

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

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A Guide to NTEP Turfgrass Ratings

Introduction

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

General Considerations

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

Turfgrass Quality

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

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

Other Ratings

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

2010 NATIONAL PERENNIAL RYEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2011-14

State	Location	Code
Alabama	Eufaula (Overseeding)	AL3
Arizona	Tucson (Overseeding)	AZ1
California	Riverside	CA3
California	Riverside (Traffic Study)	CA4
Florida	Gainesville (Overseeding)	FL1
Illinois	Urbana	IL1
Iowa	Ames	IA1
Maryland	College Park	MD1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Missouri	Columbia	MO1
Nebraska	Mead	NE1
New Jersey	Adelphia	NJ2
New Jersey	Adelphia (Gray Leaf Spot Study)	NJ3
Oregon	Corvallis	OR1
Pennsylvania	University Park	PA1
Pennsylvania	University Park (Traffic Study)	PA2
Rhode Island	Kingston (Salt Tolerance)	RI1
Virginia	Blacksburg	VA1
Virginia	Blacksburg (Traffic Study)	VA2
Virginia	Blacksburg (Drought Study)	VA3
Washington	Puyallup (Sand Drought Stress)	WA3
Wisconsin	Madison (Traffic Study)	WI1

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
2010 NATIONAL PERENNIAL RYEGRASS TEST
Entries and Sponsors

Entry No.	Name	Sponsor	Entry No.	Name	Sponsor
* 1	Rinovo	Semillas Fito	*46	Excellence (ISG-31)	Integrated Seeds
* 2	Vision (CL 11601)	The Scotts Company	*47	ASP 0112 (A-35)	Allied Seeds
* 3	Pizzazz 2 GLR (PR 909)	Turf Merchants, Inc.	48	CS-PR66	Columbia Seeds
* 4	Pangea GLR (CL 11701)	Turf Merchants, Inc.	*49	Pillar (CST)	Columbia Seeds
* 5	Sunstreaker (APR 2036)	Brett Young Seeds Ltd.	50	JR-178	Jacklin Seed by Simplot
* 6	Linn	Standard Entry	51	JR-192	Jacklin Seed by Simplot
* 7	Uno	Standard Entry	*52	SR 4650 (PSRX-3701)	Seed Research of Oregon
8	DLF LGD-3026	DLF International Seeds	*53	Karma (PICK 10401)	Pickseed USA, Inc.
9	DLF LGD-3022	DLF International Seeds	*54	Mach I	Standard Entry
*10	Sideways (PSRX-S84)	Seed Research of Oregon	*55	Pepper (RAD-PR62)	Radix Research
*11	Wicked (SRX-4RHD)	Pickseed Inc.	56	RAD-PR55R	Lewis Seed
*12	Playoff 2 (P02)	John Deere Landscapes	*57	Riptide (IS-PR 409)	Brett Young Seeds Ltd.
*13	Evolution (S85)	John Deere Landscapes	*58	Bandalore (IS-PR 463)	DLF International Seeds
14	LTP-RAE	Lebanon Turf Products	*59	Thrive (IS-PR 469)	DLF International Seeds
*15	Allante	Ledeboer Seed/Pro-Turf Solutions-OVS	*60	Hancock (IS-PR 479)	DLF International Seeds
*16	Insight	Ledeboer Seed/Pro-Turf Solutions-OVS	*61	Stamina (IS-PR 487)	DLF International Seeds
*17	Sienna	Ledeboer Seed/Pro-Turf Solutions-OVS	*62	Monsieur (IS-PR 488)	DLF International Seeds
*18	Brightstar SLT	Standard Entry	*63	Banfield (IS-PR 491)	DLF International Seeds
*19	Expedite (CL 307)	Landmark Native Seeds	*64	Aspire (IS-PR 489)	DLF International Seeds
20	APR 2320	Pennington Seed	*65	Diligent (IS-PR 492)	DLF International Seeds
*21	Haven (APR 2038)	Smith Seed Services	66	DLF LGT 4182	DLF International Seeds
*22	Green Supreme (PPG-PR 121)	Ampac Seed Company	*67	Seductive (ISG-30)	Integrated Seeds
23	PPG-PR 128	Integra Turf, Inc.	*68	Salinas II (PST-204D)	Landmark Native Seeds
*24	Fastball RGL (PPG-PR 133)	Mountain View Seeds	69	PST-2NKM	Pure-Seed Testing
*25	Stellar 3GL (PPG-PR 134)	Mountain View Seeds	70	PST-2DR9	Pure-Seed Testing
26	LTP-PR 135	Lebanon Turf Products	*71	Pacific GEM (PST-2MG7)	Pure-Seed Testing
27	PPG-PR 136	Lewis Seed	*72	Rainwater (PST-2TQL)	Pure-Seed Testing
*28	Premium (PPG-PR 137)	Columbia Seeds	*73	Dominator (PST-2AG4)	Brett Young Seeds Ltd.
*29	Amazing A+ (PPG-PR 138)	Ampac Seed Company	*74	MANHATTAN 6 GLR (PST-2MAGS)	Turf Merchants, Inc.
*30	Apple SGL (PPG-PR 140)	Mountain View Seeds	75	PST-2K9	The Scotts Company
31	PPG-PR 142	Peak Plant Genetics	*76	Benchmark (PST-2BNS)	Landmark Native Seeds
*32	Provost (PPG-PR 143)	Columbia Seeds	*77	Pistol (PST-2ACR)	The Scotts Company
*33	Grand Slam GLD (PPG-PR 164)	Mountain View Seeds	*78	Rio Vista	Burlingham Seeds
*34	Metolius (PPG-PR 165)	Vista Seed Partners LLC	*79	Octane	Burlingham Seeds
35	BAR Lp 10969	Barenbrug USA	*80	Bonneville	Burlingham Seeds
36	BAR Lp 10972	Barenbrug USA	81	PSRX-4CAGL	Pickseed USA & Seed Research of OR
*37	Pinnacle III (BAR Lp 10970)	Barenbrug USA	82	GO-DHS	Grassland Oregon
*38	Parkside (PST-2NJK)	Barenbrug USA	83	GO-PR60	Grassland Oregon
39	BAR Lp 7608	Barenbrug USA	*84	Sox Fan (GM3)	Landmark Native Seeds
*40	Pinnacle	Standard Entry	85	PRX-4GM1	Pickseed USA & Seed Research of OR
41	APR 2445	ProSeeds Marketing	*86	SR4660ST (SRX-4MSH)	Seed Research of Oregon
*42	Fiesta 4	Standard Entry	87	Pick 4DFHM	Pickseed USA, Inc.
43	GO-G37	Grassland Oregon	*88	Palmer V	Standard Entry
*44	Prominent (CS-20)	Columbia Seeds			
*45	Vintage (ISG-36)	Integrated Seeds			

