6	4.4	4.3	4.6	3.3	5.9	4.9	6.5	4.7
*BRIGHTSTAR SLT	62	5.4	3.8	4.1	4.5	3.8	5.8	5.4	6.2	4.7
NEXUS DK (SE-DK)	58	5.2	4.0	4.0	4.5	4.0	5.6	5.6	6.0	4.7
BAR LP 22263	56	5.6	4.3	4.2	4.6	3.4	5.9	4.9	6.4	4.7
BAR LP 22256	54	5.5	3.8	4.2	4.5	3.5	5.9	5.1	6.3	4.7
*PROMINENT II (TSC-CRS)	59	5.1	3.7	3.9	4.3	3.9	5.6	5.5	5.9	4.6
MRS-L-PR22	49	5.2	3.5	4.0	4.4	3.8	5.7	5.4	6.0	4.6
BSG-PR22	68	5.1	3.7	3.9	4.3	3.8	5.6	5.4	5.9	4.5
*GREENBACK	3	5.0	3.7	3.8	4.2	3.6	5.5	5.2	5.9	4.4
PST-2SPF	22	4.7	3.1	3.5	4.0	4.1	5.3	5.8	5.5	4.4
SEPR-2013	67	5.0	3.0	3.7	4.1	3.6	5.5	5.2	5.7	4.3
*LINN	81	4.5	1.6	3.1	3.2	2.1	5.0	3.7	5.2	3.3
LSD VALUE		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)		8.7	8.2	10.8	9.4	10.3	8.3	7.9	7.4	8.9

* COMMERCIALY AVAILABLE IN THE USA IN 2025

** 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 */
2024 DATA

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

NAME	ENTRY #	VA1	NE1	QE1	MEAN
PST-2ADS	13	6.3	6.6	6.4	6.4
APS	66	6.2	6.5	6.3	6.4
PPG-PR 620	27	6.2	6.5	6.3	6.3
GRAND SLAM G-LS (PPG-PR 637)	28	6.2	6.5	6.3	6.3
PERFORMANCE (NAI-PR5)	64	6.2	6.5	6.3	6.3
WICKED COOL (DLF-PR-3738)	82	6.2	6.4	6.2	6.3
PPG-PR 670	44	6.1	6.4	6.2	6.3
VORTEX SRT (PPG-PR 665)	40	6.1	6.4	6.2	6.2
DLF-PR-3729	73	6.1	6.4	6.2	6.2
PS4	52	6.1	6.4	6.2	6.2
RELIC (PPG-PR 611)	26	6.1	6.4	6.2	6.2
DLF-PR-3735	75	6.0	6.4	6.2	6.2
PST-2BGL	14	6.1	6.4	6.2	6.2
FASTBALL 4GL (PPG-PR 658)	35	6.1	6.4	6.2	6.2
PPG-PR 662	37	6.1	6.4	6.1	6.2
PPG-PR 667	42	6.1	6.3	6.1	6.2
SILETZ	9	6.1	6.4	6.2	6.2
IGNITION (PPG-PR 647)	34	6.0	6.4	6.2	6.2
PISTON	48	6.1	6.4	6.1	6.2
CJP1R	63	6.0	6.4	6.1	6.2
DLF-PR-3726	70	6.1	6.3	6.1	6.2
DLF-PR-3727	71	6.1	6.3	6.1	6.2
20PR10	51	6.1	6.3	6.1	6.2
HOMERUN G-LS (PPG-PR 644)	32	6.0	6.3	6.1	6.1
PST-2MES1	21	6.0	6.3	6.1	6.1
EXCEED (PPG-PR 668)	43	6.0	6.3	6.1	6.1
DLF-PR-3728	72	5.9	6.3	6.1	6.1
PPG-PR 643	31	5.9	6.3	6.1	6.1
ASPIRATION (DLF-PR-3736)	76	6.0	6.2	6.0	6.1
RPP3	65	6.0	6.3	6.1	6.1
GRAY EAGLE SLT (PST-2MEG)	60	6.0	6.3	6.1	6.1
GO-RUS22	12	6.0	6.2	6.0	6.1
PPG-PR 642	30	6.0	6.2	6.0	6.1
PVF-SGS5	50	6.0	6.2	6.0	6.1
PST-2GDS	17	5.9	6.2	6.0	6.1
LTP-NR	5	5.9	6.2	6.0	6.1
GO-RUS21	11	6.0	6.2	6.0	6.1
PPG-PR 666	41	6.0	6.2	6.0	6.1
PVF-RPP2	6	5.9	6.2	6.0	6.0
PPG-PR 664	39	5.9	6.2	6.0	6.0
STELLAR 4GL	7	5.9	6.2	6.0	6.0
PPG-PR 606	24	5.9	6.2	6.0	6.0
RC20-020	1	5.9	6.2	6.0	6.0
PPG-PR 610	25	5.9	6.2	6.0	6.0
SLIDER SG (PPG-PR 602)	23	5.9	6.2	6.0	6.0

TABLE 2. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2024 DATA

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

NAME	ENTRY #	VA1	NE1	QE1	MEAN
DLF-PR-3730	74	5.9	6.2	6.0	6.0
APPLE 4SGL (PPG-PR 663)	38	5.9	6.2	5.9	6.0
BAR LP 22191	53	5.9	6.1	5.9	6.0
SGP4	46	5.9	6.2	6.0	6.0
PPG-PR 661	36	5.9	6.2	5.9	6.0
ULTRA SPORT (PST-2HAF20)	19	5.9	6.2	5.9	6.0
BAR LP 22256	54	5.9	6.1	5.9	6.0
LTP-RPP4	2	5.8	6.2	6.0	6.0
SUNDOWN (BY-PS2)	4	5.8	6.1	5.9	6.0
ALPHA CENTAURI	79	5.9	6.1	5.9	6.0
BAR LP 22174	57	5.9	6.1	5.9	6.0
PST-2HFM	20	5.8	6.1	5.9	6.0
HIGH OCTANE	47	5.8	6.1	5.9	6.0
BAR LP 22262	55	5.9	6.1	5.9	5.9
PPG-PR 639	29	5.8	6.1	5.9	5.9
QUASAR	80	5.8	6.1	5.9	5.9
BAR LP 22263	56	5.8	6.0	5.8	5.9
DLF-PR-3737	77	5.8	6.1	5.9	5.9
PST-2E6	61	5.8	6.1	5.9	5.9
FLIGHTLINE (PST-214)	18	5.8	6.0	5.9	5.9
PPG-PR 646	33	5.7	6.1	5.9	5.9
DLF-LGT-3066	83	5.8	6.0	5.8	5.9
BRIGHTSTAR SLT	62	5.8	6.0	5.8	5.9
PPG-PR671	45	5.8	6.0	5.8	5.9
STINGER (PST-2EGY)	16	5.8	6.0	5.8	5.9
HOMERUN LS	8	5.7	6.0	5.8	5.9
LIGHTSPEED (PST-2DRG)	15	5.7	6.0	5.8	5.8
GO-RUS20	10	5.7	5.9	5.7	5.8
MRS-L-PR22	49	5.7	5.9	5.7	5.7
DARK MATTER	69	5.6	5.9	5.7	5.7
KARMA	78	5.6	5.9	5.7	5.7
NEXUS DK (SE-DK)	58	5.5	5.8	5.6	5.6
BSG-PR22	68	5.5	5.8	5.6	5.6
PROMINENT II (TSC-CRS)	59	5.5	5.7	5.5	5.6
SEPR-2013	67	5.4	5.7	5.5	5.5
GREENBACK	3	5.4	5.6	5.4	5.5
PST-2SPF	22	5.2	5.5	5.3	5.3
LINN	81	5.1	5.3	5.1	5.1
LSD VALUE		0.8	0.8	0.8	0.8
C.V. (%)		8.6	8.2	8.5	8.4

* 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 THREE LOCATIONS 1/
 IN THE NORTHEAST REGION
 2024 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	NJ2	QE1	MEAN
APS	6.1	7.8	6.7	6.9
SGP4	6.3	8.1	6.1	6.8
PPG-PR 662	5.9	8.0	6.3	6.8
SILETZ	6.2	8.0	6.1	6.8
PPG-PR 664	5.9	8.0	6.3	6.7
GRAND SLAM G-LS (PPG-PR 637)	6.2	7.5	6.2	6.7
FASTBALL 4GL (PPG-PR 658)	6.4	7.0	6.6	6.7
EXCEED (PPG-PR 668)	6.2	7.4	6.3	6.6
HOMERUN G-LS (PPG-PR 644)	6.0	8.0	5.8	6.6
PPG-PR 661	6.3	7.4	6.2	6.6
CJP1R	6.0	7.5	6.3	6.6
PPG-PR 642	6.1	7.7	5.9	6.6
PVF-RPP2	5.8	7.3	6.7	6.6
LTP-RPP4	5.9	7.7	6.2	6.6
DLF-PR-3726	6.2	7.2	6.3	6.6
PPG-PR 639	6.3	7.8	5.6	6.5
QUASAR	5.9	7.7	5.9	6.5
PVF-SGS5	6.3	7.6	5.7	6.5
SLIDER SG (PPG-PR 602)	6.1	7.4	6.0	6.5
RELIC (PPG-PR 611)	6.1	7.5	5.9	6.5
ALPHA CENTAURI	6.1	7.6	5.8	6.5
PPG-PR 666	6.3	7.1	6.0	6.5
WICKED COOL (DLF-PR-3738)	6.4	7.1	5.8	6.5
VORTEX SRT (PPG-PR 665)	6.2	6.7	6.4	6.4
PPG-PR671	6.3	6.9	6.1	6.4
PPG-PR 646	6.0	7.3	6.0	6.4
APPLE 4SGL (PPG-PR 663)	6.1	7.1	6.1	6.4
DLF-PR-3728	6.0	7.2	6.1	6.4
DLF-PR-3730	6.1	7.4	5.8	6.4
PPG-PR 606	6.0	7.1	6.2	6.4
GO-RUS21	6.0	7.1	6.1	6.4
PPG-PR 620	5.8	7.1	6.2	6.4
PERFORMANCE (NAI-PR5)	6.0	6.6	6.6	6.4
PPG-PR 670	6.4	6.5	6.2	6.4
PISTON	6.0	6.4	6.6	6.3
PPG-PR 667	5.9	7.0	6.1	6.3
PST-2ADS	6.1	6.5	6.3	6.3
IGNITION (PPG-PR 647)	6.1	6.3	6.4	6.3
ULTRA SPORT (PST-2HAF20)	5.8	6.8	6.2	6.3
PPG-PR 610	6.1	7.0	5.7	6.2
DLF-PR-3729	5.9	6.5	6.2	6.2
STELLAR 4GL	5.9	6.5	6.1	6.2
PPG-PR 643	6.0	6.8	5.6	6.1
20PR10	6.0	6.3	6.1	6.1
DLF-PR-3727	6.3	6.1	5.9	6.1

TABLE 3.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CT1	NJ2	QE1	MEAN
LTP-NR	5.6	6.7	5.9	6.0
ASPIRATION (DLF-PR-3736)	5.6	6.1	6.4	6.0
SUNDOWN (BY-PS2)	6.0	6.2	5.7	6.0
HIGH OCTANE	5.9	6.5	5.4	6.0
PS4	6.1	5.8	5.9	5.9
STINGER (PST-2EGY)	5.8	6.5	5.5	5.9
RPP3	5.7	6.6	5.4	5.9
PST-2HFM	5.6	6.2	6.0	5.9
PST-2GDS	5.8	6.0	6.0	5.9
PST-2BGL	5.5	5.9	6.3	5.9
HOMERUN LS	5.9	5.8	6.0	5.9
GO-RUS22	5.6	5.9	6.2	5.9
DLF-PR-3737	6.0	5.5	6.2	5.9
DLF-LGT-3066	5.4	6.4	5.8	5.9
GO-RUS20	5.6	6.4	5.4	5.8
PST-2MES1	5.9	5.9	5.6	5.8
GRAY EAGLE SLT (PST-2MEG)	5.5	5.9	5.8	5.8
FLIGHTLINE (PST-214)	5.6	5.1	6.5	5.7
BAR LP 22191	5.9	5.0	6.1	5.7
DLF-PR-3735	5.3	5.6	6.0	5.6
PST-2E6	5.4	5.4	5.8	5.5
KARMA	5.6	5.0	5.7	5.4
BAR LP 22262	5.7	4.4	5.7	5.3
RC20-020	5.8	4.1	5.9	5.3
BAR LP 22174	5.4	4.6	5.7	5.2
BAR LP 22263	5.7	4.3	5.6	5.2
LIGHTSPEED (PST-2DRG)	5.2	4.1	5.6	5.0
BAR LP 22256	5.6	3.7	5.7	5.0
BRIGHTSTAR SLT	5.2	3.9	5.8	5.0
GREENBACK	5.1	3.9	5.8	4.9
NEXUS DK (SE-DK)	5.1	4.0	5.6	4.9
DARK MATTER	5.3	4.2	5.2	4.9
MRSI-PR22	5.1	3.6	5.8	4.8
BSG-PR22	5.0	3.8	5.5	4.8
PROMINENT II (TSC-CRS)	5.1	3.7	5.2	4.7
PST-2SPF	5.0	3.3	5.5	4.6
SEPR-2013	5.0	3.1	5.6	4.6
LINN	4.7	1.7	5.6	4.0
LSD VALUE	0.4	1.0	1.0	0.5
C.V. (%)	4.2	9.6	10.0	8.5

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 4.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT BLACKSBURG, VA (IN THE TRANSITION REGION)
2024 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS							
NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PPG-PR 662	7.3	6.3	6.7	6.7	7.0	6.3	6.7
RELIC (PPG-PR 611)	7.0	6.0	6.3	5.7	8.0	7.0	6.7
PST-2MES1	6.3	5.7	7.3	6.3	7.3	6.3	6.6
PPG-PR 620	6.3	5.3	6.3	6.3	7.7	7.0	6.5
DLF-PR-3727	6.7	5.7	6.3	6.7	7.0	6.3	6.4
DLF-PR-3729	6.7	6.0	6.7	6.0	7.0	6.0	6.4
GRAY EAGLE SLT (PST-2MEG)	6.0	6.0	6.7	6.3	6.7	6.7	6.4
GRAND SLAM G-LS (PPG-PR 637)	7.0	5.7	6.0	6.7	6.7	5.7	6.3
PST-2ADS	6.7	6.3	6.7	6.7	5.7	5.7	6.3
ALPHA CENTAURI	6.7	5.7	6.3	5.7	7.0	6.3	6.3
HOMERUN G-LS (PPG-PR 644)	6.7	6.7	6.7	6.3	6.0	5.3	6.3
PERFORMANCE (NAI-PR5)	6.0	6.0	6.3	6.0	6.7	6.7	6.3
RPP3	7.0	6.3	6.7	5.7	6.3	5.7	6.3
BAR LP 22174	6.0	5.0	6.0	6.3	7.3	6.7	6.2
GO-RUS22	7.0	6.3	7.0	6.3	5.7	5.0	6.2
PPG-PR 610	7.0	5.7	6.7	6.0	6.3	5.7	6.2
LTP-RPP4	7.0	6.3	6.0	6.3	5.7	6.0	6.2
APS	5.7	6.0	6.7	5.7	7.0	6.0	6.2
PISTON	7.7	6.0	6.3	6.0	5.7	5.3	6.2
PST-2BGL	6.3	6.7	5.7	6.0	6.0	6.3	6.2
PST-2GDS	7.3	6.0	5.7	6.3	6.0	5.7	6.2
STINGER (PST-2EGY)	7.0	6.0	5.3	6.3	6.7	5.7	6.2
VORTEX SRT (PPG-PR 665)	6.7	5.7	6.3	6.3	6.0	6.0	6.2
EXCEED (PPG-PR 668)	7.7	6.0	7.0	5.3	5.0	5.7	6.1
PPG-PR 643	6.7	5.7	7.0	5.7	6.0	5.7	6.1
ULTRA SPORT (PST-2HAF20)	7.0	5.3	5.3	6.0	7.0	6.0	6.1
LTP-NR	6.7	6.3	7.0	6.0	5.3	5.0	6.1
PPG-PR 606	5.7	5.7	6.0	6.0	7.0	6.0	6.1
PPG-PR 639	7.0	6.0	6.7	6.0	5.3	5.3	6.1
BRIGHTSTAR SLT	6.0	5.0	5.7	6.7	7.0	5.7	6.0
DLF-PR-3726	7.0	5.7	5.7	6.0	6.0	5.7	6.0
DLF-PR-3735	6.7	6.3	5.3	6.0	5.7	6.0	6.0
GO-RUS20	7.0	5.7	6.3	5.7	6.0	5.3	6.0
PPG-PR 667	6.3	5.3	7.0	6.0	6.0	5.3	6.0
PPG-PR 670	6.7	6.3	6.7	6.0	5.3	5.0	6.0
SILETZ	6.7	5.7	6.3	6.0	6.0	5.3	6.0
WICKED COOL (DLF-PR-3738)	6.7	5.7	7.0	6.0	5.0	5.7	6.0
DARK MATTER	6.7	4.7	5.3	5.7	6.7	6.7	5.9
PROMINENT II (TSC-CRS)	6.0	4.7	5.0	6.3	6.7	7.0	5.9
CJP1R	6.7	6.3	7.0	5.7	5.0	5.0	5.9
PPG-PR 642	6.3	6.0	6.7	5.3	5.7	5.7	5.9
RC20-020	6.7	6.3	6.3	6.3	5.0	5.0	5.9
BSG-PR22	6.0	5.0	4.7	6.7	6.3	6.7	5.9
HIGH OCTANE	7.7	6.0	6.3	5.7	4.7	5.0	5.9
BAR LP 22263	5.3	5.3	6.3	6.7	5.7	5.7	5.8

TABLE 4.
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT BLACKSBURG, VA (IN THE TRANSITION REGION)
2024 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS							
NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DLF-PR-3728	6.7	6.3	5.7	5.3	5.3	5.7	5.8
GO-RUS21	6.7	5.7	7.0	5.0	5.3	5.3	5.8
PPG-PR 664	7.0	6.0	7.0	5.0	5.0	5.0	5.8
PS4	7.0	5.3	6.7	5.7	5.3	5.0	5.8
PPG-PR 661	6.3	6.0	6.3	5.3	5.0	5.7	5.8
SGP4	7.0	6.0	6.3	5.0	5.3	5.0	5.8
20PR10	6.0	5.3	6.7	5.7	5.7	5.0	5.7
BAR LP 22191	5.7	5.0	6.0	6.0	6.0	5.7	5.7
NEXUS DK (SE-DK)	5.7	5.0	4.7	6.7	6.0	6.3	5.7
QUASAR	7.0	5.3	6.0	5.3	5.3	5.3	5.7
DLF-LGT-3066	7.0	6.0	6.0	5.7	4.7	5.0	5.7
KARMA	6.0	5.3	5.0	6.3	5.7	6.0	5.7
ASPIRATION (DLF-PR-3736)	7.0	5.7	5.7	6.0	4.7	5.0	5.7
BAR LP 22256	5.3	5.7	5.7	5.3	6.0	6.0	5.7
DLF-PR-3730	6.7	5.3	6.7	5.3	5.0	5.0	5.7
FASTBALL 4GL (PPG-PR 658)	6.7	4.7	5.7	5.7	6.0	5.3	5.7
PST-2E6	5.7	5.0	5.3	5.7	6.3	6.0	5.7
PVF-SGS5	6.7	5.7	6.3	5.7	4.7	5.0	5.7
SEPR-2013	5.3	5.0	5.3	6.0	6.7	5.7	5.7
SLIDER SG (PPG-PR 602)	5.7	6.0	6.0	5.3	5.7	5.3	5.7
APPLE 4SGL (PPG-PR 663)	7.3	6.0	6.7	5.0	4.3	4.3	5.6
PPG-PR671	6.0	5.7	6.3	6.0	5.3	4.3	5.6
BAR LP 22262	6.0	5.3	5.7	5.0	6.0	5.7	5.6
STELLAR 4GL	6.3	6.7	6.3	5.0	4.7	4.7	5.6
GREENBACK	6.0	5.3	5.0	6.0	5.7	5.3	5.6
PST-2HFM	6.0	5.0	6.0	5.7	5.3	5.3	5.6
HOMERUN LS	6.0	6.0	5.3	5.7	5.0	5.0	5.5
IGNITION (PPG-PR 647)	6.7	5.3	5.7	5.0	5.0	5.3	5.5
PST-2SPF	6.0	5.0	4.7	6.3	5.3	5.7	5.5
FLIGHTLINE (PST-214)	6.3	4.3	4.3	6.7	6.0	5.0	5.4
PPG-PR 646	7.0	5.7	6.0	5.0	4.3	4.7	5.4
PVF-RPP2	6.3	5.7	6.3	5.3	4.7	4.3	5.4
PPG-PR 666	6.7	6.0	6.7	4.7	4.0	4.7	5.4
LIGHTSPEED (PST-2DRG)	6.0	5.0	5.7	5.3	5.3	5.0	5.4
MRSI-PR22	5.7	5.0	5.3	5.0	5.3	6.0	5.4
DLF-PR-3737	5.7	4.7	5.0	5.3	5.3	5.3	5.2
SUNDOWN (BY-PS2)	6.0	5.3	6.3	5.3	4.0	4.3	5.2
LINN	4.0	4.0	4.0	5.0	4.7	4.3	4.3
LSD VALUE	1.3	1.3	1.6	1.7	2.3	1.8	0.9
C.V. (%)	12.1	14.3	16.8	17.9	24.4	19.9	9.5

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

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

TABLE 5.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT SIX LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2024 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IN1	MN1	NE1	OH1	ON1	MEAN
APS	6.3	6.5	5.8	6.6	5.1	7.4	6.3
GRAND SLAM G-LS (PPG-PR 637)	6.8	5.5	6.1	6.3	5.2	7.7	6.2
SILETZ	6.5	6.2	5.7	6.4	5.2	7.4	6.2
DLF-PR-3735	6.3	5.7	6.4	6.6	5.2	7.0	6.2
PST-2ADS	6.6	5.7	5.6	6.4	5.5	7.4	6.2
PVF-SGS5	6.4	6.2	5.7	6.3	5.4	7.1	6.2
PPG-PR 620	7.0	5.6	5.6	6.4	5.1	7.3	6.2
DLF-PR-3728	6.0	6.2	6.2	6.3	4.8	7.5	6.2
CJF1R	6.5	6.3	5.7	6.5	4.8	7.0	6.1
HOMERUN G-LS (PPG-PR 644)	6.6	5.6	5.7	6.3	5.4	7.1	6.1
WICKED COOL (DLF-PR-3738)	6.5	5.8	5.1	6.4	5.5	7.3	6.1
PPG-PR 642	6.7	5.8	5.7	6.2	4.9	7.0	6.0
PPG-PR 643	6.7	5.5	5.9	6.5	4.8	6.8	6.0
IGNITION (PPG-PR 647)	6.8	5.8	5.6	6.0	4.7	7.2	6.0
RPP3	6.4	6.0	5.5	6.3	5.1	6.7	6.0
SGP4	6.1	6.2	5.5	6.1	5.2	6.9	6.0
FASTBALL 4GL (PPG-PR 658)	6.1	6.0	5.6	6.5	4.5	7.2	6.0
DLF-PR-3730	6.2	5.8	5.4	6.3	5.0	7.1	6.0
DLF-PR-3729	6.3	6.0	5.8	6.4	4.7	6.8	6.0
PS4	6.3	5.6	5.4	6.2	5.0	7.2	6.0
SUNDOWN (BY-PS2)	6.3	5.5	5.9	6.0	4.8	7.3	6.0
DLF-PR-3726	6.1	5.9	5.2	6.2	5.3	7.1	6.0
LTP-NR	6.3	5.8	5.4	6.1	5.4	6.8	6.0
20PR10	6.6	5.4	5.2	6.0	5.1	7.4	5.9
PVF-RPP2	6.2	5.5	5.6	6.2	4.8	7.3	5.9
PISTON	6.0	5.7	6.0	6.0	4.9	7.1	5.9
STELLAR 4GL	6.1	5.9	5.6	6.0	4.9	7.2	5.9
PPG-PR 666	6.0	5.8	5.0	6.2	5.2	7.4	5.9
QUASAR	6.1	6.1	5.3	6.0	4.8	7.2	5.9
PPG-PR 667	6.1	5.9	4.6	6.6	5.0	7.4	5.9
PPG-PR 670	6.1	6.1	5.0	6.6	4.6	7.1	5.9
EXCEED (PPG-PR 668)	6.1	6.0	5.4	6.2	5.2	6.6	5.9
PPG-PR 664	6.1	5.4	5.1	6.5	5.3	7.0	5.9
SLIDER SG (PPG-PR 602)	6.2	5.7	5.2	6.4	4.8	7.0	5.9
PERFORMANCE (NAI-PR5)	6.3	6.0	4.9	6.3	5.0	6.8	5.9
GO-RUS21	6.5	5.5	5.0	5.9	5.1	7.1	5.9
PST-2BGL	6.2	5.6	5.0	6.0	4.8	7.6	5.9
PPG-PR 646	6.3	5.8	5.7	6.2	4.9	6.3	5.9
LTP-RPP4	6.4	5.5	5.9	6.1	4.0	7.2	5.9
VORTEX SRT (PPG-PR 665)	6.3	5.7	5.1	6.5	4.7	6.8	5.8
RELIC (PPG-PR 611)	6.8	5.7	4.4	6.3	4.7	7.2	5.8
PST-2HFM	6.0	5.5	5.6	6.4	4.8	6.7	5.8
HIGH OCTANE	6.1	5.6	5.3	6.3	4.9	6.7	5.8
PPG-PR 639	6.2	5.2	5.1	6.2	5.1	7.0	5.8
PPG-PR 662	6.2	5.4	4.4	6.4	5.5	6.9	5.8

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT SIX LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IN1	MN1	NE1	OH1	ON1	MEAN
ALPHA CENTAURI	5.5	6.1	4.8	6.2	4.8	7.0	5.8
APPLE 4SGL (PPG-PR 663)	6.2	5.4	4.7	6.4	5.0	6.8	5.7
ASPIRATION (DLF-PR-3736)	6.3	5.8	4.4	6.1	4.6	7.2	5.7
GRAY EAGLE SLT (PST-2MEG)	6.2	5.3	5.1	6.3	4.9	6.6	5.7
PPG-PR 610	6.3	5.4	4.9	6.3	4.8	6.6	5.7
PPG-PR 661	5.6	5.9	4.7	6.3	4.6	7.3	5.7
PST-2MES1	6.1	4.7	5.3	6.2	5.0	6.9	5.7
DLF-PR-3727	6.2	5.9	4.7	6.2	4.9	6.2	5.7
PPG-PR 606	6.2	5.1	4.8	6.1	5.0	6.9	5.7
PST-2GDS	6.1	5.0	5.0	6.3	4.8	6.7	5.6
ULTRA SPORT (PST-2HAF20)	6.2	4.9	5.2	6.2	4.7	6.6	5.6
GO-RUS22	6.0	5.2	4.7	6.1	4.5	7.0	5.6
STINGER (PST-2EGY)	5.7	5.2	4.9	6.3	4.6	6.7	5.6
DLF-LGT-3066	6.5	5.3	4.1	6.0	4.6	6.9	5.5
PST-2E6	5.8	4.9	4.8	6.2	5.0	6.4	5.5
PPG-PR671	6.1	5.3	4.7	6.1	4.7	6.1	5.5
DLF-PR-3737	5.9	5.8	4.4	6.0	4.2	6.6	5.5
RC20-020	5.8	5.3	4.9	6.0	4.5	6.2	5.4
HOMERUN LS	6.5	5.2	4.6	6.0	4.2	6.1	5.4
GO-RUS20	6.0	5.3	4.2	6.1	4.0	6.8	5.4
BAR LP 22174	6.1	5.1	4.4	5.5	4.1	7.1	5.4
FLIGHTLINE (PST-214)	6.0	5.0	5.1	6.0	3.7	6.4	5.4
BAR LP 22191	5.9	5.1	3.7	5.9	4.7	6.6	5.3
BAR LP 22256	6.2	4.2	3.8	5.8	4.5	6.9	5.2
LIGHTSPEED (PST-2DRG)	6.3	4.6	4.1	6.3	3.8	6.3	5.2
KARMA	5.2	5.1	4.2	5.9	3.9	6.8	5.2
BAR LP 22262	6.3	4.2	3.3	6.0	4.2	6.8	5.1
BAR LP 22263	6.1	4.8	3.3	5.9	3.8	6.7	5.1
DARK MATTER	4.9	4.8	3.7	6.2	4.3	6.7	5.1
BRIGHTSTAR SLT	6.0	4.0	3.6	5.8	4.6	6.2	5.0
MRSI-PR22	5.5	4.0	3.8	6.2	4.0	6.2	5.0
NEXUS DK (SE-DK)	5.1	4.5	3.9	5.9	4.2	6.1	4.9
PROMINENT II (TSC-CRS)	5.5	4.5	3.9	5.8	4.0	5.6	4.9
BSG-PR22	5.2	4.1	3.6	6.0	4.4	5.6	4.8
GREENBACK	5.0	3.9	3.8	5.9	3.7	5.8	4.7
SEPR-2013	5.3	4.1	3.7	5.7	3.6	5.4	4.6
PST-2SPF	6.0	4.2	4.6	5.3	3.3	4.1	4.6
LINN	5.2	3.6	1.7	5.7	2.8	4.8	3.9
LSD VALUE	0.8	1.0	0.8	0.4	0.7	0.8	0.3
C.V. (%)	8.2	12.1	9.8	4.5	9.8	7.3	8.6

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

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

TABLE 6.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2024 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
GRAND SLAM G-LS (PPG-PR 637)	6.7	8.0	8.0	8.0	7.7	7.3	8.0	8.0	7.7	8.7	8.0	7.7
PPG-PR 643	7.3	7.7	7.7	7.3	7.0	7.3	7.7	7.7	8.3	8.3	8.0	7.7
HOMERUN G-LS (PPG-PR 644)	8.0	8.0	8.0	7.7	7.3	7.0	7.3	7.3	7.7	7.7	7.3	7.7
DLF-PR-3728	7.3	7.3	7.7	7.7	7.0	7.3	7.3	7.0	7.7	8.3	8.0	7.7
LTP-RPP4	7.7	7.3	7.3	7.3	7.3	7.0	7.7	7.3	8.0	8.0	7.3	7.7
PPG-PR 664	7.0	7.0	7.3	7.0	6.7	7.3	8.0	8.0	8.7	8.3	7.0	7.3
DLF-PR-3729	6.7	7.3	7.7	7.7	7.0	7.3	7.3	7.3	7.7	8.0	8.0	7.3
PPG-PR 670	7.0	7.0	7.7	7.7	7.3	7.0	7.3	7.3	8.0	8.3	7.0	7.3
PST-2ADS	6.7	7.0	7.3	7.3	6.7	6.7	7.3	7.7	7.3	8.7	8.3	7.7
APS	7.0	7.3	7.3	7.0	7.0	7.0	8.0	8.0	7.3	7.7	7.3	7.3
PS4	6.7	7.0	7.0	7.0	7.3	7.3	7.7	7.7	7.3	8.3	7.7	7.3
DLF-PR-3735	6.7	7.7	7.7	7.7	7.3	7.3	7.3	6.7	7.3	7.3	7.3	7.3
CJPIR	7.7	7.7	7.7	7.0	7.0	6.7	7.0	7.0	7.0	7.3	7.7	7.7
PERFORMANCE (NAI-PR5)	6.7	7.0	7.7	7.7	6.7	6.7	7.0	7.0	7.3	8.0	7.7	7.7
SILETZ	6.7	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.7	7.3	7.0
IGNITION (PPG-PR 647)	6.7	7.7	7.7	7.7	6.7	6.3	7.0	7.3	7.3	7.7	7.3	7.3
FASTBALL 4GL (PPG-PR 658)	7.3	7.0	7.0	7.0	6.7	6.7	7.0	7.0	7.7	8.0	7.0	7.3
PPG-PR 646	7.3	6.7	7.3	7.3	7.0	6.7	6.7	6.7	7.3	7.7	7.3	7.3
PST-2BGL	7.3	7.3	7.7	7.7	6.7	6.7	6.7	6.3	7.0	7.3	7.0	7.3
PST-2E6	6.7	6.7	7.0	7.0	7.3	6.7	7.3	7.0	6.7	8.0	7.3	7.3
SGP4	6.7	7.0	7.7	7.7	6.3	6.7	6.7	6.3	7.0	8.3	7.0	7.0
PVF-RPP2	7.3	7.0	7.3	7.3	6.7	6.7	7.0	6.3	7.0	7.0	7.0	7.3
VORTEX SRT (PPG-PR 665)	6.0	6.7	7.3	7.7	7.0	7.0	7.7	8.0	7.3	7.0	6.0	6.3
EXCEED (PPG-PR 668)	5.7	6.3	6.7	6.7	6.7	7.0	8.7	7.7	7.3	8.3	6.3	6.3
WICKED COOL (DLF-PR-3738)	6.3	6.3	7.0	7.0	6.7	6.7	6.7	6.7	7.0	8.0	7.7	7.3
RPP3	6.7	7.3	7.3	7.0	7.0	6.3	6.7	6.7	7.0	7.3	6.7	7.0
PST-2MES1	6.3	6.7	6.7	6.7	6.0	6.7	7.7	7.7	7.0	7.3	7.0	7.0
SUNDOWN (BY-PS2)	6.0	7.3	7.3	7.3	7.0	6.0	6.0	6.0	7.3	8.0	7.0	7.0
PST-2GDS	6.7	6.7	7.0	7.0	7.3	6.7	6.7	6.7	7.0	7.0	6.0	6.7
RELIC (PPG-PR 611)	6.0	6.7	7.0	6.7	7.0	6.7	6.7	6.7	7.0	7.3	6.7	6.7
HOMERUN LS	6.7	6.7	7.3	7.3	6.3	6.3	6.7	6.7	7.0	7.3	6.0	6.3
STELLAR 4GL	6.7	6.3	6.3	6.3	6.7	5.3	6.3	6.7	7.0	8.0	7.7	7.3
GRAY EAGLE SLT (PST-2MEG)	7.0	6.3	6.7	6.7	6.3	6.3	6.7	6.7	7.0	6.7	6.7	7.3
RC20-020	7.0	6.7	7.3	7.3	7.0	6.0	6.3	6.3	6.3	7.0	6.0	7.0
DLF-PR-3730	5.7	6.3	7.0	7.0	6.7	6.7	7.0	7.0	7.0	8.0	5.7	6.0
PPG-PR 639	5.3	6.0	6.3	6.3	7.0	7.3	7.3	7.0	6.3	8.0	6.7	6.3
PPG-PR 661	6.7	7.0	7.0	6.7	6.7	6.7	7.0	6.7	6.7	6.3	6.0	6.7
DLF-PR-3737	5.3	6.3	6.7	6.3	7.3	7.0	7.3	7.3	7.0	7.7	5.3	5.7
PPG-PR671	6.0	6.7	7.0	7.0	7.0	6.7	7.0	7.3	6.7	6.7	5.3	6.0
PPG-PR 610	5.7	6.0	6.3	6.3	6.3	6.0	6.7	7.0	6.7	8.3	7.3	6.7
HIGH OCTANE	6.3	6.3	6.3	6.3	7.0	6.3	6.7	6.3	6.7	7.3	6.7	6.7
PPG-PR 620	6.7	6.7	6.7	6.3	6.7	6.7	7.0	6.7	6.3	6.0	6.0	6.7
LTP-NR	6.0	6.0	6.7	6.7	6.3	5.7	6.7	7.0	7.3	7.3	6.0	6.3
PPG-PR 606	6.3	5.7	6.0	6.3	6.7	7.3	7.0	6.3	6.3	7.3	6.0	6.3
PPG-PR 662	5.3	6.3	7.0	7.0	7.0	7.0	7.3	7.0	6.7	5.7	5.3	5.7

TABLE 6.
(CONT'D)TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2024 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
SLIDER SG (PPG-PR 602)	5.7	6.0	6.7	6.7	6.3	6.3	6.7	6.7	6.7	7.3	6.0	6.3	6.4
QUASAR	5.7	6.3	6.7	6.3	6.0	6.7	6.7	6.7	6.7	7.3	6.0	6.0	6.4
PPG-PR 642	6.3	7.0	7.0	6.7	6.3	5.3	6.0	6.0	6.3	6.7	6.3	6.7	6.4
PST-2HFM	6.3	6.3	6.7	6.7	6.0	6.3	6.7	6.7	6.0	6.7	6.0	6.3	6.4
APPLE 4SGL (PPG-PR 663)	5.3	6.3	6.3	6.0	6.7	6.3	7.3	7.7	6.7	7.0	5.0	5.3	6.3
GO-RUS21	5.3	6.0	6.7	6.7	7.0	6.7	7.0	6.7	6.0	6.7	5.7	5.7	6.3
ALPHA CENTAURI	5.3	5.7	6.3	6.7	6.0	6.3	6.7	6.7	6.3	7.3	6.3	6.0	6.3
FLIGHTLINE (PST-214)	6.7	6.3	6.3	6.0	6.7	6.0	6.0	5.7	6.0	6.7	6.3	7.0	6.3
PPG-PR 667	5.3	5.3	6.0	6.0	6.3	6.0	6.7	7.0	6.7	7.3	6.0	6.0	6.2
ULTRA SPORT (PST-2HAF20)	6.0	6.0	6.0	5.7	6.7	6.0	6.0	5.7	6.0	7.3	6.7	6.7	6.2
KARMA	4.7	6.3	6.7	6.3	6.3	6.0	7.0	7.3	6.3	6.7	5.0	5.0	6.1
PVF-SGS5	5.3	5.7	6.0	6.0	6.0	5.7	6.0	6.0	6.0	7.7	6.3	6.3	6.1
PISTON	5.7	6.0	6.3	6.0	5.7	5.0	6.0	6.3	6.0	6.7	5.7	6.0	5.9
PPG-PR 666	4.7	5.7	6.0	6.0	5.7	6.0	6.7	7.0	6.0	7.3	5.0	5.3	5.9
GO-RUS22	5.0	5.7	5.7	5.7	6.0	6.0	6.3	6.7	6.3	7.0	5.3	5.3	5.9
20PR10	5.3	5.0	5.0	5.0	5.7	5.7	6.3	6.3	6.7	7.7	6.0	6.0	5.9
LIGHTSPEED (PST-2DRG)	4.7	6.0	6.0	6.0	5.7	6.0	6.3	6.3	5.7	6.0	5.7	5.3	5.8
STINGER (PST-2EGY)	5.7	6.0	6.3	6.3	5.3	5.3	5.3	5.3	5.7	6.3	6.0	6.0	5.8
BRIGHTSTAR SLT	4.7	5.7	6.0	6.0	5.7	6.3	7.0	7.3	6.0	5.7	4.3	4.7	5.8
NEXUS DK (SE-DK)	5.7	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.3	6.0	5.7	5.7	5.8
ASPIRATION (DLF-PR-3736)	4.3	5.3	5.7	5.7	6.0	6.7	6.7	6.7	5.7	5.7	5.0	5.0	5.7
BSG-PR22	5.3	5.7	6.0	6.0	5.3	6.0	6.0	6.0	5.3	5.3	5.3	5.7	5.7
DLF-PR-3726	5.3	5.3	5.7	5.7	5.7	5.3	6.0	6.0	5.7	6.3	5.3	5.7	5.7
DLF-PR-3727	5.0	5.3	6.0	6.3	5.7	5.7	5.7	5.3	5.7	5.7	5.7	5.7	5.6
GO-RUS20	4.3	6.0	6.3	6.3	5.7	5.7	6.0	6.0	5.3	6.0	5.0	5.0	5.6
DARK MATTER	5.0	5.7	5.7	5.7	5.7	5.3	6.0	6.3	6.0	5.3	4.7	5.0	5.5
BAR LP 22174	4.0	5.0	5.7	5.7	6.0	6.0	6.7	6.7	5.3	6.0	4.7	4.7	5.5
MRS-L-PR22	5.0	5.7	5.7	5.7	5.7	5.0	5.7	6.0	5.3	5.3	5.0	5.3	5.4
BAR LP 22191	4.0	5.0	5.3	5.7	5.3	6.0	6.7	7.0	6.0	4.7	4.7	4.7	5.4
PROMINENT II (TSC-CRS)	5.0	5.3	5.7	5.7	5.7	5.0	6.0	6.0	5.7	5.3	4.7	5.0	5.4
DLF-LGT-3066	4.3	5.0	5.7	5.7	5.7	5.7	6.0	6.0	5.3	5.0	4.3	4.7	5.3
PST-2SPF	5.7	6.0	5.7	4.7	4.7	5.0	5.0	5.0	4.7	5.3	4.7	5.3	5.1
GREENBACK	4.3	4.7	5.0	5.0	5.0	5.0	6.0	6.0	5.7	5.3	4.3	4.7	5.1
SEPR-2013	5.0	5.0	5.3	5.3	5.3	5.0	5.3	5.3	5.0	4.7	4.7	5.0	5.1
BAR LP 22262	4.0	5.3	5.3	5.3	5.3	5.3	6.0	5.7	5.0	5.0	4.0	4.0	5.0
BAR LP 22263	4.3	4.7	5.0	5.0	5.7	5.3	5.3	5.0	4.7	5.7	4.3	4.3	4.9
BAR LP 22256	4.3	4.7	4.7	4.7	5.3	4.7	5.3	5.7	5.0	5.0	4.3	4.7	4.9
LINN	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.7	3.7	4.0	3.9
LSD VALUE	1.1	1.3	1.4	1.5	1.2	1.2	1.2	1.4	1.4	1.5	1.3	1.0	0.9
C.V. (%)	11.2	13.0	13.6	13.9	12.2	11.7	11.4	13.3	13.5	13.9	13.2	9.9	8.3