* COMMERCIALY AVAILABLE IN THE USA IN 2015

TABLE A. 2011-14 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2010 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
AL3	-	-	-	-	-	-	0.0-0.5	NO IRRIGATION
AZ1	SANDY CLAY LOAM	7.6-8.5	451+	501+	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
CA3	SANDY LOAM	7.6-8.5	0-60	0-150	6.1-7.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
CA4	SANDY LOAM	7.6-8.5	0-60	0-150	6.1-7.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
FL1	SANDY LOAM	6.6-7.0	151-270	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MA1	LOAM	5.6-6.0	0-60	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
MI1	-	-	-	-	-	-	-	-
MN1	SILTY CLAY LOAM	6.6-7.0	0-60	151-240	2.1-3.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
MO1	SANDY CLAY LOAM	5.6-6.0	61-150	241-375	1.1-2.0	FULL SUN	2.6-3.0	ONLY DURING SEVERE STRESS
NE1	SILTY CLAY AND CLAY	6.6-7.0	0-60	241-375	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	SANDY LOAM	6.1-6.5	271-450	241-375	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OR1	SILTY CLAY LOAM	5.6-6.0	61-150	241-375	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
PA1	SILT LOAM AND SILT	6.6-7.0	61-150	151-240	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
PA2	SILT LOAM AND SILT	6.6-7.0	61-150	151-240	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
RI1	-	-	-	-	-	-	-	-
VA1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
VA2	SILT LOAM AND SILT	5.6-6.0	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
VA3	-	-	-	-	-	-	-	-
WA3	SAND	6.1-6.5	0-60	0-150	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
WI1	SILT LOAM AND SILT	7.1-7.5	-	-	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
AL3															
AZ1															
CA3	X	X	X	X	X	X	X	X	X	X	X	X			
CA4	X	X	X	X	X	X	X	X	X	X	X	X			
FL1															
IA1				X	X	X	X	X	X	X			X	X	
IL1				X	X	X	X	X	X	X			X	X	
MA1			X	X	X	X	X	X	X	X	X	X	X	X	
MD1				X	X	X	X	X	X	X	X	X		X	
MI1				X	X	X	X	X	X	X			X		
MN1				X	X	X	X	X	X	X			X		
MO1			X	X	X	X	X	X	X	X	X		X		X
NE1				X	X	X	X	X	X	X	X		X	X	
NJ2				X	X	X	X	X	X	X	X		X	X	
NJ3				X	X	X	X	X	X	X	X		X		
OR1	X	X	X	X	X	X	X	X	X	X	X	X	X		
PA1						X	X	X	X						
PA2															
RI1															
VA1		X	X	X	X	X	X	X	X	X	X				
VA2			X	X	X	X	X	X	X	X	X				
VA3															
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WI1						X	X	X	X	X	X				

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2011-14

LOCATION	WEAR TOLERANCE	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	PERCENT WINTER KILL	DROUGHT TOLERANCE DORMANCY	DROUGHT TOLERANCE RECOVERY	STEM RUST	DOLLAR SPOT	RED THREAD	BROWN PATCH WARM TEMP.
AL3																
AZ1																
CA3		X														
CA4						X	X	X								
FL1																
IA1								X					X		X	
IL1																
MA1	X		X	X	X					X						
MD1																
MI1																
MN1		X														
MO1		X				X	X	X					X	X	X	X
NE1																
NJ2								X								X
NJ3																
OR1		X														
PA1													X			
PA2																
RI1																
VA1						X	X									
VA2						X										
VA3																
WA3			X					X	X		X	X				
WI1																

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2011-14

DOLLAR			GRAY	PINK	FALL				PERCENT	POA	PERCENT	WEAR		PERCENT			
LOCATION	PYTHIUM	CROWN	LEAF	SNOW	COLOR	SEEDHEAD	POA	MOWING	ESTABLISH-	ANNUA	POA	WINTER	TOLERANCE	ESTABLISHMENT	SPOT		
JULY	BLIGHT	RUST	SPOT	MOLD	OCTOBER	RATINGS	ANNUA	QUALITY	MENT	COUNTS	ANNUA	KILL	JUN	SEP	OCT	NOV	JUNE
* AL3																	
* AZ1																	
CA3																	
* CA4																	
* FL1																	
IA1																	
IL1									X								
MA1									X	X			X	X			
MD1			X								X						
MI1															X	X	
MN1				X				X				X					
MO1		X															
NE1																	
X NJ2						X											X
* NJ3																	
OR1																	
PA1								X									
* PA2																	
* RI1																	
VA1	X																
* VA2																	
* VA3																	
* WA3																	
* WI1																	

* MORE DATA FOR "AL3", "AZ1", "CA4", "FL1", "NJ3", "PA1", "RI1", "VA2", "VA3", "WA3", AND "WI1" IN TABLE 16, 17, 19, 18, 23, 20, 24, 21, 25, 26 AND 22.

TABLE 1. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN AT ONE LOCATION IN THE U.S. FOR AMMI GROUP 1 **/
2011 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ2	NAME	NJ2
* KARMA (PICK 10401)	7.4	* DOMINATOR (PST-2AG4)	6.0
* PANGA GLR (CL 11701)	7.3	* MACH I	6.0
* BANFIELD (IS-PR 491)	7.0	* PILLAR (CST)	6.0
* RIPTIDE (IS-PR 409)	7.0	* MONSIEUR (IS-PR 488)	5.9
* GREEN SUPREME (PPG-PR 121)	6.9	* UNO	5.9
* WICKED (SRX-4RHD)	6.9	DLF LGD-3022	5.9
* RINOV0	6.9	* VISION (CL 11601)	5.9
GO-PR60	6.9	JR-192	5.9
* SR 4650 (PSRX-3701)	6.9	PST-2K9	5.8
* EVOLUTION (S85)	6.8	* SOX FAN (GM3)	5.8
* BANDALORE (IS-PR 463)	6.8	* APPLE SGL (PPG-PR 140)	5.8
* BENCHMARK (PST-2BNS)	6.7	* PEPPER (RAD-PR62)	5.8
* AMAZING A+ (PPG-PR 138)	6.7	LTP-PR 135	5.7
* SIENNA	6.7	* PARKSIDE (PST-2NJK)	5.6
PPG-PR 136	6.7	BAR LP 10972	5.6
* RIO VISTA	6.7	PPG-PR 128	5.6
JR-178	6.7	* SR4660ST (SRX-4MSH)	5.6
* THRIVE (IS-PR 469)	6.7	* SALINAS II (PST-204D)	5.5
* METOLIUS (PPG-PR 165)	6.6	DLF LGD-3026	5.5
* GRAND SLAM GLD (PPG-PR 164)	6.6	PST-2NKM	5.5
* SUNSTREAKER (APR 2036)	6.4	GO-G37	5.4
* PIZZAZZ 2 GLR (PR 909)	6.4	* ASP 0112 (A-35)	5.4
* PREMIUM (PPG-PR 137)	6.4	* MANHATTAN 6 GLR (PST-2MAGS)	5.4
* FIESTA 4	6.4	* PISTOL (PST-2ACR)	5.4
* STAMINA (IS-PR 487)	6.4	BAR LP 10969	5.4
* STELLAR 3GL (PPG-PR 134)	6.4	* BONNEVILLE	5.3
* PINNACLE III (BAR LP 10970)	6.3	* SEDUCTIVE (ISG-30)	5.2
* OCTANE	6.3	* HAVEN (APR 2038)	5.2
APR 2320	6.3	PST-2DR9	5.2
RAD-PR55R	6.3	* VINTAGE (ISG-36)	5.2
* INSIGHT	6.3	* PACIFIC GEM (PST-2MG7)	5.2
* ASPIRE (IS-PR 489)	6.3	* PLAYOFF 2 (P02)	5.1
* FASTBALL RGL (PPG-PR 133)	6.2	* RAINWATER (PST-2TQL)	5.1
* SIDEWAYS (PSRX-S84)	6.2	DLF LGT 4182	4.7
* DILIGENT (IS-PR 492)	6.2	PICK 4DFHM	4.6
* EXPEDITE (CL 307)	6.2	* EXCELLENCE (ISG-31)	4.6
* ALLANTE	6.1	* BRIGHTSTAR SLT	4.5
LTP-RAE	6.1	* PROMINENT (CS-20)	4.4
PSRX-4CAGL	6.1	GO-DHS	4.1
CS-PR66	6.1	BAR LP 7608	4.0
* HANCOCK (IS-PR 479)	6.1	* PINNACLE	2.8
APR 2445	6.1	* LINN	0.9
* PALMER V	6.1		
PPG-PR 142	6.1		
* PROVOST (PPG-PR 143)	6.0	LSD VALUE	0.8
PRX-4GM1	6.0	C.V. (%)	8.9