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

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

TABLE 7.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER FAIRWAY CONDITIONS AT THREE LOCATIONS 1/
2024 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	IN2	UT1	VA2	MEAN
PPG-PR 670	6.3	7.1	6.6	6.7
SILETZ	6.0	7.0	6.5	6.5
PPG-PR 664	6.0	6.8	6.7	6.5
EXCEED (PPG-PR 668)	5.8	6.9	6.7	6.5
DLF-PR-3726	5.9	7.0	6.4	6.5
ASPIRATION (DLF-PR-3736)	5.6	7.3	6.4	6.4
PPG-PR 662	5.7	7.1	6.5	6.4
QUASAR	5.8	6.7	6.8	6.4
STINGER (PST-2EGY)	6.0	6.7	6.6	6.4
VORTEX SRT (PPG-PR 665)	5.7	7.0	6.4	6.4
DLF-PR-3728	5.8	6.9	6.5	6.4
DLF-PR-3727	6.0	6.7	6.4	6.4
APPLE 4SGL (PPG-PR 663)	5.2	7.0	6.9	6.4
PPG-PR 667	5.4	7.0	6.6	6.3
ALPHA CENTAURI	6.1	6.3	6.6	6.3
PPG-PR 642	5.5	6.8	6.8	6.3
APS	5.6	7.0	6.4	6.3
PVF-SGS5	5.4	6.7	6.9	6.3
PPG-PR 661	5.5	6.7	6.7	6.3
20PR10	5.2	7.0	6.7	6.3
GRAND SLAM G-LS (PPG-PR 637)	5.5	6.8	6.5	6.2
PS4	5.5	7.0	6.2	6.2
WICKED COOL (DLF-PR-3738)	6.0	6.5	6.2	6.2
FASTBALL 4GL (PPG-PR 658)	5.7	6.6	6.4	6.2
SGP4	5.5	6.7	6.4	6.2
GO-RUS21	5.5	6.3	6.8	6.2
DLF-PR-3730	5.8	6.6	6.2	6.2
RELIC (PPG-PR 611)	5.2	6.5	6.9	6.2
PERFORMANCE (NAI-PR5)	5.4	6.5	6.6	6.2
PPG-PR 666	5.5	6.9	6.1	6.2
PST-2GDS	5.6	6.7	6.0	6.1
GO-RUS20	5.3	6.2	6.7	6.1
PPG-PR 610	5.5	6.6	6.0	6.1
PPG-PR671	5.3	6.6	6.3	6.1
STELLAR 4GL	5.3	6.8	6.0	6.0
PST-2MES1	5.1	6.5	6.5	6.0
ULTRA SPORT (PST-2HAF20)	5.1	6.6	6.4	6.0
BAR LP 22191	5.0	7.0	6.0	6.0
SLIDER SG (PPG-PR 602)	4.9	6.8	6.3	6.0
DLF-PR-3729	5.7	6.4	5.9	6.0
PPG-PR 643	5.3	6.4	6.3	6.0
PST-2ADS	5.4	6.1	6.5	6.0
PPG-PR 646	5.4	6.4	6.2	6.0
GRAY EAGLE SLT (PST-2MEG)	4.8	7.0	6.0	6.0
GO-RUS22	5.3	6.6	6.0	6.0

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER FAIRWAY CONDITIONS AT THREE LOCATIONS 1/
2024 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	IN2	UT1	VA2	MEAN
RC20-020	5.3	6.7	5.9	6.0
PST-2HFM	5.1	6.5	6.2	5.9
HIGH OCTANE	5.1	6.2	6.5	5.9
DLF-PR-3737	5.4	6.3	6.1	5.9
LTP-NR	5.4	6.2	6.2	5.9
LTP-RPP4	5.1	6.7	6.0	5.9
HOMERUN G-LS (PPG-PR 644)	4.8	6.4	6.6	5.9
PISTON	5.3	6.3	6.1	5.9
BAR LP 22174	5.3	6.9	5.5	5.9
PPG-PR 606	5.1	6.7	5.9	5.9
PPG-PR 639	5.2	6.0	6.4	5.9
PST-2BGL	5.5	6.4	5.7	5.9
PPG-PR 620	5.1	6.1	6.4	5.9
SUNDOWN (BY-PS2)	5.3	6.0	6.1	5.8
HOMERUN LS	5.1	6.4	6.0	5.8
RPP3	5.1	6.2	6.2	5.8
IGNITION (PPG-PR 647)	5.0	6.1	6.1	5.8
FLIGHTLINE (PST-214)	5.0	6.4	5.9	5.8
CJP1R	4.8	6.2	6.2	5.7
DLF-PR-3735	4.8	6.3	6.0	5.7
PST-2E6	4.8	6.5	5.8	5.7
PVF-RPP2	5.1	6.2	5.7	5.7
LIGHTSPEED (PST-2DRG)	4.8	6.4	5.8	5.7
BAR LP 22256	4.5	6.5	5.9	5.6
DARK MATTER	4.5	6.5	5.9	5.6
BAR LP 22262	4.7	6.5	5.7	5.6
BAR LP 22263	4.5	6.4	5.9	5.6
KARMA	5.0	6.3	5.5	5.6
SEPR-2013	4.2	6.4	6.0	5.5
DLF-LGT-3066	4.3	6.5	5.7	5.5
BRIGHTSTAR SLT	4.8	6.1	5.7	5.5
GREENBACK	4.4	6.1	5.6	5.4
NEXUS DK (SE-DK)	4.1	6.0	5.6	5.2
BSG-PR22	4.2	6.0	5.4	5.2
PROMINENT II (TSC-CRS)	4.0	5.8	5.6	5.1
MRSL-PR22	4.3	6.0	5.0	5.1
PST-2SPF	4.0	4.0	5.0	4.3
LINN	2.9	5.1	4.6	4.2
LSD VALUE	0.8	0.5	0.7	0.4
C.V. (%)	9.3	4.9	7.2	7.1

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

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

TABLE 8.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WEAR TOLERANCE			QUALITY RATINGS									MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WICKED COOL (DLF-PR-3738)	5.3	4.3	4.7	5.3	6.3	7.0	6.7	6.7	6.7	6.3	6.7	5.3	6.3
PPG-PR 664	5.3	4.7	4.7	5.7	6.7	7.0	6.7	7.0	6.3	6.3	6.0	5.3	6.3
PPG-PR 670	5.3	5.0	5.0	5.7	6.7	6.7	6.7	6.7	6.7	6.3	5.7	5.3	6.3
SILETZ	4.3	5.0	4.3	6.3	6.3	6.7	5.7	6.3	6.3	7.0	6.3	6.0	6.3
PPG-PR 662	4.7	4.3	4.7	5.0	7.0	6.7	6.7	6.7	6.3	6.3	5.7	5.7	6.2
HOMERUN G-LS (PPG-PR 644)	4.3	4.7	3.7	5.0	6.3	6.7	6.3	7.0	6.0	6.0	6.0	5.3	6.1
IGNITION (PPG-PR 647)	5.3	4.7	4.3	5.3	6.3	6.3	6.0	6.7	6.3	6.0	6.0	6.0	6.1
LTP-RPP4	4.3	4.3	4.3	6.3	6.0	6.0	6.7	6.0	6.0	6.3	6.0	5.7	6.1
PPG-PR 639	5.0	5.0	4.3	4.7	5.7	6.3	6.3	6.7	6.7	6.3	6.0	6.0	6.1
APPLE 4SGL (PPG-PR 663)	4.7	5.0	4.3	5.3	7.0	6.7	6.3	6.7	6.7	6.0	5.3	5.3	6.1
GRAND SLAM G-LS (PPG-PR 637)	4.3	4.3	4.3	5.7	6.0	6.3	6.0	6.7	6.3	6.3	6.3	5.3	6.1
SUNDOWN (BY-PS2)	5.0	4.3	4.0	5.3	6.0	7.0	6.3	6.3	6.0	6.3	6.3	5.3	6.1
VORTEX SRT (PPG-PR 665)	4.7	4.7	4.7	5.7	6.7	6.3	6.7	6.7	6.0	6.3	5.3	5.3	6.1
20PR10	4.7	5.0	4.7	6.3	6.0	6.0	6.0	6.3	5.7	6.3	5.7	5.3	6.0
APS	5.0	5.0	5.0	5.7	6.3	6.7	6.0	6.3	6.0	6.0	6.0	5.3	6.0
DLF-PR-3726	5.0	4.7	4.3	5.3	6.7	7.0	6.3	6.3	5.7	6.0	5.3	5.0	6.0
ASPIRATION (DLF-PR-3736)	4.3	5.0	4.3	4.3	6.0	6.3	5.7	7.0	6.7	6.0	6.0	5.7	6.0
PPG-PR671	5.0	4.7	4.3	5.0	5.7	5.7	6.0	7.0	6.0	6.3	6.0	6.0	6.0
PPG-PR 661	4.7	4.0	4.3	5.7	6.3	6.0	6.3	6.3	6.0	6.3	5.7	5.7	6.0
PPG-PR 666	5.0	5.7	4.7	5.0	5.7	6.7	6.3	6.7	6.0	6.3	5.7	5.7	6.0
PST-2BGL	5.0	5.3	5.0	5.7	6.0	6.0	5.7	6.3	6.0	6.3	5.7	6.0	6.0
ALPHA CENTAURI	4.3	5.0	4.0	5.3	6.0	6.3	5.7	6.3	5.3	6.3	6.0	5.3	5.9
DLF-PR-3730	4.3	5.0	4.3	5.7	5.7	6.0	6.0	6.0	6.0	5.7	5.7	6.0	5.9
DLF-PR-3737	5.3	5.3	5.3	4.7	6.3	6.0	6.0	6.7	5.7	5.7	5.7	6.0	5.9
PERFORMANCE (NAI-PR5)	5.7	5.7	5.3	5.7	6.0	6.3	5.3	5.7	5.7	6.7	5.7	5.7	5.9
PISTON	5.0	4.0	4.7	5.3	6.3	6.0	6.0	6.3	5.7	6.0	5.7	5.3	5.9
PPG-PR 606	5.0	5.3	5.0	4.7	6.0	6.3	6.3	6.7	6.0	5.7	6.0	5.3	5.9
SGP4	4.0	4.7	4.0	5.0	5.3	6.0	6.7	7.0	6.0	6.3	5.3	5.3	5.9
GO-RUS22	4.7	4.7	4.3	5.7	6.0	6.3	5.7	6.0	5.7	5.7	6.0	5.3	5.8
PST-2ADS	4.7	4.3	4.3	5.3	5.7	6.0	6.0	6.3	5.7	6.0	5.7	5.3	5.8
GO-RUS21	4.7	4.7	4.7	5.0	6.0	6.0	6.0	6.3	6.0	5.3	5.7	5.0	5.7
HOMERUN LS	4.7	4.3	4.3	5.0	6.3	5.7	5.7	5.7	5.7	6.3	5.7	5.7	5.7
SLIDER SG (PPG-PR 602)	5.3	4.7	4.3	5.3	5.7	6.3	5.7	6.3	5.7	5.7	5.3	5.0	5.7
PPG-PR 610	5.0	4.7	5.0	5.0	6.0	6.3	5.3	6.0	5.3	6.3	5.3	5.3	5.7
PST-2E6	5.3	4.7	4.3	5.7	6.0	5.7	5.7	6.0	5.7	5.7	5.3	5.3	5.7
PST-2GDS	5.3	5.3	5.0	4.3	6.0	5.7	6.0	6.0	5.3	6.0	5.7	6.0	5.7
PVF-RPP2	5.0	5.0	4.3	6.3	5.7	6.3	5.7	5.7	5.3	5.7	5.7	5.0	5.7
QUASAR	4.0	4.7	3.3	5.7	6.3	6.0	5.3	5.7	5.3	6.0	5.3	5.3	5.7
FASTBALL 4GL (PPG-PR 658)	4.7	4.0	3.7	5.0	6.3	5.7	6.0	6.0	5.3	5.7	5.7	5.0	5.6
DLF-PR-3728	5.3	5.3	5.7	5.7	6.0	6.0	5.7	5.7	5.3	5.7	5.3	5.3	5.6
PPG-PR 643	5.3	4.7	4.3	5.7	5.7	6.0	5.7	6.0	5.0	6.0	5.7	5.0	5.6
PPG-PR 667	4.7	5.0	4.3	5.0	5.7	6.0	5.7	6.0	5.7	5.7	5.7	5.0	5.6
EXCEED (PPG-PR 668)	4.7	4.7	4.0	5.7	5.7	5.7	5.7	6.0	5.7	6.0	5.3	5.0	5.6
PS4	4.7	4.3	4.3	5.3	5.7	5.7	5.3	6.0	5.3	6.3	5.7	4.7	5.6
STINGER (PST-2EGY)	4.7	4.7	4.0	5.0	5.7	6.3	5.7	6.0	5.7	6.0	5.3	5.0	5.6
PST-2MES1	4.7	4.3	4.7	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.3	5.6
STELLAR 4GL	5.3	4.3	4.7	6.0	5.3	5.7	5.7	5.7	5.3	5.7	5.7	5.7	5.6

TABLE 8.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WEAR TOLERANCE										QUALITY RATINGS		
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
ULTRA SPORT (PST-2HAF20)	5.3	5.3	5.0	5.3	6.3	5.3	6.3	5.7	5.3	5.7	5.7	5.0	5.6
BAR LP 22191	4.3	5.7	4.7	6.0	5.0	6.7	5.7	5.7	5.0	5.0	5.7	5.0	5.5
DLF-PR-3729	4.7	4.0	4.3	5.7	5.7	5.7	5.3	5.7	5.0	6.0	5.7	5.0	5.5
LIGHTSPEED (PST-2DRG)	5.0	5.3	4.7	6.0	5.0	5.7	5.3	5.7	5.3	5.7	5.3	5.3	5.5
PPG-PR 642	4.7	4.0	4.7	5.0	6.3	5.7	5.3	6.0	5.3	5.3	5.3	5.0	5.5
RC20-020	4.0	4.3	4.3	5.0	5.3	5.7	5.7	6.3	5.7	5.7	5.0	5.0	5.5
RELIC (PPG-PR 611)	4.0	4.7	4.0	5.3	5.3	5.7	5.3	6.0	5.7	5.7	5.7	5.0	5.5
DLF-PR-3727	4.7	5.0	4.7	5.0	5.7	5.3	5.3	5.3	5.7	5.7	5.3	5.3	5.4
FLIGHTLINE (PST-214)	4.7	5.0	4.7	4.7	6.0	5.7	5.3	5.3	5.0	5.3	5.7	5.3	5.4
GRAY EAGLE SLT (PST-2MEG)	5.3	5.0	5.7	5.7	5.7	5.7	5.3	5.3	5.3	5.3	5.3	5.0	5.4
KARMA	5.3	4.7	4.7	5.0	5.3	5.0	5.7	5.7	5.3	5.7	5.7	5.0	5.4
LTP-NR	4.7	3.7	3.7	5.7	5.3	5.7	5.3	5.3	5.0	5.7	5.7	5.3	5.4
PST-2HFM	5.3	5.3	5.3	6.0	5.3	5.3	5.0	5.3	5.3	5.3	5.3	5.3	5.4
BAR LP 22174	4.7	5.3	5.0	5.7	4.7	5.7	5.0	5.7	5.0	5.3	5.3	5.3	5.3
CJP1R	4.0	4.3	4.0	5.3	5.3	5.7	5.3	5.3	5.3	5.3	5.3	4.3	5.3
DLF-PR-3735	4.3	4.7	4.3	5.3	5.3	5.7	5.3	5.3	5.0	5.7	5.3	4.7	5.3
HIGH OCTANE	4.0	3.7	3.7	4.7	5.0	5.3	5.3	5.7	5.7	5.7	5.3	5.3	5.3
PPG-PR 620	4.3	4.0	3.7	4.7	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.0	5.3
PPG-PR 646	3.7	3.3	3.3	5.7	5.0	5.3	5.0	5.3	5.3	5.3	5.3	5.3	5.3
PVF-SGS5	3.7	4.0	4.0	5.0	5.3	6.3	5.0	5.3	5.0	5.3	5.3	5.3	5.3
RPP3	4.7	4.7	4.7	5.3	5.0	5.3	5.3	5.7	5.3	5.3	5.7	5.0	5.3
BAR LP 22256	6.0	6.0	5.7	4.7	5.7	6.0	5.3	5.3	5.0	5.3	5.0	4.7	5.2
BSG-PR22	5.3	4.7	4.3	5.3	5.7	5.3	5.7	5.0	5.0	5.0	5.0	5.0	5.2
DLF-LGT-3066	4.0	4.3	4.0	5.3	6.0	5.7	5.0	5.0	5.0	5.0	5.0	5.0	5.2
GO-RUS20	4.3	4.3	4.7	4.7	5.0	5.3	5.0	5.3	5.3	5.3	5.3	5.3	5.2
PROMINENT II (TSC-CRS)	4.3	4.3	4.3	5.3	5.7	5.0	5.3	5.3	5.0	5.0	5.0	5.0	5.2
BAR LP 22262	4.7	5.3	5.0	5.0	5.3	5.7	5.3	5.3	5.0	4.7	5.0	5.0	5.1
DARK MATTER	5.3	5.0	5.0	5.0	4.7	5.0	4.7	5.0	5.0	5.7	5.3	4.7	5.0
GREENBACK	5.7	5.7	5.7	5.0	5.0	5.0	5.0	5.3	5.0	5.0	5.0	5.0	5.0
MRSI-PR22	6.0	5.3	5.3	5.0	5.3	4.7	4.7	5.3	5.0	4.7	5.0	5.0	5.0
SEPR-2013	5.3	5.7	5.3	4.3	5.7	5.0	5.0	4.7	5.0	5.0	5.0	5.0	5.0
BAR LP 22263	5.0	5.3	5.7	5.3	4.7	5.0	5.0	5.0	4.0	4.7	5.0	5.0	4.9
BRIGHTSTAR SLT	6.0	5.7	5.3	4.3	4.7	4.7	5.0	5.0	5.0	5.0	5.0	5.0	4.9
NEXUS DK (SE-DK)	4.3	4.3	4.7	5.0	5.3	5.0	4.7	5.0	5.0	4.7	5.0	4.7	4.9
PST-2SPF	4.7	4.7	4.7	5.3	5.0	4.7	5.0	4.7	4.7	5.0	5.0	5.0	4.9
LINN	3.3	3.7	3.0	5.0	3.7	4.7	3.3	3.7	3.0	3.0	4.0	4.0	3.8
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.8	0.7	0.8	1.1	0.8	0.5
C.V. (%)	11.1	11.3	12.1	9.1	9.0	9.2	7.7	8.6	7.8	8.8	9.2	8.0	5.4

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 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2024 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	QUALITY RATINGS			SEP	OCT	NOV	MEAN
					JUN	JUL	AUG				
PPG-PR 642	7.0	5.0	7.3	8.7	7.0	6.0	7.0	7.0	7.0	6.7	7.1
DLF-PR-3728	6.7	6.0	7.3	8.3	7.7	5.7	6.7	6.7	6.3	6.7	6.9
GRAND SLAM G-LS (PPG-PR 637)	7.0	6.3	8.7	8.7	7.0	5.0	6.7	6.3	6.0	6.3	6.8
PS4	7.3	5.3	8.0	8.3	6.0	5.7	6.0	6.0	5.7	7.0	6.6
QUASAR	7.0	4.0	7.3	7.3	6.3	6.3	6.0	6.0	6.7	7.0	6.6
SGP4	7.0	4.0	7.0	8.3	7.3	6.3	5.7	6.3	6.0	6.0	6.6
BAR LP 22174	7.0	4.3	6.7	8.0	7.3	6.0	6.3	6.7	6.3	5.0	6.5
APS	6.7	6.3	6.7	8.0	7.0	6.0	5.7	6.3	5.7	5.7	6.4
DLF-PR-3735	7.0	5.3	6.3	7.7	7.3	6.0	5.3	6.0	6.3	6.0	6.4
WICKED COOL (DLF-PR-3738)	7.0	4.0	7.7	7.7	6.7	6.0	6.0	6.0	6.3	5.0	6.4
RPP3	7.0	5.0	7.7	8.3	5.7	5.3	5.3	6.7	6.0	6.0	6.4
20PR10	7.0	3.7	7.3	8.0	6.7	6.0	5.0	5.3	6.0	6.0	6.3
LTP-RPP4	7.0	4.7	8.0	8.3	6.3	6.3	5.3	5.7	5.3	5.3	6.3
PISTON	7.0	4.7	6.7	7.7	7.3	6.3	5.0	6.0	5.7	6.0	6.3
PPG-PR 639	7.0	4.3	7.3	7.7	6.7	6.0	6.7	6.0	4.7	5.0	6.3
FASTBALL 4GL (PPG-PR 658)	6.7	5.0	6.0	8.3	7.7	5.7	6.0	5.7	5.3	4.7	6.2
PST-2HFM	7.0	4.7	7.3	8.3	7.3	5.7	5.3	5.0	4.7	5.3	6.1
PST-2MES1	6.7	4.3	7.7	8.0	7.7	5.7	5.0	4.7	5.0	5.0	6.1
RC20-020	7.3	5.0	8.0	7.7	5.7	5.3	5.7	5.7	5.3	5.3	6.1
CJPIR	6.7	3.3	6.7	7.3	7.7	5.7	5.0	4.7	5.0	5.7	6.0
HIGH OCTANE	7.0	4.0	6.7	7.3	7.0	5.7	5.3	5.7	5.7	5.0	6.0
LTP-NR	7.0	4.0	7.3	8.0	6.3	5.0	5.3	5.0	5.3	5.3	6.0
PPG-PR 664	7.7	4.7	7.7	7.7	6.3	5.0	5.3	5.3	5.0	5.7	6.0
PPG-PR 670	7.0	4.3	5.7	7.7	7.0	5.7	5.3	5.7	5.3	5.3	6.0
PPG-PR 620	7.3	5.3	6.7	8.0	6.3	5.7	5.3	5.3	4.7	5.0	5.9
PPG-PR 646	7.0	5.7	7.3	8.3	6.3	4.7	5.3	5.0	5.3	5.0	5.9
PPG-PR 661	7.0	6.3	7.3	8.3	6.7	5.7	5.0	4.3	4.7	5.3	5.9
PVF-SGS5	7.0	4.7	6.7	7.3	7.0	5.0	5.3	4.7	6.0	5.0	5.9
BAR LP 22263	6.7	5.0	6.3	7.7	6.7	4.7	5.7	5.3	5.0	5.0	5.8
SLIDER SG (PPG-PR 602)	7.0	4.3	7.3	8.0	6.7	5.3	5.7	4.0	4.7	5.0	5.8
PPG-PR 662	7.0	4.3	7.3	8.0	7.7	5.7	5.7	3.7	4.0	4.7	5.8
APPLE 4SGL (PPG-PR 663)	7.0	3.7	7.3	7.0	7.0	5.0	5.3	4.0	5.3	5.7	5.8
STELLAR 4GL	7.3	4.0	7.0	7.3	5.7	5.0	5.7	4.0	5.3	6.3	5.8
HOMERUN G-LS (PPG-PR 644)	7.0	3.3	7.0	7.0	6.0	4.7	4.7	5.7	5.3	5.0	5.7
BAR LP 22262	7.0	4.0	7.0	7.7	6.7	6.0	6.0	3.7	4.0	3.7	5.6
ASPIRATION (DLF-PR-3736)	7.0	3.7	5.3	7.3	7.7	5.0	6.0	5.0	3.7	4.7	5.6
IGNITION (PPG-PR 647)	7.0	5.0	6.7	8.0	7.0	4.0	4.7	5.0	4.7	4.7	5.6
KARMA	7.0	4.3	6.0	7.7	6.3	5.3	5.7	5.3	4.3	4.3	5.6
PERFORMANCE (NAI-PR5)	7.0	3.3	5.7	7.7	6.3	5.3	4.7	5.3	4.7	5.0	5.6
PVF-RPP2	7.0	2.3	6.3	6.7	6.3	5.3	5.0	5.7	5.0	4.7	5.6
RELIC (PPG-PR 611)	7.0	5.3	7.0	7.7	6.7	5.3	6.0	4.3	3.7	4.0	5.6
SILETZ	7.0	3.0	6.7	8.0	5.7	4.7	5.0	4.0	5.0	5.7	5.6
SUNDOWN (BY-PS2)	7.0	4.0	7.0	7.7	6.3	4.7	5.0	4.0	4.7	5.3	5.6
ULTRA SPORT (PST-2HAF20)	7.0	4.0	6.3	8.0	7.7	5.3	6.0	4.3	3.7	3.7	5.6
PPG-PR671	6.7	3.7	5.7	6.7	7.0	5.3	5.3	5.3	4.0	4.3	5.5
PPG-PR 610	7.0	3.7	6.3	7.3	7.3	6.3	5.0	3.7	4.0	3.7	5.5
PPG-PR 666	7.0	5.0	6.7	8.3	6.7	5.0	6.0	4.0	3.7	3.3	5.5

TABLE 9.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SHADE STRESS AT AMES, IA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	JUN	JUL	QUALITY RATINGS		OCT	NOV	MEAN
							AUG	SEP			
VORTEX SRT (PPG-PR 665)	7.0	4.7	6.3	7.7	7.7	5.7	5.3	4.3	3.7	3.7	5.5
BAR LP 22191	7.3	4.7	7.0	8.0	6.0	4.7	5.0	4.0	3.7	5.0	5.4
DLF-PR-3729	6.7	3.3	6.7	8.0	8.0	4.3	4.7	5.0	3.3	3.3	5.4
PPG-PR 643	7.0	3.3	6.3	7.0	6.7	5.3	5.0	4.7	4.0	4.3	5.4
ALPHA CENTAURI	7.0	3.0	6.0	6.3	6.7	5.7	5.3	4.3	3.7	4.3	5.3
DLF-PR-3727	7.0	3.3	6.7	6.7	6.3	4.7	4.7	4.3	4.0	5.0	5.3
GO-RUS21	7.0	4.7	6.7	7.7	7.0	3.7	5.3	4.3	3.7	4.0	5.3
PPG-PR 606	7.3	3.3	5.3	6.7	6.7	5.3	5.7	4.0	4.3	4.7	5.3
EXCEED (PPG-PR 668)	7.0	4.0	5.7	7.3	6.7	5.0	5.0	4.3	4.3	4.3	5.3
PST-2ADS	7.0	4.0	6.7	7.3	6.0	4.3	4.7	4.3	4.7	4.7	5.3
PST-2E6	7.3	3.7	6.7	8.0	6.3	6.0	4.3	3.3	3.7	4.3	5.3
DLF-PR-3730	6.3	4.3	5.3	7.3	8.3	5.7	5.3	4.0	2.7	3.0	5.2
GREENBACK	7.3	4.0	7.3	8.0	6.0	4.3	4.3	3.0	3.7	4.3	5.1
PPG-PR 667	6.7	3.7	5.3	7.7	7.7	4.3	5.0	3.7	3.3	4.0	5.1
BAR LP 22256	7.0	3.0	5.0	7.7	6.7	5.7	4.7	2.7	3.3	4.3	5.0
DLF-PR-3726	7.0	4.0	5.3	7.3	7.0	5.3	3.7	4.0	3.7	3.3	5.0
DLF-PR-3737	7.0	3.0	5.7	7.3	6.3	5.3	5.0	3.0	3.7	3.3	5.0
STINGER (PST-2EGY)	7.0	4.7	6.0	8.0	5.7	4.3	4.7	4.0	3.3	3.7	5.0
PST-2GDS	7.0	4.0	5.7	7.3	7.0	4.3	4.7	4.0	4.0	3.3	5.0
GO-RUS20	7.0	3.7	5.7	7.3	7.0	5.0	3.7	3.7	2.7	3.7	4.8
GRAY EAGLE SLT (PST-2MEG)	7.3	4.7	6.0	7.3	6.3	5.0	4.3	3.0	3.0	3.0	4.8
HOMERUN LS	7.0	4.3	5.7	7.0	6.7	4.7	4.0	3.7	3.0	3.7	4.8
PST-2SPF	7.3	3.3	6.0	6.7	6.3	4.3	4.3	3.3	3.3	4.0	4.8
BRIGHTSTAR SLT	7.3	3.7	6.0	7.0	5.3	3.7	4.3	2.7	3.7	4.3	4.6
SEPR-2013	7.3	3.3	6.0	7.3	6.3	3.7	3.7	3.0	3.3	3.3	4.6
LINN	7.0	2.3	5.0	6.7	5.7	4.0	4.3	3.3	3.3	3.3	4.5
DLF-LGT-3066	7.0	2.7	4.7	6.7	6.0	4.3	3.7	3.3	3.3	3.0	4.4
FLIGHTLINE (PST-214)	7.0	3.7	4.3	7.3	6.7	4.0	4.3	2.7	2.7	2.3	4.3
MRSI-PR22	7.0	3.0	4.7	6.7	6.0	5.0	3.7	2.3	2.7	3.7	4.3
BSG-PR22	7.0	3.3	5.0	6.7	5.7	3.7	3.3	2.7	3.0	3.0	4.1
NEXUS DK (SE-DK)	7.0	2.3	5.0	7.0	6.0	3.7	3.7	2.0	2.0	2.3	4.0
DARK MATTER	7.3	2.3	4.3	6.3	5.3	3.3	3.3	2.7	2.3	2.7	3.8
PROMINENT II (TSC-CRS)	7.0	3.7	5.0	6.7	6.0	4.0	2.7	2.0	2.0	2.3	3.8
LIGHTSPEED (PST-2DRG)	7.3	3.0	4.0	5.3	4.7	3.3	3.0	2.7	2.7	3.0	3.6
PST-2BGL	8.0	3.7	3.0	4.0	4.7	4.7	3.7	3.0	3.0	2.7	3.6
GO-RUS22	7.3	3.0	3.7	4.3	4.7	3.3	4.0	2.7	3.0	2.7	3.5
LSD VALUE	1.1	5.4	6.5	3.1	1.8	3.3	4.1	2.3	2.8	4.7	2.0
C.V. (%)	5.1	36.4	27.8	15.5	13.7	23.0	26.5	28.5	32.1	37.2	17.7

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

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

TABLE 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) GROWN UNDER SHADE STRESS AT AMES, IA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APRIL	PERCENT MAY	GROUND COVER JULY	RATINGS AUGUST	APRIL-NOVEMBER OCTOBER	NOVEMBER
PPG-PR 642	5.7	5.3	4.7	69.7	93.0	49.0	61.0	46.7	57.0
DLF-PR-3728	6.0	4.7	4.7	71.0	92.0	44.0	59.7	41.3	56.3
GRAND SLAM G-LS (PPG-PR 637)	5.0	7.3	5.0	83.7	93.7	42.0	59.0	39.7	56.0
PS4	5.0	6.0	5.0	79.3	92.0	45.7	48.3	35.3	62.3
QUASAR	5.0	5.7	5.3	72.7	80.7	51.7	52.0	41.3	62.3
SGP4	5.0	5.3	4.3	67.3	89.3	52.3	49.7	39.0	50.7
BAR LP 22174	5.3	4.7	4.0	60.3	85.0	46.3	56.0	40.0	44.3
APS	5.7	5.3	4.7	64.0	89.0	50.3	48.3	35.0	46.3
DLF-PR-3735	5.3	6.3	4.7	61.3	81.3	48.3	44.7	40.7	53.0
WICKED COOL (DLF-PR-3738)	5.0	7.0	4.3	73.3	81.3	45.0	53.0	40.3	45.3
RPP3	5.3	6.3	4.7	73.3	88.7	42.7	47.3	39.7	51.3
20PR10	5.0	5.3	4.3	67.7	82.0	48.7	42.7	37.3	52.7
LTP-RPP4	5.3	6.7	4.0	74.7	88.7	48.7	45.7	34.3	41.3
PISTON	5.0	5.3	4.3	64.3	83.7	48.3	44.3	36.7	51.7
PPG-PR 639	5.3	5.0	4.0	69.0	80.3	47.0	59.7	28.7	41.3
FASTBALL 4GL (PPG-PR 658)	5.7	5.7	4.0	59.3	89.7	43.7	51.7	31.3	36.7
PST-2HFM	5.0	5.0	4.0	72.7	92.7	44.3	47.3	26.3	41.0
PST-2MES1	5.0	4.3	4.3	71.3	82.7	45.0	45.3	29.3	40.0
RC20-020	5.0	4.3	4.0	73.3	81.3	44.3	48.0	32.7	43.0
CJPIR	5.0	4.3	4.3	61.7	78.3	43.7	42.3	30.0	46.3
HIGH OCTANE	5.7	5.3	4.7	61.3	81.3	48.0	43.7	35.0	42.7
LTP-NR	5.3	5.7	4.3	69.7	84.0	39.0	45.0	32.3	45.0
PPG-PR 664	5.0	4.7	4.3	75.0	83.7	40.0	47.3	30.7	47.3
PPG-PR 670	5.0	4.0	4.3	53.3	82.3	45.0	45.0	32.7	44.3
PPG-PR 620	4.7	6.0	4.3	63.7	85.3	42.0	42.7	27.3	40.3
PPG-PR 646	5.3	5.0	4.3	74.3	89.7	37.3	44.0	33.3	43.3
PPG-PR 661	5.0	4.0	4.7	70.7	93.0	46.0	42.7	26.3	43.7
PVF-SGS5	5.0	4.0	4.3	63.0	82.0	40.7	46.3	39.7	42.7
BAR LP 22263	5.7	5.0	4.3	61.0	85.0	34.7	50.7	27.7	41.0
SLIDER SG (PPG-PR 602)	5.0	5.0	4.3	68.0	86.3	42.0	50.7	28.7	42.7
PPG-PR 662	5.0	4.7	4.0	66.3	85.3	45.0	48.3	21.7	36.0
APPLE 4SGL (PPG-PR 663)	4.7	4.3	4.7	71.3	75.3	40.0	47.0	31.0	48.3
STELLAR 4GL	4.7	5.3	4.7	65.3	78.0	39.3	46.3	33.3	52.0
HOMERUN G-LS (PPG-PR 644)	5.0	3.0	4.7	63.7	75.7	35.3	41.0	33.3	39.7
BAR LP 22262	5.0	4.3	4.3	66.0	86.3	46.7	48.7	22.0	29.3
ASPIRATION (DLF-PR-3736)	4.7	5.0	4.0	45.7	81.0	41.0	54.3	21.3	35.0
IGNITION (PPG-PR 647)	5.3	5.0	4.0	64.3	87.7	32.0	41.0	27.3	35.3
KARMA	5.0	5.7	4.0	58.7	85.0	41.0	46.7	25.3	34.0
PERFORMANCE (NAI-PR5)	5.0	6.7	4.3	51.0	80.7	42.0	38.0	28.0	43.7
PVF-RPP2	4.7	3.3	4.0	37.0	69.7	40.3	41.0	28.7	39.0
RELIC (PPG-PR 611)	5.0	4.0	4.0	66.7	84.0	43.0	53.3	18.3	27.3
SILETZ	5.3	6.3	4.7	63.7	82.7	33.7	41.7	31.7	49.7
SUNDOWN (BY-PS2)	5.0	3.0	4.0	65.3	81.3	37.3	42.0	28.0	45.0
ULTRA SPORT (PST-2HAF20)	5.3	5.3	3.7	61.7	86.7	45.3	51.0	20.0	24.7
PPG-PR671	5.0	4.0	3.7	50.3	72.7	42.7	41.7	20.7	32.0
PPG-PR 610	5.0	4.3	4.0	57.3	83.0	48.7	43.7	20.0	28.3
PPG-PR 666	4.3	3.7	4.0	64.7	86.3	39.3	52.0	19.7	25.0

TABLE 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) GROWN UNDER SHADE STRESS AT AMES, IA 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APRIL	PERCENT MAY	GROUND COVER JULY	RATINGS AUGUST	APRIL-NOVEMBER OCTOBER	NOVEMBER
VORTEX SRT (PPG-PR 665)	5.0	5.3	3.3	56.7	82.7	45.3	47.3	18.7	28.3
BAR LP 22191	5.0	4.0	4.0	66.0	83.3	36.7	41.0	21.0	39.3
DLF-PR-3729	5.7	2.0	4.0	60.7	86.3	33.7	36.3	17.7	23.0
PPG-PR 643	5.7	5.0	4.7	56.7	75.7	42.7	44.7	23.7	33.7
ALPHA CENTAURI	5.3	4.3	4.3	55.7	70.7	47.3	44.3	17.3	35.0
DLF-PR-3727	5.0	4.3	4.3	61.0	72.0	35.7	36.3	23.3	38.0
GO-RUS21	5.0	4.7	4.0	62.7	80.7	26.3	44.0	20.0	28.3
PPG-PR 606	5.0	4.3	4.0	50.0	70.3	43.3	47.7	23.7	37.0
EXCEED (PPG-PR 668)	4.7	5.0	4.3	51.7	79.7	39.3	41.7	26.7	33.7
PST-2ADS	4.7	3.7	4.7	60.3	77.7	34.3	34.7	26.7	33.3
PST-2E6	4.7	4.7	4.3	61.0	82.7	46.7	38.0	19.3	32.3
DLF-PR-3730	5.0	4.3	3.7	48.0	77.7	46.7	44.7	12.3	15.0
GREENBACK	5.0	4.0	4.7	73.3	86.0	31.7	33.7	19.3	32.0
PPG-PR 667	5.0	2.7	4.0	49.0	81.7	32.7	44.0	17.3	28.0
BAR LP 22256	5.0	3.3	4.0	44.0	80.0	43.0	40.0	17.0	30.0
DLF-PR-3726	4.7	4.7	4.0	49.3	80.0	40.7	27.7	21.3	23.3
DLF-PR-3737	4.3	4.7	4.0	49.3	79.3	41.0	42.0	18.7	19.7
STINGER (PST-2EGY)	5.0	4.0	3.7	54.3	87.3	32.7	41.7	16.3	26.0
PST-2GDS	5.3	4.7	4.0	52.3	79.7	33.0	36.7	20.0	22.3
GO-RUS20	5.3	3.0	4.0	52.3	80.7	38.7	27.0	13.3	27.7
GRAY EAGLE SLT (PST-2MEG)	4.7	4.7	3.3	57.0	77.0	42.3	31.3	12.0	19.0
HOMERUN LS	5.0	4.0	3.7	53.3	74.7	34.0	26.7	17.3	25.7
PST-2SPF	4.7	4.0	3.3	53.0	71.3	31.7	31.7	14.7	27.0
BRIGHTSTAR SLT	4.7	4.3	4.3	54.7	75.7	26.0	34.7	20.0	32.0
SEPR-2013	5.0	4.3	4.3	54.0	76.0	27.0	28.3	16.7	22.7
LINN	4.3	2.3	3.7	43.3	71.7	30.3	33.7	17.0	20.7
DLF-LGT-3066	4.7	3.7	3.0	40.7	68.3	32.3	27.7	16.3	15.0
FLIGHTLINE (PST-214)	4.7	3.0	3.7	37.7	74.7	29.7	33.0	11.7	14.7
MRSL-PR22	4.7	3.3	3.7	37.7	71.3	38.7	27.7	11.7	18.7
BSG-PR22	4.7	4.3	3.3	41.3	69.0	25.7	24.0	12.0	15.3
NEXUS DK (SE-DK)	4.7	3.7	4.3	45.7	77.3	27.3	24.7	6.0	8.3
DARK MATTER	4.7	4.0	3.3	35.3	64.7	25.0	21.3	6.7	9.7
PROMINENT II (TSC-CRS)	5.0	4.3	3.3	41.0	70.3	25.3	21.7	8.3	10.3
LIGHTSPEED (PST-2DRG)	4.7	4.7	3.7	30.0	56.7	22.7	21.7	11.0	14.0
PST-2BGL	4.3	2.7	3.0	18.7	38.0	34.7	26.3	12.3	15.3
GO-RUS22	4.0	2.3	3.3	27.7	43.7	22.7	31.0	13.3	13.0
LSD VALUE	1.0	3.9	2.5	66.1	45.3	32.0	33.8	21.7	45.9
C.V. (%)	9.3	33.2	17.8	33.8	18.0	27.7	31.5	44.6	52.1

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

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

TABLE 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SHADE STRESS AT WOOSTER, OH 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT SPIRNG	GROUND COVER FALL	COLOR SPRING	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DLF-PR-3729	6.0	75.0	56.7	4.7	5.0	4.7	4.3	4.3	4.7	5.7	5.0	5.0	4.8
SGP4	6.3	80.0	53.3	5.0	5.7	4.7	4.0	4.7	4.3	5.7	4.7	4.7	4.8
FASTBALL 4GL (PPG-PR 658)	6.0	70.0	60.0	5.0	5.0	5.3	3.3	3.3	4.7	5.7	5.0	5.0	4.7
PVF-RPP2	6.3	78.3	43.3	4.7	5.3	4.7	4.3	4.7	4.3	4.7	4.7	4.7	4.7
VORTEX SRT (PPG-PR 665)	6.0	76.7	46.7	5.0	5.3	4.7	3.7	4.0	4.3	6.0	4.3	4.3	4.6
ASPIRATION (DLF-PR-3736)	7.0	75.0	50.0	5.3	6.0	5.0	3.7	3.7	4.0	4.7	4.7	4.7	4.5
HOMERUN LS	6.3	70.0	50.0	4.7	5.3	4.3	3.3	3.7	4.7	5.0	4.7	4.7	4.5
MRSI-PR22	6.0	70.0	50.0	4.7	5.0	4.7	3.7	3.7	4.7	5.0	4.7	4.7	4.5
PPG-PR 610	5.7	83.3	56.7	4.7	4.7	5.7	4.0	3.3	4.0	5.3	4.7	4.7	4.5
PS4	6.3	71.7	50.0	5.0	5.3	4.7	3.3	3.3	4.7	5.3	4.7	4.7	4.5
ULTRA SPORT (PST-2HAF20)	6.7	80.0	46.7	5.0	5.7	5.0	3.0	3.3	4.7	5.3	4.7	4.7	4.5
SLIDER SG (PPG-PR 602)	6.0	78.3	50.0	5.3	5.0	5.3	4.0	3.3	4.0	4.7	4.3	4.3	4.4
CJPIR	6.0	70.0	56.7	4.7	5.0	4.7	2.7	3.3	4.0	5.0	4.7	4.7	4.3
DLF-PR-3726	5.7	78.3	46.7	4.7	5.0	5.3	3.0	3.0	3.7	5.0	4.7	4.7	4.3
SILETZ	5.7	78.3	46.7	5.0	4.7	4.7	3.7	3.7	4.0	5.0	4.3	4.3	4.3
APS	6.0	80.0	46.7	5.0	5.0	5.3	3.0	3.3	4.3	4.3	4.0	4.0	4.2
STELLAR 4GL	6.0	73.3	50.0	5.3	5.0	5.0	3.7	3.7	4.0	4.7	3.7	3.7	4.2
BAR LP 22256	6.0	80.0	43.3	5.3	5.3	4.7	3.0	3.3	4.0	4.7	4.0	4.0	4.1
GRAY EAGLE SLT (PST-2MEG)	6.3	73.3	46.7	5.3	5.3	5.0	3.0	3.3	4.3	4.3	3.7	3.7	4.1
STINGER (PST-2EGY)	6.0	70.0	43.3	5.0	5.0	4.7	3.0	3.0	3.7	4.7	4.3	4.3	4.1
RC20-020	6.0	76.7	46.7	4.7	5.0	4.7	3.7	3.0	4.0	4.7	4.0	4.0	4.1
BAR LP 22263	6.0	80.0	46.7	5.3	5.3	4.3	3.0	3.0	4.0	4.7	3.7	3.7	4.0
PST-2E6	5.0	63.3	40.7	3.7	4.0	4.3	4.0	3.3	3.3	4.0	4.3	4.3	4.0
PVF-SGS5	6.3	81.7	36.7	5.3	5.3	5.3	3.0	3.0	3.7	4.3	3.7	3.7	4.0
QUASAR	5.7	71.7	46.7	4.3	4.7	4.3	3.3	2.3	4.0	4.3	4.7	4.7	4.0
SEPR-2013	6.0	73.3	53.3	4.7	5.0	4.7	3.3	3.3	4.0	4.3	3.7	3.7	4.0
DLF-PR-3737	5.7	76.7	46.7	5.0	4.7	5.0	3.3	2.7	3.7	4.3	3.7	3.7	3.9
HOMERUN G-LS (PPG-PR 644)	6.3	70.0	45.0	4.7	5.3	4.3	3.3	2.7	3.3	4.0	4.0	4.0	3.9
PPG-PR 606	6.3	66.7	43.3	4.7	5.3	4.7	2.7	2.7	3.7	4.3	4.0	4.0	3.9
ALPHA CENTAURI	6.0	73.3	30.7	4.7	5.0	5.0	3.7	3.7	4.0	3.7	2.7	2.7	3.8
WICKED COOL (DLF-PR-3738)	5.0	66.7	40.7	4.3	4.0	5.0	3.0	3.0	3.0	4.0	4.3	4.3	3.8
FLIGHTLINE (PST-214)	5.3	70.0	46.7	4.7	4.3	4.7	2.7	2.3	3.3	4.3	4.3	4.3	3.8
PPG-PR 662	5.0	63.3	40.7	3.7	4.0	4.7	4.0	3.3	3.7	3.7	3.3	3.3	3.8
PPG-PR 667	5.7	70.0	40.0	5.3	4.7	4.7	3.0	2.7	3.3	4.3	4.0	4.0	3.8
PST-2ADS	5.7	66.7	40.0	4.7	4.7	4.0	3.0	2.7	3.7	4.0	4.3	4.3	3.8
BRIGHTSTAR SLT	6.0	60.0	31.7	5.0	5.0	4.0	3.3	3.3	3.7	3.7	3.3	3.3	3.7
DLF-LGT-3066	5.3	66.7	40.0	4.3	4.3	4.0	3.3	3.0	3.7	4.0	3.7	3.7	3.7
BAR LP 22191	5.7	66.7	41.7	4.7	5.0	4.0	3.0	2.7	3.7	3.7	3.3	3.3	3.6
DLF-PR-3728	6.3	78.3	33.3	5.7	5.3	5.7	2.7	2.3	3.0	3.3	3.3	3.3	3.6
PPG-PR671	5.7	68.3	30.7	4.0	4.7	5.0	3.3	2.7	3.0	3.7	3.3	3.3	3.6
PPG-PR 646	5.0	60.0	35.0	4.3	4.0	4.3	3.0	2.7	3.0	4.0	4.0	4.0	3.6
PST-2GDS	5.7	66.7	40.0	4.3	4.7	4.3	2.7	2.7	3.0	3.7	4.0	4.0	3.6
BAR LP 22174	6.3	83.3	30.0	5.3	5.7	4.7	3.3	2.3	3.0	3.3	3.0	3.0	3.5
IGNITION (PPG-PR 647)	5.3	70.0	31.7	4.3	4.3	5.0	3.3	3.3	3.0	3.3	3.0	3.0	3.5
PPG-PR 620	5.0	63.3	31.7	3.7	4.0	4.7	3.3	3.3	3.0	3.7	3.0	3.0	3.5
PPG-PR 639	5.7	76.7	33.3	5.0	4.7	5.0	3.0	2.7	2.3	3.3	3.7	3.7	3.5
PPG-PR 642	5.0	66.7	35.0	4.3	4.3	4.7	2.7	3.3	3.7	3.7	2.7	2.7	3.5

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SHADE STRESS AT WOOSTER, OH 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT SPRING	GROUND COVER FALL	COLOR SPRING	APR	MAY	JUN	QUALITY JUL	RATINGS AUG	SEP	OCT	NOV	MEAN
PST-2HFM	5.0	63.3	38.3	4.3	4.3	4.3	2.7	3.0	3.3	3.3	3.3	3.3	3.5
GRAND SLAM G-LS (PPG-PR 637)	5.0	66.7	29.0	4.0	4.3	4.7	3.3	3.0	2.7	3.7	3.0	3.0	3.5
GO-RUS20	5.3	80.0	28.3	4.0	4.3	5.3	3.3	2.3	2.7	3.3	3.0	3.0	3.4
GO-RUS22	4.3	56.7	35.0	4.3	3.3	4.3	3.3	2.7	3.3	3.7	3.3	3.3	3.4
PISTON	5.0	71.7	31.7	4.0	4.3	5.0	2.7	3.0	3.0	3.3	3.0	3.0	3.4
SUNDOWN (BY-PS2)	5.0	63.3	31.7	4.3	4.3	4.3	3.0	3.3	3.0	3.3	3.0	3.0	3.4
BAR LP 22262	5.0	63.3	30.7	4.0	4.0	4.0	3.7	3.0	3.0	3.3	2.7	2.7	3.3
DLF-PR-3730	5.3	66.7	30.0	4.3	4.7	4.0	2.3	2.7	3.3	3.7	3.0	3.0	3.3
GO-RUS21	5.7	60.0	35.0	4.7	4.7	4.0	2.7	3.0	3.0	3.3	3.0	3.0	3.3
LINN	3.7	63.3	30.7	3.0	3.7	3.3	3.7	3.3	3.3	3.3	2.7	2.7	3.3
PST-2MES1	5.3	65.0	35.0	4.3	4.3	4.0	2.7	3.0	3.0	3.3	3.0	3.0	3.3
RELIC (PPG-PR 611)	4.7	73.3	31.7	4.0	3.7	4.7	3.3	3.3	3.3	3.0	2.7	2.7	3.3
BSG-PR22	4.7	60.0	37.3	4.0	3.7	4.0	2.7	2.3	3.0	3.7	3.0	3.0	3.2
DARK MATTER	5.0	63.3	34.0	4.0	4.0	3.7	2.3	2.3	3.0	3.0	3.7	3.7	3.2
PPG-PR 643	5.7	70.0	24.0	5.7	5.0	4.3	2.3	2.7	2.7	2.7	3.0	3.0	3.2
PPG-PR 661	4.3	50.0	30.7	3.3	3.3	4.0	2.3	2.3	3.3	3.3	3.3	3.3	3.2
DLF-PR-3727	5.0	63.3	31.7	3.7	4.0	4.3	3.0	2.7	2.7	3.0	2.7	2.7	3.1
KARMA	4.7	60.0	30.7	4.0	3.7	4.7	2.7	2.3	2.7	3.3	2.7	2.7	3.1
PPG-PR 664	5.0	56.7	25.0	3.7	4.0	4.3	2.3	2.7	2.7	2.7	3.0	3.0	3.1
EXCEED (PPG-PR 668)	5.7	58.3	29.0	4.3	4.7	3.7	2.3	2.3	2.7	3.0	3.0	3.0	3.1
PPG-PR 670	4.7	56.7	27.3	3.3	3.7	4.0	3.3	2.3	2.7	3.0	3.0	3.0	3.1
RPP3	5.0	56.7	26.7	3.7	4.0	4.0	2.7	2.3	2.7	3.3	3.0	3.0	3.1
20PR10	4.7	66.7	21.7	3.7	3.7	4.3	2.7	3.0	2.3	2.3	2.7	2.7	3.0
DLF-PR-3735	4.7	53.3	24.0	3.3	3.7	3.7	2.0	3.0	2.7	3.0	3.0	3.0	3.0
PERFORMANCE (NAI-PR5)	5.0	60.0	30.7	4.3	4.3	4.0	2.7	2.3	2.7	3.3	2.3	2.3	3.0
APPLE 4SGL (PPG-PR 663)	4.7	60.0	31.7	3.7	3.7	4.3	2.0	1.7	2.7	3.0	3.3	3.3	3.0
PST-2SPF	4.3	46.7	23.3	3.0	3.3	4.0	2.3	2.3	3.0	2.7	3.0	3.0	3.0
NEXUS DK (SE-DK)	4.7	56.7	28.3	4.0	3.7	4.0	2.0	2.3	2.0	3.0	3.0	3.0	2.9
GREENBACK	4.3	53.3	28.3	3.3	3.3	3.7	2.0	1.7	2.7	3.0	3.0	3.0	2.8
PPG-PR 666	4.7	48.3	23.3	3.7	3.7	4.0	2.3	2.0	2.3	2.7	2.7	2.7	2.8
LTP-NR	4.7	48.3	28.3	3.3	3.7	3.3	2.0	2.0	2.7	3.0	2.3	2.3	2.7
PST-2BGL	5.0	61.7	20.7	4.0	4.0	4.3	2.7	2.3	2.3	2.0	2.0	2.0	2.7
HIGH OCTANE	4.7	50.0	25.0	3.3	3.7	3.3	2.3	2.0	2.3	2.7	2.3	2.3	2.6
LIGHTSPEED (PST-2DRG)	4.3	50.0	21.3	3.0	3.3	3.3	2.0	1.7	2.7	2.3	2.3	2.3	2.5
PROMINENT II (TSC-CRS)	3.3	46.7	21.7	3.0	2.3	3.7	2.0	2.0	2.3	2.3	2.3	2.3	2.4
LTP-RPP4	4.3	53.3	18.0	3.0	3.3	4.0	2.0	2.0	2.0	2.0	1.7	1.7	2.3
LSD VALUE	3.3	52.4	50.8	3.2	3.8	3.0	3.5	3.5	3.7	2.9	4.3	4.3	2.6
C.V. (%)	20.2	22.7	42.2	24.2	25.4	19.3	32.1	34.3	33.2	32.4	36.0	36.0	24.9

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

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

TABLE 11.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
OVERSEEDED INTO A BERMUDA FAIRWAY AT PALM DESERT (MOUNTAIN VISTA GOLF CLUB), CA 1/
2024 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER SPRING	PERCENT 11/9/23	ESTABLISHMENT 11/17/2023	PERCENT GREEN COVER 1/10/24	2/17/24	JAN	FEB	QUALITY RATINGS				MEAN
									MAR	APR	NOV	DEC	
DARK MATTER	8.3	95.0	28.3	60.0	95.0	97.7	7.3	7.3	8.3	8.0	5.3	7.0	7.2
GRAY EAGLE SLT (PST-2MEG)	6.7	93.3	20.0	78.3	96.0	98.0	7.0	7.3	8.0	7.3	6.0	7.3	7.2
LIGHTSPEED (PST-2DRG)	8.0	93.3	15.0	61.7	96.3	99.0	7.0	7.7	8.0	7.7	5.7	7.3	7.2
PPG-PR 606	7.3	95.0	25.0	68.3	96.0	98.0	7.0	7.7	7.7	8.0	5.7	7.0	7.2
EXCEED (PPG-PR 668)	7.0	95.0	28.3	75.0	96.0	98.7	7.0	7.3	8.0	7.3	6.0	7.3	7.2
STELLAR 4GL	7.0	95.0	28.3	71.7	97.0	99.0	7.3	8.0	7.0	7.7	6.0	7.3	7.2
ULTRA SPORT (PST-2HAF20)	8.0	85.0	20.0	61.7	97.7	98.7	7.3	8.0	6.7	8.0	5.7	7.3	7.2
BRIGHTSTAR SLT	7.0	95.0	20.0	73.3	94.3	97.3	7.0	7.0	7.7	7.7	6.3	6.7	7.1
NEXUS DK (SE-DK)	8.3	91.7	26.7	76.7	92.7	96.7	7.0	7.7	7.7	7.0	6.0	7.3	7.1
PPG-PR 670	7.0	93.3	28.3	75.0	97.0	98.3	7.0	7.7	7.0	7.7	6.0	7.0	7.1
PS4	7.3	88.3	17.3	65.0	96.3	98.3	6.7	7.0	7.0	8.0	6.0	7.7	7.1
PST-2E6	7.7	94.7	20.0	71.7	96.0	98.3	6.7	7.7	7.3	7.0	6.3	7.3	7.1
PST-2SPF	7.7	88.3	31.7	78.3	97.0	98.0	7.0	7.7	6.7	7.7	6.0	7.7	7.1
ASPIRATION (DLF-PR-3736)	7.7	93.3	38.3	76.7	95.0	98.0	6.7	7.0	7.3	8.0	6.0	7.0	7.0
GO-RUS21	7.0	93.3	36.7	76.7	97.0	99.0	7.0	7.7	6.7	7.7	6.0	7.0	7.0
MRSI-PR22	7.3	90.0	35.0	76.7	92.3	96.0	7.0	7.0	7.0	7.7	6.3	7.0	7.0
STINGER (PST-2EGY)	7.0	88.3	23.3	65.0	95.0	97.7	6.7	7.3	6.7	8.0	6.0	7.3	7.0
APS	7.7	91.7	35.0	73.3	95.3	97.3	7.0	6.7	7.0	7.7	6.3	7.0	6.9
BAR LP 22174	6.3	90.0	30.0	68.3	96.3	98.0	7.0	7.0	7.0	7.3	6.0	7.0	6.9
CJPIR	6.7	93.3	25.0	83.3	94.3	98.3	6.7	7.0	6.7	8.0	6.0	7.0	6.9
DLF-PR-3730	7.7	95.0	30.0	63.3	96.0	97.0	6.7	6.7	7.3	7.7	6.0	7.3	6.9
DLF-PR-3735	7.3	91.7	35.0	72.7	93.7	97.7	6.3	7.0	7.0	7.7	6.3	7.0	6.9
PPG-PR671	6.7	91.7	26.7	70.0	94.3	97.3	6.7	7.0	7.3	7.7	6.0	7.0	6.9
GO-RUS20	7.0	93.3	23.3	71.7	95.3	98.7	6.7	7.3	7.0	8.0	5.7	6.7	6.9
GO-RUS22	7.0	90.0	21.7	70.0	95.7	97.7	7.0	7.3	7.3	7.0	6.0	7.0	6.9
HIGH OCTANE	7.7	88.3	16.7	65.0	96.0	98.0	7.3	7.3	6.3	7.7	5.7	7.3	6.9
IGNITION (PPG-PR 647)	7.7	86.7	26.7	71.0	97.0	99.0	7.0	7.3	6.7	8.0	5.7	6.7	6.9
PPG-PR 610	6.7	93.3	33.3	71.7	95.3	96.7	6.7	6.3	7.0	8.0	6.0	7.3	6.9
PPG-PR 620	7.3	95.0	23.3	63.3	95.7	96.7	7.0	6.7	7.0	7.7	6.0	7.3	6.9
PPG-PR 639	7.3	90.0	25.0	75.0	95.3	97.3	6.7	7.3	7.0	8.0	6.0	6.7	6.9
PPG-PR 642	7.0	95.0	31.7	76.7	97.7	98.7	6.7	7.3	6.7	7.7	6.0	7.3	6.9
PPG-PR 643	7.7	86.7	40.0	80.0	95.7	98.3	6.7	7.3	6.7	7.7	6.0	7.0	6.9
PPG-PR 661	7.0	93.3	25.0	68.3	94.3	97.0	7.0	6.7	7.3	7.7	6.0	7.0	6.9
PPG-PR 666	7.0	93.3	25.0	70.0	95.3	98.0	6.7	6.7	7.3	7.7	6.0	7.0	6.9
PROMINENT II (TSC-CRS)	8.0	91.7	21.7	70.0	94.7	97.7	7.0	7.0	7.0	7.0	6.0	7.3	6.9
PST-2BGL	8.0	86.7	15.0	63.3	96.0	98.3	7.3	7.0	7.3	7.3	5.7	7.0	6.9
SILETZ	7.0	91.7	28.3	75.0	97.0	98.7	7.0	7.0	7.3	8.0	5.7	6.7	6.9
VORTEX SRT (PPG-PR 665)	6.7	95.0	28.3	73.3	96.3	98.0	7.0	6.3	7.3	8.0	6.0	7.0	6.9
BAR LP 22263	7.3	78.3	14.3	58.3	94.0	97.3	7.0	7.3	6.3	7.3	6.0	6.7	6.8
DLF-PR-3727	6.3	90.0	30.0	66.7	92.3	97.0	6.3	7.0	6.7	8.0	6.3	6.7	6.8
DLF-PR-3728	7.0	93.3	41.7	73.3	96.0	97.7	6.7	6.3	7.3	8.0	5.7	7.0	6.8
FLIGHTLINE (PST-214)	7.3	76.7	16.7	68.3	97.7	98.3	7.0	7.0	5.7	8.0	6.3	7.0	6.8
HOMERUN LS	6.7	95.0	33.3	76.7	95.7	97.7	7.0	6.7	7.3	7.3	6.0	6.7	6.8
LTP-NR	7.0	93.3	28.3	73.3	96.0	97.7	7.0	6.7	7.0	7.3	6.0	7.0	6.8
APPLE 4SGL (PPG-PR 663)	6.3	93.3	31.7	71.7	93.3	96.0	6.7	6.3	7.0	8.0	6.0	6.7	6.8
PPG-PR 664	7.0	86.7	26.7	68.3	92.3	97.7	6.3	6.7	6.7	8.0	6.3	6.7	6.8
PPG-PR 667	7.0	95.0	28.3	71.7	95.3	96.7	6.3	7.0	7.3	8.0	5.7	6.7	6.8

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
OVERSEEDED INTO A BERMUDA FAIRWAY AT PALM DESERT (MOUNTAIN VISTA GOLF CLUB), CA 1/
2024 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	PERCENT GROUND COVER SPRING	PERCENT 11/9/23	ESTABLISHMENT 11/17/2023	PERCENT GREEN COVER 1/10/24	2/17/24	JAN	FEB	QUALITY MAR	RATINGS APR	NOV	DEC	MEAN
PST-2ADS	7.3	85.0	41.7	78.3	96.0	98.3	7.0	7.3	6.3	7.3	6.0	7.0	6.8
PVF-RPP2	7.3	91.7	22.7	58.3	94.0	97.7	6.3	7.3	7.0	7.7	5.7	6.7	6.8
RC20-020	7.3	93.3	38.3	74.3	96.3	97.3	7.0	7.0	6.7	7.0	6.0	7.3	6.8
SGP4	7.3	91.7	16.7	62.7	96.7	98.0	7.0	7.0	7.0	8.0	5.0	6.7	6.8
GRAND SLAM G-LS (PPG-PR 637)	6.7	93.3	35.0	66.7	94.0	97.0	6.3	7.0	6.7	7.7	6.3	6.7	6.8
20PR10	6.7	86.7	26.7	66.7	94.7	97.7	6.3	7.0	6.7	7.7	6.0	6.7	6.7
ALPHA CENTAURI	6.7	90.0	40.0	70.0	94.7	97.3	6.3	6.7	6.7	7.3	6.0	7.0	6.7
FASTBALL 4GL (PPG-PR 658)	6.7	95.0	25.0	68.3	96.3	97.0	6.3	6.7	7.0	8.0	6.0	6.3	6.7
DLF-PR-3729	6.7	93.3	33.3	73.3	90.3	97.3	6.0	6.7	7.0	7.7	6.0	7.0	6.7
GREENBACK	7.7	83.3	28.3	70.0	93.7	97.0	7.3	6.3	6.3	7.7	6.0	6.7	6.7
LTP-RPP4	7.0	90.0	30.0	63.3	94.3	96.0	6.3	6.3	7.0	8.0	5.7	7.0	6.7
SLIDER SG (PPG-PR 602)	6.7	90.0	25.0	70.0	93.0	95.3	6.7	6.3	7.0	7.7	6.0	6.7	6.7
PST-2GDS	7.0	86.7	26.7	70.0	94.3	97.7	6.7	6.7	6.7	7.3	6.0	6.7	6.7
RPP3	6.3	93.3	21.7	66.7	91.0	95.7	6.7	6.0	7.0	8.0	6.3	6.3	6.7
SUNDOWN (BY-PS2)	6.3	93.3	25.0	70.0	94.3	96.3	6.7	6.7	6.7	7.7	5.7	6.7	6.7
BAR LP 22262	6.3	88.3	22.7	61.7	93.0	96.7	6.7	6.0	6.7	8.0	6.0	6.0	6.6
BSG-PR22	7.7	85.0	35.0	71.7	91.7	95.3	6.3	5.7	6.7	7.7	5.7	7.3	6.6
DLF-PR-3726	7.0	93.3	31.7	75.0	95.0	97.3	6.7	5.7	7.3	8.0	5.7	6.3	6.6
PISTON	7.0	88.3	26.0	65.0	94.3	97.7	7.0	6.7	6.3	7.3	5.7	6.7	6.6
PPG-PR 646	6.7	83.3	20.0	65.0	91.7	95.3	6.3	6.7	6.7	8.0	5.7	6.3	6.6
PST-2MES1	6.7	88.3	14.3	46.7	93.0	96.3	6.7	6.7	7.0	8.0	5.3	6.0	6.6
QUASAR	6.7	90.0	21.7	66.7	94.3	96.0	7.0	6.7	6.7	7.7	5.3	6.0	6.6
RELIC (PPG-PR 611)	6.3	93.3	26.7	66.7	92.7	95.7	6.3	6.0	7.3	7.7	5.3	6.7	6.6
BAR LP 22191	6.7	90.0	21.7	70.0	93.0	96.7	6.3	6.7	6.7	7.7	5.7	6.0	6.5
BAR LP 22256	6.7	88.3	16.7	66.7	93.0	94.3	7.0	5.3	6.7	7.7	5.7	6.7	6.5
PERFORMANCE (NAI-PR5)	6.7	88.3	30.0	75.0	92.7	96.0	7.0	6.3	6.3	7.0	5.7	6.7	6.5
DLF-PR-3737	7.0	86.7	16.7	55.0	94.0	97.0	6.3	6.3	7.3	6.7	5.3	6.7	6.4
WICKED COOL (DLF-PR-3738)	7.0	80.0	20.0	68.3	94.7	97.0	6.7	6.7	6.0	7.3	5.3	6.7	6.4
PPG-PR 662	6.3	90.0	40.0	75.0	90.0	94.3	5.7	6.0	7.3	7.7	6.0	6.0	6.4
PST-2HFM	7.3	85.0	20.0	58.3	95.0	97.0	6.7	7.0	6.7	6.7	5.3	6.3	6.4
PVF-SGS5	6.3	90.0	26.7	66.7	91.7	95.0	6.3	6.0	6.7	8.0	5.7	6.0	6.4
HOMERUN G-LS (PPG-PR 644)	6.7	88.3	26.7	75.0	91.0	96.0	6.3	6.3	6.3	7.3	5.7	6.0	6.3
KARMA	6.3	86.7	20.0	58.3	91.7	97.7	6.3	7.3	6.3	6.7	5.0	6.3	6.3
DLF-LGT-3066	6.3	83.3	13.3	50.0	88.3	93.7	6.3	5.3	6.0	7.0	5.7	6.7	6.2
SEPR-2013	6.3	91.7	19.3	46.0	85.0	90.0	6.0	3.7	7.0	7.7	5.3	5.7	5.9
LINN	4.7	76.7	27.7	63.3	88.0	93.3	5.7	5.3	5.7	7.0	5.7	5.7	5.8
LSD VALUE	1.1	31.8	32.9	41.9	9.3	4.9	2.2	3.3	2.4	3.3	1.6	1.9	0.9
C.V. (%)	8.5	8.3	40.4	16.7	3.6	2.1	8.9	15.4	10.9	9.0	8.1	9.6	5.6

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

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

TABLE 12A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL TRANSITION PERIOD 10/31/22-12/1/22		FALL TRANSITION PERIOD 10/31/22-12/1/22		FALL TRANSITION PERIOD 10/31/22-12/1/22		FALL TRANSITION PERIOD 10/31/22-12/1/22		FALL TRANSITION PERIOD 10/31/22-12/1/22	
	% COVER BERMUDA 10/31/22	% COVER OVERSEEDING 10/31/22	% COVER BERMUDA 11/14/22	% COVER OVERSEEDING 11/14/22	% COVER BERMUDA 11/21/22	% COVER OVERSEEDING 11/21/22	% COVER BERMUDA 12/01/22	% COVER OVERSEEDING 12/01/22	% COVER BERMUDA 12/01/22	% COVER OVERSEEDING 12/01/22
BAR LP 22174	94.0	6.0	72.5	27.5	65.0	35.0	45.0	55.0		
PPG-PR 670	94.3	5.7	80.0	20.0	61.7	38.3	50.0	50.0		
PST-2MES1	91.0	9.0	70.0	30.0	53.3	46.7	41.7	58.3		
20PR10	94.0	6.0	76.7	23.3	50.0	50.0	46.7	53.3		
PPG-PR671	94.3	5.7	73.3	26.7	53.3	46.7	48.3	51.7		
DLF-PR-3726	95.0	5.0	73.3	26.7	56.7	43.3	46.7	53.3		
ASPIRATION (DLF-PR-3736)	91.7	8.3	68.3	31.7	56.7	43.3	56.7	43.3		
RC20-020	93.3	6.7	73.3	26.7	58.3	41.7	36.7	63.3		
FLIGHTLINE (PST-214)	94.7	5.3	76.7	23.3	63.3	36.7	43.3	56.7		
HOMERUN LS	89.3	10.7	65.0	35.0	51.7	48.3	50.0	50.0		
KARMA	94.7	5.3	75.0	25.0	61.7	38.3	46.7	53.3		
PERFORMANCE (NAI-PR5)	94.0	6.0	70.0	30.0	57.5	42.5	55.0	45.0		
RELIC (PPG-PR 611)	94.3	5.7	73.3	26.7	56.7	43.3	43.3	56.7		
DLF-PR-3728	93.3	6.7	70.0	30.0	48.3	51.7	55.0	45.0		
HOMERUN G-LS (PPG-PR 644)	94.3	5.7	75.0	25.0	61.7	38.3	50.0	50.0		
PPG-PR 620	93.3	6.7	76.7	23.3	60.0	40.0	50.0	50.0		
PPG-PR 662	95.0	5.0	75.0	25.0	75.0	25.0	45.0	55.0		
EXCEED (PPG-PR 668)	96.3	3.7	78.3	21.7	58.3	41.7	60.0	40.0		
PST-2ADS	96.3	3.7	75.0	25.0	66.7	33.3	53.3	46.7		
SGP4	96.0	4.0	77.5	22.5	62.5	37.5	50.0	50.0		
BRIGHTSTAR SLT	93.7	6.3	68.3	31.7	65.0	35.0	55.0	45.0		
CJP1R	95.7	4.3	80.0	20.0	65.0	35.0	56.7	43.3		
DLF-LGT-3066	96.3	3.7	76.7	23.3	60.0	40.0	51.7	48.3		
GREENBACK	93.7	6.3	76.7	23.3	65.0	35.0	60.0	40.0		
LTP-RPP4	94.0	6.0	75.0	25.0	58.3	41.7	53.3	46.7		
PPG-PR 610	93.7	6.3	76.7	23.3	66.7	33.3	43.3	56.7		
PPG-PR 642	94.3	5.7	70.0	30.0	63.3	36.7	50.0	50.0		
BSG-PR22	95.0	5.0	70.0	30.0	55.0	45.0	55.0	45.0		
GO-RUS22	95.0	5.0	72.5	27.5	67.5	32.5	35.0	65.0		
PISTON	94.0	6.0	70.0	30.0	53.3	46.7	46.7	53.3		
PPG-PR 646	95.0	5.0	72.5	27.5	75.0	25.0	42.5	57.5		
PPG-PR 666	95.0	5.0	76.7	23.3	61.7	38.3	48.3	51.7		
ALPHA CENTAURI	94.3	5.7	75.0	25.0	63.3	36.7	58.3	41.7		
WICKED COOL (DLF-PR-3738)	95.0	5.0	70.0	30.0	65.0	35.0	50.0	50.0		
GRAY EAGLE SLT (PST-2MEG)	96.3	3.7	71.7	28.3	53.3	46.7	56.7	43.3		
LIGHTSPEED (PST-2DRG)	95.7	4.3	73.3	26.7	58.3	41.7	51.7	48.3		
LTP-NR	95.0	5.0	76.7	23.3	60.0	40.0	50.0	50.0		
PPG-PR 606	92.5	7.5	67.5	32.5	60.0	40.0	50.0	50.0		
PPG-PR 639	91.5	8.5	65.0	35.0	65.0	35.0	42.5	57.5		
PPG-PR 667	95.0	5.0	73.3	26.7	63.3	36.7	48.3	51.7		
PST-2BGL	94.3	5.7	73.3	26.7	70.0	30.0	55.0	45.0		
PVF-SGS5	94.0	6.0	73.3	26.7	60.0	40.0	56.7	43.3		
APS	94.7	5.3	76.7	23.3	66.7	33.3	60.0	40.0		
PPG-PR 661	97.0	3.0	83.3	16.7	66.7	33.3	56.7	43.3		
PS4	97.0	3.0	78.3	21.7	66.7	33.3	53.3	46.7		

TABLE 12A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL TRANSITION PERIOD 10/31/22-12/1/22		FALL TRANSITION PERIOD 10/31/22-12/1/22		FALL TRANSITION PERIOD 10/31/22-12/1/22		FALL TRANSITION PERIOD 10/31/22-12/1/22	
	% COVER BERMUDA 10/31/22	% COVER OVERSEEDING 10/31/22	% COVER BERMUDA 11/14/22	% COVER OVERSEEDING 11/14/22	% COVER BERMUDA 11/21/22	% COVER OVERSEEDING 11/21/22	% COVER BERMUDA 12/01/22	% COVER OVERSEEDING 12/01/22
STINGER (PST-2EGY)	92.5	7.5	67.5	32.5	60.0	40.0	40.0	60.0
PST-2GDS	95.0	5.0	77.5	22.5	70.0	30.0	45.0	55.0
VORTEX SRT (PPG-PR 665)	96.0	4.0	80.0	20.0	65.0	35.0	55.0	45.0
BAR LP 22191	92.0	8.0	71.7	28.3	70.0	30.0	56.7	43.3
DLF-PR-3727	94.3	5.7	73.3	26.7	63.3	36.7	50.0	50.0
DLF-PR-3735	95.0	5.0	71.7	28.3	63.3	36.7	56.7	43.3
GO-RUS21	94.3	5.7	71.7	28.3	53.3	46.7	53.3	46.7
IGNITION (PPG-PR 647)	95.7	4.3	78.3	21.7	73.3	26.7	56.7	43.3
NEXUS DK (SE-DK)	97.0	3.0	75.0	25.0	67.5	32.5	55.0	45.0
SLIDER SG (PPG-PR 602)	94.3	5.7	66.7	33.3	60.0	40.0	50.0	50.0
PPG-PR 643	94.0	6.0	70.0	30.0	65.0	35.0	45.0	55.0
QUASAR	94.3	5.7	70.0	30.0	63.3	36.7	56.7	43.3
SEPR-2013	95.0	5.0	70.0	30.0	60.0	40.0	45.0	55.0
ULTRA SPORT (PST-2HAF20)	96.3	3.7	80.0	20.0	70.0	30.0	56.7	43.3
GO-RUS20	94.3	5.7	75.0	25.0	70.0	30.0	50.0	50.0
HIGH OCTANE	97.0	3.0	78.3	21.7	60.0	40.0	60.0	40.0
PROMINENT II (TSC-CRS)	96.3	3.7	80.0	20.0	65.0	35.0	60.0	40.0
PVF-RPP2	94.3	5.7	75.0	25.0	71.7	28.3	56.7	43.3
FASTBALL 4GL (PPG-PR 658)	96.3	3.7	80.0	20.0	75.0	25.0	60.0	40.0
BAR LP 22263	95.0	5.0	72.5	27.5	62.5	37.5	45.0	55.0
DARK MATTER	95.0	5.0	75.0	25.0	75.0	25.0	50.0	50.0
APPLE 4SGL (PPG-PR 663)	94.0	6.0	80.0	20.0	75.0	25.0	60.0	40.0
BAR LP 22262	97.0	3.0	78.3	21.7	63.3	36.7	60.0	40.0
DLF-PR-3737	96.3	3.7	83.3	16.7	71.7	28.3	56.7	43.3
PST-2E6	95.7	4.3	78.3	21.7	63.3	36.7	56.7	43.3
SUNDOWN (BY-PS2)	94.0	6.0	70.0	30.0	63.3	36.7	43.3	56.7
MRS-L-PR22	95.7	4.3	75.0	25.0	65.0	35.0	56.7	43.3
PPG-PR 664	96.0	4.0	82.5	17.5	72.5	27.5	50.0	50.0
GRAND SLAM G-LS (PPG-PR 637)	97.0	3.0	83.3	16.7	71.7	28.3	60.0	40.0
STELLAR 4GL	93.3	6.7	73.3	26.7	68.3	31.7	50.0	50.0
BAR LP 22256	96.0	4.0	75.0	25.0	66.7	33.3	53.3	46.7
SILETZ	96.3	3.7	80.0	20.0	73.3	26.7	51.7	48.3
PST-2HFM	95.0	5.0	72.5	27.5	52.5	47.5	50.0	50.0
DLF-PR-3730	95.7	4.3	83.3	16.7	76.7	23.3	58.3	41.7
PST-2SPF	96.3	3.7	86.7	13.3	81.7	18.3	56.7	43.3
RPP3	96.3	3.7	80.0	20.0	78.3	21.7	65.0	35.0
LINN	95.5	4.5	77.5	22.5	75.0	25.0	60.0	40.0
DLF-PR-3729	97.0	3.0	88.3	11.7	81.7	18.3	63.3	36.7
LSD VALUE	5.9	5.9	19.6	19.6	30.5	30.5	48.9	48.9
C.V. (%)	2.2	39.6	8.7	26.3	16.0	28.6	19.5	21.4

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 12A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER TRANSITION PERIOD 12/20/22-2/12/23					SPRING/SUMMER TRANSITION PERIOD				
	% COVER DORMANT 12/20	% COVER OVERSEEDING 12/20	% COVER DORMANT 1/12	% COVER OVERSEEDING 1/12	% COVER DORMANT 2/12	% COVER OVERSEEDING 2/12	% COVER DORMANT 3/16	% COVER OVERSEEDING 3/16	% COVER DORMANT 4/13	% COVER OVERSEEDING 4/13
BAR LP 22174	45.0	55.0	25.0	75.0	6.5	93.5	70.0	30.0	3.0	97.0
PPG-PR 670	51.7	48.3	16.7	83.3	11.0	89.0	75.0	25.0	4.0	96.0
PST-2MES1	50.0	50.0	21.7	78.3	7.0	93.0	80.0	20.0	2.7	97.3
20PR10	48.3	51.7	11.7	88.3	9.3	90.7	70.0	30.0	5.3	94.7
PPG-PR671	50.0	50.0	21.7	78.3	6.0	94.0	76.7	23.3	1.0	99.0
DLF-PR-3726	51.7	48.3	25.0	75.0	6.7	93.3	70.0	30.0	3.7	96.3
ASPIRATION (DLF-PR-3736)	51.7	48.3	23.3	76.7	5.0	95.0	71.7	28.3	3.7	96.3
RC20-020	55.0	45.0	28.3	71.7	11.7	88.3	70.0	30.0	2.3	97.7
FLIGHTLINE (PST-214)	58.3	41.7	28.3	71.7	6.0	94.0	66.7	33.3	2.3	97.7
HOMERUN LS	50.0	50.0	18.3	81.7	11.7	88.3	63.3	36.7	2.3	97.7
KARMA	50.0	50.0	35.0	65.0	7.7	92.3	75.0	25.0	2.3	97.7
PERFORMANCE (NAI-PR5)	55.0	45.0	20.0	80.0	11.5	88.5	72.5	27.5	7.5	92.5
RELIC (PPG-PR 611)	55.0	45.0	21.7	78.3	10.0	90.0	68.3	31.7	2.7	97.3
DLF-PR-3728	56.7	43.3	26.7	73.3	8.3	91.7	75.0	25.0	6.3	93.7
HOMERUN G-LS (PPG-PR 644)	53.3	46.7	30.0	70.0	16.0	84.0	70.0	30.0	2.0	98.0
PPG-PR 620	63.3	36.7	23.3	76.7	11.7	88.3	71.7	28.3	3.3	96.7
PPG-PR 662	62.5	37.5	25.0	75.0	7.5	92.5	70.0	30.0	2.0	98.0
EXCEED (PPG-PR 668)	55.0	45.0	31.7	68.3	11.7	88.3	68.3	31.7	4.7	95.3
PST-2ADS	58.3	41.7	28.3	71.7	15.0	85.0	63.3	36.7	4.0	96.0
SGP4	52.5	47.5	32.5	67.5	10.0	90.0	62.5	37.5	2.0	98.0
BRIGHTSTAR SLT	51.7	48.3	31.7	68.3	11.7	88.3	63.3	36.7	3.0	97.0
CJPIR	65.0	35.0	38.3	61.7	13.3	86.7	70.0	30.0	3.0	97.0
DLF-LGT-3066	50.0	50.0	28.3	71.7	14.3	85.7	56.7	43.3	4.7	95.3
GREENBACK	51.7	48.3	28.3	71.7	15.0	85.0	60.0	40.0	1.3	98.7
LTP-RPP4	53.3	46.7	33.3	66.7	13.3	86.7	65.0	35.0	1.0	99.0
PPG-PR 610	58.3	41.7	26.7	73.3	11.7	88.3	70.0	30.0	2.3	97.7
PPG-PR 642	58.3	41.7	26.7	73.3	11.7	88.3	70.0	30.0	4.0	96.0
BSG-PR22	57.5	42.5	32.5	67.5	15.0	85.0	70.0	30.0	4.0	96.0
GO-RUS22	57.5	42.5	27.5	72.5	12.5	87.5	75.0	25.0	2.0	98.0
PISTON	56.7	43.3	23.3	76.7	15.0	85.0	56.7	43.3	1.7	98.3
PPG-PR 646	62.5	37.5	22.5	77.5	7.5	92.5	52.5	47.5	1.0	99.0
PPG-PR 666	53.3	46.7	23.3	76.7	10.0	90.0	51.7	48.3	2.7	97.3
ALPHA CENTAURI	60.0	40.0	30.0	70.0	11.7	88.3	71.7	28.3	4.7	95.3
WICKED COOL (DLF-PR-3738)	60.0	40.0	30.0	70.0	12.5	87.5	72.5	27.5	3.0	97.0
GRAY EAGLE SLT (PST-2MEG)	43.3	56.7	31.7	68.3	16.7	83.3	46.7	53.3	6.3	93.7
LIGHTSPEED (PST-2DRG)	56.7	43.3	28.3	71.7	10.0	90.0	60.0	40.0	2.3	97.7
LTP-NR	60.0	40.0	28.3	71.7	10.0	90.0	56.7	43.3	2.3	97.7
PPG-PR 606	55.0	45.0	30.0	70.0	15.0	85.0	50.0	50.0	3.0	97.0
PPG-PR 639	62.5	37.5	35.0	65.0	10.0	90.0	72.5	27.5	1.0	99.0
PPG-PR 667	51.7	48.3	26.7	73.3	13.3	86.7	43.3	56.7	3.0	97.0
PST-2BGL	56.7	43.3	26.7	73.3	15.0	85.0	55.0	45.0	2.3	97.7
PVF-SGS5	58.3	41.7	28.3	71.7	11.7	88.3	60.0	40.0	3.0	97.0
APS	61.7	38.3	30.0	70.0	13.3	86.7	66.7	33.3	3.3	96.7
PPG-PR 661	58.3	41.7	25.0	75.0	13.3	86.7	56.7	43.3	2.3	97.7
PS4	60.0	40.0	28.3	71.7	25.0	75.0	65.0	35.0	4.3	95.7

TABLE 12A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER TRANSITION PERIOD 12/20/22-2/12/23					SPRING/SUMMER TRANSITION PERIOD				
	% COVER DORMANT 12/20	% COVER OVERSEEDING 12/20	% COVER DORMANT 1/12	% COVER OVERSEEDING 1/12	% COVER DORMANT 2/12	% COVER OVERSEEDING 2/12	% COVER DORMANT 3/16	% COVER OVERSEEDING 3/16	% COVER DORMANT 4/13	% COVER OVERSEEDING 4/13
STINGER (PST-2EGY)	62.5	37.5	32.5	67.5	20.0	80.0	60.0	40.0	2.0	98.0
PST-2GDS	57.5	42.5	30.0	70.0	9.0	91.0	42.5	57.5	2.0	98.0
VORTEX SRT (PPG-PR 665)	55.0	45.0	30.0	70.0	15.0	85.0	50.0	50.0	2.0	98.0
BAR LP 22191	63.3	36.7	33.3	66.7	13.3	86.7	56.7	43.3	3.0	97.0
DLF-PR-3727	55.0	45.0	31.7	68.3	11.7	88.3	55.0	45.0	6.0	94.0
DLF-PR-3735	66.7	33.3	36.7	63.3	13.3	86.7	53.3	46.7	4.7	95.3
GO-RUS21	55.0	45.0	26.7	73.3	8.3	91.7	46.7	53.3	3.3	96.7
IGNITION (PPG-PR 647)	63.3	36.7	31.7	68.3	16.7	83.3	60.0	40.0	3.0	97.0
NEXUS DK (SE-DK)	62.5	37.5	30.0	70.0	15.0	85.0	47.5	52.5	3.0	97.0
SLIDER SG (PPG-PR 602)	55.0	45.0	26.7	73.3	18.3	81.7	46.7	53.3	3.0	97.0
PPG-PR 643	62.5	37.5	35.0	65.0	20.0	80.0	55.0	45.0	2.0	98.0
QUASAR	53.3	46.7	40.0	60.0	25.0	75.0	50.0	50.0	4.0	96.0
SEPR-2013	65.0	35.0	27.5	72.5	17.5	82.5	55.0	45.0	4.0	96.0
ULTRA SPORT (PST-2HAF20)	60.0	40.0	26.7	73.3	18.3	81.7	56.7	43.3	2.3	97.7
GO-RUS20	66.7	33.3	43.3	56.7	6.7	93.3	65.0	35.0	2.7	97.3
HIGH OCTANE	55.0	45.0	33.3	66.7	28.3	71.7	46.7	53.3	3.0	97.0
PROMINENT II (TSC-CRS)	65.0	35.0	38.3	61.7	16.7	83.3	56.7	43.3	3.7	96.3
PVF-RPP2	66.7	33.3	36.7	63.3	11.7	88.3	60.0	40.0	3.7	96.3
FASTBALL 4GL (PPG-PR 658)	56.7	43.3	41.7	58.3	20.0	80.0	53.3	46.7	1.3	98.7
BAR LP 22263	55.0	45.0	32.5	67.5	17.5	82.5	67.5	32.5	1.5	98.5
DARK MATTER	67.5	32.5	45.0	55.0	15.0	85.0	60.0	40.0	1.5	98.5
APPLE 4SGL (PPG-PR 663)	60.0	40.0	33.3	66.7	26.7	73.3	56.7	43.3	3.7	96.3
BAR LP 22262	65.0	35.0	36.7	63.3	16.7	83.3	60.0	40.0	6.7	93.3
DLF-PR-3737	65.0	35.0	51.7	48.3	10.0	90.0	56.7	43.3	1.7	98.3
PST-2E6	61.7	38.3	40.0	60.0	42.7	57.3	48.3	51.7	4.3	95.7
SUNDOWN (BY-PS2)	60.0	40.0	30.0	70.0	25.0	75.0	40.0	60.0	2.3	97.7
MRS-L-PR22	58.3	41.7	43.3	56.7	25.0	75.0	56.7	43.3	5.0	95.0
PPG-PR 664	65.0	35.0	37.5	62.5	30.0	70.0	65.0	35.0	3.0	97.0
GRAND SLAM G-LS (PPG-PR 637)	73.3	26.7	45.0	55.0	20.0	80.0	51.7	48.3	3.0	97.0
STELLAR 4GL	60.0	40.0	31.7	68.3	28.3	71.7	43.3	56.7	3.7	96.3
BAR LP 22256	66.7	33.3	40.0	60.0	25.0	75.0	51.7	48.3	2.3	97.7
SILETZ	65.0	35.0	45.0	55.0	20.0	80.0	38.3	61.7	2.7	97.3
PST-2HFM	62.5	37.5	37.5	62.5	20.0	80.0	37.5	62.5	3.0	97.0
DLF-PR-3730	65.0	35.0	53.3	46.7	18.3	81.7	28.3	71.7	1.7	98.3
PST-2SPFF	70.0	30.0	50.0	50.0	23.3	76.7	50.0	50.0	2.0	98.0
RPP3	70.0	30.0	53.3	46.7	18.3	81.7	43.3	56.7	1.0	99.0
LINN	70.0	30.0	55.0	45.0	40.0	60.0	60.0	40.0	2.0	98.0
DLF-PR-3729	73.3	26.7	55.0	45.0	21.7	78.3	48.3	51.7	1.7	98.3
LSD VALUE	55.4	55.4	33.7	33.7	36.5	36.5	59.3	59.3	13.2	13.2
C.V. (%)	19.0	27.0	37.8	17.8	69.5	12.5	27.7	40.3	81.4	2.6