* COMMERCIALY AVAILABLE IN THE USA IN 2015.

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1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.

STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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

TABLE 2.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN AT TWO LOCATIONS IN THE U.S. FOR AMMI GROUP 2 **/
2011 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MN1	MD1	MEAN	NAME	MN1	MD1	MEAN
PANGEA GLR (CL 11701)	5.9	6.1	6.0	APR 2445	5.1	5.6	5.3
KARMA (PICK 10401)	5.9	6.0	5.9	DOMINATOR (PST-2AG4)	5.1	5.6	5.3
WICKED (SRX-4RHD)	5.7	6.0	5.9	UNO	5.0	5.6	5.3
BANFIELD (IS-PR 491)	5.7	6.0	5.8	PRX-4GM1	5.1	5.6	5.3
EVOLUTION (S85)	5.6	5.9	5.8	LTP-RAE	5.1	5.5	5.3
SR 4650 (PSRX-3701)	5.6	5.9	5.8	APPLE SGL (PPG-PR 140)	5.0	5.6	5.3
BANDALORE (IS-PR 463)	5.6	5.9	5.8	JR-192	5.0	5.5	5.3
BENCHMARK (PST-2BNS)	5.6	5.9	5.8	PILLAR (CST)	5.0	5.5	5.3
RINOVO	5.6	5.9	5.8	LTP-PR 135	4.9	5.6	5.2
GREEN SUPREME(PPG-PR 121)	5.6	5.9	5.7	SOX FAN (GM3)	4.9	5.5	5.2
AMAZING A+ (PPG-PR 138)	5.6	5.9	5.7	MACH I	5.0	5.4	5.2
JR-178	5.5	5.9	5.7	PARKSIDE (PST-2NJK)	4.8	5.5	5.1
GO-PR60	5.6	5.9	5.7	PST-2K9	4.9	5.4	5.1
RIPTIDE (IS-PR 409)	5.6	5.8	5.7	PST-2NKM	4.8	5.5	5.1
RIO VISTA	5.5	5.9	5.7	PPG-PR 128	4.8	5.4	5.1
THRIVE (IS-PR 469)	5.5	5.9	5.7	SR4660ST (SRX-4MSH)	4.8	5.4	5.1
SIENNA	5.5	5.8	5.7	SALINAS II (PST-204D)	4.7	5.4	5.0
GRAND SLAM GLD (PPG-PR 164)	5.5	5.8	5.6	PEPPER (RAD-PR62)	4.8	5.3	5.0
STAMINA (IS-PR 487)	5.4	5.9	5.6	ASP 0112 (A-35)	4.7	5.3	5.0
PPG-PR 136	5.5	5.8	5.6	PISTOL (PST-2ACR)	4.7	5.3	5.0
METOLIUS (PPG-PR 165)	5.4	5.8	5.6	DLF LGD-3026	4.7	5.3	5.0
PIZZAZZ 2 GLR (PR 909)	5.4	5.8	5.6	BONNEVILLE	4.6	5.3	5.0
PREMIUM (PPG-PR 137)	5.3	5.8	5.6	BAR LP 10972	4.7	5.2	5.0
STELLAR 3GL (PPG-PR 134)	5.3	5.7	5.5	MANHATTAN 6 GLR (PST-2MAGS)	4.6	5.3	5.0
DILIGENT (IS-PR 492)	5.3	5.8	5.5	GO-G37	4.6	5.3	5.0
SUNSTREAKER (APR 2036)	5.3	5.7	5.5	SEDUCTIVE (ISG-30)	4.6	5.3	5.0
FIESTA 4	5.3	5.7	5.5	BAR LP 10969	4.6	5.3	4.9
PINNACLE III (BAR LP 10970)	5.3	5.7	5.5	VINTAGE (ISG-36)	4.6	5.3	4.9
OCTANE	5.3	5.7	5.5	PACIFIC GEM (PST-2MG7)	4.5	5.3	4.9
SIDEWAYS (PSRX-S84)	5.2	5.7	5.5	PST-2DR9	4.5	5.3	4.9
INSIGHT	5.2	5.6	5.4	HAVEN (APR 2038)	4.5	5.2	4.9
RAD-PR55R	5.2	5.6	5.4	RAINWATER (PST-2TQL)	4.5	5.2	4.8
FASTBALL RGL (PPG-PR 133)	5.2	5.6	5.4	PLAYOFF 2 (P02)	4.5	5.2	4.8
APR 2320	5.2	5.6	5.4	PROMINENT (CS-20)	4.2	5.2	4.7
PALMER V	5.2	5.7	5.4	EXCELLENCE (ISG-31)	4.2	5.1	4.6
VISION (CL 11601)	5.1	5.7	5.4	BRIGHTSTAR SLT	4.2	5.1	4.6
ASPIRE (IS-PR 489)	5.2	5.6	5.4	DLF LGT 4182	4.1	4.8	4.5
MONSIEUR (IS-PR 488)	5.1	5.7	5.4	PICK 4DFHM	4.1	4.8	4.5
EXPEDITE (CL 307)	5.1	5.6	5.4	BAR LP 7608	3.8	4.9	4.3
ALLANTE	5.1	5.6	5.4	GO-DHS	3.7	4.7	4.2
DLF LGD-3022	5.1	5.7	5.4	PINNACLE	3.0	4.3	3.6
PPG-PR 142	5.1	5.6	5.4	LINN	1.3	2.8	2.1
PSRX-4CAGL	5.1	5.6	5.4				
CS-PR66	5.1	5.6	5.4	LSD VALUE	0.8	0.8	0.8
HANCOCK (IS-PR 479)	5.1	5.6	5.4	C.V. (%)	10.5	9.5	10.0
PROVOST (PPG-PR 143)	5.1	5.6	5.3				