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 12A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
(CONT'D) ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER COLOR	SPRING DENSITY	QUALITY 12/20	RATINGS 1/12	WINTER 2/12	QUALITY 3/16	SPRING MEAN
BAR LP 22174	7.5	5.5	4.5	6.5	8.5	5.5	6.3
PPG-PR 670	7.0	5.0	4.0	7.0	8.0	5.7	6.2
PST-2MES1	7.0	6.0	4.0	6.3	8.3	6.0	6.2
20PR10	7.0	5.3	4.3	7.0	7.7	5.3	6.1
PPG-PR671	6.3	5.7	4.0	6.7	8.0	5.7	6.1
DLF-PR-3726	7.3	5.7	4.3	6.7	7.3	5.7	6.0
ASPIRATION (DLF-PR-3736)	6.7	4.7	3.7	7.0	8.0	5.3	6.0
RC20-020	7.0	6.0	3.7	6.3	8.0	6.0	6.0
FLIGHTLINE (PST-214)	6.7	5.3	3.7	6.3	8.0	5.7	5.9
HOMERUN LS	6.7	4.7	4.3	7.0	7.7	4.7	5.9
KARMA	6.3	5.0	4.7	6.0	7.7	5.3	5.9
PERFORMANCE (NAI-PR5)	7.0	4.5	3.5	7.0	8.0	5.0	5.9
RELIC (PPG-PR 611)	6.7	4.7	3.7	6.7	8.0	5.3	5.9
DLF-PR-3728	6.3	5.3	3.3	6.3	7.7	5.7	5.8
HOMERUN G-LS (PPG-PR 644)	6.0	5.0	4.0	6.3	7.3	5.3	5.8
PPG-PR 620	7.0	5.7	3.0	6.7	7.7	5.7	5.8
PPG-PR 662	6.5	4.5	3.5	6.5	8.0	5.0	5.8
EXCEED (PPG-PR 668)	7.7	5.3	3.3	6.3	8.0	5.3	5.8
PST-2ADS	6.7	5.3	3.7	6.7	7.3	5.3	5.8
SGP4	7.5	4.5	4.0	6.5	8.0	4.5	5.8
BRIGHTSTAR SLT	7.3	5.0	4.0	6.0	7.7	5.0	5.7
CJP1R	7.3	5.0	3.7	5.7	7.7	5.7	5.7
DLF-LGT-3066	6.3	4.3	4.7	6.0	7.7	4.3	5.7
GREENBACK	8.0	5.0	4.0	6.3	7.3	5.0	5.7
LTP-RPP4	6.7	5.3	4.0	6.0	7.3	5.3	5.7
PPG-PR 610	7.3	5.7	3.3	6.0	7.7	5.7	5.7
PPG-PR 642	6.7	5.0	3.0	6.3	7.7	5.7	5.7
BSG-PR22	8.0	4.5	4.0	6.0	7.5	5.0	5.6
GO-RUS22	7.0	5.0	3.5	6.0	7.5	5.5	5.6
PISTON	7.0	4.0	3.7	6.3	7.7	4.7	5.6
PPG-PR 646	7.0	4.0	3.5	6.5	8.0	4.5	5.6
PPG-PR 666	7.7	4.0	4.0	6.3	8.0	4.0	5.6
ALPHA CENTAURI	6.7	4.7	3.3	5.7	7.7	5.3	5.5
WICKED COOL (DLF-PR-3738)	6.5	4.0	3.5	6.0	7.5	5.0	5.5
GRAY EAGLE SLT (PST-2MEG)	7.0	4.0	4.7	6.0	7.3	4.0	5.5
LIGHTSPEED (PST-2DRG)	7.3	4.0	3.7	6.0	8.0	4.3	5.5
LTP-NR	6.7	5.0	3.3	6.3	7.7	4.7	5.5
PPG-PR 606	7.0	4.0	4.0	6.5	7.5	4.0	5.5
PPG-PR 639	8.0	5.5	3.0	6.0	7.5	5.5	5.5
PPG-PR 667	7.7	3.7	4.3	6.3	7.3	4.0	5.5
PST-2BGL	7.7	4.3	3.7	6.0	7.7	4.7	5.5
PVF-SGS5	7.7	4.7	3.7	6.0	8.0	4.3	5.5
APS	7.0	4.0	3.3	6.0	7.3	5.0	5.4
PPG-PR 661	6.7	3.7	3.3	6.7	7.7	4.0	5.4
PS4	6.7	4.7	3.3	6.7	7.0	4.7	5.4

TABLE 12A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
(CONT'D) ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2022-23 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER COLOR	SPRING DENSITY	QUALITY 12/20	RATINGS 1/12	WINTER 2/12	QUALITY 3/16	SPRING MEAN
STINGER (PST-2EGY)	6.5	4.5	3.5	6.5	7.0	4.5	5.4
PST-2GDS	7.5	3.5	4.0	6.0	8.0	3.5	5.4
VORTEX SRT (PPG-PR 665)	6.5	4.0	4.0	6.5	7.0	4.0	5.4
BAR LP 22191	7.0	4.0	3.0	5.7	8.0	4.3	5.3
DLF-PR-3727	7.3	4.0	4.0	5.7	7.7	3.7	5.3
DLF-PR-3735	6.0	3.7	3.0	6.0	8.0	4.0	5.3
GO-RUS21	7.0	3.3	3.7	6.0	8.0	3.3	5.3
IGNITION (PPG-PR 647)	7.7	5.0	2.7	6.3	7.7	4.7	5.3
NEXUS DK (SE-DK)	7.5	4.0	3.5	6.5	7.5	3.5	5.3
SLIDER SG (PPG-PR 602)	7.3	4.0	3.7	6.0	7.3	4.3	5.3
PPG-PR 643	7.0	4.5	3.0	6.0	7.5	4.5	5.3
QUASAR	6.3	4.0	4.0	5.7	7.3	4.0	5.3
SEPR-2013	6.5	3.0	3.0	6.5	7.5	4.0	5.3
ULTRA SPORT (PST-2HAF20)	6.7	3.3	3.3	6.3	7.3	4.0	5.3
GO-RUS20	7.3	4.7	2.3	5.0	8.0	5.3	5.2
HIGH OCTANE	7.3	4.0	3.7	6.0	7.0	4.0	5.2
PROMINENT II (TSC-CRS)	7.3	4.7	3.0	5.3	7.3	5.0	5.2
PVF-RPP2	6.7	4.7	2.7	5.3	8.0	4.7	5.2
FASTBALL 4GL (PPG-PR 658)	6.7	4.0	3.3	5.3	7.7	4.0	5.1
BAR LP 22263	6.5	4.0	3.5	5.5	7.0	4.5	5.1
DARK MATTER	7.0	5.0	3.0	5.5	7.0	5.0	5.1
APPLE 4SGL (PPG-PR 663)	7.0	4.7	3.0	5.7	7.0	4.7	5.1
BAR LP 22262	7.7	4.7	3.0	5.3	7.3	4.3	5.0
DLF-PR-3737	7.0	5.0	3.0	4.7	7.7	4.7	5.0
PST-2E6	6.3	4.0	3.0	5.7	7.7	3.7	5.0
SUNDOWN (BY-PS2)	6.0	3.7	3.3	6.0	7.3	3.3	5.0
MRSI-PR22	7.0	3.7	3.3	5.3	6.7	4.0	4.8
PPG-PR 664	7.0	5.0	2.5	5.5	6.5	4.5	4.8
GRAND SLAM G-LS (PPG-PR 637)	7.0	3.3	2.3	5.7	7.3	3.7	4.8
STELLAR 4GL	7.3	3.7	3.7	5.7	6.7	3.3	4.8
BAR LP 22256	7.7	3.3	3.0	5.3	6.7	3.7	4.7
SILETZ	7.0	3.3	3.0	5.0	7.3	3.3	4.7
PST-2HFM	6.5	2.5	3.0	5.5	7.5	2.5	4.6
DLF-PR-3730	7.7	2.7	3.0	5.0	7.3	2.3	4.4
PST-2SPF	7.0	3.7	2.3	4.7	6.7	4.0	4.4
RPP3	6.7	4.0	2.3	4.7	7.3	3.3	4.4
LINN	8.0	5.5	2.0	4.0	5.5	5.0	4.1
DLF-PR-3729	6.0	3.0	2.0	4.0	6.7	3.3	4.0
LSD VALUE	3.9	8.2	5.1	4.4	3.8	5.1	2.3
C.V. (%)	12.1	33.5	30.2	17.3	10.5	28.3	12.9

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

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

TABLE 12B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL TRANSITION PERIOD 10/26/23-12/18/2023									
	% COVER BERMUDA 10/26	% COVER OVERSEEDING 10/26	% COVER BERMUDA 11/7	% COVER OVERSEEDING 11/7	% COVER BERMUDA 11/21	% COVER OVERSEEDING 11/21	% COVER BERMUDA 12/4	% COVER OVERSEEDING 12/4	% COVER BERMUDA 12/16	% COVER OVERSEEDING 12/18
GO-RUS20	92.0	8.0	71.7	28.3	40.0	60.0	28.3	71.7	15.0	85.0
PPG-PR 662	94.0	6.0	75.0	25.0	36.7	63.3	25.0	75.0	16.7	83.3
PST-2BGL	95.0	5.0	80.0	20.0	43.3	56.7	28.3	71.7	13.3	86.7
RPP3	95.7	4.3	78.3	21.7	40.0	60.0	28.3	71.7	18.3	81.7
BAR LP 22191	96.3	3.7	76.7	23.3	33.3	66.7	31.7	68.3	16.7	83.3
ASPIRATION (DLF-PR-3736)	95.7	4.3	76.7	23.3	50.0	50.0	35.0	65.0	20.0	80.0
DLF-PR-3737	95.0	5.0	75.0	25.0	41.7	58.3	25.0	75.0	13.3	86.7
GO-RUS21	92.7	7.3	73.3	26.7	35.0	65.0	31.7	68.3	18.3	81.7
GO-RUS22	93.0	7.0	78.3	21.7	36.7	63.3	26.7	73.3	15.0	85.0
SLIDER SG (PPG-PR 602)	93.7	6.3	76.7	23.3	38.3	61.7	26.7	73.3	15.0	85.0
20PR10	91.7	8.3	75.0	25.0	31.7	68.3	26.7	73.3	13.3	86.7
FASTBALL 4GL (PPG-PR 658)	94.3	5.7	78.3	21.7	38.3	61.7	26.7	73.3	13.3	86.7
BRIGHTSTAR SLT	94.0	6.0	78.3	21.7	43.3	56.7	31.7	68.3	18.3	81.7
GRAY EAGLE SLT (PST-2MEG)	95.0	5.0	76.7	23.3	46.7	53.3	25.0	75.0	11.7	88.3
HOMERUN LS	92.7	7.3	75.0	25.0	43.3	56.7	30.0	70.0	21.7	78.3
LTP-NR	94.3	5.7	78.3	21.7	36.7	63.3	23.3	76.7	16.7	83.3
PISTON	94.0	6.0	75.0	25.0	46.7	53.3	36.7	63.3	18.3	81.7
PPG-PR 643	94.0	6.0	78.3	21.7	40.0	60.0	28.3	71.7	20.0	80.0
EXCEED (PPG-PR 668)	95.0	5.0	76.7	23.3	46.7	53.3	28.3	71.7	15.0	85.0
PPG-PR 670	95.0	5.0	76.7	23.3	46.7	53.3	36.7	63.3	25.0	75.0
SGP4	96.3	3.7	78.3	21.7	40.0	60.0	31.7	68.3	16.7	83.3
GRAND SLAM G-LS (PPG-PR 637)	95.0	5.0	73.3	26.7	40.0	60.0	25.0	75.0	16.7	83.3
VORTEX SRT (PPG-PR 665)	95.7	4.3	80.0	20.0	43.3	56.7	20.0	80.0	13.3	86.7
APS	93.3	6.7	73.3	26.7	38.3	61.7	26.7	73.3	21.7	78.3
BAR LP 22174	95.0	5.0	76.7	23.3	36.7	63.3	31.7	68.3	15.0	85.0
DLF-PR-3726	95.0	5.0	80.0	20.0	43.3	56.7	35.0	65.0	20.0	80.0
DLF-PR-3728	96.3	3.7	85.0	15.0	40.0	60.0	33.3	66.7	16.7	83.3
DLF-PR-3730	94.3	5.7	81.7	18.3	43.3	56.7	30.0	70.0	20.0	80.0
PPG-PR671	94.0	6.0	81.7	18.3	46.7	53.3	28.3	71.7	20.0	80.0
LIGHTSPEED (PST-2DRG)	93.3	6.7	80.0	20.0	43.3	56.7	26.7	73.3	18.3	81.7
LTP-RPP4	92.0	8.0	80.0	20.0	41.7	58.3	35.0	65.0	21.7	78.3
MRSL-PR22	95.0	5.0	75.0	25.0	46.7	53.3	26.7	73.3	15.0	85.0
PPG-PR 620	92.7	7.3	80.0	20.0	43.3	56.7	31.7	68.3	20.0	80.0
APPLE 4SGL (PPG-PR 663)	93.3	6.7	80.0	20.0	48.3	51.7	36.7	63.3	18.3	81.7
PPG-PR 664	95.0	5.0	78.3	21.7	43.3	56.7	26.7	73.3	18.3	81.7
PST-2E6	95.0	5.0	80.0	20.0	40.0	60.0	26.7	73.3	18.3	81.7
BAR LP 22262	93.7	6.3	75.0	25.0	46.7	53.3	36.7	63.3	21.7	78.3
BSG-PR22	95.7	4.3	80.0	20.0	46.7	53.3	30.0	70.0	21.7	78.3
DLF-PR-3727	93.7	6.3	80.0	20.0	36.7	63.3	30.0	70.0	23.3	76.7
DLF-PR-3729	93.3	6.7	75.0	25.0	38.3	61.7	33.3	66.7	25.0	75.0
DLF-PR-3735	96.3	3.7	83.3	16.7	41.7	58.3	33.3	66.7	21.7	78.3
WICKED COOL (DLF-PR-3738)	93.3	6.7	83.3	16.7	41.7	58.3	35.0	65.0	20.0	80.0
GREENBACK	93.7	6.3	73.3	26.7	38.3	61.7	30.0	70.0	15.0	85.0
IGNITION (PPG-PR 647)	91.7	8.3	80.0	20.0	45.0	55.0	35.0	65.0	20.0	80.0
PPG-PR 606	94.3	5.7	75.0	25.0	50.0	50.0	30.0	70.0	21.7	78.3

TABLE 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL TRANSITION PERIOD 10/26/23-12/18/2023		FALL TRANSITION PERIOD 10/26/23-12/18/2023		FALL TRANSITION PERIOD 10/26/23-12/18/2023		FALL TRANSITION PERIOD 10/26/23-12/18/2023		FALL TRANSITION PERIOD 10/26/23-12/18/2023	
	% COVER BERMUDA 10/26	% COVER OVERSEEDING 10/26	% COVER BERMUDA 11/7	% COVER OVERSEEDING 11/7	% COVER BERMUDA 11/21	% COVER OVERSEEDING 11/21	% COVER BERMUDA 12/4	% COVER OVERSEEDING 12/4	% COVER BERMUDA 12/16	% COVER OVERSEEDING 12/18
PPG-PR 610	92.0	8.0	76.7	23.3	41.7	58.3	28.3	71.7	21.7	78.3
PPG-PR 642	95.0	5.0	75.0	25.0	41.7	58.3	35.0	65.0	13.3	86.7
PPG-PR 661	96.3	3.7	75.0	25.0	35.0	65.0	26.7	73.3	20.0	80.0
PPG-PR 666	94.0	6.0	80.0	20.0	43.3	56.7	35.0	65.0	23.3	76.7
PST-2ADS	94.0	6.0	70.0	30.0	46.7	53.3	28.3	71.7	16.7	83.3
STINGER (PST-2EGY)	94.3	5.7	76.7	23.3	40.0	60.0	25.0	75.0	13.3	86.7
PVF-SGS5	94.3	5.7	80.0	20.0	45.0	55.0	43.3	56.7	20.0	80.0
RC20-020	93.3	6.7	71.7	28.3	30.0	70.0	28.3	71.7	16.7	83.3
SILETZ	94.0	6.0	78.3	21.7	43.3	56.7	35.0	65.0	25.0	75.0
STELLAR 4GL	95.7	4.3	71.7	28.3	40.0	60.0	38.3	61.7	21.7	78.3
ULTRA SPORT (PST-2HAF20)	95.7	4.3	75.0	25.0	40.0	60.0	30.0	70.0	23.3	76.7
BAR LP 22256	95.0	5.0	80.0	20.0	35.0	65.0	30.0	70.0	23.3	76.7
BAR LP 22263	93.3	6.7	78.3	21.7	53.3	46.7	33.3	66.7	18.3	81.7
CJP1R	93.3	6.7	76.7	23.3	43.3	56.7	33.3	66.7	21.7	78.3
KARMA	94.0	6.0	83.3	16.7	43.3	56.7	36.7	63.3	25.0	75.0
PERFORMANCE (NAI-PR5)	94.3	5.7	71.7	28.3	45.0	55.0	30.0	70.0	15.0	85.0
PPG-PR 646	92.3	7.7	78.3	21.7	43.3	56.7	36.7	63.3	18.3	81.7
PROMINENT II (TSC-CRS)	95.0	5.0	81.7	18.3	48.3	51.7	31.7	68.3	16.7	83.3
PST-2HFM	95.7	4.3	78.3	21.7	36.7	63.3	28.3	71.7	21.7	78.3
PST-2MES1	95.0	5.0	76.7	23.3	40.0	60.0	33.3	66.7	21.7	78.3
QUASAR	95.0	5.0	78.3	21.7	43.3	56.7	30.0	70.0	30.0	70.0
SUNDOWN (BY-PS2)	95.0	5.0	78.3	21.7	46.7	53.3	35.0	65.0	23.3	76.7
ALPHA CENTAURI	93.3	6.7	76.7	23.3	41.7	58.3	31.7	68.3	26.7	73.3
DARK MATTER	94.0	6.0	83.3	16.7	48.3	51.7	26.7	73.3	21.7	78.3
DLF-LGT-3066	95.0	5.0	83.3	16.7	56.7	43.3	36.7	63.3	26.7	73.3
FLIGHTLINE (PST-214)	91.7	8.3	81.7	18.3	40.0	60.0	28.3	71.7	21.7	78.3
HIGH OCTANE	95.7	4.3	80.0	20.0	40.0	60.0	31.7	68.3	28.3	71.7
HOMERUN G-LS (PPG-PR 644)	94.3	5.7	81.7	18.3	40.0	60.0	41.7	58.3	23.3	76.7
NEXUS DK (SE-DK)	93.3	6.7	80.0	20.0	50.0	50.0	35.0	65.0	23.3	76.7
PPG-PR 639	95.0	5.0	76.7	23.3	40.0	60.0	30.0	70.0	21.7	78.3
PPG-PR 667	96.3	3.7	78.3	21.7	36.7	63.3	26.7	73.3	20.0	80.0
PS4	94.3	5.7	76.7	23.3	53.3	46.7	31.7	68.3	23.3	76.7
PST-2GDS	95.0	5.0	85.0	15.0	45.0	55.0	36.7	63.3	28.3	71.7
PST-2SPF	95.0	5.0	78.3	21.7	41.7	58.3	36.7	63.3	23.3	76.7
RELIC (PPG-PR 611)	93.3	6.7	83.3	16.7	41.7	58.3	26.7	73.3	18.3	81.7
SEPR-2013	95.0	5.0	85.0	15.0	46.7	53.3	41.7	58.3	25.0	75.0
PVF-RPP2	95.7	4.3	78.3	21.7	46.7	53.3	31.7	68.3	20.0	80.0
LINN	93.7	6.3	76.7	23.3	45.0	55.0	43.3	56.7	38.3	61.7
LSD VALUE	8.1	8.1	15.3	15.3	35.6	35.6	28.7	28.7	13.1	13.1
C.V. (%)	2.1	35.5	6.5	22.9	19.9	14.6	24.6	11.2	29.4	7.3

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

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

TABLE 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	% COVER		WINTER TRANSITION PERIOD 12/28/23-2/8/24		% COVER		% COVER		SPRING/SUMMER TRANSITION PERIOD		% COVER	
	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING
GO-RUS20	11.7	88.3	6.7	93.3	4.3	95.7	5.3	94.7	51.7	48.3	99.0	0.0
PPG-PR 662	11.7	88.3	8.3	91.7	7.7	92.3	5.0	95.0	25.0	75.0	80.0	20.0
PST-2BGL	13.3	86.7	11.7	88.3	6.7	93.3	6.7	93.3	31.7	68.3	92.7	6.7
RPP3	15.0	85.0	13.3	86.7	6.7	93.3	6.7	93.3	41.7	58.3	92.7	6.7
BAR LP 22191	13.3	86.7	13.3	86.7	3.7	96.3	6.7	93.3	41.7	58.3	92.7	6.7
ASPIRATION (DLF-PR-3736)	15.0	85.0	15.0	85.0	6.0	94.0	7.7	92.3	41.7	58.3	99.0	0.0
DLF-PR-3737	16.7	83.3	16.7	83.3	6.0	94.0	8.3	91.7	26.7	73.3	99.0	0.0
GO-RUS21	13.3	86.7	8.3	91.7	6.0	94.0	5.3	94.7	41.7	58.3	99.0	0.0
GO-RUS22	13.3	86.7	13.3	86.7	6.0	94.0	7.7	92.3	58.3	41.7	99.0	0.0
SLIDER SG (PPG-PR 602)	15.0	85.0	15.0	85.0	6.7	93.3	5.0	95.0	41.7	58.3	92.7	6.7
20PR10	11.7	88.3	15.0	85.0	5.3	94.7	13.3	86.7	46.7	53.3	92.7	6.7
FASTBALL 4GL (PPG-PR 658)	10.0	90.0	15.0	85.0	3.0	97.0	8.3	91.7	73.3	26.7	99.0	0.0
BRIGHTSTAR SLT	13.3	86.7	13.3	86.7	6.0	94.0	11.7	88.3	45.0	55.0	99.0	0.0
GRAY EAGLE SLT (PST-2MEG)	15.0	85.0	15.0	85.0	6.0	94.0	7.7	92.3	40.0	60.0	99.0	0.0
HOMERUN LS	13.3	86.7	15.0	85.0	8.3	91.7	6.0	94.0	40.0	60.0	99.0	0.0
LTP-NR	15.0	85.0	13.3	86.7	6.7	93.3	6.7	93.3	56.7	43.3	99.0	0.0
PISTON	13.3	86.7	13.3	86.7	8.3	91.7	11.7	88.3	46.7	53.3	99.0	0.0
PPG-PR 643	18.3	81.7	15.0	85.0	8.3	91.7	7.7	92.3	38.3	61.7	99.0	0.0
EXCEED (PPG-PR 668)	16.7	83.3	13.3	86.7	3.7	96.3	6.7	93.3	46.7	53.3	99.0	0.0
PPG-PR 670	18.3	81.7	16.7	83.3	6.7	93.3	10.0	90.0	31.7	68.3	99.0	0.0
SGP4	13.3	86.7	11.7	88.3	3.7	96.3	6.0	94.0	48.3	51.7	99.0	0.0
GRAND SLAM G-LS (PPG-PR 637)	15.0	85.0	10.0	90.0	6.0	94.0	10.0	90.0	55.0	45.0	92.7	6.7
VORTEX SRT (PPG-PR 665)	16.7	83.3	13.3	86.7	3.7	96.3	9.3	90.7	46.7	53.3	92.7	6.7
APS	11.7	88.3	16.7	83.3	6.0	94.0	8.3	91.7	68.3	31.7	92.7	6.7
BAR LP 22174	11.7	88.3	13.3	86.7	6.0	94.0	11.7	88.3	46.7	53.3	92.7	6.7
DLF-PR-3726	18.3	81.7	16.7	83.3	4.3	95.7	10.0	90.0	63.3	36.7	99.0	0.0
DLF-PR-3728	16.7	83.3	16.7	83.3	5.0	95.0	11.7	88.3	73.3	26.7	92.7	6.7
DLF-PR-3730	16.7	83.3	16.7	83.3	6.0	94.0	10.0	90.0	35.0	65.0	99.0	0.0
PPG-PR671	18.3	81.7	13.3	86.7	6.7	93.3	6.7	93.3	48.3	51.7	99.0	0.0
LIGHTSPEED (PST-2DRG)	15.0	85.0	18.3	81.7	6.7	93.3	6.7	93.3	66.7	33.3	99.0	0.0
LTP-RPP4	15.0	85.0	18.3	81.7	8.3	91.7	6.7	93.3	48.3	51.7	92.7	6.7
MRSL-PR22	16.7	83.3	16.7	83.3	8.3	91.7	8.3	91.7	45.0	55.0	99.0	0.0
PPG-PR 620	15.0	85.0	16.7	83.3	6.0	94.0	8.3	91.7	58.3	41.7	99.0	0.0
APPLE 4SGL (PPG-PR 663)	18.3	81.7	11.7	88.3	8.7	91.3	8.3	91.7	38.3	61.7	92.7	6.7
PPG-PR 664	20.0	80.0	20.0	80.0	6.7	93.3	10.0	90.0	41.7	58.3	99.0	0.0
PST-2E6	18.3	81.7	13.3	86.7	7.7	92.3	11.0	89.0	45.0	55.0	99.0	0.0
BAR LP 22262	18.3	81.7	15.0	85.0	13.3	86.7	6.7	93.3	28.3	71.7	92.7	6.7
BSG-PR22	20.0	80.0	21.7	78.3	15.0	85.0	16.7	83.3	40.0	60.0	99.0	0.0
DLF-PR-3727	18.3	81.7	21.7	78.3	5.0	95.0	10.0	90.0	56.7	43.3	99.0	0.0
DLF-PR-3729	18.3	81.7	18.3	81.7	9.3	90.7	10.0	90.0	48.3	51.7	92.7	6.7
DLF-PR-3735	16.7	83.3	16.7	83.3	8.3	91.7	8.3	91.7	48.3	51.7	99.0	0.0
WICKED COOL (DLF-PR-3738)	16.7	83.3	21.7	78.3	11.0	89.0	15.0	85.0	40.0	60.0	99.0	0.0
GREENBACK	18.3	81.7	16.7	83.3	6.7	93.3	11.0	89.0	66.7	33.3	99.0	0.0
IGNITION (PPG-PR 647)	13.3	86.7	16.7	83.3	10.0	90.0	13.3	86.7	68.3	31.7	99.0	0.0
PPG-PR 606	16.7	83.3	16.7	83.3	8.3	91.7	10.0	90.0	53.3	46.7	92.7	6.7

TABLE 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	% COVER		WINTER TRANSITION PERIOD 12/28/23-2/8/24		% COVER		SPRING/SUMMER TRANSITION PERIOD		% COVER		% COVER	
	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING	DORMANT	OVERSEEDING
PPG-PR 610	20.0	80.0	16.7	83.3	6.7	93.3	10.0	90.0	46.7	53.3	92.7	6.7
PPG-PR 642	16.7	83.3	15.0	85.0	6.7	93.3	11.7	88.3	58.3	41.7	92.7	6.7
PPG-PR 661	16.7	83.3	15.0	85.0	8.3	91.7	11.7	88.3	50.0	50.0	99.0	0.0
PPG-PR 666	16.7	83.3	16.7	83.3	9.3	90.7	11.7	88.3	66.7	33.3	99.0	0.0
PST-2ADS	16.7	83.3	18.3	81.7	6.7	93.3	15.0	85.0	58.3	41.7	99.0	0.0
STINGER (PST-2EGY)	15.0	85.0	13.3	86.7	6.7	93.3	6.7	93.3	50.0	50.0	99.0	0.0
PVF-SGS5	16.7	83.3	18.3	81.7	15.0	85.0	11.7	88.3	51.7	48.3	92.7	6.7
RC20-020	16.7	83.3	18.3	81.7	7.7	92.3	10.0	90.0	58.3	41.7	99.0	0.0
SILETZ	18.3	81.7	18.3	81.7	13.3	86.7	18.3	81.7	56.7	43.3	99.0	0.0
STELLAR 4GL	18.3	81.7	18.3	81.7	11.7	88.3	7.7	92.3	46.7	53.3	99.0	0.0
ULTRA SPORT (PST-2HAF20)	21.7	78.3	15.0	85.0	9.3	90.7	11.7	88.3	33.3	66.7	99.0	0.0
BAR LP 22256	15.0	85.0	23.3	76.7	13.3	86.7	16.7	83.3	75.0	25.0	99.0	0.0
BAR LP 22263	18.3	81.7	18.3	81.7	13.3	86.7	11.7	88.3	38.3	61.7	99.0	0.0
CJP1R	16.7	83.3	16.7	83.3	10.0	90.0	11.7	88.3	65.0	35.0	99.0	0.0
KARMA	20.0	80.0	20.0	80.0	10.0	90.0	11.7	88.3	53.3	46.7	99.0	0.0
PERFORMANCE (NAI-PR5)	15.0	85.0	16.7	83.3	8.3	91.7	11.7	88.3	58.3	41.7	99.0	0.0
PPG-PR 646	20.0	80.0	11.7	88.3	8.3	91.7	10.0	90.0	58.3	41.7	92.7	6.7
PROMINENT II (TSC-CRS)	18.3	81.7	21.7	78.3	13.3	86.7	13.3	86.7	45.0	55.0	99.0	0.0
PST-2HFM	21.7	78.3	18.3	81.7	10.0	90.0	15.0	85.0	46.7	53.3	99.0	0.0
PST-2MES1	20.0	80.0	15.0	85.0	8.3	91.7	10.0	90.0	48.3	51.7	99.0	0.0
QUASAR	20.0	80.0	20.0	80.0	8.3	91.7	8.3	91.7	50.0	50.0	99.0	0.0
SUNDOWN (BY-PS2)	18.3	81.7	20.0	80.0	15.0	85.0	13.3	86.7	58.3	41.7	99.0	0.0
ALPHA CENTAURI	20.0	80.0	20.0	80.0	13.3	86.7	15.0	85.0	60.0	40.0	99.0	0.0
DARK MATTER	18.3	81.7	20.0	80.0	13.3	86.7	20.0	80.0	65.0	35.0	99.0	0.0
DLF-LGT-3066	23.3	76.7	25.0	75.0	16.7	83.3	15.0	85.0	51.7	48.3	92.7	6.7
FLIGHTLINE (PST-214)	18.3	81.7	18.3	81.7	13.3	86.7	16.7	83.3	58.3	41.7	99.0	0.0
HIGH OCTANE	20.0	80.0	21.7	78.3	13.3	86.7	16.7	83.3	70.0	30.0	99.0	0.0
HOMERUN G-LS (PPG-PR 644)	20.0	80.0	20.0	80.0	13.3	86.7	18.3	81.7	66.7	33.3	99.0	0.0
NEXUS DK (SE-DK)	20.0	80.0	21.7	78.3	13.3	86.7	18.3	81.7	61.7	38.3	99.0	0.0
PPG-PR 639	15.0	85.0	16.7	83.3	13.3	86.7	15.0	85.0	75.0	25.0	99.0	0.0
PPG-PR 667	20.0	80.0	18.3	81.7	10.0	90.0	13.3	86.7	63.3	36.7	92.7	6.7
PS4	18.3	81.7	18.3	81.7	10.0	90.0	15.0	85.0	63.3	36.7	99.0	0.0
PST-2GDS	21.7	78.3	20.0	80.0	13.3	86.7	20.0	80.0	63.3	36.7	92.7	6.7
PST-2SPF	21.7	78.3	21.7	78.3	16.7	83.3	18.3	81.7	53.3	46.7	99.0	0.0
RELIC (PPG-PR 611)	18.3	81.7	21.7	78.3	10.0	90.0	13.3	86.7	60.0	40.0	99.0	0.0
SEPR-2013	18.3	81.7	21.7	78.3	16.7	83.3	21.7	78.3	55.0	45.0	99.0	0.0
PVF-RPP2	21.7	78.3	20.0	80.0	11.7	88.3	16.7	83.3	76.7	23.3	92.7	6.7
LINN	31.7	68.3	26.7	73.3	23.3	76.7	41.7	58.3	73.3	26.7	86.3	13.3
LSD VALUE	10.9	10.9	9.7	9.7	9.0	9.0	11.7	11.7	101.5	101.5	20.5	21.6
C.V. (%)	26.2	5.4	27.6	5.6	50.0	5.0	52.6	6.8	42.3	46.2	6.0	272.6

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 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER COLOR	SPRING DENSITY	QUALITY 12/28	RATINGS 1/8	WINTER 2/8	QUALITY 3/6	SPRING 4/8	MEAN
GO-RUS20	6.7	6.7	6.0	6.7	8.0	7.7	3.7	6.4
PPG-PR 662	6.7	7.0	6.0	6.3	7.3	7.3	4.3	6.3
PST-2BGL	7.3	6.7	6.0	6.0	7.7	7.7	4.0	6.3
RPP3	7.0	6.7	6.0	6.0	7.7	7.7	4.0	6.3
BAR LP 22191	7.0	6.7	6.0	6.0	8.0	7.3	3.7	6.2
ASPIRATION (DLF-PR-3736)	7.0	6.7	5.7	6.0	7.7	7.7	4.0	6.2
DLF-PR-3737	7.0	6.3	5.7	6.0	7.7	7.3	4.3	6.2
GO-RUS21	7.0	6.7	5.7	6.3	7.7	7.3	4.0	6.2
GO-RUS22	7.0	6.7	6.0	6.3	7.7	7.7	3.3	6.2
SLIDER SG (PPG-PR 602)	7.0	7.0	5.7	6.0	7.7	8.0	3.7	6.2
20PR10	6.7	6.0	6.0	6.0	7.7	7.0	3.7	6.1
FASTBALL 4GL (PPG-PR 658)	7.0	6.3	6.0	6.0	8.0	7.3	3.0	6.1
BRIGHTSTAR SLT	7.0	6.7	6.0	6.0	7.7	7.3	3.7	6.1
GRAY EAGLE SLT (PST-2MEG)	7.3	6.3	5.7	6.0	7.7	7.3	4.0	6.1
HOMERUN LS	7.0	6.7	5.7	6.0	7.3	7.7	3.7	6.1
LTP-NR	7.0	6.7	6.0	6.0	7.7	7.3	3.3	6.1
PISTON	7.0	6.3	5.7	6.0	7.3	7.3	4.0	6.1
PPG-PR 643	7.0	6.3	5.3	6.0	7.7	7.3	4.0	6.1
EXCEED (PPG-PR 668)	6.7	6.7	5.3	6.3	8.0	7.3	3.7	6.1
PPG-PR 670	7.0	6.3	5.3	6.0	7.7	7.3	4.3	6.1
SGP4	7.0	6.7	6.0	6.0	8.0	7.3	3.3	6.1
GRAND SLAM G-LS (PPG-PR 637)	7.0	6.3	5.7	6.3	7.7	7.3	3.3	6.1
VORTEX SRT (PPG-PR 665)	6.3	6.3	5.3	6.0	8.0	7.3	3.7	6.1
APS	7.0	6.3	6.0	6.0	7.7	7.3	3.0	6.0
BAR LP 22174	6.7	6.3	5.7	6.0	7.7	7.0	3.7	6.0
DLF-PR-3726	6.7	6.3	5.3	6.0	8.0	7.3	3.3	6.0
DLF-PR-3728	7.0	6.3	5.7	6.0	8.0	7.3	3.0	6.0
DLF-PR-3730	7.0	6.3	5.3	6.0	7.7	7.3	3.7	6.0
PPG-PR671	7.0	6.7	5.3	6.0	7.7	7.3	3.7	6.0
LIGHTSPEED (PST-2DRG)	7.3	6.7	5.7	6.0	7.7	7.7	3.0	6.0
LTP-RPP4	6.7	6.7	5.7	6.0	7.3	7.7	3.3	6.0
MRSI-PR22	7.7	6.3	5.7	6.0	7.3	7.3	3.7	6.0
PPG-PR 620	7.0	6.3	5.7	6.0	7.7	7.3	3.3	6.0
APPLE 4SGL (PPG-PR 663)	7.0	6.3	5.3	6.3	7.3	7.3	3.7	6.0
PPG-PR 664	7.0	6.3	5.3	6.0	7.7	7.3	3.7	6.0
PST-2E6	7.0	6.3	5.3	6.0	7.7	7.3	3.7	6.0
BAR LP 22262	6.3	6.7	5.3	6.0	7.0	7.3	4.0	5.9
BSG-PR22	7.7	6.3	5.3	6.0	7.0	7.3	3.7	5.9
DLF-PR-3727	6.7	6.0	5.3	6.0	8.0	7.0	3.3	5.9
DLF-PR-3729	7.0	6.3	5.3	6.0	7.3	7.3	3.3	5.9
DLF-PR-3735	7.0	6.3	5.7	6.0	7.3	7.3	3.3	5.9
WICKED COOL (DLF-PR-3738)	7.0	6.0	5.3	6.0	7.3	7.0	3.7	5.9
GREENBACK	7.3	6.3	5.3	6.0	7.7	7.3	3.0	5.9
IGNITION (PPG-PR 647)	6.3	6.0	6.0	6.0	7.3	7.0	3.0	5.9
PPG-PR 606	7.7	6.3	5.3	6.0	7.3	7.3	3.3	5.9

TABLE 12B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF OVERSEEDING GRASSES
ON-SITE OVERSEEDING OF BERMUDAGRASS AT GAINESVILLE, FL (UNIVERSITY OF FLORIDA GOLF COURSE) 1/
2023-24 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	WINTER COLOR	SPRING DENSITY	QUALITY 12/28	RATINGS 1/8	WINTER 2/8	QUALITY 3/6	SPRING 4/8	MEAN
PPG-PR 610	7.3	6.3	5.0	6.0	7.7	7.3	3.7	5.9
PPG-PR 642	6.3	6.0	5.3	6.0	7.7	7.0	3.3	5.9
PPG-PR 661	6.7	6.0	5.3	6.0	7.7	7.0	3.7	5.9
PPG-PR 666	7.0	6.3	5.7	6.0	7.3	7.3	3.3	5.9
PST-2ADS	6.7	6.0	5.7	6.0	7.7	7.0	3.3	5.9
STINGER (PST-2EGY)	7.0	6.7	5.7	6.0	7.7	7.0	3.3	5.9
PVF-SGS5	7.0	6.3	5.7	6.0	7.3	7.0	3.7	5.9
RC20-020	7.0	6.7	5.7	6.0	7.3	7.3	3.3	5.9
SILETZ	7.0	6.3	5.3	6.0	7.7	7.3	3.0	5.9
STELLAR 4GL	6.7	6.3	5.3	6.0	7.0	7.3	3.7	5.9
ULTRA SPORT (PST-2HAF20)	7.0	6.0	5.0	6.0	7.3	7.0	4.0	5.9
BAR LP 22256	7.0	6.0	5.7	6.0	7.3	7.0	3.0	5.8
BAR LP 22263	7.0	6.3	5.3	6.0	7.0	7.0	3.7	5.8
CJP1R	7.0	6.3	5.7	6.0	7.3	7.0	3.0	5.8
KARMA	6.7	6.0	5.3	6.0	7.3	7.0	3.3	5.8
PERFORMANCE (NAI-PR5)	6.7	6.0	5.7	6.0	7.3	7.0	3.0	5.8
PPG-PR 646	7.0	6.0	5.3	6.0	7.3	7.0	3.3	5.8
PROMINENT II (TSC-CRS)	8.0	6.3	5.3	6.0	7.0	7.3	3.3	5.8
PST-2HFM	7.3	6.0	5.0	6.0	7.3	7.0	3.7	5.8
PST-2MES1	6.7	6.3	5.3	6.0	7.3	7.0	3.3	5.8
QUASAR	7.0	6.3	5.0	6.0	7.3	7.3	3.3	5.8
SUNDOWN (BY-PS2)	7.0	6.0	5.3	6.0	7.3	7.0	3.3	5.8
ALPHA CENTAURI	7.0	6.0	5.3	6.0	7.0	7.0	3.0	5.7
DARK MATTER	7.7	6.0	5.3	6.0	7.0	7.0	3.3	5.7
DLF-LGT-3066	6.3	6.0	5.0	6.0	7.0	7.0	3.7	5.7
FLIGHTLINE (PST-214)	7.7	6.0	5.3	6.0	7.0	7.0	3.3	5.7
HIGH OCTANE	6.7	6.0	5.3	6.0	7.0	7.0	3.0	5.7
HOMERUN G-LS (PPG-PR 644)	7.3	6.0	5.0	6.0	7.3	7.0	3.0	5.7
NEXUS DK (SE-DK)	7.7	6.0	5.3	6.0	7.0	7.0	3.0	5.7
PPG-PR 639	7.3	6.0	5.7	6.0	7.0	7.0	3.0	5.7
PPG-PR 667	7.0	6.0	5.0	6.0	7.3	7.0	3.3	5.7
PS4	7.0	6.0	5.3	6.0	7.0	7.0	3.0	5.7
PST-2GDS	7.0	6.0	5.3	6.0	7.0	7.0	3.3	5.7
PST-2SPF	7.0	6.0	5.0	6.0	7.0	7.0	3.3	5.7
RELIC (PPG-PR 611)	7.0	6.0	5.3	6.0	7.0	7.0	3.0	5.7
SEPR-2013	7.7	6.0	5.7	6.0	7.0	7.0	3.0	5.7
PVF-RPP2	7.3	6.0	5.0	6.0	7.0	7.0	3.0	5.6
LINN	4.7	6.0	3.0	3.7	4.7	4.3	2.0	3.5
LSD VALUE	0.8	1.5	0.9	0.3	0.9	0.7	1.6	0.4
C.V. (%)	6.1	7.0	8.6	3.0	6.4	5.8	16.7	3.8

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

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

TABLE 13. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS FOR THE CONTRAL 6/28-9/8								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	9.0	7.0	6.3	5.3	4.7	4.3	5.3	6.0	5.3
DLF-PR-3727	8.7	7.0	7.3	5.3	4.7	4.7	6.0	5.7	6.0
PPG-PR 606	8.7	6.7	7.0	5.3	5.0	4.7	5.7	6.3	5.7
PST-2MES1	9.0	7.0	7.3	5.7	5.0	4.3	5.7	5.7	6.0
FASTBALL 4GL (PPG-PR 658)	9.0	7.0	6.7	5.3	5.3	4.7	6.0	6.3	6.3
APS	9.0	7.0	6.3	5.3	4.7	4.0	5.0	5.3	5.7
DLF-LGT-3066	9.0	6.7	6.7	5.3	4.7	4.7	5.3	5.7	5.7
VORTEX SRT (PPG-PR 665)	8.7	7.0	6.7	5.0	5.0	4.7	5.3	5.7	5.0
DLF-PR-3728	8.7	6.7	6.7	5.3	4.3	4.3	5.3	5.0	5.3
PPG-PR 639	8.7	7.0	6.7	5.0	4.3	4.7	5.3	5.3	5.0
PST-2GDS	8.7	7.0	6.3	5.3	4.7	4.3	5.0	5.0	4.7
PPG-PR 661	8.7	7.0	7.3	6.0	4.7	4.7	5.7	6.0	6.0
PPG-PR 670	9.0	7.0	7.3	5.7	4.7	4.3	5.3	6.0	6.0
BRIGHTSTAR SLT	8.7	6.7	7.3	5.7	4.7	4.0	5.0	5.7	5.3
PPG-PR 642	8.7	7.0	7.0	5.7	4.7	4.3	6.0	5.7	5.7
QUASAR	9.0	6.7	7.0	4.3	4.3	3.7	4.7	4.7	5.0
DLF-PR-3726	9.0	7.0	6.7	6.0	5.3	5.0	6.0	6.0	5.7
PROMINENT II (TSC-CRS)	8.7	7.0	7.0	5.0	4.0	4.0	5.0	4.7	4.7
BAR LP 22256	9.0	7.0	7.0	5.7	5.3	4.7	6.0	6.3	6.3
ULTRA SPORT (PST-2HAF20)	9.0	7.0	7.0	5.7	5.3	5.7	6.3	6.7	6.0
DARK MATTER	9.0	7.0	7.3	6.0	4.7	4.7	5.3	5.3	5.7
HIGH OCTANE	9.0	7.0	7.0	5.7	5.0	4.7	5.7	5.3	5.7
PERFORMANCE (NAI-PR5)	8.7	7.0	7.0	5.7	4.7	4.3	5.3	5.0	5.7
ASPIRATION (DLF-PR-3736)	9.0	6.7	7.0	4.7	4.3	4.3	5.7	5.7	6.0
SGP4	9.0	7.0	7.0	5.7	5.0	4.3	5.0	6.0	6.0
PST-2ADS	8.7	7.0	7.0	5.3	5.0	4.7	5.3	5.7	5.7
PST-2HFM	8.7	7.0	7.3	6.3	5.3	5.0	5.7	6.0	5.7
GO-RUS21	9.0	7.0	6.7	6.0	5.3	5.3	5.0	5.0	5.3
ALPHA CENTAURI	9.0	7.0	7.0	6.0	5.0	4.7	5.7	6.0	6.0
EXCEED (PPG-PR 668)	9.0	7.0	6.7	5.7	5.3	4.7	5.7	6.3	6.0
GRAND SLAM G-LS (PPG-PR 637)	9.0	7.0	6.7	6.3	5.0	4.7	6.0	6.3	6.0
FLIGHTLINE (PST-214)	9.0	7.0	7.3	5.7	5.3	5.0	5.3	4.7	4.0
BAR LP 22263	8.7	7.0	7.0	5.7	5.0	4.7	5.0	5.3	5.3
SILETZ	9.0	7.0	7.0	6.0	5.3	5.0	5.7	5.7	5.3
PPG-PR 620	9.0	7.0	7.0	5.7	5.3	4.7	5.3	5.7	5.7
DLF-PR-3729	8.7	7.0	7.0	5.7	5.0	4.7	6.0	5.7	6.0
GRAY EAGLE SLT (PST-2MEG)	9.0	7.0	6.3	5.3	5.0	4.7	5.7	6.3	6.0
PPG-PR 662	9.0	6.7	7.0	5.7	5.3	4.3	5.0	5.0	5.0
NEXUS DK (SE-DK)	8.7	7.0	6.7	5.3	4.3	4.3	5.3	5.3	5.7
PPG-PR 664	9.0	7.0	7.0	5.7	5.0	4.3	5.3	5.3	5.7
HOMERUN G-LS (PPG-PR 644)	9.0	6.7	7.0	5.7	5.3	4.3	5.0	4.7	5.7
PPG-PR671	8.7	7.0	7.0	5.3	5.3	4.0	5.3	5.7	6.0
RELIC (PPG-PR 611)	8.7	7.0	7.0	5.3	5.0	4.0	5.7	5.7	6.0
PPG-PR 667	9.0	7.0	6.7	5.7	5.0	4.3	5.0	5.0	5.0
PST-2SPF	8.7	7.0	7.3	5.7	5.7	5.7	6.7	6.7	6.3
RPP3	9.0	7.0	6.7	5.7	5.0	5.0	5.3	5.3	5.3
PISTON	9.0	7.0	6.7	5.7	4.7	4.3	5.0	4.3	5.0

TABLE 13. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS FOR THE CONTRAL 6/28-9/8								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	9.0	7.0	7.0	6.0	5.0	4.7	6.0	6.7	6.3
RC20-020	9.0	7.0	6.3	5.7	5.3	5.0	6.0	6.0	5.7
DLF-PR-3730	9.0	7.0	7.0	6.0	5.0	5.0	5.3	6.3	5.3
GO-RUS22	8.7	7.0	7.3	5.3	5.0	5.0	5.7	5.7	5.3
GREENBACK	9.0	6.7	6.7	5.3	5.0	4.7	5.0	5.7	5.3
LTP-NR	9.0	7.0	6.7	6.0	5.0	4.7	5.7	5.7	5.3
PPG-PR 643	8.7	6.7	6.3	5.3	4.7	4.7	5.3	5.3	5.3
PPG-PR 646	8.7	6.7	6.7	5.3	5.3	4.7	5.3	5.7	5.3
APPLE 4SGL (PPG-PR 663)	9.0	6.7	6.7	5.3	5.3	5.0	6.0	5.7	5.3
SLIDER SG (PPG-PR 602)	9.0	7.0	7.3	6.0	5.7	5.7	6.3	6.7	6.3
DLF-PR-3735	9.0	6.7	7.0	5.7	4.7	4.3	5.3	5.7	5.7
IGNITION (PPG-PR 647)	8.7	7.0	6.7	5.0	4.7	4.3	4.7	5.3	5.7
STINGER (PST-2EGY)	9.0	7.0	7.0	5.3	5.0	4.7	5.3	5.7	5.7
HOMERUN LS	9.0	6.7	6.7	5.3	5.0	4.3	5.0	4.7	4.7
WICKED COOL (DLF-PR-3738)	9.0	7.0	7.3	6.0	5.0	5.0	5.7	6.7	6.0
SUNDOWN (BY-PS2)	9.0	7.0	6.3	4.7	4.3	4.0	5.3	5.3	6.0
PS4	9.0	7.0	7.0	5.7	5.0	4.7	5.3	6.3	6.0
PST-2E6	8.7	6.7	6.3	4.7	4.3	4.0	4.3	4.3	5.0
PPG-PR 666	9.0	7.0	7.0	6.0	5.0	5.0	5.7	6.0	6.3
20PR10	8.7	7.0	6.7	5.3	5.0	4.3	5.0	5.3	5.3
MRS-L-PR22	9.0	7.0	6.7	6.7	5.0	4.7	5.7	6.3	5.3
STELLAR 4GL	9.0	7.0	6.7	5.7	5.0	4.3	5.3	5.7	5.3
BSG-PR22	9.0	7.0	7.0	5.7	4.7	4.7	5.7	5.7	5.7
KARMA	9.0	7.0	7.0	5.7	4.7	5.0	6.0	5.3	5.7
LIGHTSPEED (PST-2DRG)	8.7	7.0	6.7	5.3	5.0	5.0	5.3	5.7	5.7
PST-2BGL	8.7	7.0	7.0	5.0	4.7	4.3	5.3	5.3	6.0
PPG-PR 610	8.7	7.0	7.3	5.3	5.3	5.0	5.7	6.0	5.7
GO-RUS20	9.0	7.0	7.3	5.7	5.0	5.0	5.3	5.7	6.0
LINN	8.3	6.7	6.3	5.0	4.3	4.3	5.0	4.3	4.7
BAR LP 22191	8.7	7.0	6.7	5.0	4.7	4.3	4.3	4.7	5.0
SEPR-2013	9.0	7.0	7.3	5.7	5.3	5.0	5.0	5.0	5.0
CJP1R	8.7	7.0	7.0	5.7	5.0	4.7	5.0	5.0	5.3
LTP-RPP4	9.0	6.7	6.7	5.3	4.7	4.3	5.0	4.7	5.3
PVF-RPP2	8.7	7.0	6.3	5.3	5.0	4.3	5.0	5.3	5.3
BAR LP 22174	8.7	6.7	7.0	6.3	5.0	4.7	5.3	6.0	6.0
DLF-PR-3737	9.0	7.0	7.0	6.0	5.3	5.3	5.7	5.7	6.3
LSD VALUE	1.5	1.0	3.3	1.3	1.8	1.7	1.9	1.7	2.6
C.V. (%)	3.6	3.5	8.9	9.9	10.7	12.6	11.9	13.4	13.4

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

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

TABLE 13.
(CONT')

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA

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

QUALITY RATINGS FOR THE SALT TREATMENTS 6/28-9/8

NAME	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	9.0	6.8	7.0	4.8	4.8	4.5	4.3	3.8	3.5
DLF-PR-3727	9.0	6.8	6.8	5.3	4.5	4.3	4.3	3.8	3.3
PPG-PR 606	9.0	7.0	6.5	5.0	4.3	4.3	3.5	3.3	3.5
PST-2MES1	9.0	7.0	6.3	4.8	4.3	4.8	4.3	3.5	3.3
FASTBALL 4GL (PPG-PR 658)	9.0	7.0	6.5	5.5	4.3	4.3	3.8	3.3	3.3
APS	9.0	6.8	6.5	4.8	3.8	3.5	3.0	2.8	2.3
DLF-LGT-3066	9.0	6.8	5.8	4.8	3.5	3.8	3.5	2.5	2.8
VORTEX SRT (PPG-PR 665)	9.0	6.8	6.8	5.8	4.5	4.3	3.5	3.0	3.0
DLF-PR-3728	9.0	7.0	6.5	5.0	4.3	4.3	3.3	2.8	3.0
PPG-PR 639	9.0	7.0	7.3	5.8	4.8	4.5	4.0	3.3	2.5
PST-2GDS	9.0	6.8	6.0	4.5	3.5	3.0	3.0	2.0	1.8
PPG-PR 661	9.0	7.0	7.0	5.5	4.3	4.0	4.0	3.3	3.0
PPG-PR 670	9.0	7.0	6.3	5.0	4.0	3.5	2.8	2.8	2.8
BRIGHTSTAR SLT	9.0	6.8	7.0	5.0	4.5	4.3	3.3	2.5	2.3
PPG-PR 642	9.0	6.3	6.3	4.5	4.5	4.5	3.8	3.3	3.0
QUASAR	8.8	6.8	6.3	4.8	4.0	3.3	3.3	2.5	2.3
DLF-PR-3726	9.0	6.8	6.3	4.8	4.0	4.0	3.8	3.0	2.5
PROMINENT II (TSC-CRS)	9.0	6.8	6.8	4.8	4.0	4.0	3.5	2.5	2.5
BAR LP 22256	9.0	6.5	6.5	4.5	4.0	4.0	3.5	2.8	2.8
ULTRA SPORT (PST-2HAF20)	9.0	7.0	6.3	4.5	4.0	4.0	3.5	3.0	2.3
DARK MATTER	9.0	6.8	7.0	5.0	4.0	3.8	3.0	2.5	2.5
HIGH OCTANE	9.0	6.8	6.5	4.5	4.0	3.5	3.3	3.0	2.8
PERFORMANCE (NAI-PR5)	9.0	6.5	6.5	4.8	4.3	3.8	3.5	2.5	2.8
ASPIRATION (DLF-PR-3736)	8.8	6.8	6.0	4.5	3.5	4.0	3.8	2.5	2.5
SGP4	9.0	7.0	7.3	6.0	4.8	4.5	4.3	2.8	2.8
PST-2ADS	9.0	6.8	5.8	4.3	3.8	3.5	3.3	2.8	2.3
PST-2HFM	9.0	6.8	6.8	5.0	4.3	4.5	3.8	3.3	3.0
GO-RUS21	9.0	7.0	6.8	4.8	4.3	4.3	3.5	2.8	2.5
ALPHA CENTAURI	9.0	6.8	7.0	5.5	4.8	5.3	4.3	3.5	3.0
EXCEED (PPG-PR 668)	9.0	7.0	5.5	4.3	3.3	3.3	3.0	2.3	2.0
GRAND SLAM G-LS (PPG-PR 637)	9.0	6.8	6.3	5.0	4.0	4.0	3.3	2.5	2.3
FLIGHTLINE (PST-214)	9.0	7.0	6.5	4.8	3.5	3.5	3.0	2.3	1.3
BAR LP 22263	9.0	7.0	6.0	4.3	3.3	3.3	2.8	2.5	2.0
SILETZ	9.0	6.8	6.3	5.3	4.0	4.3	3.8	2.5	2.0
PPG-PR 620	9.0	6.8	6.0	4.5	4.0	3.5	3.3	2.3	2.0
DLF-PR-3729	9.0	6.8	6.8	5.0	4.0	4.0	3.8	2.5	2.0
GRAY EAGLE SLT (PST-2MEG)	9.0	6.5	6.3	4.3	4.0	3.5	3.0	2.3	2.0
PPG-PR 662	9.0	6.8	6.3	4.3	3.3	3.3	2.8	2.3	1.8
NEXUS DK (SE-DK)	9.0	6.8	6.8	5.3	3.8	4.0	3.8	2.5	2.0
PPG-PR 664	9.0	7.0	7.0	4.8	4.8	4.5	3.8	2.5	2.3
HOMERUN G-LS (PPG-PR 644)	8.8	6.8	6.5	5.0	4.5	4.3	4.0	2.3	2.0
PPG-PR671	9.0	6.8	5.8	4.3	3.5	3.5	3.0	2.3	2.0
RELIC (PPG-PR 611)	9.0	7.0	6.5	5.0	3.8	4.0	3.5	2.0	1.8
PPG-PR 667	9.0	7.0	6.8	4.8	4.5	4.3	3.8	3.0	2.3
PST-2SPF	9.0	6.5	6.5	4.8	4.3	4.0	3.3	2.0	1.8
RPP3	9.0	6.8	6.8	5.0	4.0	3.5	3.3	2.3	2.3
PISTON	9.0	6.8	6.5	5.3	4.0	4.0	3.5	2.5	2.0

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

QUALITY RATINGS FOR THE SALT TREATMENTS 6/28-9/8									
NAME	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	9.0	6.8	6.3	4.5	3.8	3.5	3.3	2.3	2.0
RC20-020	9.0	7.0	6.3	4.8	4.0	3.5	2.8	2.0	1.8
DLF-PR-3730	9.0	7.0	6.5	4.8	4.3	4.3	3.8	2.8	2.3
GO-RUS22	9.0	7.0	6.8	4.3	3.5	3.3	2.8	2.0	1.8
GREENBACK	9.0	7.0	7.0	4.8	4.3	4.3	3.0	2.0	1.8
LTP-NR	9.0	7.0	6.8	5.0	4.3	4.3	3.5	2.3	2.3
PPG-PR 643	9.0	7.0	6.5	4.5	4.3	4.0	3.3	2.5	2.0
PPG-PR 646	8.8	6.8	6.3	5.5	4.3	4.3	3.3	2.3	2.0
APPLE 4SGL (PPG-PR 663)	9.0	7.0	6.3	4.5	4.0	3.8	2.5	1.8	1.5
SLIDER SG (PPG-PR 602)	9.0	6.8	6.0	5.0	3.8	4.0	3.5	2.3	1.8
DLF-PR-3735	9.0	6.8	6.3	4.5	3.8	3.5	3.3	2.3	1.5
IGNITION (PPG-PR 647)	9.0	6.8	6.5	4.3	3.8	3.5	3.3	3.0	2.3
STINGER (PST-2EGY)	9.0	6.8	7.0	5.5	4.0	4.0	3.5	2.8	2.5
HOMERUN LS	9.0	6.8	5.3	3.8	3.3	3.0	2.3	1.5	1.3
WICKED COOL (DLF-PR-3738)	9.0	6.5	6.5	4.5	4.0	4.0	3.3	2.0	1.5
SUNDOWN (BY-PS2)	9.0	7.0	6.5	4.3	3.8	3.8	3.0	2.0	1.5
PS4	9.0	6.8	7.3	4.8	4.5	4.5	3.5	2.8	2.3
PST-2E6	8.8	6.8	6.5	5.0	4.0	3.0	2.5	1.8	1.5
PPG-PR 666	9.0	7.0	6.5	4.5	4.5	4.0	3.0	2.5	2.3
20PR10	9.0	7.0	6.3	4.8	3.8	4.0	3.0	1.5	1.5
MRS-L-PR22	9.0	6.8	7.0	5.0	4.0	3.8	3.3	1.5	1.5
STELLAR 4GL	9.0	6.8	6.8	5.0	4.0	4.5	3.8	2.8	1.8
BSG-PR22	9.0	7.0	7.3	5.5	4.8	4.8	4.0	2.8	2.0
KARMA	9.0	6.8	6.3	4.3	3.0	3.3	2.5	1.8	1.8
LIGHTSPEED (PST-2DRG)	9.0	7.0	6.0	3.8	3.5	3.0	2.5	1.5	1.3
PST-2BGL	9.0	7.0	6.3	4.8	4.0	3.5	2.8	2.0	1.5
PPG-PR 610	9.0	7.0	6.8	5.0	4.3	4.0	4.0	2.5	2.0
GO-RUS20	9.0	6.5	7.0	5.0	4.5	4.0	3.8	2.8	2.0
LINN	9.0	6.8	5.5	4.3	3.3	3.0	2.3	1.3	1.3
BAR LP 22191	9.0	7.0	7.0	6.0	4.3	4.0	2.8	1.8	2.0
SEPR-2013	9.0	6.8	6.5	5.3	4.0	3.8	3.5	1.8	1.3
CJP1R	9.0	6.8	6.5	4.3	3.0	2.8	2.3	2.0	1.8
LTP-RPP4	9.0	6.8	5.5	3.5	2.8	3.0	2.5	1.8	1.3
PVF-RPP2	9.0	7.0	7.0	4.5	3.5	3.3	2.3	1.5	1.3
BAR LP 22174	9.0	6.8	6.5	5.0	4.0	3.5	3.0	1.8	1.5
DLF-PR-3737	9.0	6.8	6.8	5.0	4.0	3.8	3.3	1.8	1.5
LSD VALUE	0.5	1.3	2.5	4.0	2.5	2.4	1.8	1.6	1.8
C.V. (%)	1.4	4.9	12.4	20.5	20.4	22.6	24.9	34.2	41.5

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 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA

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

PERCENT OF QUALITY (SALT TREATMENT OVER CONTROL 6/29-9/8)

NAME	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	100.0	95.3	106.7	87.7	101.7	100.0	82.3	66.7	67.7
DLF-PR-3727	104.3	95.3	91.3	101.0	100.0	93.3	73.3	65.7	55.7
PPG-PR 606	104.3	105.7	85.7	91.0	80.0	90.0	60.0	49.0	53.3
PST-2MES1	100.0	100.0	81.7	77.0	79.3	108.3	72.3	59.0	50.0
FASTBALL 4GL (PPG-PR 658)	100.0	100.0	101.7	99.0	74.3	95.0	60.0	46.7	46.7
APS	100.0	95.3	104.7	93.3	85.0	91.7	68.3	56.7	46.7
DLF-LGT-3066	100.0	101.0	90.7	94.3	80.0	85.0	70.0	47.7	46.7
VORTEX SRT (PPG-PR 665)	104.3	95.3	95.3	106.7	86.7	78.3	56.7	41.0	46.7
DLF-PR-3728	104.3	105.7	94.3	90.0	91.7	85.0	61.0	46.7	44.3
PPG-PR 639	104.3	100.0	105.7	113.3	110.0	101.7	75.7	64.0	44.0
PST-2GDS	104.3	95.3	95.3	83.3	71.7	71.7	66.7	43.0	43.7
PPG-PR 661	104.3	100.0	90.7	91.3	86.7	80.0	74.7	50.0	43.3
PPG-PR 670	100.0	100.0	81.7	82.0	78.3	68.3	51.0	38.7	43.3
BRIGHTSTAR SLT	104.3	101.0	91.3	82.0	91.7	97.3	65.7	46.0	42.3
PPG-PR 642	104.3	95.3	90.7	76.7	93.3	100.0	63.3	46.7	42.3
QUASAR	96.3	101.0	90.7	108.3	93.3	91.7	71.7	52.7	42.3
DLF-PR-3726	100.0	95.3	96.3	84.7	82.3	80.0	68.7	50.0	42.0
PROMINENT II (TSC-CRS)	104.3	95.3	90.7	80.0	75.0	91.7	67.3	41.7	41.7
BAR LP 22256	100.0	90.7	95.3	87.7	81.0	86.7	61.3	41.0	41.3
ULTRA SPORT (PST-2HAF20)	100.0	100.0	81.0	71.0	71.0	65.3	54.3	40.7	41.3
DARK MATTER	100.0	95.3	91.7	78.0	76.7	70.0	51.0	44.3	41.0
HIGH OCTANE	100.0	95.3	85.7	70.0	73.3	71.7	52.3	50.0	41.0
PERFORMANCE (NAI-PR5)	104.3	90.7	84.7	81.0	86.7	80.0	67.7	41.0	41.0
ASPIRATION (DLF-PR-3736)	96.3	101.0	90.7	95.0	86.7	93.3	72.3	41.0	40.3
SGP4	100.0	100.0	102.3	105.7	93.3	101.7	90.7	40.3	40.3
PST-2ADS	104.3	95.3	80.7	77.7	73.3	78.3	64.0	46.7	40.0
PST-2HFM	104.3	95.3	96.0	79.0	81.0	86.7	65.7	49.0	40.0
GO-RUS21	100.0	100.0	94.3	76.3	77.7	77.7	69.3	46.7	39.0
ALPHA CENTAURI	100.0	95.3	100.0	88.7	93.3	108.3	76.7	50.0	38.7
EXCEED (PPG-PR 668)	100.0	100.0	85.7	76.7	64.3	80.0	60.0	39.0	38.0
GRAND SLAM G-LS (PPG-PR 637)	100.0	95.3	101.0	79.0	86.7	95.0	63.3	42.0	38.0
FLIGHTLINE (PST-214)	100.0	100.0	96.0	86.7	67.7	65.7	55.7	41.7	37.3
BAR LP 22263	104.3	100.0	85.7	81.0	70.0	71.7	53.3	50.0	36.7
SILETZ	100.0	95.3	90.7	89.0	74.3	87.7	72.3	47.7	36.7
PPG-PR 620	100.0	95.3	87.0	76.7	81.0	80.0	74.3	43.0	36.3
DLF-PR-3729	104.3	95.3	96.0	83.7	78.3	80.7	55.7	40.7	35.7
GRAY EAGLE SLT (PST-2MEG)	100.0	90.7	101.0	81.0	86.7	86.7	60.0	37.3	35.7
PPG-PR 662	100.0	101.0	86.0	66.7	51.0	71.7	59.0	50.0	35.7
NEXUS DK (SE-DK)	104.3	95.3	102.7	101.0	85.0	91.7	77.7	47.0	35.3
PPG-PR 664	100.0	100.0	104.7	88.7	100.0	108.3	75.7	49.0	34.7
HOMERUN G-LS (PPG-PR 644)	100.0	101.0	95.3	87.7	87.7	100.0	87.3	48.3	34.3
PPG-PR671	104.3	95.3	83.7	76.7	64.3	86.7	58.3	41.0	34.0
RELIC (PPG-PR 611)	104.3	100.0	95.3	101.0	80.0	108.3	65.7	40.0	33.3
PPG-PR 667	100.0	100.0	101.0	83.3	86.7	101.7	75.7	46.7	32.7
PST-2SPF	104.3	90.7	96.3	95.7	82.0	76.7	55.7	35.7	32.3
RPP3	100.0	95.3	95.3	81.0	73.3	65.7	55.7	34.7	32.3
PISTON	100.0	95.3	101.7	95.3	85.0	93.3	77.3	50.0	32.0

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA

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

PERCENT OF QUALITY (SALT TREATMENT OVER CONTROL 6/29-9/8)

NAME	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	100.0	95.3	90.7	79.0	82.3	80.0	62.0	35.0	31.7
RC20-020	100.0	100.0	106.3	87.7	80.0	80.0	49.0	33.0	31.3
DLF-PR-3730	100.0	100.0	86.0	72.3	80.0	80.0	63.3	31.0	31.0
GO-RUS22	104.3	100.0	90.7	71.0	66.7	66.7	52.3	34.3	31.0
GREENBACK	100.0	105.7	100.7	81.0	80.0	88.3	59.0	34.3	31.0
LTP-NR	100.0	100.0	100.0	77.0	80.0	86.7	60.7	30.0	31.0
PPG-PR 643	104.3	105.7	100.0	81.0	86.7	80.0	55.7	37.7	31.0
PPG-PR 646	100.7	101.0	90.7	101.0	74.3	86.7	56.7	30.0	31.0
APPLE 4SGL (PPG-PR 663)	100.0	105.7	95.3	87.7	82.3	82.3	46.3	28.7	31.0
SLIDER SG (PPG-PR 602)	100.0	95.3	86.7	89.7	71.3	79.0	64.7	35.0	30.7
DLF-PR-3735	100.0	101.0	90.3	75.3	80.7	76.7	64.0	41.0	30.0
IGNITION (PPG-PR 647)	104.3	95.3	89.7	73.3	73.3	76.7	64.0	49.0	30.0
STINGER (PST-2EGY)	100.0	95.3	95.3	100.0	73.3	78.3	56.7	34.3	28.7
HOMERUN LS	100.0	101.0	80.0	67.7	60.0	68.3	47.7	28.3	28.3
WICKED COOL (DLF-PR-3738)	100.0	90.7	91.3	78.0	86.7	87.7	65.7	30.0	27.7
SUNDOWN (BY-PS2)	100.0	100.0	104.7	93.3	83.3	100.0	62.3	36.7	27.7
PS4	100.0	95.3	100.0	75.3	89.0	95.0	64.0	37.3	26.7
PST-2E6	100.7	101.0	95.3	100.0	86.7	66.7	46.7	31.7	26.7
PPG-PR 666	100.0	100.0	87.7	75.3	86.7	76.7	49.7	33.0	26.3
20PR10	104.3	100.0	90.7	83.3	66.7	76.7	53.3	19.7	25.7
MRS-L-PR22	100.0	95.3	101.7	75.0	80.0	80.0	65.7	21.3	25.7
STELLAR 4GL	100.0	95.3	100.0	83.3	73.3	101.7	75.7	45.7	25.7
BSG-PR22	100.0	100.0	101.0	94.3	101.7	108.3	72.3	34.3	24.7
KARMA	100.0	95.3	90.7	76.7	58.3	64.3	44.3	28.0	24.7
LIGHTSPEED (PST-2DRG)	104.3	100.0	94.3	67.7	73.3	60.0	46.3	24.7	24.7
PST-2BGL	104.3	100.0	92.7	93.3	86.7	85.0	56.7	39.0	23.7
PPG-PR 610	104.3	100.0	91.3	94.3	74.3	82.3	74.3	38.7	23.3
GO-RUS20	100.0	90.7	91.3	87.7	86.7	82.3	72.3	42.0	22.3
LINN	108.7	101.0	84.7	73.3	70.0	63.3	41.0	23.3	21.7
BAR LP 22191	104.3	100.0	101.0	116.7	88.3	85.0	53.3	21.7	20.7
SEPR-2013	100.0	95.3	86.7	82.0	70.0	66.7	67.3	26.7	20.0
CJP1R	104.3	95.3	92.7	70.0	53.3	50.0	42.3	29.0	19.0
LTP-RPP4	100.0	101.0	86.7	67.7	56.7	61.7	46.7	36.7	19.0
PVF-RPP2	104.3	100.0	108.3	82.3	64.3	76.7	38.3	24.7	19.0
BAR LP 22174	104.3	101.0	87.0	73.0	75.7	65.0	50.0	22.0	17.0
DLF-PR-3737	100.0	95.3	92.0	74.3	69.0	64.3	52.3	23.7	16.0
LSD VALUE	21.8	31.8	76.3	90.7	76.0	71.8	48.7	38.6	37.3
C.V. (%)	4.4	6.8	14.9	23.6	23.6	25.2	26.1	36.1	39.8

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

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

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY RATINGS FOR THE CONTROL								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	8.7	8.0	6.7	5.3	5.3	5.3	4.3	5.3	5.3
DLF-PR-3727	8.7	7.7	6.7	5.7	5.0	5.3	5.3	5.0	5.3
PPG-PR 606	8.7	8.0	6.7	5.3	4.7	5.3	5.0	5.7	5.7
PST-2MES1	9.0	8.0	7.0	5.3	5.0	5.3	4.3	6.0	5.7
FASTBALL 4GL (PPG-PR 658)	8.7	8.0	6.3	5.7	4.7	5.3	4.7	5.7	5.7
APS	8.3	7.7	7.0	5.3	4.7	5.0	4.7	5.3	5.7
DLF-LGT-3066	8.3	7.7	6.3	5.3	4.3	4.7	4.0	4.7	5.3
VORTEX SRT (PPG-PR 665)	8.3	7.3	6.3	5.7	5.3	5.3	4.7	5.3	5.0
DLF-PR-3728	8.7	8.0	7.0	5.3	4.7	5.0	4.3	5.0	4.7
PPG-PR 639	8.3	7.3	6.3	5.3	4.7	4.3	4.3	4.7	4.7
PST-2GDS	8.3	8.0	6.7	5.7	5.0	4.7	4.3	5.0	4.3
PPG-PR 661	8.7	7.7	6.3	5.7	5.0	5.0	4.7	5.0	5.0
PPG-PR 670	8.0	7.7	6.7	5.3	4.7	4.7	4.0	5.0	5.3
BRIGHTSTAR SLT	8.3	7.3	6.3	5.3	4.7	4.7	4.7	5.0	5.0
PPG-PR 642	8.3	7.7	6.7	5.7	5.0	5.0	5.0	5.3	6.0
QUASAR	8.7	7.7	6.7	5.3	4.7	4.3	4.3	5.0	5.0
DLF-PR-3726	8.7	8.0	7.0	5.7	5.0	5.0	5.0	5.3	5.3
PROMINENT II (TSC-CRS)	8.7	7.7	6.7	5.0	4.3	4.3	4.0	4.7	5.0
BAR LP 22256	8.7	7.7	6.3	5.7	5.3	5.3	4.3	5.3	5.7
ULTRA SPORT (PST-2HAF20)	8.3	7.3	6.7	5.3	4.7	5.3	5.3	5.3	5.7
DARK MATTER	9.0	7.7	6.3	5.3	5.0	5.3	4.7	5.3	5.7
HIGH OCTANE	8.3	8.0	6.3	5.3	4.3	5.3	4.0	4.7	4.7
PERFORMANCE (NAI-PR5)	8.0	7.3	6.7	5.3	4.7	4.7	4.3	5.0	5.0
ASPIRATION (DLF-PR-3736)	8.7	7.7	6.7	5.3	5.3	5.0	5.0	5.0	5.7
SGP4	8.7	7.7	6.7	5.7	5.0	5.3	4.7	5.3	5.7
PST-2ADS	8.0	7.3	6.3	5.3	5.0	5.0	4.7	5.7	5.3
PST-2HFM	8.7	7.7	6.7	5.3	5.0	5.0	4.7	5.3	5.3
GO-RUS21	8.7	8.0	7.0	5.3	4.7	5.0	5.0	5.3	5.7
ALPHA CENTAURI	8.7	8.0	7.0	5.7	4.7	5.3	4.7	5.7	6.0
EXCEED (PPG-PR 668)	8.3	7.3	6.3	5.3	4.3	4.3	4.0	4.7	5.0
GRAND SLAM G-LS (PPG-PR 637)	8.7	7.7	6.3	5.7	5.3	5.3	5.0	5.7	5.3
FLIGHTLINE (PST-214)	9.0	7.7	6.3	5.7	5.3	5.3	4.3	5.0	5.3
BAR LP 22263	8.3	7.3	6.7	5.3	5.0	5.3	4.3	5.0	5.0
SILETZ	8.7	7.7	6.3	5.3	5.3	5.3	4.7	5.0	5.0
PPG-PR 620	8.7	7.3	6.3	5.3	5.0	5.0	5.0	5.3	5.3
DLF-PR-3729	8.3	7.3	6.7	5.7	5.0	4.7	4.7	5.0	5.7
GRAY EAGLE SLT (PST-2MEG)	8.7	7.7	6.7	5.3	4.7	5.0	4.7	5.7	6.0
PPG-PR 662	8.7	7.7	7.0	5.7	5.7	5.0	4.7	5.0	5.0
NEXUS DK (SE-DK)	8.3	7.7	6.3	5.3	4.7	4.7	4.3	4.7	5.0
PPG-PR 664	8.7	7.3	6.3	5.3	5.0	5.0	4.7	5.0	5.3
HOMERUN G-LS (PPG-PR 644)	8.7	7.7	6.7	5.3	5.3	5.3	4.7	5.3	5.0
PPG-PR671	8.7	7.7	6.7	5.7	5.0	5.0	4.7	5.7	5.7
RELIC (PPG-PR 611)	9.0	8.0	6.7	5.7	5.0	5.3	5.0	5.7	6.0
PPG-PR 667	9.0	8.0	7.0	5.3	5.3	5.3	5.0	5.7	5.3
PST-2SPF	8.3	7.3	6.3	5.7	5.0	5.3	5.3	5.3	5.7
RPP3	8.7	7.7	6.7	5.3	5.0	5.0	5.0	5.7	5.3
PISTON	8.7	7.7	7.0	5.3	4.7	5.0	4.0	5.3	5.3

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

DENSITY RATINGS FOR THE CONTROL									
NAME	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	8.3	7.7	6.7	5.3	4.7	5.0	4.7	5.0	5.3
RC20-020	8.3	7.5	6.7	5.3	4.7	5.0	4.3	5.3	5.3
DLF-PR-3730	8.7	7.7	6.3	5.3	5.0	5.0	4.7	5.7	5.3
GO-RUS22	9.0	7.7	6.3	5.7	5.0	4.7	4.7	5.0	5.0
GREENBACK	8.7	7.7	6.7	5.7	5.0	5.0	5.0	5.3	5.7
LTP-NR	8.7	7.7	6.7	5.3	5.0	5.0	4.3	5.3	5.7
PPG-PR 643	8.0	8.0	7.0	5.3	4.7	5.0	4.7	5.3	5.0
PPG-PR 646	8.7	7.7	6.7	5.7	5.0	5.0	4.7	5.3	5.0
APPLE 4SGL (PPG-PR 663)	8.7	7.7	6.7	5.3	4.7	5.0	4.3	5.3	5.7
SLIDER SG (PPG-PR 602)	8.3	7.7	6.3	5.7	5.3	5.0	5.0	5.3	5.7
DLF-PR-3735	8.7	7.7	6.7	5.3	5.3	5.0	5.0	5.7	5.7
IGNITION (PPG-PR 647)	8.7	7.7	6.7	5.3	5.0	5.0	5.0	5.7	5.3
STINGER (PST-2EGY)	8.7	7.7	6.3	5.3	5.0	5.0	5.0	5.3	5.0
HOMERUN LS	8.3	7.3	6.3	5.3	4.3	4.7	4.3	5.3	5.0
WICKED COOL (DLF-PR-3738)	8.7	7.3	6.7	5.3	5.0	4.7	4.7	5.0	5.7
SUNDOWN (BY-PS2)	8.7	7.7	6.3	5.0	4.3	4.7	4.3	4.7	5.0
PS4	8.7	7.7	6.7	5.3	4.3	5.0	4.7	5.3	5.3
PST-2E6	8.3	7.3	6.7	5.0	4.3	4.7	4.0	4.7	4.7
PPG-PR 666	8.7	7.7	6.7	5.7	5.0	5.3	5.0	5.7	6.0
20PR10	8.7	7.5	6.7	5.7	4.7	4.7	4.7	4.7	4.7
MRSI-PR22	8.3	7.5	6.7	5.3	4.3	4.3	4.0	4.7	5.3
STELLAR 4GL	8.3	7.7	6.7	5.3	5.0	5.3	4.7	5.3	5.7
BSG-PR22	8.3	7.7	6.3	5.0	4.3	4.3	4.0	4.7	5.3
KARMA	8.3	7.3	6.3	5.3	4.7	4.7	4.3	5.0	5.0
LIGHTSPEED (PST-2DRG)	8.7	7.7	6.3	5.7	5.0	5.3	5.3	5.3	5.7
PST-2BGL	8.7	7.7	6.3	5.7	4.7	4.7	4.7	5.3	5.3
PPG-PR 610	8.7	7.7	6.7	5.7	5.0	5.0	5.0	5.0	5.3
GO-RUS20	8.7	7.7	6.7	5.3	4.7	4.7	4.7	5.0	5.3
LINN	8.3	7.7	6.3	5.0	4.3	5.0	4.0	4.7	4.7
BAR LP 22191	8.7	7.7	6.7	5.7	4.7	5.0	4.3	5.3	5.3
SEPR-2013	9.0	7.7	6.7	5.3	5.0	5.3	4.3	5.3	5.7
CJPIR	8.7	8.0	6.7	5.3	4.7	4.7	4.3	5.0	5.0
LTP-RPP4	8.3	7.5	6.7	5.3	4.7	4.3	4.0	4.7	5.3
PVF-RPP2	8.7	7.5	6.7	5.7	4.0	4.7	4.3	5.3	5.0
BAR LP 22174	8.3	7.3	6.3	5.3	5.0	5.3	4.7	5.3	5.7
DLF-PR-3737	8.3	7.3	6.7	5.3	5.3	5.3	4.7	5.0	5.3
LSD VALUE	2.1	2.2	1.8	1.2	1.7	1.4	1.2	2.1	1.7
C.V. (%)	5.1	4.9	6.0	5.8	10.6	9.6	10.6	10.6	10.4