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- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
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TABLE 3. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN AT SEVEN LOCATIONS IN THE U.S. FOR AMMI GROUP 3 **/
2011 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/								
NAME	IL1	VA1	MI1	MA1	NE1	MO1	OR1	MEAN
WICKED (SRX-4RHD)	5.7	6.3	6.0	6.0	6.7	5.6	6.6	6.1
STAMINA (IS-PR 487)	5.6	6.2	5.9	6.0	6.6	5.5	6.5	6.0
PANGA GLR (CL 11701)	5.6	6.2	5.9	5.9	6.6	5.4	6.4	6.0
BENCHMARK (PST-2BNS)	5.6	6.2	5.9	5.9	6.6	5.5	6.5	6.0
VISION (CL 11601)	5.5	6.1	5.9	5.9	6.6	5.5	6.5	6.0
EVOLUTION (S85)	5.6	6.2	5.9	5.9	6.6	5.4	6.4	6.0
BANDALORE (IS-PR 463)	5.5	6.2	5.9	5.9	6.6	5.4	6.4	6.0
BANFIELD (IS-PR 491)	5.6	6.2	5.9	5.9	6.6	5.4	6.4	6.0
JR-178	5.5	6.1	5.9	5.9	6.5	5.5	6.5	6.0
DILIGENT (IS-PR 492)	5.5	6.1	5.9	5.9	6.5	5.5	6.5	6.0
AMAZING A+ (PPG-PR 138)	5.5	6.1	5.9	5.9	6.5	5.4	6.4	6.0
SR 4650 (PSRX-3701)	5.5	6.1	5.9	5.9	6.5	5.4	6.4	6.0
RIO VISTA	5.5	6.1	5.9	5.9	6.5	5.4	6.4	6.0
DLF LGD-3022	5.4	6.1	5.8	5.8	6.5	5.4	6.5	5.9
RINOVO	5.5	6.1	5.8	5.8	6.5	5.4	6.4	5.9
THRIVE (IS-PR 469)	5.5	6.1	5.8	5.8	6.5	5.4	6.4	5.9
MONSIEUR (IS-PR 488)	5.4	6.1	5.8	5.8	6.5	5.4	6.4	5.9
PIZZAZZ 2 GLR (PR 909)	5.5	6.1	5.8	5.8	6.5	5.4	6.4	5.9
PREMIUM (PPG-PR 137)	5.4	6.1	5.8	5.8	6.5	5.4	6.4	5.9
SIDEWAYS (PSRX-S84)	5.4	6.0	5.8	5.8	6.5	5.4	6.4	5.9
GRAND SLAM GLD (PPG-PR 164)	5.4	6.0	5.8	5.8	6.4	5.3	6.3	5.9
GO-PR60	5.4	6.0	5.8	5.8	6.4	5.3	6.3	5.9
GREEN SUPREME (PPG-PR 121)	5.4	6.0	5.8	5.8	6.4	5.3	6.3	5.9
KARMA (PICK 10401)	5.5	6.1	5.8	5.8	6.4	5.3	6.3	5.9
PALMER V	5.4	6.0	5.7	5.8	6.4	5.4	6.4	5.9
STELLAR 3GL (PPG-PR 134)	5.4	6.0	5.7	5.8	6.4	5.3	6.3	5.9
SIENNA	5.4	6.0	5.7	5.8	6.4	5.3	6.3	5.9
LTP-PR 135	5.3	6.0	5.7	5.7	6.4	5.4	6.4	5.8
APPLE SGL (PPG-PR 140)	5.3	6.0	5.7	5.7	6.4	5.3	6.4	5.8
METOLIUS (PPG-PR 165)	5.4	6.0	5.7	5.7	6.4	5.3	6.3	5.8
OCTANE	5.3	6.0	5.7	5.7	6.4	5.3	6.3	5.8
UNO	5.3	5.9	5.7	5.7	6.4	5.3	6.3	5.8
SUNSTREAKER (APR 2036)	5.3	6.0	5.7	5.7	6.4	5.3	6.3	5.8
PPG-PR 136	5.4	6.0	5.7	5.7	6.4	5.2	6.2	5.8
PINNACLE III (BAR LP 10970)	5.3	6.0	5.7	5.7	6.4	5.3	6.3	5.8
PPG-PR 142	5.3	5.9	5.7	5.7	6.4	5.3	6.3	5.8
RIPTIDE (IS-PR 409)	5.4	6.0	5.7	5.7	6.3	5.2	6.2	5.8
FIESTA 4	5.3	5.9	5.7	5.7	6.3	5.3	6.3	5.8
PROVOST (PPG-PR 143)	5.3	5.9	5.7	5.7	6.3	5.3	6.3	5.8
JR-192	5.3	5.9	5.6	5.7	6.3	5.3	6.3	5.8
FASTBALL RGL (PPG-PR 133)	5.3	5.9	5.7	5.7	6.3	5.3	6.3	5.8
DOMINATOR (PST-2AG4)	5.3	5.9	5.6	5.7	6.3	5.3	6.3	5.8
PST-2NKM	5.2	5.9	5.6	5.7	6.3	5.3	6.3	5.8
INSIGHT	5.3	5.9	5.6	5.7	6.3	5.2	6.2	5.8
PROMINENT (CS-20)	5.2	5.8	5.6	5.6	6.3	5.4	6.4	5.8
EXPEDITE (CL 307)	5.3	5.9	5.6	5.7	6.3	5.2	6.2	5.8
ALLANTE	5.3	5.9	5.6	5.7	6.3	5.2	6.2	5.8
PSRX-4CAGL	5.3	5.9	5.6	5.7	6.3	5.2	6.2	5.7
HANCOCK (IS-PR 479)	5.3	5.9	5.6	5.7	6.3	5.2	6.2	5.7
RAD-PR55R	5.3	5.9	5.6	5.7	6.3	5.2	6.2	5.7
CS-PR66	5.3	5.9	5.6	5.6	6.3	5.2	6.2	5.7
SOX FAN (GM3)	5.2	5.9	5.6	5.6	6.3	5.2	6.3	5.7