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

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

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY RATINGS FOR THE SALT TREATMENT								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	7.8	7.3	6.3	5.0	4.3	4.3	4.3	4.8	4.3
DLF-PR-3727	8.8	8.0	6.5	5.5	5.0	5.0	4.8	5.0	4.8
PPG-PR 606	8.0	7.3	6.3	5.3	4.0	4.3	4.3	4.5	4.3
PST-2MES1	8.0	7.5	6.5	5.3	4.5	4.5	4.3	4.8	4.8
FASTBALL 4GL (PPG-PR 658)	8.8	7.8	6.5	5.5	5.3	4.8	4.8	5.0	4.3
APS	8.0	7.3	6.3	5.0	4.8	4.0	4.3	4.8	4.5
DLF-LGT-3066	8.3	7.3	6.0	4.8	4.3	4.5	4.3	4.5	3.8
VORTEX SRT (PPG-PR 665)	8.5	7.5	6.8	5.5	5.0	4.8	4.5	5.3	4.5
DLF-PR-3728	8.0	7.5	6.5	5.0	4.8	4.0	4.0	4.5	4.3
PPG-PR 639	7.8	7.8	6.3	5.3	5.3	4.8	4.5	4.5	4.5
PST-2GDS	8.3	7.3	6.3	5.3	4.3	4.0	4.0	4.5	4.0
PPG-PR 661	8.3	7.8	6.3	5.5	4.5	5.0	4.5	4.8	4.5
PPG-PR 670	8.0	7.3	6.5	4.8	4.0	4.0	4.3	4.3	4.3
BRIGHTSTAR SLT	8.5	7.8	6.3	5.5	5.0	5.0	4.3	4.5	4.0
PPG-PR 642	8.5	7.0	6.0	4.8	4.3	4.3	4.3	4.3	4.3
QUASAR	8.0	7.3	6.3	5.3	4.3	4.3	4.3	4.3	4.0
DLF-PR-3726	8.3	7.5	6.3	5.0	4.3	4.5	4.3	4.5	4.0
PROMINENT II (TSC-CRS)	8.5	7.8	6.0	5.3	4.0	4.3	4.3	4.5	4.5
BAR LP 22256	8.8	7.3	6.5	5.0	4.3	4.5	4.3	4.5	4.5
ULTRA SPORT (PST-2HAF20)	7.8	7.3	6.5	4.8	4.5	4.5	4.3	4.3	4.3
DARK MATTER	8.3	7.5	6.5	5.5	4.3	4.5	4.3	4.5	4.3
HIGH OCTANE	8.0	7.5	6.3	5.0	4.3	4.3	3.8	4.5	3.8
PERFORMANCE (NAI-PR5)	8.3	7.3	6.3	5.3	4.5	4.3	4.3	4.5	4.3
ASPIRATION (DLF-PR-3736)	8.0	7.3	6.0	4.8	3.8	4.3	4.3	4.3	4.3
SGP4	8.5	7.8	6.5	5.5	4.8	4.5	4.3	4.8	4.8
PST-2ADS	8.8	7.8	6.3	5.0	4.8	4.5	4.0	4.8	4.8
PST-2HFM	7.8	7.3	6.3	5.0	4.5	4.5	4.5	4.5	4.5
GO-RUS21	8.3	7.5	6.3	5.5	4.8	4.8	4.5	4.5	4.5
ALPHA CENTAURI	8.0	7.3	6.3	5.3	4.5	4.3	4.5	4.8	4.0
EXCEED (PPG-PR 668)	8.5	7.5	6.5	5.0	4.0	4.5	4.3	4.5	4.8
GRAND SLAM G-LS (PPG-PR 637)	8.3	8.0	6.5	5.3	4.8	4.8	4.3	5.0	4.5
FLIGHTLINE (PST-214)	8.8	7.8	6.0	5.0	4.3	4.0	4.0	4.0	4.0
BAR LP 22263	8.3	7.5	6.5	5.0	4.3	4.3	4.3	4.3	4.5
SILETZ	8.3	7.8	6.3	5.0	4.5	4.5	4.3	4.3	4.3
PPG-PR 620	8.8	7.8	6.5	5.3	5.0	5.0	4.3	5.3	4.5
DLF-PR-3729	8.8	7.8	6.3	5.0	4.5	4.3	4.0	4.3	4.3
GRAY EAGLE SLT (PST-2MEG)	8.3	7.3	6.3	5.3	4.3	4.5	4.3	4.5	4.3
PPG-PR 662	8.0	7.5	6.3	4.8	4.3	4.5	4.3	4.8	4.5
NEXUS DK (SE-DK)	8.3	7.3	6.0	5.0	4.3	4.0	4.3	4.3	4.3
PPG-PR 664	8.5	7.5	6.5	5.5	4.8	4.8	4.3	4.8	4.0
HOMERUN G-LS (PPG-PR 644)	8.8	7.8	6.3	5.3	5.0	5.0	4.8	5.0	4.3
PPG-PR671	8.3	7.5	6.5	4.8	4.5	4.5	4.5	4.8	4.8
RELIC (PPG-PR 611)	8.5	7.5	6.5	5.3	4.5	4.5	4.5	4.8	4.5
PPG-PR 667	8.0	7.8	6.5	5.3	5.3	5.0	4.5	4.8	4.8
PST-2SPF	8.0	6.8	6.8	5.5	4.8	4.0	4.0	4.5	4.0
RPP3	8.3	7.5	6.3	5.3	5.0	4.5	4.0	4.5	4.3
PISTON	8.0	7.5	6.3	5.3	4.3	4.8	4.0	4.5	4.0

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY RATINGS FOR THE SALT TREATMENT								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	8.3	7.3	6.3	5.3	4.5	4.5	4.3	4.8	4.8
RC20-020	8.3	7.3	6.3	5.5	4.8	4.5	4.3	4.5	4.5
DLF-PR-3730	8.0	7.3	6.3	5.3	4.5	4.3	4.3	4.3	4.5
GO-RUS22	8.3	7.3	6.3	5.0	4.5	4.0	3.5	4.0	4.3
GREENBACK	9.0	7.8	6.5	5.5	4.5	4.3	4.0	4.0	4.0
LTP-NR	8.3	7.5	6.5	5.3	4.5	4.3	4.0	4.5	4.3
PPG-PR 643	8.0	7.3	6.3	5.3	4.8	4.5	4.3	5.0	4.5
PPG-PR 646	8.5	7.3	6.3	5.5	5.0	4.3	4.3	4.5	4.5
APPLE 4SGL (PPG-PR 663)	8.0	7.5	6.0	5.0	4.3	4.3	4.0	4.3	4.3
SLIDER SG (PPG-PR 602)	8.3	7.8	6.5	5.3	4.8	4.5	4.3	5.0	4.5
DLF-PR-3735	8.0	7.5	6.3	5.0	4.3	4.5	4.0	4.5	4.3
IGNITION (PPG-PR 647)	8.3	7.5	6.5	5.3	5.0	4.5	4.3	5.3	4.3
STINGER (PST-2EGY)	8.3	7.5	6.3	5.3	4.3	4.3	4.3	4.8	4.3
HOMERUN LS	8.3	7.3	6.3	5.0	4.5	4.3	4.3	4.3	4.3
WICKED COOL (DLF-PR-3738)	8.0	7.5	6.3	5.0	4.3	4.8	4.3	4.5	4.5
SUNDOWN (BY-PS2)	8.0	7.5	6.3	5.0	4.5	4.5	4.0	4.3	4.3
PS4	8.3	7.8	6.8	5.3	4.3	4.5	4.5	5.0	4.3
PST-2E6	8.0	7.5	6.5	5.3	4.5	4.0	4.5	4.3	4.0
PPG-PR 666	8.3	7.5	6.5	5.0	4.5	4.8	4.5	5.0	4.8
20PR10	8.5	7.5	6.3	5.5	4.5	4.3	4.0	4.3	4.3
MRSI-PR22	8.3	7.0	6.0	5.0	4.0	3.8	3.8	3.8	4.0
STELLAR 4GL	7.8	7.3	6.3	5.0	4.3	4.3	4.3	4.3	4.3
BSG-PR22	7.8	7.3	6.3	5.3	4.3	4.0	4.0	4.0	4.0
KARMA	8.5	7.5	6.3	5.0	4.3	3.8	3.8	4.0	4.0
LIGHTSPEED (PST-2DRG)	8.5	7.5	6.0	4.8	4.0	4.3	4.0	4.0	3.8
PST-2BGL	8.0	7.8	6.3	5.3	4.3	4.3	4.3	4.5	4.5
PPG-PR 610	8.5	8.0	6.8	5.5	5.0	4.8	4.5	4.8	4.3
GO-RUS20	8.5	7.5	6.3	5.5	4.8	4.8	4.5	5.0	4.5
LINN	8.5	7.3	6.0	4.8	4.0	3.5	3.5	3.5	4.0
BAR LP 22191	8.5	7.5	6.3	5.5	4.5	4.0	4.0	4.5	4.3
SEPR-2013	8.0	7.5	6.3	5.5	4.5	4.3	4.3	4.3	4.5
CJPIR	8.3	7.3	6.3	5.3	4.3	4.0	3.5	3.8	4.0
LTP-RPP4	8.3	7.3	6.3	4.8	4.0	4.0	4.0	4.0	4.3
PVF-RPP2	7.8	7.3	6.3	5.3	5.0	4.3	4.0	4.3	4.0
BAR LP 22174	8.5	7.8	6.5	5.5	5.0	4.8	4.3	4.5	4.8
DLF-PR-3737	8.5	7.5	6.8	5.5	5.3	4.5	4.3	4.5	4.5
LSD VALUE	2.4	1.3	1.3	1.8	1.3	1.4	1.2	1.1	1.6
C.V. (%)	7.3	5.8	5.9	9.4	12.7	12.5	10.6	12.2	11.5

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 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LEAF FIRING-CONTROL								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	0	0	4.3	15.7	22.3	29.7	16.7	14.7	12.0
DLF-PR-3727	0	0	1.7	11.7	17.7	25.7	13.7	10.7	10.7
PPG-PR 606	0	0	2.3	13.0	26.0	21.0	17.0	8.3	10.3
PST-2MES1	0	0	3.3	11.0	20.0	34.3	16.7	11.0	13.3
FASTBALL 4GL (PPG-PR 658)	0	0	2.3	10.3	18.3	28.0	17.3	9.0	9.7
APS	0	0	2.3	16.3	32.0	31.7	22.0	13.3	12.3
DLF-LGT-3066	0	0	3.0	16.0	28.7	21.3	17.7	11.0	9.3
VORTEX SRT (PPG-PR 665)	0	0	1.0	11.3	20.0	24.3	15.0	13.0	15.3
DLF-PR-3728	0	0	3.3	15.7	25.7	31.0	21.0	22.0	17.3
PPG-PR 639	0	0	2.3	14.3	32.3	31.7	18.7	15.7	16.3
PST-2GDS	0	0	1.3	14.0	22.7	26.7	17.0	33.3	35.0
PPG-PR 661	0	0	2.3	12.7	20.3	25.7	15.0	15.3	13.3
PPG-PR 670	0	0	2.7	13.7	23.0	35.0	17.3	12.3	11.7
BRIGHTSTAR SLT	0	0	2.0	13.0	26.0	30.3	19.7	18.0	14.0
PPG-PR 642	0	0	1.7	12.0	18.3	26.3	13.3	10.0	11.0
QUASAR	0	0	3.7	20.7	31.3	33.0	29.0	26.0	18.7
DLF-PR-3726	0	0	1.0	11.0	17.3	24.0	14.3	8.7	11.7
PROMINENT II (TSC-CRS)	0	0	4.0	25.7	37.3	35.7	29.7	15.7	16.0
BAR LP 22256	0	0	2.3	12.0	14.0	24.3	13.0	8.0	10.3
ULTRA SPORT (PST-2HAF20)	0	0	2.0	12.0	17.3	18.7	10.3	7.0	10.0
DARK MATTER	0	0	3.0	14.0	22.7	26.3	19.3	13.0	15.3
HIGH OCTANE	0	0	1.0	13.3	19.7	27.3	17.7	13.7	13.3
PERFORMANCE (NAI-PR5)	0	0	2.3	12.3	20.0	35.3	25.7	16.0	16.7
ASPIRATION (DLF-PR-3736)	0	0	2.7	22.7	30.0	23.7	15.7	10.3	11.3
SGP4	0	0	3.3	14.0	23.7	23.3	16.0	9.7	11.7
PST-2ADS	0	0	3.3	12.7	18.7	31.3	18.3	14.7	13.7
PST-2HFM	0	0	2.0	8.7	15.7	20.7	14.0	14.0	12.3
GO-RUS21	0	0	2.3	12.7	22.0	26.7	20.3	14.3	18.7
ALPHA CENTAURI	0	0	1.0	14.0	24.0	24.3	13.7	8.0	9.0
EXCEED (PPG-PR 668)	0	0	3.3	11.3	21.0	23.3	15.7	9.0	10.7
GRAND SLAM G-LS (PPG-PR 637)	0	0	1.0	10.7	11.7	21.0	11.3	8.7	10.3
FLIGHTLINE (PST-214)	0	0	2.3	9.7	16.7	22.7	18.7	26.7	30.0
BAR LP 22263	0	0	3.3	14.0	29.3	28.7	17.3	12.3	13.3
SILETZ	0	0	2.3	9.7	14.0	22.7	13.3	10.0	13.7
PPG-PR 620	0	0	1.3	11.7	24.0	25.0	18.3	11.7	10.0
DLF-PR-3729	0	0	3.0	13.3	25.0	30.0	20.0	12.7	14.7
GRAY EAGLE SLT (PST-2MEG)	0	0	1.7	12.3	20.0	28.0	14.0	7.7	10.7
PPG-PR 662	0	0	0.7	11.7	22.7	23.7	17.3	25.0	27.0
NEXUS DK (SE-DK)	0	0	3.3	21.7	28.3	31.7	16.7	11.0	11.7
PPG-PR 664	0	0	1.3	10.3	17.0	25.3	15.7	15.7	14.7
HOMERUN G-LS (PPG-PR 644)	0	0	1.3	11.0	22.3	24.7	20.7	21.3	17.0
PPG-PR671	0	0	2.0	15.7	21.3	28.7	18.3	13.0	12.3
RELIC (PPG-PR 611)	0	0	2.0	13.3	22.3	28.3	15.7	8.0	10.0
PPG-PR 667	0	0	2.3	16.7	25.7	26.0	23.0	15.7	18.3
PST-2SPF	0	0	1.0	9.7	11.3	13.0	7.7	6.3	9.0
RPP3	0	0	2.0	12.7	19.7	23.7	21.7	17.0	13.7
PISTON	0	0	1.0	15.0	33.3	42.7	23.7	36.3	34.0

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LEAF FIRING-CONTROL								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	0	0	1.3	11.0	22.3	23.7	14.7	8.3	9.7
RC20-020	0	0	2.0	13.3	17.3	21.3	16.0	9.7	10.7
DLF-PR-3730	0	0	1.3	12.7	18.3	28.0	12.3	8.0	10.0
GO-RUS22	0	0	1.7	10.7	18.0	24.7	15.7	11.3	10.7
GREENBACK	0	0	2.3	13.7	18.3	27.3	15.7	12.0	14.7
LTP-NR	0	0	2.3	11.7	19.7	22.0	19.0	14.7	12.3
PPG-PR 643	0	0	3.7	14.7	22.3	32.3	21.3	12.3	15.3
PPG-PR 646	0	0	1.7	14.3	20.3	26.7	15.3	10.3	13.3
APPLE 4SGL (PPG-PR 663)	0	0	2.3	15.3	27.7	29.7	17.0	11.0	13.7
SLIDER SG (PPG-PR 602)	0	0	1.0	8.3	13.0	17.7	12.3	10.0	8.3
DLF-PR-3735	0	0	2.7	21.0	28.0	25.7	20.3	12.7	12.3
IGNITION (PPG-PR 647)	0	0	3.7	15.7	27.7	38.0	23.0	12.3	11.7
STINGER (PST-2EGY)	0	0	2.7	13.3	18.3	25.3	15.3	12.3	9.7
HOMERUN LS	0	0	2.0	14.0	31.0	26.0	25.3	19.3	15.0
WICKED COOL (DLF-PR-3738)	0	0	1.0	10.3	19.7	22.0	15.0	8.0	10.0
SUNDOWN (BY-PS2)	0	0	4.3	16.7	29.7	33.7	16.7	10.0	9.3
PS4	0	0	1.0	12.0	17.0	23.7	17.7	12.0	10.3
PST-2E6	0	0	3.7	20.0	32.7	31.0	25.7	17.3	15.7
PPG-PR 666	0	0	1.7	12.7	19.7	27.0	12.7	10.3	10.7
20PR10	0	0	1.3	13.0	30.7	26.3	19.0	21.3	17.0
MRS-L-PR22	0	0	2.3	13.0	23.0	23.3	14.3	9.7	11.3
STELLAR 4GL	0	0	3.3	13.3	27.3	28.0	21.7	13.3	11.0
BSG-PR22	0	0	2.7	11.0	25.7	34.3	18.0	11.3	14.0
KARMA	0	0	1.7	12.0	26.3	22.7	19.7	18.7	15.0
LIGHTSPEED (PST-2DRG)	0	0	2.0	12.7	24.3	24.7	21.0	14.7	14.3
PST-2BGL	0	0	2.3	13.3	24.3	24.0	16.7	13.3	15.0
PPG-PR 610	0	0	2.7	9.7	17.0	21.0	11.7	10.0	11.3
GO-RUS20	0	0	2.0	11.7	17.7	28.7	18.0	17.7	13.7
LINN	0	0	3.7	15.0	31.3	32.3	28.0	23.7	19.7
BAR LP 22191	0	0	4.3	19.7	30.0	36.7	29.7	28.3	28.3
SEPR-2013	0	0	3.0	13.0	27.0	27.7	24.7	14.7	17.7
CJPIR	0	0	3.0	16.0	20.0	32.3	26.0	21.0	19.3
LTP-RPP4	0	0	3.0	14.7	24.0	28.7	21.7	27.3	15.7
PVF-RPP2	0	0	3.7	12.3	19.0	24.7	19.0	15.3	13.7
BAR LP 22174	0	0	2.7	14.3	21.7	28.0	16.3	9.0	10.3
DLF-PR-3737	0	0	1.0	9.3	15.7	24.7	18.7	16.3	11.3
LSD VALUE	0	0	5.8	15.3	17.2	18.7	15.8	19.3	19.8
C.V. (%)	.	.	66.4	35.9	32.6	26.0	34.3	57.4	52.8

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

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

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LEAF FIRING-FOR SALT TREATMENT								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
BAR LP 22262	0	0.0	4.8	30.3	39.3	38.5	32.5	40.3	63.3
DLF-PR-3727	0	0.0	3.8	23.8	40.3	41.3	36.5	52.0	68.3
PPG-PR 606	0	0.0	10.5	34.8	39.5	55.3	50.3	55.5	65.3
PST-2MES1	0	0.0	6.3	30.8	33.3	42.8	38.0	51.5	81.5
FASTBALL 4GL (PPG-PR 658)	0	0.0	3.0	22.8	34.8	45.3	45.8	55.8	75.3
APS	0	0.0	5.0	37.5	49.5	51.8	62.3	80.8	90.8
DLF-LGT-3066	0	0.0	17.0	41.3	52.5	59.0	57.5	76.0	91.5
VORTEX SRT (PPG-PR 665)	0	0.0	3.5	26.8	48.8	46.8	50.8	66.0	75.5
DLF-PR-3728	0	0.0	4.5	40.3	47.5	51.3	56.8	68.0	71.3
PPG-PR 639	0	0.0	3.3	24.3	35.0	45.3	39.3	66.5	78.3
PST-2GDS	0	0.0	6.5	58.3	56.5	70.3	79.0	94.0	98.3
PPG-PR 661	0	0.0	4.3	26.5	46.5	51.3	61.5	61.5	71.5
PPG-PR 670	0	0.0	5.3	49.0	61.0	61.3	59.0	70.8	87.3
BRIGHTSTAR SLT	0	0.0	3.3	25.0	40.3	47.3	60.5	83.5	84.8
PPG-PR 642	0	7.5	4.5	34.5	44.3	49.5	40.8	56.0	71.8
QUASAR	0	0.0	5.3	38.5	50.5	65.0	56.0	73.3	85.3
DLF-PR-3726	0	0.0	5.3	29.3	35.0	38.5	51.3	67.3	90.3
PROMINENT II (TSC-CRS)	0	0.0	8.8	34.0	39.0	56.3	56.8	66.8	70.5
BAR LP 22256	0	0.0	7.0	39.5	41.0	45.0	52.3	68.0	80.0
ULTRA SPORT (PST-2HAF20)	0	0.0	10.5	41.3	44.0	45.5	50.5	61.0	89.8
DARK MATTER	0	0.0	4.5	28.5	50.0	49.3	53.5	71.5	83.8
HIGH OCTANE	0	0.0	5.8	41.8	53.3	59.3	52.5	67.0	77.0
PERFORMANCE (NAI-PR5)	0	0.0	6.8	40.5	51.5	48.0	61.5	66.8	80.5
ASPIRATION (DLF-PR-3736)	0	5.0	14.0	29.8	48.3	44.0	50.5	84.5	88.0
SGP4	0	0.0	1.3	16.8	25.0	34.0	39.8	68.5	74.5
PST-2ADS	0	0.0	10.8	54.0	62.3	53.0	63.0	80.3	84.8
PST-2HFM	0	0.0	3.8	24.0	41.8	42.8	49.3	72.0	77.0
GO-RUS21	0	0.0	4.5	37.0	42.0	49.0	57.0	68.5	87.8
ALPHA CENTAURI	0	0.0	2.0	16.0	24.8	30.0	30.3	43.0	66.8
EXCEED (PPG-PR 668)	0	0.0	21.0	55.5	60.8	68.5	65.5	78.5	84.8
GRAND SLAM G-LS (PPG-PR 637)	0	0.0	6.3	24.3	47.5	45.3	54.3	82.0	87.3
FLIGHTLINE (PST-214)	0	0.0	5.8	43.8	48.5	52.5	63.5	92.8	99.0
BAR LP 22263	0	0.0	8.0	34.5	60.5	77.0	76.5	87.3	96.3
SILETZ	0	0.0	6.3	30.3	41.3	39.8	39.5	78.8	87.5
PPG-PR 620	0	0.0	6.3	41.3	42.0	50.8	61.5	86.8	94.5
DLF-PR-3729	0	0.0	4.8	36.0	45.3	49.8	61.3	81.0	92.8
GRAY EAGLE SLT (PST-2MEG)	0	0.0	4.5	36.3	45.3	61.8	63.8	90.3	93.8
PPG-PR 662	0	0.0	13.5	44.8	57.8	68.8	61.0	83.0	92.3
NEXUS DK (SE-DK)	0	0.0	3.0	23.0	45.0	42.5	49.3	86.0	95.8
PPG-PR 664	0	0.0	5.5	24.5	44.8	40.8	51.5	66.3	85.0
HOMERUN G-LS (PPG-PR 644)	0	0.0	4.5	27.8	39.0	47.3	47.5	67.5	93.8
PPG-PR671	0	0.0	9.0	42.8	55.3	61.8	62.8	85.8	95.0
RELIC (PPG-PR 611)	0	0.0	9.0	32.3	38.3	45.0	61.8	83.3	96.3
PPG-PR 667	0	0.0	4.0	31.0	33.8	44.0	42.3	70.8	87.0
PST-2SPF	0	0.0	5.8	32.3	36.0	51.3	56.8	92.3	97.3
RPP3	0	0.0	3.8	33.3	46.8	55.5	65.5	82.5	86.0
PISTON	0	0.0	4.0	27.3	32.3	47.3	61.8	79.0	93.0

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LEAF FIRING-FOR SALT TREATMENT								
	6/28 6_ds	7/7 12_ds	7/17 12_ds	7/27 18_ds	8/4 18_ds	8/11 18_ds	8/18 22_ds	9/1 22_ds	9/8 22_ds
PVF-SGS5	0	0.0	4.5	43.5	53.0	55.5	70.0	85.3	94.0
RC20-020	0	0.0	10.5	38.0	44.5	62.3	69.8	94.3	98.0
DLF-PR-3730	0	0.0	4.5	33.3	30.5	51.3	50.8	79.3	88.8
GO-RUS22	0	0.0	9.5	54.8	63.5	74.3	81.8	95.8	96.0
GREENBACK	0	0.0	4.8	34.8	45.0	52.0	65.5	91.3	98.8
LTP-NR	0	0.0	6.3	28.3	42.8	43.0	61.3	80.5	88.0
PPG-PR 643	0	0.0	4.3	34.8	48.8	48.8	53.5	75.5	96.3
PPG-PR 646	0	0.0	9.5	27.3	36.5	47.8	59.8	78.5	86.0
APPLE 4SGL (PPG-PR 663)	0	0.0	8.0	41.0	52.0	54.8	76.5	96.5	98.5
SLIDER SG (PPG-PR 602)	0	0.0	8.0	27.8	40.0	44.8	56.8	91.0	96.8
DLF-PR-3735	0	0.0	9.0	37.5	56.0	56.3	59.0	90.3	96.3
IGNITION (PPG-PR 647)	0	0.0	3.8	47.0	48.5	53.0	56.0	77.3	88.0
STINGER (PST-2EGY)	0	0.0	3.3	21.5	42.3	54.3	58.5	74.8	82.3
HOMERUN LS	0	0.0	10.8	53.5	61.0	78.0	91.5	98.5	98.8
WICKED COOL (DLF-PR-3738)	0	0.0	6.8	39.0	48.5	49.3	55.8	92.8	98.5
SUNDOWN (BY-PS2)	0	0.0	5.5	35.8	43.5	56.3	66.5	87.8	96.5
PS4	0	0.0	3.5	26.3	35.5	38.0	50.5	76.3	85.8
PST-2E6	0	0.0	4.8	28.5	49.3	60.0	78.3	89.3	96.3
PPG-PR 666	0	0.0	6.8	35.5	43.8	62.5	60.8	84.0	86.3
20PR10	0	0.0	7.8	41.3	59.5	60.0	61.5	90.3	98.5
MRS-L-PR22	0	0.0	3.8	33.0	33.5	46.5	62.0	88.3	96.0
STELLAR 4GL	0	0.0	4.0	26.8	31.3	46.3	47.5	73.3	96.0
BSG-PR22	0	0.0	2.0	21.5	38.3	37.8	39.5	76.0	86.3
KARMA	0	0.0	5.8	35.0	72.3	71.0	82.0	89.0	97.0
LIGHTSPEED (PST-2DRG)	0	0.0	9.8	50.0	61.0	69.5	86.0	98.8	99.0
PST-2BGL	0	0.0	16.3	43.3	48.5	58.0	65.8	93.0	98.8
PPG-PR 610	0	0.0	6.3	27.5	40.8	45.3	42.8	79.0	92.3
GO-RUS20	0	0.0	4.3	24.5	47.0	42.5	40.3	72.8	88.3
LINN	0	0.0	13.8	48.5	58.5	69.5	85.0	98.8	98.8
BAR LP 22191	0	0.0	1.3	19.5	39.3	51.8	68.0	83.3	84.0
SEPR-2013	0	0.0	4.3	26.5	48.8	58.3	61.0	89.0	98.3
CJPIR	0	0.0	4.5	43.5	67.3	78.5	81.5	87.8	88.8
LTP-RPP4	0	0.0	18.8	65.8	71.3	67.0	72.3	98.3	98.8
PVF-RPP2	0	0.0	6.5	43.0	55.8	63.3	85.0	96.5	98.0
BAR LP 22174	0	0.0	6.0	33.5	42.0	59.5	71.0	88.0	96.8
DLF-PR-3737	0	0.0	4.5	32.0	38.5	51.5	61.0	83.8	96.3
LSD VALUE	0	7.4	19.7	99.5	63.9	44.8	47.3	31.7	27.7
C.V. (%)	.	1316.4	105.1	62.8	41.2	34.0	36.1	23.2	16.1

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

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

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	7/5 6_ds	CLIPPING YIELD (MG) 7/26 12_ds	CONTROL 8/16 18_ds	9/6 22_ds	CLIPPING YIELD (MG) 7/5 6_ds	7/26 12_ds	DURING TREATMENT 8/16 18_ds	9/6 22_ds	% TREATMENT 7/5 6_ds	CLIPPING YIELD OVER 7/26 12_ds	8/16 18_ds	9/6 22_ds
BAR LP 22262	141.3	68.3	69.0	122.3	102.0	43.3	47.0	25.3	92.0	72.7	74.0	22.0
DLF-PR-3727	179.3	92.0	119.0	179.7	136.3	49.0	67.5	29.0	76.3	61.7	64.3	12.7
PPG-PR 606	146.7	78.0	79.7	176.7	140.3	75.3	46.8	46.0	94.0	147.7	55.3	25.0
PST-2MES1	154.3	82.7	109.7	153.7	145.8	51.8	65.8	22.0	96.0	65.0	66.3	10.0
FASTBALL 4GL (PPG-PR 658)	149.0	72.7	98.3	165.7	151.0	61.3	55.0	29.0	108.7	121.0	65.7	17.3
APS	161.7	73.7	93.3	175.0	148.5	64.3	41.5	10.5	88.3	74.3	44.7	6.3
DLF-LGT-3066	155.0	92.0	117.7	180.3	135.0	55.5	59.0	23.5	87.0	69.7	57.7	11.3
VORTEX SRT (PPG-PR 665)	174.3	85.3	103.3	137.3	170.5	46.0	48.3	23.5	109.0	57.0	40.3	8.7
DLF-PR-3728	154.3	46.3	57.3	128.0	126.5	53.5	46.3	23.0	83.3	123.7	195.0	7.3
PPG-PR 639	160.0	93.3	78.3	143.7	145.5	61.8	77.5	44.0	85.3	71.0	99.7	22.0
PST-2GDS	154.0	64.3	55.3	88.3	125.3	50.0	36.0	5.0	88.0	86.0	73.0	7.0
PPG-PR 661	166.7	81.3	90.7	175.0	131.8	64.5	55.0	30.3	85.0	89.3	56.3	8.3
PPG-PR 670	148.3	60.7	64.7	141.7	146.8	58.0	32.8	17.0	103.3	120.0	45.7	7.7
BRIGHTSTAR SLT	150.0	88.3	99.3	134.3	141.8	52.8	36.3	17.7	94.0	89.3	29.3	14.5
PPG-PR 642	148.3	87.0	69.7	170.7	149.7	56.8	60.0	29.3	103.3	88.3	102.0	11.5
QUASAR	169.3	87.7	77.3	150.3	130.5	49.0	41.5	17.3	79.0	59.7	67.0	10.0
DLF-PR-3726	143.7	73.7	93.7	155.3	145.5	63.5	51.3	15.3	108.3	100.7	62.7	9.3
PROMINENT II (TSC-CRS)	163.0	64.0	69.3	134.0	128.3	42.8	35.3	25.0	75.0	76.3	59.3	13.0
BAR LP 22256	153.7	75.3	107.7	134.0	136.8	44.5	48.3	18.5	93.7	59.3	61.7	10.0
ULTRA SPORT (PST-2HAF20)	142.0	347.3	96.7	140.3	140.5	48.5	47.0	17.5	105.3	54.7	49.0	11.3
DARK MATTER	154.0	51.0	79.7	97.0	120.3	41.5	42.0	25.0	83.7	99.7	45.0	18.0
HIGH OCTANE	153.0	93.3	95.7	142.3	137.5	58.0	39.0	25.0	88.7	73.0	34.0	8.0
PERFORMANCE (NAI-PR5)	161.0	89.0	82.3	126.7	151.8	72.5	55.8	23.5	106.0	83.0	71.7	8.3
ASPIRATION (DLF-PR-3736)	165.3	89.0	76.3	162.7	126.5	53.5	45.3	13.0	82.0	61.7	65.3	6.7
SGP4	170.3	85.3	90.3	155.3	145.5	66.8	80.8	43.7	84.3	80.0	81.0	22.0
PST-2ADS	160.3	90.7	98.3	176.7	156.0	86.3	33.3	22.0	94.7	96.0	27.0	9.5
PST-2HFM	132.3	64.3	68.0	110.7	121.0	40.8	40.5	19.7	100.3	79.7	57.7	12.5
GO-RUS21	162.0	81.7	88.7	129.0	157.0	82.8	53.8	28.0	96.7	109.0	50.3	13.5
ALPHA CENTAURI	184.0	77.0	91.7	206.0	132.5	51.8	63.8	26.0	70.3	71.0	58.3	8.3
EXCEED (PPG-PR 668)	140.0	76.0	66.3	125.7	146.0	56.3	40.8	19.5	102.3	83.0	93.7	12.3
GRAND SLAM G-LS (PPG-PR 637)	158.3	77.7	103.7	116.7	185.3	50.8	47.3	15.0	100.3	61.0	58.0	16.5
FLIGHTLINE (PST-214)	163.7	68.3	65.0	67.0	146.0	53.0	31.0	7.7	95.0	80.0	32.0	11.0
BAR LP 22263	159.0	85.3	88.3	148.7	125.3	52.0	27.3	11.0	77.3	68.0	28.7	10.0
SILETZ	146.7	79.3	91.7	143.3	133.0	52.0	62.5	15.3	90.0	68.3	75.0	11.5
PPG-PR 620	178.3	89.7	113.7	188.7	135.3	49.0	63.3	10.0	72.0	63.3	65.0	5.0
DLF-PR-3729	154.3	61.0	74.3	171.3	138.8	50.0	46.8	12.7	92.7	86.0	68.0	9.0
GRAY EAGLE SLT (PST-2MEG)	160.3	96.0	89.0	178.0	140.5	59.0	35.0	10.5	93.0	65.0	42.3	5.3
PPG-PR 662	176.7	101.3	92.7	162.7	145.0	57.0	39.5	21.3	82.0	54.3	46.7	20.0
NEXUS DK (SE-DK)	137.3	48.3	80.3	134.3	121.5	50.8	52.5	8.5	92.3	119.0	73.0	2.7
PPG-PR 664	150.7	105.7	96.0	130.3	142.8	57.5	61.8	19.3	97.0	66.3	80.7	15.5
HOMERUN G-LS (PPG-PR 644)	171.3	83.0	74.3	160.3	138.5	48.0	59.5	14.3	85.3	81.3	111.3	6.5
PPG-PR671	162.3	60.0	70.7	178.3	157.5	55.0	55.8	10.3	85.0	93.0	73.0	6.3
RELIC (PPG-PR 611)	172.3	73.7	90.7	192.0	137.5	70.0	63.3	11.5	84.7	91.3	76.7	6.0
PPG-PR 667	156.0	54.3	55.3	115.7	168.0	57.0	64.3	22.7	113.0	192.3	101.3	12.0
PST-2SPF	118.0	74.0	86.3	129.7	92.3	50.8	30.8	10.3	79.0	58.0	36.0	8.5
RPP3	152.0	81.3	66.7	122.3	137.0	42.0	36.8	21.7	96.3	50.3	45.3	11.0
PISTON	145.3	68.0	63.3	96.0	134.3	43.5	42.5	19.3	92.0	86.7	77.0	9.0

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER SALT STRESS IN THE GREENHOUSE AT FORT COLLINS, CO 1/
2024 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	CLIPPING YIELD (MG) CONTROL				CLIPPING YIELD (MG) DURING TREATMENT				% TREATMENT	CLIPPING YIELD OVER CONTROL			
	7/5 6_ds	7/26 12_ds	8/16 18_ds	9/6 22_ds	7/5 6_ds	7/26 12_ds	8/16 18_ds	9/6 22_ds		7/5 6_ds	7/26 12_ds	8/16 18_ds	9/6 22_ds
PVF-SGS5	156.3	67.0	86.0	160.7	158.3	62.8	50.8	9.0	100.0	99.7	69.7	5.7	
RC20-020	148.7	69.3	101.7	137.0	134.3	67.8	40.3	3.3	92.7	100.0	42.3	1.7	
DLF-PR-3730	147.0	70.3	79.7	164.7	143.3	63.8	49.0	19.0	99.3	105.3	61.3	4.5	
GO-RUS22	147.3	75.7	75.7	143.7	133.0	55.5	17.0	5.0	91.3	92.7	24.7	3.0	
GREENBACK	129.3	66.0	64.7	128.7	137.0	43.0	31.3	7.0	111.7	69.0	57.3	8.3	
LTP-NR	130.7	71.7	73.7	169.0	151.5	49.0	53.3	14.7	117.0	68.7	69.7	2.0	
PPG-PR 643	141.0	71.0	90.0	149.3	145.0	51.3	43.8	11.3	106.0	68.7	35.3	3.0	
PPG-PR 646	155.7	73.0	84.0	146.0	131.3	58.8	44.5	22.7	85.3	77.3	43.0	6.0	
APPLE 4SGL (PPG-PR 663)	150.7	69.7	64.0	132.7	151.3	60.3	29.5	3.8	102.7	75.0	51.0	2.3	
SLIDER SG (PPG-PR 602)	146.3	82.0	116.7	204.7	151.0	57.8	61.5	10.5	105.3	77.3	53.0	4.7	
DLF-PR-3735	173.7	77.3	64.7	164.3	120.8	43.8	33.0	5.3	75.7	53.7	60.0	3.3	
IGNITION (PPG-PR 647)	165.7	79.0	65.3	170.0	134.8	40.0	48.8	27.7	90.7	59.7	47.3	6.5	
STINGER (PST-2EGY)	158.0	82.7	84.7	156.7	138.3	58.5	54.8	32.3	90.7	65.7	53.3	4.5	
HOMERUN LS	159.3	77.3	65.7	151.0	152.8	43.8	18.0	5.7	95.7	72.3	31.7	3.5	
WICKED COOL (DLF-PR-3738)	172.7	82.3	98.7	186.0	128.0	62.0	70.3	6.0	56.7	73.7	84.0	3.5	
SUNDOWN (BY-PS2)	146.0	61.7	88.0	163.7	140.5	55.3	28.3	4.0	87.0	103.7	33.3	2.0	
PS4	166.0	80.3	89.7	155.3	145.3	62.0	75.8	25.0	88.0	79.0	82.0	8.0	
PST-2E6	163.0	68.3	32.7	104.0	146.0	54.0	23.3	7.0	93.7	89.3	46.0	1.0	
PPG-PR 666	165.0	76.7	109.0	193.3	133.5	60.5	60.5	42.0	84.7	82.0	57.3	5.0	
20PR10	167.0	79.0	87.0	124.7	153.3	74.5	38.5	3.3	96.3	110.0	30.7	1.0	
MRS-L-PR22	153.7	56.7	71.7	149.7	123.8	43.0	34.0	9.0	88.0	90.3	60.0	5.0	
STELLAR 4GL	150.0	62.7	79.3	151.3	137.0	50.3	44.5	20.5	85.3	77.7	58.7	3.0	
BSG-PR22	153.7	60.7	59.7	117.0	130.0	47.5	61.0	32.5	83.3	82.7	124.0	5.0	
KARMA	146.7	78.3	72.0	130.7	119.5	53.5	18.3	14.5	87.3	67.3	18.3	1.0	
LIGHTSPEED (PST-2DRG)	161.3	73.0	69.3	144.7	121.3	32.0	15.5	3.0	80.0	42.0	22.3	1.0	
PST-2BGL	143.0	64.3	55.3	129.0	111.5	41.5	25.5	4.0	72.0	69.7	50.7	1.0	
PPG-PR 610	153.0	79.3	78.0	145.7	146.0	58.8	65.0	13.3	94.0	77.7	104.0	4.5	
GO-RUS20	163.7	99.7	88.0	151.7	146.0	57.8	73.5	24.0	90.0	66.3	91.3	5.0	
LINN	195.3	77.7	109.3	148.0	182.0	63.3	21.5	7.5	87.7	74.7	13.7	3.0	
BAR LP 22191	138.0	67.7	46.0	107.7	140.5	56.5	24.8	20.5	106.0	83.3	45.3	2.0	
SEPR-2013	168.3	77.3	76.3	122.7	124.0	58.0	27.0	14.5	80.3	73.3	32.3	7.0	
CJFP1R	165.0	90.0	82.7	119.3	137.3	42.3	23.8	48.0	89.0	58.0	17.7	.	
LTP-RPP4	150.3	67.0	67.7	124.7	120.5	43.3	25.0	6.3	82.3	58.7	24.3	4.5	
PVF-RPP2	140.7	57.7	67.0	115.3	138.3	43.5	26.8	10.5	105.7	118.7	33.0	3.0	
BAR LP 22174	161.0	72.3	84.0	156.3	126.5	41.0	22.0	18.5	76.7	68.3	18.3	2.0	
DLF-PR-3737	139.0	75.3	77.0	176.7	130.0	55.0	35.3	8.5	93.3	74.0	37.7	1.0	
LSD VALUE	88.3	241.0	60.1	123.6	38.5	46.0	36.4	29.3	93.0	174.4	113.0	28.9	
C.V. (%)	14.2	71.5	29.2	27.8	15.3	31.9	47.5	74.9	22.0	50.0	69.4	86.8	

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

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

TABLE 14. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									
	CT1	IA1	IN1	IN2	MN1	NE1	ON1	OR1	QE1	MEAN
NEXUS DK (SE-DK)	7.0	8.7	6.7	7.7	7.3	8.0	8.0	8.3	7.7	7.7
MRSI-PR22	6.7	8.3	6.7	7.3	8.0	8.0	8.0	8.7	7.7	7.7
PROMINENT II (TSC-CRS)	7.0	8.3	6.7	7.7	7.0	8.0	8.0	8.0	7.7	7.6
BSG-PR22	7.0	8.0	6.3	8.0	6.7	7.7	7.7	8.3	7.7	7.5
DARK MATTER	6.7	8.0	6.7	8.0	6.3	8.0	8.0	8.0	7.3	7.4
DLF-PR-3735	7.0	8.0	7.0	6.7	7.3	7.3	8.0	8.7	7.0	7.4
GRAY EAGLE SLT (PST-2MEG)	7.0	8.0	6.3	6.7	6.7	8.0	8.0	8.3	7.3	7.4
PST-2HFM	7.0	8.0	6.3	7.0	6.7	7.7	7.7	8.7	7.3	7.4
SEPR-2013	7.0	8.3	6.0	8.0	5.3	7.7	8.0	8.7	7.0	7.3
PST-2SPF	6.7	8.0	6.3	7.0	6.0	8.0	8.0	8.7	7.0	7.3
PST-2BGL	7.0	8.0	6.3	7.0	6.3	7.3	7.7	8.3	7.3	7.3
ULTRA SPORT (PST-2HAF20)	7.0	8.0	5.7	6.7	5.7	8.0	7.7	8.7	7.0	7.1
PPG-PR 606	7.0	8.0	6.3	6.3	5.0	8.0	8.0	8.3	7.0	7.1
PPG-PR 646	6.0	8.3	6.3	6.7	6.0	8.0	7.3	8.0	7.0	7.1
FLIGHTLINE (PST-214)	6.7	8.3	6.3	6.7	5.7	6.3	7.3	8.7	7.7	7.1
PPG-PR 620	6.3	8.0	6.7	6.7	5.3	7.7	8.0	8.0	7.0	7.1
PPG-PR 670	7.0	8.0	6.3	6.7	5.3	7.3	7.3	8.0	7.3	7.0
RPP3	5.7	8.0	6.7	7.0	6.3	7.0	7.0	8.7	7.0	7.0
GREENBACK	6.7	8.0	6.0	7.0	6.0	7.0	7.7	7.7	7.0	7.0
PVF-RPP2	6.3	8.0	6.7	6.3	6.0	7.0	7.3	8.0	7.3	7.0
PPG-PR671	6.7	8.0	6.0	6.7	4.7	7.7	7.3	8.3	7.3	7.0
PPG-PR 664	6.3	8.0	6.0	6.7	4.7	7.7	7.7	8.7	7.0	7.0
PS4	6.3	8.0	6.0	6.7	5.0	7.7	7.7	8.3	7.0	7.0
PST-2E6	6.3	8.3	6.0	7.0	6.3	7.0	7.0	7.7	7.0	7.0
SLIDER SG (PPG-PR 602)	6.3	8.0	6.0	6.7	5.3	7.7	8.0	7.7	7.0	7.0
DLF-PR-3737	7.0	8.0	6.0	6.7	5.0	7.7	6.7	8.3	7.0	6.9
PERFORMANCE (NAI-PR5)	6.3	8.0	6.3	6.0	6.0	7.0	7.3	8.3	7.0	6.9
PPG-PR 661	6.3	8.0	6.0	6.7	5.0	8.0	7.3	8.0	7.0	6.9
PPG-PR 666	6.3	8.0	6.3	6.7	5.3	7.3	8.0	7.3	7.0	6.9
PST-2GDS	6.3	8.0	6.7	6.7	4.3	7.3	7.7	8.3	7.0	6.9
SUNDOWN (BY-PS2)	6.7	8.0	6.3	6.3	5.7	7.0	7.3	8.0	7.0	6.9
CJP1R	6.7	8.0	7.0	6.3	5.0	7.0	6.7	8.7	7.0	6.9
LTP-RPP4	6.7	8.0	6.3	6.3	5.0	7.3	7.7	8.0	7.0	6.9
APS	6.0	8.0	6.7	6.3	5.3	7.0	7.3	8.3	7.0	6.9
DLF-PR-3729	6.3	8.0	6.3	6.3	5.3	7.3	7.3	8.0	7.0	6.9
PPG-PR 610	6.0	8.0	6.3	6.7	5.0	8.0	7.0	8.0	7.0	6.9
PPG-PR 639	6.7	8.0	6.3	6.0	4.7	7.3	8.0	7.7	7.3	6.9
PST-2ADS	7.0	8.0	6.3	6.0	5.3	7.3	7.0	8.0	7.0	6.9
SGP4	6.3	8.0	7.0	6.3	4.3	7.0	8.0	8.0	7.0	6.9
IGNITION (PPG-PR 647)	6.3	8.0	6.3	6.3	6.3	6.7	7.0	8.0	7.0	6.9
STELLAR 4GL	6.3	8.0	6.3	6.0	5.3	7.0	7.3	8.3	7.0	6.9
FASTBALL 4GL (PPG-PR 658)	6.7	8.0	6.0	6.3	5.0	6.7	7.7	8.3	7.0	6.9
GO-RUS22	6.0	8.0	6.3	7.0	4.3	7.7	7.7	7.7	7.0	6.9
HIGH OCTANE	6.0	8.0	6.0	7.3	5.3	7.0	7.0	8.0	7.0	6.9
LTP-NR	6.3	8.3	6.7	6.3	5.7	7.0	6.7	7.7	7.0	6.9