TABLE 3.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN AT SEVEN LOCATIONS IN THE U.S. FOR AMMI GROUP 3 **/
2011 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/								
NAME	IL1	VA1	MI1	MA1	NE1	MO1	OR1	MEAN
APR 2320	5.3	5.9	5.6	5.6	6.3	5.2	6.2	5.7
PRX-4GM1	5.2	5.9	5.6	5.6	6.3	5.2	6.2	5.7
PARKSIDE (PST-2NJK)	5.2	5.9	5.6	5.6	6.3	5.2	6.2	5.7
PILLAR (CST)	5.2	5.9	5.6	5.6	6.3	5.2	6.2	5.7
APR 2445	5.2	5.9	5.6	5.6	6.3	5.2	6.2	5.7
ASPIRE (IS-PR 489)	5.2	5.9	5.6	5.6	6.3	5.2	6.2	5.7
VINTAGE (ISG-36)	5.1	5.8	5.5	5.6	6.2	5.2	6.2	5.7
SEDUCTIVE (ISG-30)	5.1	5.8	5.5	5.6	6.2	5.2	6.2	5.7
BONNEVILLE	5.1	5.8	5.5	5.6	6.2	5.2	6.2	5.7
PPG-PR 128	5.2	5.8	5.5	5.6	6.2	5.2	6.2	5.7
ASP 0112 (A-35)	5.1	5.8	5.5	5.5	6.2	5.2	6.2	5.7
LTP-RAE	5.2	5.8	5.5	5.6	6.2	5.1	6.1	5.6
SR4660ST (SRX-4MSH)	5.1	5.8	5.5	5.5	6.2	5.2	6.2	5.6
PACIFIC GEM (PST-2MG7)	5.1	5.8	5.5	5.5	6.2	5.2	6.2	5.6
PISTOL (PST-2ACR)	5.1	5.8	5.5	5.5	6.2	5.2	6.2	5.6
SALINAS II (PST-204D)	5.1	5.8	5.5	5.5	6.2	5.2	6.2	5.6
PST-2DR9	5.1	5.7	5.5	5.5	6.2	5.1	6.2	5.6
BRIGHTSTAR SLT	5.0	5.7	5.4	5.5	6.2	5.2	6.2	5.6
RAINWATER (PST-2TQL)	5.1	5.7	5.4	5.5	6.1	5.1	6.2	5.6
HAVEN (APR 2038)	5.1	5.7	5.4	5.5	6.1	5.1	6.1	5.6
BAR LP 10969	5.1	5.7	5.4	5.5	6.1	5.1	6.1	5.6
EXCELLENCE (ISG-31)	5.0	5.7	5.4	5.5	6.1	5.2	6.2	5.6
MANHATTAN 6 GLR (PST-2MAGS)	5.1	5.7	5.4	5.5	6.1	5.1	6.1	5.6
PLAYOFF 2 (P02)	5.0	5.7	5.4	5.5	6.1	5.1	6.1	5.6
PST-2K9	5.1	5.7	5.4	5.5	6.1	5.0	6.0	5.6
DLF LGD-3026	5.0	5.7	5.4	5.4	6.1	5.1	6.1	5.5
GO-G37	5.0	5.7	5.4	5.4	6.1	5.1	6.1	5.5
MACH I	5.1	5.7	5.4	5.4	6.1	5.0	6.0	5.5
BAR LP 7608	4.9	5.5	5.3	5.3	6.0	5.1	6.1	5.5
PEPPER (RAD-PR62)	5.0	5.6	5.3	5.4	6.0	5.0	6.0	5.5
BAR LP 10972	4.9	5.6	5.3	5.3	6.0	4.9	5.9	5.4
PICK 4DFHM	4.7	5.4	5.1	5.1	5.8	4.8	5.8	5.2
DLF LGT 4182	4.7	5.3	5.1	5.1	5.8	4.8	5.8	5.2
GO-DHS	4.6	5.3	5.0	5.0	5.7	4.8	5.8	5.2
PINNACLE	4.4	5.1	4.9	4.9	5.6	4.7	5.8	5.1
LINN	3.1	3.8	3.6	3.6	4.3	3.5	4.5	3.8
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	10.0	8.9	9.4	9.3	8.3	10.0	8.4	9.2

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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 1/
GROWN AT TWO LOCATIONS IN THE U.S. FOR AMMI GROUP 4 **/
2011 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA3	IA1	MEAN	NAME	CA3	IA1	MEAN
VISION (CL 11601)	7.0	6.0	6.5	PACIFIC GEM (PST-2MG7)	6.7	5.7	6.2
STAMINA (IS-PR 487)	7.0	6.0	6.5	EXPEDITE (CL 307)	6.7	5.7	6.2
WICKED (SRX-4RHD)	7.0	6.0	6.5	ALLANTE	6.7	5.7	6.2
DILIGENT (IS-PR 492)	7.0	6.0	6.5	FIESTA 4	6.7	5.7	6.2
PROMINENT (CS-20)	7.0	6.0	6.5	METOLIUS (PPG-PR 165)	6.7	5.7	6.2
DLF LGD-3022	6.9	5.9	6.4	HANCOCK (IS-PR 479)	6.7	5.7	6.2
MONSIEUR (IS-PR 488)	6.9	5.9	6.4	PSRX-4CAGL	6.7	5.7	6.2
BENCHMARK (PST-2BNS)	6.9	5.9	6.4	ASP 0112 (A-35)	6.7	5.7	6.2
JR-178	6.9	5.9	6.4	INSIGHT	6.7	5.7	6.2
BANDALORE (IS-PR 463)	6.9	5.9	6.4	CS-PR66	6.7	5.7	6.2
EVOLUTION (S85)	6.9	5.9	6.4	PRX-4GM1	6.7	5.7	6.2
LTP-PR 135	6.9	5.9	6.4	PPG-PR 128	6.7	5.7	6.2
AMAZING A+ (PPG-PR 138)	6.9	5.9	6.4	PILLAR (CST)	6.7	5.7	6.2
RIO VISTA	6.9	5.9	6.4	PISTOL (PST-2ACR)	6.7	5.7	6.2
BANFIELD (IS-PR 491)	6.9	5.9	6.4	PPG-PR 136	6.7	5.7	6.2
SIDEWAYS (PSRX-S84)	6.9	5.9	6.4	RAD-PR55R	6.7	5.7	6.2
SR 4650 (PSRX-3701)	6.9	5.9	6.4	RAINWATER (PST-2TQL)	6.7	5.7	6.2
PIZZAZZ 2 GLR (PR 909)	6.8	5.8	6.3	PST-2DR9	6.7	5.7	6.2
PANGAEA GLR (CL 11701)	6.8	5.8	6.3	BAR LP 7608	6.7	5.7	6.2
APPLE SGL (PPG-PR 140)	6.8	5.8	6.3	KARMA (PICK 10401)	6.7	5.7	6.2
PALMER V	6.8	5.8	6.3	SALINAS II (PST-204D)	6.7	5.7	6.2
PREMIUM (PPG-PR 137)	6.8	5.8	6.3	SR4660ST (SRX-4MSH)	6.7	5.7	6.2
THRIVE (IS-PR 469)	6.8	5.8	6.3	APR 2320	6.7	5.7	6.2
PST-2NKM	6.8	5.8	6.3	APR 2445	6.7	5.7	6.2
UNO	6.8	5.8	6.3	HAVEN (APR 2038)	6.6	5.7	6.2
RINOVO	6.8	5.8	6.3	PLAYOFF 2 (P02)	6.6	5.6	6.1
STELLAR 3GL (PPG-PR 134)	6.8	5.8	6.3	RIPTIDE (IS-PR 409)	6.6	5.6	6.1
GRAND SLAM GLD (PPG-PR 164)	6.8	5.8	6.3	ASPIRE (IS-PR 489)	6.6	5.6	6.1
JR-192	6.8	5.8	6.3	BAR LP 10969	6.6	5.6	6.1
PPG-PR 142	6.8	5.8	6.3	MANHATTAN 6 GLR (PST-2MAGS)	6.6	5.6	6.1
VINTAGE (ISG-36)	6.8	5.8	6.3	LTP-RAE	6.6	5.6	6.1
SEDUCTIVE (ISG-30)	6.8	5.8	6.3	DLF LGD-3026	6.6	5.6	6.1
PROVOST (PPG-PR 143)	6.8	5.8	6.3	GO-G37	6.6	5.6	6.1
BRIGHTSTAR SLT	6.7	5.8	6.3	PST-2K9	6.5	5.5	6.0
OCTANE	6.7	5.7	6.2	MACH I	6.5	5.5	6.0
DOMINATOR (PST-2AG4)	6.7	5.7	6.2	PEPPER (RAD-PR62)	6.4	5.4	5.9
PARKSIDE (PST-2NJK)	6.7	5.7	6.2	BAR LP 10972	6.4	5.4	5.9
GO-PR60	6.7	5.7	6.2	PINNACLE	6.4	5.4	5.9
BONNEVILLE	6.7	5.7	6.2	PICK 4DFHM	6.3	5.3	5.8
SIENNA	6.7	5.7	6.2	GO-DHS	6.3	5.3	5.8
SOX FAN (GM3)	6.7	5.7	6.2	DLF LGT 4182	6.3	5.3	5.8
GREEN SUPREME(PPG-PR 121)	6.7	5.7	6.2	LINN	5.2	4.2	4.7
PINNACLE III (BAR LP 10970)	6.7	5.7	6.2				
SUNSTREAKER (APR 2036)	6.7	5.7	6.2	LSD VALUE	0.8	0.8	0.8
EXCELLENCE (ISG-31)	6.7	5.7	6.2	C.V. (%)	7.8	9.2	8.4
FASTBALL RGL (PPG-PR 133)	6.7	5.7	6.2				

- * ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ2	VA1	IA1	CA3	MEAN
WICKED (SRX-4RHD)	6.1	6.7	6.0	7.2	6.5
EVOLUTION (S85)	5.9	6.6	5.9	7.2	6.4
PANGEA GLR (CL 11701)	5.8	6.5	5.8	7.1	6.3
SALINAS II (PST-204D)	5.6	6.4	5.8	7.0	6.2
BENCHMARK (PST-2BNS)	5.3	6.4	5.8	7.1	6.1
PST-2NKM	5.5	6.4	5.7	7.0	6.1
APR 2445	5.6	6.3	5.7	7.0	6.1
DOMINATOR (PST-2AG4)	5.6	6.2	5.7	7.0	6.1
PST-2K9	5.4	6.3	5.7	7.0	6.1
STELLAR 3GL (PPG-PR 134)	4.9	6.5	5.8	7.1	6.1
KARMA (PICK 10401)	5.5	6.2	5.6	6.9	6.1
GO-PR60	5.7	5.8	5.6	7.1	6.0
PISTOL (PST-2ACR)	5.5	6.1	5.6	6.9	6.0
BANFIELD (IS-PR 491)	5.5	5.9	5.6	7.1	6.0
RAINWATER (PST-2TQL)	5.6	6.0	5.6	6.9	6.0
DILIGENT (IS-PR 492)	5.1	6.2	5.7	7.1	6.0
PINNACLE III (BAR LP 10970)	5.4	6.1	5.6	6.9	6.0
ASP 0112 (A-35)	5.2	5.9	5.6	7.1	6.0
FASTBALL RGL (PPG-PR 133)	5.0	6.2	5.6	7.1	6.0
SIDEWAYS (PSRX-S84)	5.2	6.3	5.6	6.8	6.0
GO-G37	5.1	6.0	5.6	7.1	6.0
BAR LP 10969	5.5	5.7	5.5	7.1	6.0
HAVEN (APR 2038)	4.7	6.6	5.7	6.8	6.0
PROMINENT (CS-20)	4.7	6.1	5.8	7.2	6.0
THRIVE (IS-PR 469)	4.9	6.0	5.7	7.2	5.9
BANDALORE (IS-PR 463)	5.5	5.8	5.5	7.0	5.9
PST-2DR9	5.2	6.1	5.5	6.8	5.9
GRAND SLAM GLD (PPG-PR 164)	4.9	6.1	5.6	7.1	5.9
BAR LP 10972	5.5	5.9	5.5	6.8	5.9
EXCELLENCE (ISG-31)	4.9	5.9	5.6	7.2	5.9
PEPPER (RAD-PR62)	5.0	6.0	5.6	7.1	5.9
PARKSIDE (PST-2NJK)	5.1	6.1	5.5	6.8	5.9
GREEN SUPREME(PPG-PR 121)	5.0	6.1	5.5	6.9	5.9
PACIFIC GEM (PST-2MG7)	4.8	6.1	5.6	6.9	5.9
RAD-PR55R	5.0	5.6	5.5	7.3	5.9
PPG-PR 136	5.2	5.9	5.4	6.9	5.9
EXPEDITE (CL 307)	5.0	6.0	5.5	6.9	5.9
VISION (CL 11601)	4.6	6.2	5.6	7.0	5.8
SEDUCTIVE (ISG-30)	5.0	5.8	5.5	7.1	5.8
APR 2320	5.4	5.3	5.4	7.2	5.8
DLF LGT 4182	5.0	6.0	5.5	6.8	5.8
DLF LGD-3022	5.0	5.9	5.4	6.9	5.8
RIO VISTA	5.5	5.7	5.3	6.7	5.8
FIESTA 4	5.0	5.7	5.4	7.1	5.8
PREMIUM (PPG-PR 137)	5.0	6.0	5.4	6.8	5.8
UNO	4.8	6.0	5.5	6.9	5.8
OCTANE	4.9	5.8	5.4	7.0	5.8
VINTAGE (ISG-36)	5.1	5.7	5.4	6.9	5.8
PALMER V	4.8	5.8	5.5	7.1	5.8
CS-PR66	4.9	5.7	5.4	7.0	5.8
STAMINA (IS-PR 487)	4.8	5.7	5.4	7.0	5.7

TABLE 5. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ2	VA1	IA1	CA3	MEAN
GO-DHS	4.8	5.8	5.5	6.9	5.7
SR 4650 (PSRX-3701)	4.6	5.8	5.4	7.0	5.7
METOLIUS (PPG-PR 165)	5.0	5.7	5.3	6.9	5.7
ASPAIRE (IS-PR 489)	4.6	5.8	5.4	7.0	5.7
AMAZING A+ (PPG-PR 138)	4.5	5.8	5.4	7.1	5.7
RIPTIDE (IS-PR 409)	5.0	5.5	5.3	7.0	5.7
RINOVO	4.5	6.0	5.4	6.9	5.7
PIZZAZZ 2 GLR (PR 909)	4.6	5.7	5.4	7.0	5.7
PRX-4GM1	4.5	5.9	5.4	6.8	5.7
SR4660ST (SRX-4MSH)	4.7	5.8	5.3	6.8	5.7
SUNSTREAKER (APR 2036)	4.5	5.8	5.4	6.9	5.7
PPG-PR 128	4.7	5.7	5.3	6.8	5.7
JR-178	4.9	5.6	5.3	6.9	5.6
PLAYOFF 2 (P02)	4.6	5.8	5.4	6.8	5.6
BONNEVILLE	4.5	5.7	5.3	6.9	5.6
PROVOST (PPG-PR 143)	4.4	5.8	5.3	6.8	5.6
MANHATTAN 6 GLR (PST-2MAGS)	4.2	5.8	5.4	6.9	5.6
APPLE SGL (PPG-PR 140)	4.2	5.7	5.3	7.0	5.6
HANCOCK (IS-PR 479)	4.9	5.1	5.2	7.0	5.6
BRIGHTSTAR SLT	4.3	5.6	5.3	6.9	5.5
BAR LP 7608	4.4	5.5	5.3	6.9	5.5
PICK 4DFHM	4.0	5.8	5.4	6.9	5.5
LTP-PR 135	4.3	5.7	5.2	6.8	5.5
MACH I	4.9	5.1	5.1	6.9	5.5
SOX FAN (GM3)	4.5	5.4	5.1	6.9	5.5
LTP-RAE	4.7	5.3	5.1	6.8	5.4
PILLAR (CST)	4.3	5.4	5.2	7.0	5.4
PPG-PR 142	4.4	5.5	5.1	6.8	5.4
PSRX-4CAGL	4.3	5.3	5.1	6.8	5.4
MONSIEUR (IS-PR 488)	4.2	5.4	5.1	6.8	5.4
DLF LGD-3026	4.1	5.5	5.1	6.7	5.4
JR-192	4.4	5.1	5.0	6.7	5.3
ALLANTE	3.7	5.0	5.0	7.0	5.2
PINNACLE	3.2	5.2	4.9	6.6	5.0
SIENNA	3.9	4.1	4.6	7.0	4.9
INSIGHT	3.5	4.3	4.6	6.9	4.8
LINN	0.7	4.1	3.7	5.3	3.5
LSD VALUE	0.8	0.8	0.8	0.8	0.8
C.V. (%)	9.9	8.3	8.9	6.9	8.3