TABLE 14.
(CONT'D)GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/										
NAME	CT1	IA1	IN1	IN2	MN1	NE1	ON1	OR1	QE1	MEAN
PPG-PR 662	6.7	8.0	5.7	6.7	5.0	8.0	7.0	7.7	7.0	6.9
SILETZ	6.0	8.0	6.3	6.7	5.0	7.0	7.7	8.0	7.0	6.9
WICKED COOL (DLF-PR-3738)	6.7	8.0	6.7	6.3	4.3	7.0	7.7	8.0	7.0	6.9
LIGHTSPEED (PST-2DRG)	6.7	8.0	5.3	7.0	5.3	7.0	7.3	7.7	7.0	6.8
PPG-PR 643	6.0	8.0	6.0	6.7	5.0	7.3	7.3	8.0	7.0	6.8
PISTON	6.3	8.0	6.3	6.3	5.0	7.3	7.0	8.0	7.0	6.8
HOMERUN G-LS (PPG-PR 644)	6.3	8.0	5.7	6.7	4.7	7.0	7.3	8.3	7.0	6.8
ALPHA CENTAURI	6.3	8.0	6.0	6.0	5.0	7.3	7.3	8.0	7.0	6.8
DLF-PR-3728	6.3	8.0	6.3	6.3	5.0	7.0	7.0	8.0	7.0	6.8
GRAND SLAM G-LS (PPG-PR 637)	6.7	8.0	6.3	6.3	4.7	7.0	7.3	7.7	7.0	6.8
PPG-PR 667	6.0	8.0	6.0	6.7	4.3	7.3	7.7	7.7	7.3	6.8
STINGER (PST-2EGY)	7.0	7.7	6.0	6.7	5.0	7.0	7.0	7.3	7.0	6.7
EXCEED (PPG-PR 668)	6.3	8.0	5.7	6.3	4.3	7.3	7.7	8.0	7.0	6.7
HOMERUN LS	6.3	8.0	5.7	7.0	5.0	6.7	7.3	7.7	7.0	6.7
PVF-SGS5	6.7	8.0	6.7	6.3	4.3	6.7	7.0	7.7	7.3	6.7
APPLE 4SGL (PPG-PR 663)	6.3	8.0	5.7	6.3	5.0	7.0	7.0	8.0	7.0	6.7
DLF-PR-3730	6.3	8.0	6.0	6.3	4.7	7.0	7.0	8.0	7.0	6.7
RC20-020	6.3	8.0	6.3	6.3	4.7	7.0	6.7	8.0	7.0	6.7
PST-2MES1	6.0	7.7	5.7	6.7	4.7	7.0	7.7	7.7	7.0	6.7
VORTEX SRT (PPG-PR 665)	6.7	8.0	6.3	6.0	4.7	7.0	6.7	7.7	7.0	6.7
PPG-PR 642	6.3	8.0	6.3	6.0	4.0	7.0	7.3	7.7	7.0	6.6
RELIC (PPG-PR 611)	6.0	8.0	6.0	6.0	4.0	7.3	7.7	7.7	7.0	6.6
KARMA	6.3	8.0	5.7	6.7	3.7	7.0	6.7	7.7	7.0	6.5
QUASAR	6.0	7.7	6.0	6.0	4.3	7.0	7.3	7.0	7.0	6.5
20PR10	6.7	7.7	5.7	6.0	4.3	7.0	6.3	7.3	7.0	6.4
GO-RUS21	6.3	7.7	6.0	6.0	3.7	6.3	6.7	7.7	7.3	6.4
BRIGHTSTAR SLT	6.3	8.0	5.0	6.3	4.0	7.0	6.3	7.3	7.0	6.4
DLF-PR-3727	6.7	8.0	5.7	5.7	3.3	7.0	7.0	7.0	7.0	6.4
DLF-PR-3726	6.3	8.0	5.3	5.7	4.3	7.0	6.7	6.7	7.0	6.3
BAR LP 22256	6.7	7.7	5.3	4.7	4.7	7.3	6.3	6.7	7.3	6.3
ASPIRATION (DLF-PR-3736)	6.3	7.7	5.3	6.0	2.7	7.0	7.0	6.7	7.0	6.2
GO-RUS20	6.0	7.7	5.7	5.7	3.3	6.7	7.0	6.7	7.0	6.2
DLF-LGT-3066	5.3	7.7	5.7	5.3	3.7	7.3	6.3	7.3	6.7	6.1
BAR LP 22191	6.0	7.7	5.0	5.3	3.0	7.0	6.3	6.7	7.3	6.0
BAR LP 22263	6.3	7.7	5.3	5.3	2.7	7.0	6.0	6.3	7.0	6.0
BAR LP 22262	5.7	8.0	4.3	4.7	3.0	6.0	6.3	6.3	7.0	5.7
BAR LP 22174	5.3	7.3	5.3	5.3	2.3	6.0	6.3	6.3	6.7	5.7
LINN	5.0	7.7	4.0	3.3	1.7	6.0	4.0	4.3	7.0	4.8
LSD VALUE	0.8	0.5	0.9	1.0	1.3	0.7	0.8	0.9	0.5	0.3
C.V. (%)	7.7	3.6	8.9	9.6	16.2	6.1	6.8	6.8	4.0	7.7

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

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

TABLE 15. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/							
NAME	CT1	IA1	NE1	OH1	ON1	QE1	MEAN
PISTON	6	7.7	6.7	6.7	7.7	6.0	6.8
DARK MATTER	6	8.0	6.7	6.3	8.0	5.7	6.8
PPG-PR 666	6	7.3	6.3	7.0	8.0	6.0	6.8
SEPR-2013	6	7.7	6.7	6.3	7.7	6.0	6.7
SILETZ	6	7.3	6.7	7.0	7.3	6.0	6.7
GO-RUS22	6	7.3	7.0	6.7	7.7	5.7	6.7
LTP-RPP4	6	7.3	6.3	6.3	7.7	6.7	6.7
NEXUS DK (SE-DK)	6	8.3	6.3	6.3	7.7	5.7	6.7
PPG-PR 664	6	7.3	7.0	6.7	7.7	5.7	6.7
APS	6	7.3	6.7	6.0	8.0	6.0	6.7
BAR LP 22174	6	6.7	7.0	7.3	7.0	6.0	6.7
DLF-LGT-3066	6	7.3	7.3	6.3	7.0	6.0	6.7
GREENBACK	6	8.0	6.7	6.0	7.3	6.0	6.7
KARMA	6	7.7	6.7	6.3	7.3	6.0	6.7
PERFORMANCE (NAI-PR5)	6	7.0	7.3	6.7	7.3	5.7	6.7
PPG-PR 643	6	7.0	7.0	6.7	7.3	6.0	6.7
PROMINENT II (TSC-CRS)	6	7.7	6.7	6.3	7.7	5.7	6.7
PVF-RPP2	6	7.0	6.7	6.3	8.0	6.0	6.7
WICKED COOL (DLF-PR-3738)	6	7.3	6.3	6.7	7.7	6.0	6.7
PST-2ADS	6	7.0	6.3	7.0	8.0	5.7	6.7
BSG-PR22	6	8.0	6.7	6.0	7.7	5.3	6.6
IGNITION (PPG-PR 647)	6	6.7	6.7	6.3	8.0	6.0	6.6
MRS�-PR22	6	8.0	7.0	6.0	7.3	5.3	6.6
PPG-PR 620	6	7.0	6.0	6.7	8.0	6.0	6.6
FASTBALL 4GL (PPG-PR 658)	6	7.3	6.3	6.3	7.7	6.0	6.6
PST-2BGL	6	7.3	6.0	6.3	8.0	6.0	6.6
PST-2HFM	6	7.7	6.0	6.7	7.7	5.7	6.6
QUASAR	6	7.0	6.3	7.0	8.0	5.3	6.6
ULTRA SPORT (PST-2HAF20)	6	7.7	6.3	6.0	7.7	6.0	6.6
APPLE 4SGL (PPG-PR 663)	6	7.7	6.3	6.7	7.0	5.7	6.6
CJP1R	6	7.0	6.7	6.0	7.3	6.3	6.6
GO-RUS21	6	7.3	6.7	6.7	6.7	6.0	6.6
LTP-NR	6	7.0	6.0	7.0	7.3	6.0	6.6
PPG-PR 667	6	7.7	6.7	6.0	7.0	6.0	6.6
PS4	6	7.0	6.0	6.7	7.7	6.0	6.6
DLF-PR-3730	6	8.0	6.3	6.3	7.7	5.0	6.6
DLF-PR-3735	6	7.3	6.7	6.3	7.0	6.0	6.6
GRAND SLAM G-LS (PPG-PR 637)	6	7.0	6.3	7.0	7.3	5.7	6.6
LIGHTSPEED (PST-2DRG)	6	7.3	6.3	6.0	7.7	6.0	6.6
PPG-PR 670	6	8.0	6.0	6.3	7.3	5.7	6.6
20PR10	6	6.7	6.0	7.0	7.3	6.0	6.5
DLF-PR-3729	6	7.0	6.7	6.0	7.3	6.0	6.5
DLF-PR-3737	6	7.3	6.0	6.3	7.3	6.0	6.5
HOMERUN LS	6	7.0	6.7	5.7	7.7	6.0	6.5
PPG-PR 642	6	7.3	6.0	6.7	7.3	5.7	6.5

TABLE 15. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2024 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/							
NAME	CT1	IA1	NE1	OH1	ON1	QE1	MEAN
ALPHA CENTAURI	6	7.7	6.3	6.3	7.0	5.7	6.5
ASPIRATION (DLF-PR-3736)	6	7.3	6.0	6.3	7.7	5.7	6.5
DLF-PR-3727	6	7.3	6.3	6.3	7.3	5.7	6.5
EXCEED (PPG-PR 668)	6	7.3	5.7	7.3	7.0	5.7	6.5
PPG-PR 606	6	7.3	6.0	6.3	7.7	5.7	6.5
PST-2E6	6	7.0	6.3	6.0	8.0	5.7	6.5
PVF-SGS5	6	7.3	6.0	6.3	7.7	5.7	6.5
SLIDER SG (PPG-PR 602)	6	7.3	6.0	6.3	7.7	5.7	6.5
VORTEX SRT (PPG-PR 665)	6	7.3	6.3	6.0	7.7	5.7	6.5
PST-2GDS	6	7.7	6.0	6.7	7.0	5.3	6.4
BAR LP 22191	6	7.3	6.3	6.3	7.0	5.7	6.4
BAR LP 22256	6	7.3	6.3	6.7	6.7	5.7	6.4
DLF-PR-3728	6	7.3	6.3	6.0	7.3	5.7	6.4
HIGH OCTANE	6	7.0	6.0	6.7	7.3	5.7	6.4
PPG-PR 639	6	7.3	6.7	6.3	7.0	5.3	6.4
PPG-PR 646	6	7.3	6.0	6.7	6.7	6.0	6.4
PPG-PR 661	6	7.0	6.3	6.0	7.7	5.7	6.4
PST-2MES1	6	7.7	5.7	6.3	7.3	5.7	6.4
RC20-020	6	7.7	6.3	6.3	7.0	5.3	6.4
STINGER (PST-2EGY)	6	7.7	6.3	6.3	7.0	5.3	6.4
SUNDOWN (BY-PS2)	6	7.0	6.0	6.0	8.0	5.7	6.4
BRIGHTSTAR SLT	6	7.0	5.7	6.3	7.0	6.3	6.4
HOMERUN G-LS (PPG-PR 644)	6	7.0	6.0	6.7	7.0	5.7	6.4
SGP4	6	7.7	5.7	6.3	6.7	6.0	6.4
PPG-PR 662	6	7.3	6.3	6.7	6.3	5.7	6.4
RELIC (PPG-PR 611)	6	7.3	5.7	6.0	7.7	5.7	6.4
BAR LP 22262	6	7.0	6.3	6.3	6.3	6.0	6.3
BAR LP 22263	6	7.0	6.3	5.7	7.3	5.7	6.3
DLF-PR-3726	6	7.3	6.0	6.7	6.7	5.3	6.3
GO-RUS20	6	7.0	5.7	6.0	7.3	6.0	6.3
GRAY EAGLE SLT (PST-2MEG)	6	7.0	6.0	6.3	7.3	5.3	6.3
STELLAR 4GL	6	7.0	5.7	6.3	7.0	6.0	6.3
FLIGHTLINE (PST-214)	6	7.3	6.7	5.3	7.0	5.7	6.3
RPP3	6	7.0	6.3	6.0	7.0	5.7	6.3
PPG-PR671	6	7.3	6.0	6.3	6.7	5.3	6.3
PPG-PR 610	6	7.0	6.7	6.3	7.0	4.7	6.3
PST-2SPF	6	7.0	5.7	5.0	7.7	5.7	6.2
LINN	6	6.7	6.0	3.0	6.0	5.7	5.6
LSD VALUE	0	0.8	1.1	0.9	1.0	0.9	0.4
C.V. (%)	0	7.2	10.8	8.8	8.8	9.8	8.4

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 16. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	IA1	NAME	IA1
GO-RUS20	7.7	PST-2ADS	5.0
DLF-PR-3729	7.3	SLIDER SG (PPG-PR 602)	5.0
PPG-PR 642	7.0	ULTRA SPORT (PST-2HAF20)	5.0
FASTBALL 4GL (PPG-PR 658)	6.7	ALPHA CENTAURI	4.7
GO-RUS21	6.7	BAR LP 22191	4.7
PPG-PR 606	6.7	BAR LP 22262	4.7
20PR10	6.3	DARK MATTER	4.7
HOMERUN LS	6.3	DLF-LGT-3066	4.7
PPG-PR 643	6.3	DLF-PR-3727	4.7
SILETZ	6.3	DLF-PR-3730	4.7
STELLAR 4GL	6.3	PPG-PR 661	4.7
VORTEX SRT (PPG-PR 665)	6.3	PPG-PR 662	4.7
APS	6.0	PROMINENT II (TSC-CRS)	4.7
EXCEED (PPG-PR 668)	6.0	PST-2MES1	4.7
LIGHTSPEED (PST-2DRG)	6.0	RELIC (PPG-PR 611)	4.7
PPG-PR 664	6.0	BAR LP 22263	4.3
PPG-PR 667	6.0	DLF-PR-3737	4.3
PS4	6.0	GRAND SLAM G-LS (PPG-PR 637)	4.3
PVF-RPP2	6.0	GRAY EAGLE SLT (PST-2MEG)	4.3
PVF-SGS5	6.0	MRSI-PR22	4.3
PPG-PR671	5.7	NEXUS DK (SE-DK)	4.3
GO-RUS22	5.7	PST-2SPF	4.3
HOMERUN G-LS (PPG-PR 644)	5.7	QUASAR	4.3
IGNITION (PPG-PR 647)	5.7	ASPIRATION (DLF-PR-3736)	4.0
PPG-PR 646	5.7	GREENBACK	4.0
PST-2BGL	5.7	KARMA	4.0
PST-2GDS	5.7	PPG-PR 670	4.0
SUNDOWN (BY-PS2)	5.7	RPP3	4.0
BAR LP 22256	5.3	STINGER (PST-2EGY)	4.0
BRIGHTSTAR SLT	5.3	BSG-PR22	3.7
CJP1R	5.3	PISTON	3.7
PPG-PR 610	5.3	PPG-PR 639	3.7
PPG-PR 620	5.3	PST-2HFM	3.7
RC20-020	5.3	BAR LP 22174	3.3
SGP4	5.3	PST-2E6	3.3
APPLE 4SGL (PPG-PR 663)	5.0	SEPR-2013	3.3
DLF-PR-3735	5.0	WICKED COOL (DLF-PR-3738)	3.3
FLIGHTLINE (PST-214)	5.0	DLF-PR-3726	3.0
HIGH OCTANE	5.0	DLF-PR-3728	3.0
LTP-NR	5.0	LINN	2.7
LTP-RPP4	5.0		
PERFORMANCE (NAI-PR5)	5.0	LSD VALUE	2.6
PPG-PR 666	5.0	C.V. (%)	31.8

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

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

TABLE 17.

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
NAME	CT1	IA1	MEAN	NAME	CT1	IA1	MEAN	
BAR LP 22174	6.0	7.3	6.7	PST-2BGL	6.3	5.0	5.7	
IGNITION (PPG-PR 647)	6.0	7.3	6.7	RELIC (PPG-PR 611)	6.3	5.0	5.7	
BAR LP 22191	6.3	6.7	6.5	WICKED COOL (DLF-PR-3738)	6.0	5.3	5.7	
DLF-PR-3726	6.7	6.3	6.5	APPLE 4SGL (PPG-PR 663)	6.0	5.0	5.5	
DLF-PR-3727	7.0	6.0	6.5	DLF-PR-3728	6.0	5.0	5.5	
PPG-PR 666	6.3	6.7	6.5	FLIGHTLINE (PST-214)	5.0	6.0	5.5	
FASTBALL 4GL (PPG-PR 658)	6.7	6.0	6.3	HIGH OCTANE	6.0	5.0	5.5	
PERFORMANCE (NAI-PR5)	6.0	6.7	6.3	PPG-PR 639	6.0	5.0	5.5	
RC20-020	6.0	6.7	6.3	EXCEED (PPG-PR 668)	6.0	4.7	5.3	
VORTEX SRT (PPG-PR 665)	6.3	6.3	6.3	GRAND SLAM G-LS (PPG-PR 637)	6.7	4.0	5.3	
DLF-PR-3735	5.7	6.7	6.2	KARMA	6.0	4.7	5.3	
LINN	5.3	7.0	6.2	LTP-RPP4	6.0	4.7	5.3	
PISTON	6.0	6.3	6.2	MRS-L-PR22	5.0	5.7	5.3	
PPG-PR 646	6.0	6.3	6.2	PPG-PR 620	6.0	4.7	5.3	
PS4	6.0	6.3	6.2	PPG-PR 643	6.0	4.7	5.3	
QUASAR	6.0	6.3	6.2	PROMINENT II (TSC-CRS)	5.7	5.0	5.3	
APS	6.0	6.0	6.0	STINGER (PST-2EGY)	6.0	4.7	5.3	
BAR LP 22263	6.0	6.0	6.0	DLF-PR-3730	6.3	4.3	5.3	
BRIGHTSTAR SLT	5.3	6.7	6.0	DLF-PR-3737	6.3	4.3	5.3	
PPG-PR671	7.0	5.0	6.0	SGP4	6.3	4.3	5.3	
GO-RUS22	5.7	6.3	6.0	SUNDOWN (BY-PS2)	6.3	4.3	5.3	
LTP-NR	6.0	6.0	6.0	20PR10	6.3	4.0	5.2	
PPG-PR 642	6.0	6.0	6.0	ALPHA CENTAURI	6.0	4.3	5.2	
PVF-SGS5	6.0	6.0	6.0	BAR LP 22256	5.3	5.0	5.2	
BSG-PR22	5.7	6.0	5.8	CJPLR	6.3	4.0	5.2	
DARK MATTER	5.7	6.0	5.8	LIGHTSPEED (PST-2DRG)	5.3	5.0	5.2	
DLF-PR-3729	6.0	5.7	5.8	NEXUS DK (SE-DK)	5.0	5.3	5.2	
GO-RUS21	6.7	5.0	5.8	PPG-PR 661	6.3	4.0	5.2	
HOMERUN G-LS (PPG-PR 644)	6.0	5.7	5.8	PPG-PR 662	5.7	4.3	5.0	
PPG-PR 606	6.0	5.7	5.8	PST-2MES1	5.7	4.3	5.0	
PST-2GDS	6.0	5.7	5.8	GREENBACK	5.0	4.7	4.8	
PST-2HFM	5.7	6.0	5.8	PST-2E6	6.0	3.7	4.8	
SLIDER SG (PPG-PR 602)	6.0	5.7	5.8	PVF-RPP2	6.0	3.7	4.8	
ULTRA SPORT (PST-2HAF20)	6.0	5.7	5.8	SEPR-2013	5.3	4.3	4.8	
BAR LP 22262	6.3	5.3	5.8	SILETZ	6.0	3.7	4.8	
HOMERUN LS	6.3	5.3	5.8	ASPIRATION (DLF-PR-3736)	6.0	3.3	4.7	
PPG-PR 670	6.3	5.3	5.8	PPG-PR 664	6.0	3.3	4.7	
GRAY EAGLE SLT (PST-2MEG)	5.7	5.7	5.7	STELLAR 4GL	6.3	3.0	4.7	
PST-2SPF	5.7	5.7	5.7	PPG-PR 667	6.0	3.0	4.5	
DLF-LGT-3066	6.0	5.3	5.7	RPP3	5.7	3.3	4.5	
GO-RUS20	6.3	5.0	5.7					
PPG-PR 610	6.0	5.3	5.7	LSD VALUE	0.7	2.4	1.3	
PST-2ADS	6.3	5.0	5.7	C.V. (%)	7.2	29.0	19.9	

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

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

TABLE 18.

FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/					
NAME	CT1	IA1	IN1	IN2	MEAN
SGP4	7.0	4.7	7.0	6.3	6.3
SILETZ	7.3	4.7	7.0	6.0	6.3
ALPHA CENTAURI	7.0	6.0	6.0	5.7	6.2
DLF-PR-3729	6.7	5.0	7.0	6.0	6.2
PISTON	7.0	5.0	7.0	5.7	6.2
PPG-PR 670	7.0	4.7	6.7	6.3	6.2
STELLAR 4GL	6.7	5.0	6.3	6.7	6.2
WICKED COOL (DLF-PR-3738)	7.0	4.3	7.0	6.3	6.2
APS	6.7	4.3	7.0	6.3	6.1
DLF-PR-3728	6.3	4.7	7.0	6.3	6.1
DLF-PR-3730	7.0	4.3	6.7	6.3	6.1
QUASAR	7.0	4.3	7.0	6.0	6.1
PPG-PR 664	6.7	4.7	6.0	6.7	6.0
DLF-PR-3727	7.0	4.3	6.3	6.3	6.0
APPLE 4SGL (PPG-PR 663)	7.0	4.7	6.3	5.7	5.9
CJP1R	7.0	4.7	6.7	5.3	5.9
DARK MATTER	6.0	6.7	5.3	5.7	5.9
DLF-PR-3735	6.7	4.7	7.3	5.0	5.9
PPG-PR671	7.0	5.0	6.0	5.7	5.9
IGNITION (PPG-PR 647)	6.7	4.3	6.7	6.0	5.9
STINGER (PST-2EGY)	6.7	5.0	5.7	6.3	5.9
GRAND SLAM G-LS (PPG-PR 637)	7.0	4.3	6.3	6.0	5.9
BAR LP 22174	6.7	4.3	6.7	5.7	5.8
HIGH OCTANE	6.7	4.7	6.0	6.0	5.8
PPG-PR 661	7.0	4.7	6.0	5.7	5.8
PST-2BGL	6.3	4.7	5.7	6.7	5.8
DLF-PR-3726	7.0	4.3	5.7	6.3	5.8
PPG-PR 642	6.7	4.3	6.3	6.0	5.8
PPG-PR 646	7.0	4.3	6.7	5.3	5.8
PST-2HFM	6.3	5.0	6.0	6.0	5.8
PST-2MES1	6.3	5.3	6.0	5.7	5.8
SUNDOWN (BY-PS2)	6.7	4.7	5.7	6.3	5.8
PVF-SGS5	6.7	4.7	6.0	5.7	5.8
ASPIRATION (DLF-PR-3736)	6.7	4.7	6.3	5.3	5.8
FASTBALL 4GL (PPG-PR 658)	7.0	4.0	6.0	6.0	5.8
LTP-NR	6.3	4.0	6.7	6.0	5.8
LTP-RPP4	7.0	4.3	5.7	6.0	5.8
RC20-020	6.0	6.3	5.0	5.7	5.8
PS4	6.3	5.0	6.3	5.3	5.8
GO-RUS21	6.3	4.7	6.0	5.7	5.7
PPG-PR 662	6.7	4.7	5.7	5.7	5.7
PST-2ADS	7.0	4.0	6.0	5.7	5.7
VORTEX SRT (PPG-PR 665)	7.0	4.3	5.7	5.7	5.7
HOMERUN G-LS (PPG-PR 644)	6.7	4.3	6.3	5.3	5.7
PPG-PR 639	7.0	4.3	6.0	5.3	5.7

TABLE 18.
(CONT'D)

FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/					
NAME	CT1	IA1	IN1	IN2	MEAN
PPG-PR 666	7.0	4.3	6.0	5.3	5.7
PPG-PR 667	6.7	4.3	6.3	5.3	5.7
PVF-RPP2	6.3	4.7	6.3	5.3	5.7
SLIDER SG (PPG-PR 602)	6.3	4.3	6.0	6.0	5.7
EXCEED (PPG-PR 668)	7.0	4.0	5.7	5.7	5.6
GO-RUS20	6.3	5.7	4.7	5.7	5.6
HOMERUN LS	6.7	4.7	5.3	5.7	5.6
PPG-PR 643	6.7	4.3	5.7	5.7	5.6
PERFORMANCE (NAI-PR5)	6.7	4.3	6.0	5.3	5.6
PST-2GDS	6.7	4.3	5.3	6.0	5.6
RPP3	6.3	4.3	6.3	5.3	5.6
ULTRA SPORT (PST-2HAF20)	6.3	4.7	5.3	6.0	5.6
RELIC (PPG-PR 611)	6.7	4.0	5.7	5.7	5.5
DLF-PR-3737	6.7	4.0	6.0	5.3	5.5
KARMA	6.0	4.7	6.0	5.3	5.5
PPG-PR 610	6.7	4.3	5.0	6.0	5.5
FLIGHTLINE (PST-214)	6.0	4.3	5.3	6.3	5.5
20PR10	6.7	4.3	5.7	5.0	5.4
BSG-PR22	6.0	5.7	5.0	5.0	5.4
GRAY EAGLE SLT (PST-2MEG)	6.0	4.3	6.0	5.3	5.4
PPG-PR 620	6.0	4.3	5.7	5.3	5.3
BAR LP 22191	6.3	4.7	4.7	5.3	5.3
PPG-PR 606	6.0	4.3	5.0	5.7	5.3
PST-2E6	6.0	4.3	5.7	5.0	5.3
DLF-LGT-3066	6.0	4.0	6.0	4.7	5.2
BAR LP 22256	6.0	4.3	5.3	5.0	5.2
GO-RUS22	6.0	4.3	5.0	5.3	5.2
LIGHTSPEED (PST-2DRG)	5.7	4.3	4.7	5.7	5.1
NEXUS DK (SE-DK)	6.0	4.7	5.0	4.7	5.1
PROMINENT II (TSC-CRS)	5.7	4.7	5.3	4.7	5.1
SEPR-2013	5.7	5.0	4.7	5.0	5.1
BAR LP 22263	6.3	4.0	5.7	4.3	5.1
GREENBACK	6.0	6.0	3.3	4.7	5.0
MRSI-PR22	5.7	5.0	4.7	4.3	4.9
PST-2SPF	6.3	4.0	4.3	5.0	4.9
BAR LP 22262	6.7	4.0	4.0	4.0	4.7
BRIGHTSTAR SLT	6.0	3.3	4.3	5.0	4.7
LINN	5.7	4.3	4.7	3.7	4.6
LSD VALUE	0.8	1.4	1.6	1.3	0.6
C.V. (%)	7.2	19.0	17.0	14.0	14.2

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

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

TABLE 19. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/			
NAME	IA1	NAME	IA1
GRAY EAGLE SLT (PST-2MEG)	82.0	PPG-PR 643	70.3
PST-2HFM	81.3	RC20-020	70.3
RELIC (PPG-PR 611)	81.3	BSG-PR22	70.0
ULTRA SPORT (PST-2HAF20)	80.7	DLF-PR-3729	70.0
LTP-NR	80.0	PS4	69.0
PPG-PR 642	80.0	PST-2BGL	69.0
PISTON	79.7	WICKED COOL (DLF-PR-3738)	69.0
PERFORMANCE (NAI-PR5)	79.0	GO-RUS22	68.3
PST-2SPF	79.0	GRAND SLAM G-LS (PPG-PR 637)	68.0
IGNITION (PPG-PR 647)	78.3	EXCEED (PPG-PR 668)	67.3
SUNDOWN (BY-PS2)	78.0	PPG-PR 610	67.0
HOMERUN LS	77.3	GO-RUS21	66.7
PST-2E6	77.3	PST-2GDS	66.7
SLIDER SG (PPG-PR 602)	76.7	DLF-PR-3730	66.3
BAR LP 22262	76.3	PPG-PR 639	66.3
PPG-PR 620	76.0	SGP4	66.3
PST-2ADS	76.0	BAR LP 22256	66.0
PVF-RPP2	75.0	HIGH OCTANE	66.0
FLIGHTLINE (PST-214)	74.3	PPG-PR 666	65.7
PPG-PR 606	74.3	BAR LP 22263	65.3
VORTEX SRT (PPG-PR 665)	74.3	GO-RUS20	65.3
HOMERUN G-LS (PPG-PR 644)	74.0	DLF-PR-3727	64.7
LIGHTSPEED (PST-2DRG)	74.0	PPG-PR 661	64.7
FASTBALL 4GL (PPG-PR 658)	73.3	PPG-PR 667	64.3
BAR LP 22174	73.0	ASPIRATION (DLF-PR-3736)	64.0
PPG-PR671	73.0	STELLAR 4GL	64.0
APS	72.7	MRSI-PR22	63.3
PPG-PR 670	72.7	DLF-PR-3735	63.0
PROMINENT II (TSC-CRS)	72.7	BAR LP 22191	62.0
APPLE 4SGL (PPG-PR 663)	72.3	GREENBACK	62.0
PPG-PR 664	72.3	QUASAR	60.7
PST-2MES1	72.3	DLF-PR-3726	60.3
PVF-SGS5	72.3	ALPHA CENTAURI	60.0
DLF-LGT-3066	72.0	DLF-PR-3728	60.0
SILETZ	72.0	DLF-PR-3737	60.0
BRIGHTSTAR SLT	71.7	SEPR-2013	60.0
CJPIR	71.7	DARK MATTER	59.7
STINGER (PST-2EGY)	71.3	NEXUS DK (SE-DK)	58.7
20PR10	71.0	LINN	57.3
PPG-PR 646	71.0	KARMA	53.0
PPG-PR 662	71.0		
RPP3	71.0	LSD VALUE	18.3
LTP-RPP4	70.7	C.V. (%)	16.3

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

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

TABLE 20. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/			
NAME	IA1	NAME	IA1
PPG-PR 620	45.7	PPG-PR 664	36.7
DLF-LGT-3066	43.7	RC20-020	36.7
20PR10	42.7	VORTEX SRT (PPG-PR 665)	36.7
ASPIRATION (DLF-PR-3736)	42.7	SLIDER SG (PPG-PR 602)	36.3
CJPIR	42.3	BAR LP 22262	36.0
GRAND SLAM G-LS (PPG-PR 637)	42.3	GO-RUS22	36.0
PST-2ADS	42.0	PS4	36.0
GO-RUS21	41.7	PST-2GDS	35.7
QUASAR	41.3	GRAY EAGLE SLT (PST-2MEG)	35.3
PST-2E6	41.0	LIGHTSPEED (PST-2DRG)	35.3
PVF-SGS5	40.7	FLIGHTLINE (PST-214)	34.7
WICKED COOL (DLF-PR-3738)	40.7	GO-RUS20	34.7
DLF-PR-3726	40.3	PPG-PR 666	34.7
HOMERUN LS	40.0	PPG-PR 670	34.7
PPG-PR 662	40.0	BAR LP 22256	33.3
SUNDOWN (BY-PS2)	40.0	PPG-PR 646	33.3
BRIGHTSTAR SLT	39.7	PPG-PR 667	33.3
RELIC (PPG-PR 611)	39.7	PVF-RPP2	33.3
SILETZ	39.7	ALPHA CENTAURI	33.0
APPLE 4SGL (PPG-PR 663)	39.3	PST-2MES1	33.0
RPP3	39.3	STINGER (PST-2EGY)	33.0
DLF-PR-3729	39.0	BAR LP 22174	32.7
DLF-PR-3730	39.0	KARMA	32.7
HOMERUN G-LS (PPG-PR 644)	39.0	PPG-PR 606	32.7
PPG-PR671	38.7	BAR LP 22263	32.0
FASTBALL 4GL (PPG-PR 658)	38.7	DLF-PR-3737	32.0
PST-2BGL	38.7	STELLAR 4GL	31.3
DLF-PR-3735	38.0	PST-2SPF	31.0
PISTON	38.0	SEPR-2013	31.0
PPG-PR 610	38.0	BAR LP 22191	30.7
DLF-PR-3727	37.7	LINN	30.7
HIGH OCTANE	37.7	ULTRA SPORT (PST-2HAF20)	30.3
LTP-RPP4	37.7	PPG-PR 661	29.7
DLF-PR-3728	37.3	MRS-L-PR22	27.3
EXCEED (PPG-PR 668)	37.3	DARK MATTER	26.3
IGNITION (PPG-PR 647)	37.3	PST-2HFM	26.3
LTP-NR	37.3	PROMINENT II (TSC-CRS)	26.0
SGP4	37.3	GREENBACK	24.3
APS	37.0	NEXUS DK (SE-DK)	24.0
PERFORMANCE (NAI-PR5)	37.0	BSG-PR22	23.7
PPG-PR 642	37.0		
PPG-PR 639	36.7	LSD VALUE	9.1
PPG-PR 643	36.7	C.V. (%)	15.7

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

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

TABLE 21.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/				
NAME	IA1	MN1	OH1	MEAN
DLF-PR-3735	62.0	82.7	93.0	79.2
WICKED COOL (DLF-PR-3738)	64.3	76.7	90.0	77.0
HIGH OCTANE	58.0	79.7	90.0	75.9
HOMERUN G-LS (PPG-PR 644)	60.3	78.7	86.7	75.2
LTP-NR	56.7	75.7	89.7	74.0
SILETZ	56.3	80.3	83.3	73.3
IGNITION (PPG-PR 647)	56.0	79.7	83.3	73.0
PST-2BGL	56.0	76.7	86.3	73.0
20PR10	60.7	74.7	83.3	72.9
GRAY EAGLE SLT (PST-2MEG)	62.7	76.0	80.0	72.9
RPP3	44.7	83.7	90.0	72.8
DLF-PR-3726	57.3	73.3	86.7	72.4
PPG-PR 662	57.3	72.3	86.3	72.0
PPG-PR 643	63.3	79.0	73.3	71.9
APS	54.3	78.3	83.0	71.9
PPG-PR 666	58.0	74.3	83.3	71.9
GO-RUS21	58.0	74.3	83.0	71.8
PPG-PR 620	56.3	78.7	80.0	71.7
PVF-RPP2	54.7	77.3	83.0	71.7
PST-2MES1	61.7	72.7	80.0	71.4
PERFORMANCE (NAI-PR5)	57.0	77.0	79.7	71.2
GRAND SLAM G-LS (PPG-PR 637)	58.3	75.0	80.0	71.1
DLF-LGT-3066	59.3	74.3	79.7	71.1
DLF-PR-3729	58.3	78.3	76.7	71.1
PPG-PR 610	63.7	72.3	76.7	70.9
FASTBALL 4GL (PPG-PR 658)	55.7	76.7	80.0	70.8
PISTON	52.0	77.3	83.0	70.8
BAR LP 22191	63.3	71.7	76.7	70.6
STELLAR 4GL	53.3	75.0	83.3	70.6
CJP1R	52.0	79.3	80.0	70.4
SGP4	50.0	77.0	83.3	70.1
PPG-PR 664	48.7	71.0	90.0	69.9
DLF-PR-3730	48.7	74.0	86.3	69.7
PPG-PR 667	60.7	68.3	80.0	69.7
PST-2ADS	54.7	77.7	76.7	69.7
SLIDER SG (PPG-PR 602)	54.0	75.0	80.0	69.7
PPG-PR 646	55.3	80.0	73.3	69.6
PPG-PR 642	51.0	77.3	80.0	69.4
ALPHA CENTAURI	57.7	70.7	79.7	69.3
PVF-SGS5	42.3	76.0	89.7	69.3
ULTRA SPORT (PST-2HAF20)	57.3	74.0	76.7	69.3
PPG-PR 661	55.0	72.7	80.0	69.2
MRS1-PR22	64.0	76.7	66.7	69.1
QUASAR	51.0	76.7	79.7	69.1
PPG-PR 670	57.3	73.0	76.7	69.0
PS4	61.0	72.7	73.3	69.0

TABLE 21.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/				
NAME	IA1	MN1	OH1	MEAN
PST-2E6	53.7	80.0	73.3	69.0
PST-2GDS	52.3	71.0	83.3	68.9
PPG-PR 606	58.7	75.0	73.0	68.9
RC20-020	57.0	75.7	73.3	68.7
PST-2HFM	51.7	77.0	76.7	68.4
APPLE 4SGL (PPG-PR 663)	54.7	73.7	76.7	68.3
SUNDOWN (BY-PS2)	53.0	77.3	73.3	67.9
DLF-PR-3728	50.0	79.7	73.3	67.7
HOMERUN LS	59.3	73.3	70.0	67.6
ASPIRATION (DLF-PR-3736)	55.7	69.7	76.7	67.3
DLF-PR-3727	56.7	68.3	76.7	67.2
EXCEED (PPG-PR 668)	51.0	74.0	76.7	67.2
BAR LP 22256	60.0	72.7	66.7	66.4
FLIGHTLINE (PST-214)	60.3	72.3	66.7	66.4
STINGER (PST-2EGY)	49.7	79.0	70.0	66.2
LIGHTSPEED (PST-2DRG)	58.3	73.0	66.7	66.0
NEXUS DK (SE-DK)	55.0	72.0	70.0	65.7
PPG-PR 639	53.7	70.0	73.3	65.7
BAR LP 22262	53.3	69.7	73.3	65.4
GO-RUS20	58.3	71.3	66.7	65.4
BRIGHTSTAR SLT	57.3	68.7	70.0	65.3
VORTEX SRT (PPG-PR 665)	51.0	71.7	73.3	65.3
BSG-PR22	57.7	70.0	66.7	64.8
GO-RUS22	53.7	72.7	66.7	64.3
DLF-PR-3737	52.0	72.3	66.7	63.7
PST-2SPF	51.3	76.0	63.3	63.6
DARK MATTER	50.7	70.0	70.0	63.6
GREENBACK	57.0	69.0	63.3	63.1
SEPR-2013	62.0	64.0	63.3	63.1
RELIC (PPG-PR 611)	52.0	67.3	70.0	63.1
LTP-RPP4	53.3	78.3	56.7	62.8
KARMA	53.0	69.7	63.3	62.0
BAR LP 22174	53.7	70.7	60.0	61.4
LINN	53.7	70.3	60.0	61.3
PPG-PR671	45.7	68.0	70.0	61.2
PROMINENT II (TSC-CRS)	53.3	71.3	56.7	60.4
BAR LP 22263	50.0	64.0	63.3	59.1
LSD VALUE	17.0	5.2	18.3	8.5
C.V. (%)	19.1	4.4	15.0	13.4

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

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

TABLE 22. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/			
NAME	IN1	NAME	IN1
PERFORMANCE (NAI-PR5)	7.7	PST-2ADS	5.7
SGP4	7.7	PVF-SGS5	5.7
CJP1R	7.3	RC20-020	5.7
SILETZ	7.3	RELIC (PPG-PR 611)	5.7
WICKED COOL (DLF-PR-3738)	7.3	RPP3	5.7
DLF-PR-3726	7.0	SEPR-2013	5.7
IGNITION (PPG-PR 647)	7.0	STELLAR 4GL	5.7
PPG-PR 642	7.0	ULTRA SPORT (PST-2HAF20)	5.7
SUNDOWN (BY-PS2)	7.0	APS	5.3
ALPHA CENTAURI	6.7	BAR LP 22262	5.3
ASPIRATION (DLF-PR-3736)	6.7	DLF-PR-3730	5.3
DLF-PR-3728	6.7	FLIGHTLINE (PST-214)	5.3
GRAY EAGLE SLT (PST-2MEG)	6.7	HOMERUN G-LS (PPG-PR 644)	5.3
HIGH OCTANE	6.7	HOMERUN LS	5.3
PPG-PR 610	6.7	LIGHTSPEED (PST-2DRG)	5.3
PPG-PR 643	6.7	PPG-PR 639	5.3
PPG-PR 646	6.7	PPG-PR 662	5.3
STINGER (PST-2EGY)	6.7	APPLE 4SGL (PPG-PR 663)	5.0
VORTEX SRT (PPG-PR 665)	6.7	BAR LP 22191	5.0
DLF-PR-3737	6.3	BAR LP 22256	5.0
FASTBALL 4GL (PPG-PR 658)	6.3	BAR LP 22263	5.0
LTP-NR	6.3	DARK MATTER	5.0
LTP-RPP4	6.3	EXCEED (PPG-PR 668)	5.0
PPG-PR 606	6.3	GO-RUS22	5.0
DLF-LGT-3066	6.0	KARMA	5.0
DLF-PR-3735	6.0	PISTON	5.0
GO-RUS21	6.0	PPG-PR 666	5.0
GRAND SLAM G-LS (PPG-PR 637)	6.0	PST-2MES1	5.0
MRS1-PR22	6.0	PVF-RPP2	5.0
PPG-PR 620	6.0	GO-RUS20	4.7
PPG-PR 661	6.0	PROMINENT II (TSC-CRS)	4.7
PST-2BGL	6.0	PST-2GDS	4.7
PST-2E6	6.0	PST-2HFM	4.7
QUASAR	6.0	PST-2SPF	4.7
20PR10	5.7	SLIDER SG (PPG-PR 602)	4.7
DLF-PR-3727	5.7	BSG-PR22	4.3
DLF-PR-3729	5.7	GREENBACK	4.3
PPG-PR671	5.7	BAR LP 22174	4.0
NEXUS DK (SE-DK)	5.7	BRIGHTSTAR SLT	4.0
PPG-PR 664	5.7	LINN	4.0
PPG-PR 667	5.7		
PPG-PR 670	5.7	LSD VALUE	1.9
PS4	5.7	C.V. (%)	20.3

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

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

TABLE 23.

CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

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

NAME	MN1	NAME	MN1
PST-2SPF	7.3	PPG-PR 606	4.7
DLF-PR-3728	7.0	PST-2BGL	4.7
DLF-PR-3735	7.0	PST-2GDS	4.7
IGNITION (PPG-PR 647)	7.0	PST-2MES1	4.7
PPG-PR 643	7.0	SLIDER SG (PPG-PR 602)	4.7
RPP3	7.0	STELLAR 4GL	4.7
APS	6.7	ULTRA SPORT (PST-2HAF20)	4.7
CJPIR	6.7	APPLE 4SGL (PPG-PR 663)	4.3
HIGH OCTANE	6.7	BSG-PR22	4.3
LTP-RPP4	6.7	EXCEED (PPG-PR 668)	4.3
PISTON	6.7	GO-RUS21	4.3
PPG-PR 646	6.3	GO-RUS22	4.3
PVF-RPP2	6.3	LIGHTSPEED (PST-2DRG)	4.3
DLF-PR-3729	6.0	MRSI-PR22	4.3
GRAND SLAM G-LS (PPG-PR 637)	6.0	NEXUS DK (SE-DK)	4.3
HOMERUN G-LS (PPG-PR 644)	6.0	PPG-PR 610	4.3
PPG-PR 642	6.0	PPG-PR 661	4.3
PST-2HFM	6.0	PPG-PR 664	4.3
SUNDOWN (BY-PS2)	6.0	PROMINENT II (TSC-CRS)	4.3
20PR10	5.7	RC20-020	4.3
LTP-NR	5.7	RELIC (PPG-PR 611)	4.3
PPG-PR 620	5.7	VORTEX SRT (PPG-PR 665)	4.3
PST-2E6	5.7	ALPHA CENTAURI	4.0
SGP4	5.7	ASPIRATION (DLF-PR-3736)	4.0
SILETZ	5.7	BAR LP 22256	4.0
PVF-SGS5	5.3	BAR LP 22263	4.0
QUASAR	5.3	DARK MATTER	4.0
DLF-PR-3730	5.0	PPG-PR671	4.0
FLIGHTLINE (PST-214)	5.0	GREENBACK	4.0
GRAY EAGLE SLT (PST-2MEG)	5.0	PPG-PR 662	4.0
PERFORMANCE (NAI-PR5)	5.0	PPG-PR 667	4.0
PPG-PR 639	5.0	KARMA	3.7
PPG-PR 666	5.0	SEPR-2013	3.7
PPG-PR 670	5.0	BAR LP 22174	3.3
PS4	5.0	BRIGHTSTAR SLT	3.3
PST-2ADS	5.0	DLF-PR-3727	3.3
STINGER (PST-2EGY)	5.0	DLF-PR-3737	3.3
WICKED COOL (DLF-PR-3738)	5.0	LINN	3.3
DLF-LGT-3066	4.7	BAR LP 22191	3.0
DLF-PR-3726	4.7	BAR LP 22262	3.0
FASTBALL 4GL (PPG-PR 658)	4.7		
GO-RUS20	4.7	LSD VALUE	1.0
HOMERUN LS	4.7	C.V. (%)	12.1

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

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

TABLE 24.

FALL COLOR (SEPTEMBER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

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

NAME	CT1	NAME	CT1
APPLE 4SGL (PPG-PR 663)	7.0	PPG-PR 643	6.7
BSG-PR22	7.0	PPG-PR 661	6.7
DARK MATTER	7.0	PPG-PR 664	6.7
DLF-PR-3726	7.0	PPG-PR 666	6.7
DLF-PR-3728	7.0	PS4	6.7
DLF-PR-3735	7.0	PST-2ADS	6.7
EXCEED (PPG-PR 668)	7.0	PST-2BGL	6.7
FLIGHTLINE (PST-214)	7.0	RC20-020	6.7
GRAND SLAM G-LS (PPG-PR 637)	7.0	RELIC (PPG-PR 611)	6.7
HOMERUN G-LS (PPG-PR 644)	7.0	SLIDER SG (PPG-PR 602)	6.7
LIGHTSPEED (PST-2DRG)	7.0	WICKED COOL (DLF-PR-3738)	6.7
MRSI-PR22	7.0	20PR10	6.3
NEXUS DK (SE-DK)	7.0	CJP1R	6.3
PISTON	7.0	DLF-PR-3727	6.3
PPG-PR 610	7.0	DLF-PR-3730	6.3
PPG-PR 620	7.0	GO-RUS21	6.3
PPG-PR 646	7.0	LTP-RPP4	6.3
PPG-PR 670	7.0	PPG-PR 642	6.3
PROMINENT II (TSC-CRS)	7.0	PST-2E6	6.3
PST-2HFM	7.0	PST-2GDS	6.3
PST-2SPF	7.0	PST-2MES1	6.3
PVF-RPP2	7.0	PVF-SGS5	6.3
SGP4	7.0	QUASAR	6.3
SILETZ	7.0	RPP3	6.3
STELLAR 4GL	7.0	STINGER (PST-2EGY)	6.3
SUNDOWN (BY-PS2)	7.0	ASPIRATION (DLF-PR-3736)	6.0
ULTRA SPORT (PST-2HAF20)	7.0	GO-RUS20	6.0
VORTEX SRT (PPG-PR 665)	7.0	GO-RUS22	6.0
ALPHA CENTAURI	6.7	KARMA	6.0
APS	6.7	PPG-PR 662	6.0
DLF-PR-3729	6.7	PPG-PR 667	6.0
DLF-PR-3737	6.7	SEPR-2013	6.0
PPG-PR671	6.7	BAR LP 22174	5.7
FASTBALL 4GL (PPG-PR 658)	6.7	BAR LP 22263	5.7
GRAY EAGLE SLT (PST-2MEG)	6.7	BRIGHTSTAR SLT	5.7
GREENBACK	6.7	DLF-LGT-3066	5.7
HIGH OCTANE	6.7	BAR LP 22256	5.3
HOMERUN LS	6.7	BAR LP 22191	5.0
IGNITION (PPG-PR 647)	6.7	BAR LP 22262	5.0
LTP-NR	6.7	LINN	5.0
PERFORMANCE (NAI-PR5)	6.7		
PPG-PR 606	6.7	LSD VALUE	0.7
PPG-PR 639	6.7	C.V. (%)	6.5

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 25.

SEEDHEAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/			
NAME	IN1	NAME	IN1
ASPIRATION (DLF-PR-3736)	7.7	PVF-RPP2	6.0
DLF-PR-3726	7.7	QUASAR	6.0
ALPHA CENTAURI	7.3	SUNDOWN (BY-PS2)	6.0
DLF-LGT-3066	7.3	APS	5.7
DLF-PR-3727	7.0	DLF-PR-3737	5.7
PPG-PR 662	7.0	FLIGHTLINE (PST-214)	5.7
PPG-PR 666	7.0	GO-RUS20	5.7
PPG-PR 670	7.0	IGNITION (PPG-PR 647)	5.7
SGP4	7.0	LIGHTSPEED (PST-2DRG)	5.7
WICKED COOL (DLF-PR-3738)	7.0	LTP-RPP4	5.7
BAR LP 22263	6.7	MRSI-PR22	5.7
DLF-PR-3728	6.7	PPG-PR 620	5.7
PPG-PR671	6.7	PPG-PR 646	5.7
PPG-PR 606	6.7	PPG-PR 661	5.7
ULTRA SPORT (PST-2HAF20)	6.7	PS4	5.7
20PR10	6.3	PST-2ADS	5.7
APPLE 4SGL (PPG-PR 663)	6.3	PST-2BGL	5.7
BAR LP 22191	6.3	PST-2E6	5.7
DLF-PR-3729	6.3	PST-2GDS	5.7
DLF-PR-3735	6.3	PST-2HFM	5.7
EXCEED (PPG-PR 668)	6.3	PVF-SGS5	5.7
FASTBALL 4GL (PPG-PR 658)	6.3	RC20-020	5.7
GO-RUS21	6.3	STELLAR 4GL	5.7
GRAND SLAM G-LS (PPG-PR 637)	6.3	BRIGHTSTAR SLT	5.3
LTP-NR	6.3	HIGH OCTANE	5.3
PPG-PR 610	6.3	HOMERUN G-LS (PPG-PR 644)	5.3
PPG-PR 639	6.3	RELIC (PPG-PR 611)	5.3
PPG-PR 642	6.3	DARK MATTER	5.0
PPG-PR 643	6.3	GO-RUS22	5.0
PPG-PR 667	6.3	HOMERUN LS	5.0
SILETZ	6.3	BSG-PR22	4.7
SLIDER SG (PPG-PR 602)	6.3	KARMA	4.7
STINGER (PST-2EGY)	6.3	RPP3	4.7
VORTEX SRT (PPG-PR 665)	6.3	BAR LP 22256	4.3
BAR LP 22174	6.0	GREENBACK	4.3
BAR LP 22262	6.0	NEXUS DK (SE-DK)	4.3
CJP1R	6.0	LINN	4.0
DLF-PR-3730	6.0	PERFORMANCE (NAI-PR5)	4.0
GRAY EAGLE SLT (PST-2MEG)	6.0	PROMINENT II (TSC-CRS)	4.0
PISTON	6.0	SEPR-2013	4.0
PPG-PR 664	6.0		
PST-2MES1	6.0	LSD VALUE	1.1
PST-2SPF	6.0	C.V. (%)	11.9

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

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

TABLE 26.

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	IN1	IN2	MEAN
BAR LP 22174	6.0	5.7	5.8
EXCEED (PPG-PR 668)	6.0	5.7	5.8
PPG-PR 670	6.3	5.3	5.8
ALPHA CENTAURI	5.7	5.7	5.7
APS	6.7	4.7	5.7
DLF-PR-3726	6.0	5.3	5.7
DLF-PR-3728	6.0	5.3	5.7
20PR10	6.0	5.0	5.5
ASPIRATION (DLF-PR-3736)	6.0	5.0	5.5
BAR LP 22191	5.7	5.3	5.5
DLF-PR-3729	5.7	5.3	5.5
GRAND SLAM G-LS (PPG-PR 637)	5.7	5.3	5.5
PERFORMANCE (NAI-PR5)	6.0	5.0	5.5
QUASAR	6.0	5.0	5.5
SGP4	6.0	5.0	5.5
CJPIR	6.7	4.0	5.3
STELLAR 4GL	6.0	4.7	5.3
WICKED COOL (DLF-PR-3738)	6.0	4.7	5.3
PPG-PR 620	5.7	4.7	5.2
RELIC (PPG-PR 611)	5.7	4.7	5.2
PPG-PR 643	5.3	5.0	5.2
PPG-PR 661	6.0	4.3	5.2
PS4	6.0	4.3	5.2
PVF-SGS5	6.0	4.3	5.2
RPP3	6.0	4.3	5.2
SLIDER SG (PPG-PR 602)	6.0	4.3	5.2
STINGER (PST-2EGY)	6.0	4.3	5.2
GO-RUS21	5.7	4.3	5.0
PPG-PR 610	5.7	4.3	5.0
PPG-PR 666	5.7	4.3	5.0
PPG-PR 667	5.3	4.7	5.0
PST-2ADS	5.0	5.0	5.0
SILETZ	5.7	4.3	5.0
SUNDOWN (BY-PS2)	5.0	5.0	5.0
VORTEX SRT (PPG-PR 665)	5.0	5.0	5.0
DLF-PR-3730	5.0	4.7	4.8
PPG-PR 662	4.7	5.0	4.8
PST-2BGL	5.7	4.0	4.8
PVF-RPP2	5.7	4.0	4.8
DLF-PR-3737	5.3	4.3	4.8
GO-RUS20	5.3	4.3	4.8
HIGH OCTANE	5.3	4.3	4.8
IGNITION (PPG-PR 647)	6.0	3.7	4.8
LTP-RPP4	5.3	4.3	4.8
PPG-PR 642	5.3	4.3	4.8

TABLE 26.
(CONT'D)

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/			
NAME	IN1	IN2	MEAN
PPG-PR 646	5.3	4.3	4.8
RC20-020	5.3	4.3	4.8
APPLE 4SGL (PPG-PR 663)	4.7	4.7	4.7
GO-RUS22	4.7	4.7	4.7
GRAY EAGLE SLT (PST-2MEG)	4.7	4.7	4.7
LIGHTSPEED (PST-2DRG)	4.7	4.7	4.7
PPG-PR 606	4.7	4.7	4.7
FASTBALL 4GL (PPG-PR 658)	5.3	4.0	4.7
KARMA	5.0	4.3	4.7
LTP-NR	5.3	4.0	4.7
PISTON	5.3	4.0	4.7
PST-2E6	5.0	4.3	4.7
BAR LP 22263	4.7	4.3	4.5
DLF-PR-3727	4.7	4.3	4.5
DLF-PR-3735	5.0	4.0	4.5
HOMERUN LS	4.7	4.3	4.5
PPG-PR 639	4.3	4.7	4.5
PPG-PR 664	4.3	4.7	4.5
LINN	5.7	3.0	4.3
PST-2GDS	4.3	4.3	4.3
BAR LP 22256	4.7	3.7	4.2
HOMERUN G-LS (PPG-PR 644)	5.0	3.3	4.2
PST-2HFM	4.7	3.7	4.2
PST-2MES1	3.7	4.7	4.2
DARK MATTER	4.3	3.7	4.0
FLIGHTLINE (PST-214)	4.7	3.3	4.0
BAR LP 22262	4.0	3.7	3.8
PPG-PR671	4.0	3.7	3.8
GREENBACK	3.7	4.0	3.8
BRIGHTSTAR SLT	3.3	4.0	3.7
DLF-LGT-3066	4.7	2.7	3.7
ULTRA SPORT (PST-2HAF20)	4.0	3.3	3.7
MRS�-PR22	3.7	3.3	3.5
PROMINENT II (TSC-CRS)	4.0	3.0	3.5
NEXUS DK (SE-DK)	3.7	3.0	3.3
SEPR-2013	4.0	2.7	3.3
BSG-PR22	3.7	2.7	3.2
PST-2SPF	2.7	3.7	3.2
LSD VALUE	2.0	1.4	1.2
C.V. (%)	23.8	20.3	22.4

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

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

TABLE 27. SPRING COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA

SPRING COLOR RATINGS 1-9; 9=BEST 2/

NAME	OH1	NAME	OH1
PPG-PR 620	7.0	PPG-PR 606	5.7
HIGH OCTANE	6.7	PPG-PR 661	5.7
PPG-PR 666	6.7	PPG-PR 662	5.7
ALPHA CENTAURI	6.3	PVF-SGS5	5.7
DLF-PR-3726	6.3	RC20-020	5.7
EXCEED (PPG-PR 668)	6.3	RELIC (PPG-PR 611)	5.7
LTP-NR	6.3	RPP3	5.7
NEXUS DK (SE-DK)	6.3	SLIDER SG (PPG-PR 602)	5.7
PPG-PR 646	6.3	STELLAR 4GL	5.7
PROMINENT II (TSC-CRS)	6.3	ULTRA SPORT (PST-2HAF20)	5.7
PS4	6.3	ASPIRATION (DLF-PR-3736)	5.3
APS	6.0	BAR LP 22174	5.3
BSG-PR22	6.0	DLF-PR-3728	5.3
DLF-PR-3730	6.0	GO-RUS20	5.3
DLF-PR-3737	6.0	GREENBACK	5.3
PPG-PR671	6.0	HOMERUN LS	5.3
GO-RUS22	6.0	IGNITION (PPG-PR 647)	5.3
GRAND SLAM G-LS (PPG-PR 637)	6.0	KARMA	5.3
HOMERUN G-LS (PPG-PR 644)	6.0	LIGHTSPEED (PST-2DRG)	5.3
PPG-PR 610	6.0	PPG-PR 642	5.3
PPG-PR 664	6.0	PPG-PR 643	5.3
PPG-PR 667	6.0	PST-2E6	5.3
PST-2ADS	6.0	PST-2MES1	5.3
PST-2BGL	6.0	QUASAR	5.3
PST-2GDS	6.0	STINGER (PST-2EGY)	5.3
PST-2HFM	6.0	SUNDOWN (BY-PS2)	5.3
SGP4	6.0	BRIGHTSTAR SLT	5.0
SILETZ	6.0	DLF-LGT-3066	5.0
VORTEX SRT (PPG-PR 665)	6.0	LTP-RPP4	5.0
WICKED COOL (DLF-PR-3738)	6.0	MRSL-PR22	5.0
20PR10	5.7	PERFORMANCE (NAI-PR5)	5.0
APPLE 4SGL (PPG-PR 663)	5.7	PPG-PR 639	5.0
BAR LP 22191	5.7	PPG-PR 670	5.0
BAR LP 22256	5.7	BAR LP 22263	4.7
BAR LP 22262	5.7	DLF-PR-3729	4.7
CJPIR	5.7	FLIGHTLINE (PST-214)	4.7
DARK MATTER	5.7	PVF-RPP2	4.7
DLF-PR-3727	5.7	SEPR-2013	4.7
DLF-PR-3735	5.7	PST-2SPF	4.3
FASTBALL 4GL (PPG-PR 658)	5.7	LINN	2.0
GO-RUS21	5.7		
GRAY EAGLE SLT (PST-2MEG)	5.7	LSD VALUE	1.4
PISTON	5.7	C.V. (%)	15.5

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 28. PERCENT WEED (POA TRIVIALIS) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA 2/

NAME	OH1	NAME	OH1
SEPR-2013	33.3	GO-RUS20	11.7
PST-2SPF	30.0	GO-RUS21	11.7
FLIGHTLINE (PST-214)	26.7	PPG-PR 606	11.7
MRSI-PR22	26.7	PPG-PR 661	11.7
BSG-PR22	21.7	PPG-PR 667	11.7
PST-2GDS	21.7	RELIC (PPG-PR 611)	11.7
ULTRA SPORT (PST-2HAF20)	21.7	STINGER (PST-2EGY)	11.7
BAR LP 22174	20.0	SUNDOWN (BY-PS2)	11.7
KARMA	20.0	VORTEX SRT (PPG-PR 665)	11.7
ALPHA CENTAURI	18.3	HIGH OCTANE	10.7
DARK MATTER	18.3	20PR10	10.3
NEXUS DK (SE-DK)	18.3	APPLE 4SGL (PPG-PR 663)	10.0
BRIGHTSTAR SLT	16.7	BAR LP 22262	10.0
PISTON	16.7	DLF-LGT-3066	10.0
PPG-PR 670	16.7	LTP-NR	10.0
PST-2BGL	16.7	LTP-RPP4	10.0
RC20-020	16.7	PERFORMANCE (NAI-PR5)	10.0
DLF-PR-3727	15.0	PPG-PR 610	10.0
DLF-PR-3737	15.0	PPG-PR 639	10.0
GO-RUS22	15.0	PPG-PR 646	10.0
GREENBACK	15.0	PPG-PR 666	10.0
LIGHTSPEED (PST-2DRG)	15.0	PS4	10.0
PPG-PR 643	15.0	PST-2E6	10.0
PST-2MES1	15.0	PVF-SGS5	10.0
APS	13.3	QUASAR	10.0
ASPIRATION (DLF-PR-3736)	13.3	WICKED COOL (DLF-PR-3738)	10.0
BAR LP 22256	13.3	HOMERUN G-LS (PPG-PR 644)	8.7
BAR LP 22263	13.3	STELLAR 4GL	8.7
DLF-PR-3729	13.3	CJP1R	8.3
DLF-PR-3730	13.3	LINN	8.3
DLF-PR-3735	13.3	PPG-PR 662	8.3
GRAY EAGLE SLT (PST-2MEG)	13.3	SGP4	8.3
HOMERUN LS	13.3	FASTBALL 4GL (PPG-PR 658)	7.0
IGNITION (PPG-PR 647)	13.3	GRAND SLAM G-LS (PPG-PR 637)	7.0
PROMINENT II (TSC-CRS)	13.3	PPG-PR 664	7.0
PST-2HFM	13.3	PST-2ADS	7.0
PVF-RPP2	13.3	BAR LP 22191	6.7
RPP3	13.3	EXCEED (PPG-PR 668)	6.7
SILETZ	13.3	PPG-PR 642	6.7
SLIDER SG (PPG-PR 602)	13.3	PPG-PR 620	3.7
PPG-PR671	12.0		
DLF-PR-3726	11.7	LSD VALUE	10.2
DLF-PR-3728	11.7	C.V. (%)	48.2

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

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

TABLE 29. PERCENT WEEDS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2024 DATA 2/

NAME	OH1	NAME	OH1
GO-RUS20	41.7	PST-2GDS	6.7
LIGHTSPEED (PST-2DRG)	35.0	QUASAR	6.7
SEPR-2013	33.3	VORTEX SRT (PPG-PR 665)	6.7
FLIGHTLINE (PST-214)	30.0	ASPIRATION (DLF-PR-3736)	5.0
PST-2SPF	26.7	BAR LP 22262	5.0
LTP-RPP4	25.0	DLF-PR-3729	5.0
KARMA	23.3	DLF-PR-3730	5.0
BAR LP 22174	21.7	GO-RUS22	5.0
PPG-PR 643	18.3	GRAND SLAM G-LS (PPG-PR 637)	5.0
FASTBALL 4GL (PPG-PR 658)	15.0	PISTON	5.0
PPG-PR 670	15.0	PPG-PR 639	5.0
ALPHA CENTAURI	13.3	PPG-PR 646	5.0
GO-RUS21	13.3	PS4	5.0
HOMERUN LS	13.3	SILETZ	5.0
APS	11.7	STELLAR 4GL	5.0
BAR LP 22263	11.7	STINGER (PST-2EGY)	5.0
NEXUS DK (SE-DK)	11.7	WICKED COOL (DLF-PR-3738)	5.0
PPG-PR 664	11.7	20PR10	3.3
BRIGHTSTAR SLT	10.0	DLF-LGT-3066	3.3
DARK MATTER	10.0	DLF-PR-3727	3.3
PPG-PR 642	10.0	DLF-PR-3735	3.3
PST-2HFM	10.0	LTP-NR	3.3
BAR LP 22256	8.3	PPG-PR 606	3.3
DLF-PR-3737	8.3	PPG-PR 661	3.3
PPG-PR671	8.3	PPG-PR 666	3.3
EXCEED (PPG-PR 668)	8.3	PST-2MES1	3.3
GRAY EAGLE SLT (PST-2MEG)	8.3	PVF-RPP2	3.3
HIGH OCTANE	8.3	PVF-SGS5	3.3
MRS�-PR22	8.3	RELIC (PPG-PR 611)	3.3
PROMINENT II (TSC-CRS)	8.3	SGP4	3.3
RC20-020	8.3	SUNDOWN (BY-PS2)	3.3
ULTRA SPORT (PST-2HAF20)	8.3	APPLE 4SGL (PPG-PR 663)	1.7
BAR LP 22191	6.7	DLF-PR-3726	1.7
BSG-PR22	6.7	HOMERUN G-LS (PPG-PR 644)	1.7
DLF-PR-3728	6.7	PPG-PR 662	1.7
GREENBACK	6.7	PST-2ADS	1.7
IGNITION (PPG-PR 647)	6.7	PST-2E6	1.7
LINN	6.7	RPP3	1.7
PERFORMANCE (NAI-PR5)	6.7	SLIDER SG (PPG-PR 602)	1.7
PPG-PR 610	6.7	CJP1R	0.0
PPG-PR 620	6.7		
PPG-PR 667	6.7		
PST-2BGL	6.7	LSD VALUE	17.7
		C.V. (%)	126.9

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

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

TABLE 30.

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
AT WEST LAFAYETTE, IN 1/
2024 DATA
POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	MAY	SEPTEMBER	MEAN
ASPIRATION (DLF-PR-3736)	6.0	7.3	6.7
CJPIR	6.7	6.7	6.7
APS	6.7	6.3	6.5
DLF-PR-3728	6.0	7.0	6.5
PVF-SGS5	6.0	7.0	6.5
DLF-PR-3726	6.0	6.7	6.3
PPG-PR 670	6.3	6.3	6.3
SGP4	6.0	6.7	6.3
ALPHA CENTAURI	5.7	6.7	6.2
BAR LP 22174	6.0	6.3	6.2
EXCEED (PPG-PR 668)	6.0	6.3	6.2
PERFORMANCE (NAI-PR5)	6.0	6.3	6.2
PPG-PR 661	6.0	6.3	6.2
QUASAR	6.0	6.3	6.2
SLIDER SG (PPG-PR 602)	6.0	6.5	6.2
WICKED COOL (DLF-PR-3738)	6.0	6.3	6.2
20PR10	6.0	6.0	6.0
GO-RUS21	5.7	6.3	6.0
PS4	6.0	6.0	6.0
RELIC (PPG-PR 611)	5.7	6.3	6.0
RPP3	6.0	6.0	6.0
SILETZ	5.7	6.3	6.0
STELLAR 4GL	6.0	6.0	6.0
DLF-PR-3729	5.7	6.0	5.8
FASTBALL 4GL (PPG-PR 658)	5.3	6.3	5.8
GRAND SLAM G-LS (PPG-PR 637)	5.7	6.0	5.8
IGNITION (PPG-PR 647)	6.0	5.7	5.8
PISTON	5.3	6.3	5.8
PPG-PR 643	5.3	6.3	5.8
PPG-PR 666	5.7	6.0	5.8
PPG-PR 667	5.3	6.3	5.8
STINGER (PST-2EGY)	6.0	5.7	5.8
DLF-PR-3737	5.3	6.0	5.7
PPG-PR 620	5.7	5.7	5.7
PST-2ADS	5.0	6.3	5.7
VORTEX SRT (PPG-PR 665)	5.0	6.3	5.7
BAR LP 22191	5.7	5.3	5.5
DLF-PR-3730	5.0	6.0	5.5
DLF-PR-3735	5.0	6.0	5.5
HIGH OCTANE	5.3	5.7	5.5
PPG-PR 610	5.7	5.3	5.5
PPG-PR 642	5.3	5.7	5.5
PPG-PR 662	4.7	6.3	5.5
DLF-LGT-3066	4.7	6.0	5.3
DLF-PR-3727	4.7	6.0	5.3
GO-RUS20	5.3	5.3	5.3
HOMERUN G-LS (PPG-PR 644)	5.0	5.7	5.3

TABLE 30.
(CONT'D)

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
AT WEST LAFAYETTE, IN 1/
2024 DATA
POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	MAY	SEPTEMBER	MEAN
LTP-RPP4	5.3	5.3	5.3
PPG-PR 646	5.3	5.3	5.3
PVF-RPP2	5.7	5.0	5.3
RC20-020	5.3	5.3	5.3
APPLE 4SGL (PPG-PR 663)	4.7	5.7	5.2
BAR LP 22263	4.7	5.7	5.2
KARMA	5.0	5.3	5.2
LINN	5.7	4.7	5.2
LTP-NR	5.3	5.0	5.2
PST-2BGL	5.7	4.7	5.2
PPG-PR 639	4.3	5.7	5.0
PPG-PR 664	4.3	5.7	5.0
PST-2E6	5.0	5.0	5.0
SUNDOWN (BY-PS2)	5.0	5.0	5.0
PST-2HFM	4.7	5.0	4.8
PPG-PR671	4.0	5.3	4.7
FLIGHTLINE (PST-214)	4.7	4.7	4.7
GO-RUS22	4.7	4.7	4.7
GRAY EAGLE SLT (PST-2MEG)	4.7	4.7	4.7
HOMERUN LS	4.7	4.7	4.7
BAR LP 22256	4.7	4.3	4.5
BAR LP 22262	4.0	5.0	4.5
DARK MATTER	4.3	4.7	4.5
LIGHTSPEED (PST-2DRG)	4.7	4.3	4.5
PPG-PR 606	4.7	4.3	4.5
PST-2GDS	4.3	4.3	4.3
PST-2MES1	3.7	4.7	4.2
BRIGHTSTAR SLT	3.3	4.7	4.0
NEXUS DK (SE-DK)	3.7	4.3	4.0
PROMINENT II (TSC-CRS)	4.0	4.0	4.0
SEPR-2013	4.0	4.0	4.0
ULTRA SPORT (PST-2HAF20)	4.0	4.0	4.0
GREENBACK	3.7	4.0	3.8
MRS-L-PR22	3.7	4.0	3.8
BSG-PR22	3.7	3.7	3.7
PST-2SPF	2.7	4.3	3.5
LSD VALUE	1.9	1.5	1.3
C.V. (%)	19.0	15.3	14.4

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 31.

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
GROWN UNDER A FAIRWAY AT WEST LAFAYETTE, IN 1/
2024 DATA
POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	APRIL	SEPTMEBER	MEAN
20PR10	5.0	6.7	5.8
BAR LP 22174	5.7	6.0	5.8
ASPIRATION (DLF-PR-3736)	5.0	6.3	5.7
DLF-PR-3726	5.3	6.0	5.7
ALPHA CENTAURI	5.7	5.3	5.5
BAR LP 22191	5.3	5.7	5.5
DLF-PR-3728	5.3	5.7	5.5
DLF-PR-3729	5.3	5.7	5.5
EXCEED (PPG-PR 668)	5.7	5.3	5.5
GRAND SLAM G-LS (PPG-PR 637)	5.3	5.7	5.5
PPG-PR 670	5.3	5.7	5.5
VORTEX SRT (PPG-PR 665)	5.0	6.0	5.5
DLF-PR-3727	4.3	6.3	5.3
PPG-PR 662	5.0	5.7	5.3
GO-RUS20	4.3	6.0	5.2
PERFORMANCE (NAI-PR5)	5.0	5.3	5.2
APPLE 4SGL (PPG-PR 663)	4.7	5.3	5.0
APS	4.7	5.3	5.0
DLF-PR-3730	4.7	5.3	5.0
PPG-PR 664	4.7	5.3	5.0
PST-2ADS	5.0	5.0	5.0
PST-2GDS	4.3	5.7	5.0
QUASAR	5.0	5.0	5.0
RELIC (PPG-PR 611)	4.7	5.3	5.0
SUNDOWN (BY-PS2)	5.0	5.0	5.0
WICKED COOL (DLF-PR-3738)	4.7	5.3	5.0
DLF-PR-3737	4.3	5.3	4.8
FASTBALL 4GL (PPG-PR 658)	4.0	5.7	4.8
LIGHTSPEED (PST-2DRG)	4.7	5.0	4.8
PPG-PR 639	4.7	5.0	4.8
PPG-PR 643	5.0	4.7	4.8
PPG-PR 667	4.7	5.0	4.8
PVF-SGS5	4.3	5.3	4.8
SGP4	5.0	4.7	4.8
SILETZ	4.3	5.3	4.8
STELLAR 4GL	4.7	5.0	4.8
STINGER (PST-2EGY)	4.3	5.3	4.8
GO-RUS21	4.3	5.0	4.7
GO-RUS22	4.7	4.7	4.7
LTP-NR	4.0	5.3	4.7
PPG-PR 620	4.7	4.7	4.7
PPG-PR 646	4.3	5.0	4.7
PPG-PR 661	4.3	5.0	4.7
PS4	4.3	5.0	4.7
RC20-020	4.3	5.0	4.7
RPP3	4.3	5.0	4.7
BRIGHTSTAR SLT	4.0	5.0	4.5

TABLE 31.
(CONT'D)

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
GROWN UNDER A FAIRWAY AT WEST LAFAYETTE, IN 1/
2024 DATA
POA ANNUA RATINGS 1-9; 9=NONE 2/

NAME	APRIL	SEPTEMBER	MEAN
PPG-PR671	3.7	5.3	4.5
GRAY EAGLE SLT (PST-2MEG)	4.7	4.3	4.5
HOMERUN LS	4.3	4.7	4.5
KARMA	4.3	4.7	4.5
LTP-RPP4	4.3	4.7	4.5
PPG-PR 606	4.7	4.3	4.5
PPG-PR 642	4.3	4.7	4.5
PPG-PR 666	4.3	4.7	4.5
PST-2MES1	4.7	4.3	4.5
SLIDER SG (PPG-PR 602)	4.3	4.7	4.5
BAR LP 22263	4.3	4.3	4.3
HIGH OCTANE	4.3	4.3	4.3
PPG-PR 610	4.3	4.3	4.3
PST-2BGL	4.0	4.7	4.3
PST-2E6	4.3	4.3	4.3
BAR LP 22256	3.7	4.7	4.2
BAR LP 22262	3.7	4.7	4.2
IGNITION (PPG-PR 647)	3.7	4.7	4.2
PISTON	4.0	4.3	4.2
CJPIR	4.0	4.0	4.0
DLF-PR-3735	4.0	4.0	4.0
FLIGHTLINE (PST-214)	3.3	4.7	4.0
HOMERUN G-LS (PPG-PR 644)	3.3	4.7	4.0
PST-2HFM	3.7	4.3	4.0
ULTRA SPORT (PST-2HAF20)	3.3	4.7	4.0
GREENBACK	4.0	3.7	3.8
PVF-RPP2	4.0	3.7	3.8
DARK MATTER	3.7	3.7	3.7
PST-2SPF	3.7	3.7	3.7
LINN	3.0	4.0	3.5
MRSI-PR22	3.3	3.7	3.5
SEPR-2013	2.7	4.0	3.3
NEXUS DK (SE-DK)	3.0	3.3	3.2
BSG-PR22	2.7	3.3	3.0
DLF-LGT-3066	2.7	3.3	3.0
PROMINENT II (TSC-CRS)	3.0	2.7	2.8
LSD VALUE	1.9	1.5	1.2
C.V. (%)	20.3	16.7	14.8

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

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

TABLE 32.

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AS A FAIRWAY AT WEST LAFAYETTE, IN 1/
2024 DATA
DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE	JULY	MEAN
ALPHA CENTAURI	8.3	5.7	7.0
PPG-PR 667	8.0	5.0	6.5
EXCEED (PPG-PR 668)	7.3	5.3	6.3
FASTBALL 4GL (PPG-PR 658)	7.3	5.3	6.3
PERFORMANCE (NAI-PR5)	7.3	5.3	6.3
PPG-PR 642	7.0	5.7	6.3
PPG-PR 670	7.3	5.3	6.3
WICKED COOL (DLF-PR-3738)	7.3	5.3	6.3
QUASAR	7.0	5.3	6.2
GRAND SLAM G-LS (PPG-PR 637)	7.0	5.0	6.0
HIGH OCTANE	7.0	5.0	6.0
PISTON	7.7	4.3	6.0
PPG-PR 664	6.3	5.7	6.0
SGP4	7.0	5.0	6.0
SILETZ	7.0	5.0	6.0
VORTEX SRT (PPG-PR 665)	6.7	5.3	6.0
RELIC (PPG-PR 611)	6.7	5.0	5.8
STINGER (PST-2EGY)	6.3	5.3	5.8
DLF-PR-3730	6.7	4.7	5.7
HOMERUN G-LS (PPG-PR 644)	7.0	4.3	5.7
PPG-PR 610	6.3	5.0	5.7
PPG-PR 643	6.3	5.0	5.7
PVF-SGS5	6.0	5.3	5.7
PPG-PR 646	6.3	4.7	5.5
PPG-PR 662	6.7	4.3	5.5
PS4	6.7	4.3	5.5
PST-2ADS	6.7	4.3	5.5
APS	7.0	3.7	5.3
CJP1R	5.7	5.0	5.3
DLF-PR-3727	5.3	5.3	5.3
DLF-PR-3728	6.3	4.3	5.3
GO-RUS22	6.0	4.7	5.3
GRAY EAGLE SLT (PST-2MEG)	6.7	4.0	5.3
LTP-RPP4	6.3	4.3	5.3
PPG-PR 661	6.7	4.0	5.3
DLF-LGT-3066	6.0	4.3	5.2
DLF-PR-3726	6.0	4.3	5.2
DLF-PR-3729	6.0	4.3	5.2
PPG-PR 620	6.3	4.0	5.2
PVF-RPP2	6.7	3.7	5.2
SLIDER SG (PPG-PR 602)	6.3	4.0	5.2
APPLE 4SGL (PPG-PR 663)	6.0	4.0	5.0
DLF-PR-3735	6.0	4.0	5.0
GO-RUS20	6.0	4.0	5.0
HOMERUN LS	5.7	4.3	5.0
PPG-PR 606	6.3	3.7	5.0
PPG-PR 639	6.3	3.7	5.0

TABLE 32.
(CONT'D)

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AS A FAIRWAY AT WEST LAFAYETTE, IN 1/
2024 DATA
DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE	JULY	MEAN
PPG-PR 666	6.3	3.7	5.0
ULTRA SPORT (PST-2HAF20)	5.7	4.3	5.0
20PR10	6.0	3.7	4.8
DLF-PR-3737	5.7	4.0	4.8
GO-RUS21	5.3	4.3	4.8
IGNITION (PPG-PR 647)	6.0	3.7	4.8
BAR LP 22262	5.7	3.7	4.7
BAR LP 22263	5.7	3.7	4.7
DARK MATTER	5.7	3.7	4.7
PPG-PR671	6.0	3.3	4.7
FLIGHTLINE (PST-214)	5.7	3.7	4.7
KARMA	5.7	3.7	4.7
PST-2GDS	5.0	4.3	4.7
PST-2MES1	6.0	3.3	4.7
RC20-020	5.7	3.7	4.7
RPP3	6.0	3.3	4.7
SUNDOWN (BY-PS2)	5.3	4.0	4.7
BAR LP 22256	5.7	3.3	4.5
MRSI-PR22	5.7	3.3	4.5
NEXUS DK (SE-DK)	6.0	3.0	4.5
PROMINENT II (TSC-CRS)	6.0	3.0	4.5
ASPIRATION (DLF-PR-3736)	5.0	3.7	4.3
BSG-PR22	5.3	3.3	4.3
LTP-NR	5.0	3.7	4.3
PST-2E6	5.7	3.0	4.3
BAR LP 22191	5.3	3.0	4.2
PST-2SPF	5.7	2.7	4.2
STELLAR 4GL	5.0	3.3	4.2
LINN	5.7	2.3	4.0
PST-2BGL	4.7	3.3	4.0
BRIGHTSTAR SLT	4.7	3.0	3.8
GREENBACK	5.0	2.7	3.8
LIGHTSPEED (PST-2DRG)	4.7	3.0	3.8
PST-2HFM	4.7	3.0	3.8
SEPR-2013	5.0	2.7	3.8
BAR LP 22174	4.3	3.0	3.7
LSD VALUE	2.1	1.6	1.4
C.V. (%)	16.4	21.8	15.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 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 */
2024 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/	NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
20PR10	5.5	35	PERFORMANCE (NAI-PR5)	5.7	35
ALPHA CENTAURI	5.6	30	PISTON	5.6	20
APPLE 4SGL (PPG-PR 663)	5.6	20	PPG-PR 606	5.6	5
APS	6.0	80	PPG-PR 610	5.6	15
ASPIRATION (DLF-PR-3736)	5.6	35	PPG-PR 620	5.7	35
BAR LP 22174	5.3	15	PPG-PR 639	5.7	25
BAR LP 22191	5.2	5	PPG-PR 642	5.8	30
BAR LP 22256	5.0	10	PPG-PR 643	5.7	20
BAR LP 22262	5.0	0	PPG-PR 646	5.6	15
BAR LP 22263	5.1	5	PPG-PR 661	5.6	30
BRIGHTSTAR SLT	5.0	10	PPG-PR 662	5.8	45
BSG-PR22	4.8	0	PPG-PR 664	5.9	45
CJP1R	5.8	45	PPG-PR 666	5.6	25
DARK MATTER	4.9	5	PPG-PR 667	5.6	25
DLF-LGT-3066	5.2	5	PPG-PR 670	5.8	45
DLF-PR-3726	5.7	40	PPG-PR 671	5.5	10
DLF-PR-3727	5.5	25	PROMINENT II (TSC-CRS)	4.7	5
DLF-PR-3728	5.9	35	PS4	5.7	30
DLF-PR-3729	5.7	40	PST-2ADS	5.8	45
DLF-PR-3730	5.7	15	PST-2BGL	5.4	30
DLF-PR-3735	5.6	25	PST-2E6	5.3	10
DLF-PR-3737	5.3	0	PST-2GDS	5.5	10
EXCEED (PPG-PR 668)	5.7	45	PST-2HFM	5.5	20
FASTBALL 4GL (PPG-PR 658)	5.8	50	PST-2MES1	5.5	10
FLIGHTLINE (PST-214)	5.2	5	PST-2SPF	4.5	10
GO-RUS20	5.3	10	PVF-RPP2	5.7	30
GO-RUS21	5.6	20	PVF-SGS5	5.7	35
GO-RUS22	5.4	10	QUASAR	5.7	30
GRAND SLAM G-LS (PPG-PR 637)	5.9	60	RC20-020	5.3	10
GRAY EAGLE SLT (PST-2MEG)	5.5	20	RELIC (PPG-PR 611)	5.7	30
GREENBACK	4.8	5	RPP3	5.6	25
HIGH OCTANE	5.5	5	SEPR-2013	4.7	0
HOMERUN G-LS (PPG-PR 644)	5.8	45	SGP4	5.9	35
HOMERUN LS	5.3	10	SILETZ	5.9	75
IGNITION (PPG-PR 647)	5.6	30	SLIDER SG (PPG-PR 602)	5.7	20
KARMA	5.1	5	STELLAR 4GL	5.6	25
LIGHTSPEED (PST-2DRG)	4.9	5	STINGER (PST-2EGY)	5.6	30
LINN	4.0	0	SUNDOWN (BY-PS2)	5.5	20
LTP-NR	5.6	10	ULTRA SPORT (PST-2HAF20)	5.6	15
LTP-RPP4	5.7	40	VORTEX SRT (PPG-PR 665)	5.8	40
MRSL-PR22	4.9	10	WICKED COOL (DLF-PR-3738)	5.9	45
NEXUS DK (SE-DK)	4.8	5			
			LSD VALUE	0.7	
			C.V. (%)	9.8	

*/ 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.