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

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 6. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MI1	MN1	MO1	NE1	MEAN
EVOLUTION (S85)	7.5	5.9	6.0	6.1	6.4
SR 4650 (PSRX-3701)	7.5	5.8	5.9	6.1	6.3
KARMA (PICK 10401)	7.5	5.9	5.8	5.9	6.3
PANGEA GLR (CL 11701)	7.4	5.7	5.9	6.0	6.3
RIO VISTA	7.6	5.9	5.6	5.8	6.3
BANFIELD (IS-PR 491)	7.5	5.6	5.9	6.0	6.3
PIZZAZZ 2 GLR (PR 909)	7.4	5.7	5.8	6.0	6.2
BANDALORE (IS-PR 463)	7.5	5.6	5.8	5.9	6.2
METOLIUS (PPG-PR 165)	7.5	5.7	5.7	5.9	6.2
STAMINA (IS-PR 487)	7.4	5.6	5.9	6.0	6.2
RIPTIDE (IS-PR 409)	7.5	5.6	5.8	6.0	6.2
WICKED (SRX-4RHD)	7.3	5.5	6.0	6.0	6.2
GRAND SLAM GLD (PPG-PR 164)	7.3	5.5	5.9	6.1	6.2
APR 2320	7.5	5.1	6.0	6.0	6.2
SIENNA	7.6	5.2	5.7	6.0	6.2
AMAZING A+ (PPG-PR 138)	7.3	5.4	5.8	6.0	6.1
FIESTA 4	7.3	5.4	5.8	6.0	6.1
EXPEDITE (CL 307)	7.3	5.6	5.7	5.9	6.1
PPG-PR 136	7.3	5.5	5.7	5.8	6.1
JR-178	7.3	5.5	5.7	5.9	6.1
HANCOCK (IS-PR 479)	7.4	5.1	5.8	5.9	6.1
BENCHMARK (PST-2BNS)	7.1	5.3	5.9	6.0	6.1
RINOVO	7.1	5.5	5.7	5.9	6.1
SIDEWAYS (PSRX-S84)	7.2	5.6	5.7	5.8	6.1
VISION (CL 11601)	7.1	5.4	5.8	6.0	6.1
SUNSTREAKER (APR 2036)	7.2	5.4	5.7	5.9	6.0
SOX FAN (GM3)	7.3	5.3	5.7	5.9	6.0
APPLE SGL (PPG-PR 140)	7.1	5.3	5.8	6.0	6.0
PROVOST (PPG-PR 143)	7.1	5.5	5.6	5.9	6.0
GREEN SUPREME(PPG-PR 121)	7.1	5.5	5.7	5.8	6.0
GO-PR60	7.2	5.0	5.9	5.9	6.0
OCTANE	7.1	5.2	5.8	5.9	6.0
RAD-PR55R	7.2	4.8	6.0	6.0	6.0
ASPAIRE (IS-PR 489)	7.1	5.2	5.8	5.9	6.0
PREMIUM (PPG-PR 137)	7.1	5.4	5.6	5.8	6.0
DILIGENT (IS-PR 492)	7.0	5.0	5.9	5.9	6.0
THRIVE (IS-PR 469)	7.0	4.9	5.9	6.0	6.0
APR 2445	7.1	5.2	5.8	5.8	6.0
PALMER V	7.1	5.0	5.8	5.9	6.0
FASTBALL RGL (PPG-PR 133)	7.0	5.1	5.8	5.9	6.0
BONNEVILLE	7.0	5.2	5.7	5.9	6.0
CS-PR66	7.1	5.1	5.7	5.9	5.9
LTP-PR 135	7.0	5.3	5.6	5.8	5.9
UNO	7.0	5.2	5.7	5.8	5.9
PPG-PR 128	7.1	5.2	5.6	5.8	5.9
DLF LGD-3022	7.1	5.2	5.7	5.8	5.9
PPG-PR 142	7.1	5.3	5.6	5.8	5.9
DOMINATOR (PST-2AG4)	7.0	5.1	5.8	5.8	5.9
BAR LP 10969	7.2	4.9	5.8	5.8	5.9
PILLAR (CST)	7.1	5.0	5.7	5.9	5.9
LTP-RAE	7.2	5.1	5.6	5.7	5.9

TABLE 6. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MI1	MN1	MO1	NE1	MEAN
PSRX-4CAGL	7.1	5.1	5.6	5.8	5.9
JR-192	7.1	5.1	5.5	5.7	5.9
PARKSIDE (PST-2NJK)	7.0	5.2	5.6	5.7	5.9
PRX-4GM1	6.9	5.1	5.6	5.8	5.8
MONSIEUR (IS-PR 488)	7.0	5.1	5.6	5.8	5.8
SR4660ST (SRX-4MSH)	6.9	5.1	5.6	5.7	5.8
INSIGHT	7.1	4.7	5.6	5.8	5.8
PST-2K9	6.9	5.0	5.7	5.7	5.8
PINNACLE III (BAR LP 10970)	6.9	5.0	5.6	5.7	5.8
STELLAR 3GL (PPG-PR 134)	6.7	4.8	5.8	5.9	5.8
MACH I	7.1	4.8	5.6	5.7	5.8
RAINWATER (PST-2TQL)	7.0	4.9	5.7	5.7	5.8
PISTOL (PST-2ACR)	6.9	5.0	5.6	5.7	5.8
PST-2NKM	6.8	4.9	5.7	5.7	5.8
ALLANTE	6.9	4.6	5.7	5.9	5.8
BAR LP 10972	6.8	4.7	5.6	5.5	5.7
VINTAGE (ISG-36)	6.8	4.5	5.7	5.7	5.6
PEPPER (RAD-PR62)	6.7	4.4	5.8	5.7	5.6
SEDUCTIVE (ISG-30)	6.7	4.4	5.7	5.7	5.6
ASP 0112 (A-35)	6.7	4.4	5.8	5.7	5.6
MANHATTAN 6 GLR (PST-2MAGS)	6.6	4.6	5.6	5.7	5.6
SALINAS II (PST-204D)	6.6	4.6	5.7	5.6	5.6
EXCELLENCE (ISG-31)	6.6	4.3	5.8	5.8	5.6
GO-G37	6.6	4.3	5.8	5.7	5.6
PACIFIC GEM (PST-2MG7)	6.5	4.5	5.6	5.7	5.6
PST-2DR9	6.6	4.6	5.5	5.5	5.6
PLAYOFF 2 (P02)	6.5	4.4	5.5	5.6	5.5
DLF LGD-3026	6.5	4.4	5.4	5.5	5.5
HAVEN (APR 2038)	6.2	4.5	5.5	5.6	5.4
BRIGHTSTAR SLT	6.4	4.1	5.6	5.6	5.4
PICK 4DFHM	6.2	4.1	5.6	5.6	5.4
BAR LP 7608	6.3	3.9	5.5	5.5	5.3
PROMINENT (CS-20)	6.1	3.6	5.8	5.7	5.3
DLF LGT 4182	6.1	3.8	5.4	5.3	5.2
GO-DHS	5.9	3.3	5.5	5.3	5.0
PINNACLE	5.6	3.2	5.2	5.2	4.8
LINN	3.0	0.3	3.7	3.6	2.6
LSD VALUE	0.8	0.8	0.8	0.8	0.8
C.V. (%)	6.9	9.7	8.4	8.3	8.2

* 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 7. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	MD1	IL1	OR1	MEAN
SR 4650 (PSRX-3701)	6.3	6.3	6.3	5.9	6.2
VISION (CL 11601)	6.1	6.5	6.2	5.9	6.2
RINOVO	6.1	6.5	6.2	5.8	6.2
PIZZAZZ 2 GLR (PR 909)	6.2	6.1	6.2	5.9	6.1
EVOLUTION (S85)	6.0	6.0	6.3	5.8	6.1
PROVOST (PPG-PR 143)	6.0	6.3	6.1	5.7	6.0
APPLE SGL (PPG-PR 140)	6.1	6.0	6.1	5.9	6.0
KARMA (PICK 10401)	6.0	6.1	6.3	5.7	6.0
GRAND SLAM GLD (PPG-PR 164)	6.1	5.9	6.2	5.9	6.0
AMAZING A+ (PPG-PR 138)	6.1	5.9	6.1	5.9	6.0
SIDEWAYS (PSRX-S84)	5.8	6.3	6.2	5.6	6.0
SUNSTREAKER (APR 2036)	6.0	5.9	6.1	5.8	5.9
LTP-PR 135	5.9	6.1	6.0	5.7	5.9
EXPEDITE (CL 307)	6.0	6.0	6.1	5.7	5.9
STAMINA (IS-PR 487)	6.1	5.6	6.1	5.8	5.9
METOLIUS (PPG-PR 165)	6.0	5.7	6.1	5.7	5.9
GREEN SUPREME(PPG-PR 121)	5.8	6.0	6.0	5.6	5.9
PANGEA GLR (CL 11701)	5.9	5.6	6.1	5.7	5.9
BENCHMARK (PST-2BNS)	5.9	5.6	6.0	5.8	5.8
BONNEVILLE	5.9	5.7	5.9	5.7	5.8
PRX-4GM1	5.8	5.8	5.9	5.6	5.8
STELLAR 3GL (PPG-PR 134)	5.7	5.7	5.9	5.8	5.8
WICKED (SRX-4RHD)	5.8	5.5	6.0	5.7	5.8
PREMIUM (PPG-PR 137)	5.8	5.7	5.9	5.5	5.7
ASPAIRE (IS-PR 489)	5.9	5.4	5.9	5.8	5.7
PPG-PR 136	5.8	5.5	6.0	5.6	5.7
PPG-PR 142	5.8	5.6	5.9	5.6	5.7
UNO	5.8	5.5	5.9	5.7	5.7
FASTBALL RGL (PPG-PR 133)	5.8	5.4	5.9	5.7	5.7
JR-178	5.9	5.4	5.9	5.6	5.7
BANFIELD (IS-PR 491)	5.9	5.1	6.0	5.7	5.7
RIPTIDE (IS-PR 409)	6.0	5.1	5.9	5.7	5.7
FIESTA 4	5.9	5.1	5.9	5.7	5.7
RIO VISTA	5.9	5.4	6.0	5.4	5.7
PPG-PR 128	5.8	5.4	5.8	5.6	5.7
DILIGENT (IS-PR 492)	5.8	5.2	5.8	5.8	5.6
MONSIEUR (IS-PR 488)	5.8	5.3	5.8	5.6	5.6
OCTANE	5.8	5.2	5.8	5.7	5.6
HAVEN (APR 2038)	5.4	5.8	5.7	5.6	5.6
SOX FAN (GM3)	5.9	5.1	5.8	5.7	5.6
BANDALORE (IS-PR 463)	5.9	5.0	5.9	5.6	5.6
MANHATTAN 6 GLR (PST-2MAGS)	5.7	5.4	5.7	5.7	5.6
SR4660ST (SRX-4MSH)	5.7	5.3	5.7	5.5	5.6
THRIVE (IS-PR 469)	5.8	4.9	5.7	5.8	5.6
PSRX-4CAGL	5.8	5.1	5.7	5.6	5.6
PILLAR (CST)	5.9	5.0	5.7	5.7	5.6
PARKSIDE (PST-2NJK)	5.6	5.3	5.8	5.5	5.6
DLF LGD-3022	5.7	5.2	5.8	5.5	5.5
PALMER V	5.8	4.9	5.7	5.8	5.5
CS-PR66	5.8	4.9	5.7	5.6	5.5
APR 2445	5.6	5.0	5.7	5.5	5.5

TABLE 7. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	MD1	IL1	OR1	MEAN
PST-2K9	5.5	5.1	5.7	5.5	5.5
ALLANTE	5.9	4.5	5.5	5.8	5.4
JR-192	5.7	4.8	5.6	5.5	5.4
PST-2NKM	5.5	5.0	5.6	5.5	5.4
DOMINATOR (PST-2AG4)	5.6	4.7	5.6	5.5	5.3
PINNACLE III (BAR LP 10970)	5.5	4.8	5.6	5.4	5.3
LTP-RAE	5.7	4.6	5.6	5.4	5.3
PACIFIC GEM (PST-2MG7)	5.4	4.8	5.5	5.6	5.3
PICK 4DFHM	5.4	4.7	5.3	5.6	5.3
SIENNA	6.1	3.8	5.5	5.7	5.3
RAD-PR55R	5.8	4.0	5.5	5.8	5.3
PISTOL (PST-2ACR)	5.4	4.6	5.5	5.4	5.2
PLAYOFF 2 (P02)	5.4	4.7	5.4	5.5	5.2
DLF LGD-3026	5.4	4.7	5.3	5.4	5.2
HANCOCK (IS-PR 479)	5.8	3.9	5.5	5.6	5.2
INSIGHT	5.9	3.8	5.3	5.6	5.2
SALINAS II (PST-204D)	5.3	4.5	5.4	5.4	5.2
PST-2DR9	5.3	4.6	5.4	5.3	5.1
RAINWATER (PST-2TQL)	5.4	4.3	5.4	5.4	5.1
PEPPER (RAD-PR62)	5.4	4.1	5.3	5.6	5.1
GO-PR60	5.6	3.9	5.4	5.5	5.1
EXCELLENCE (ISG-31)	5.5	4.0	5.3	5.7	5.1
SEDUCTIVE (ISG-30)	5.4	3.9	5.3	5.6	5.0
BRIGHTSTAR SLT	5.4	4.1	5.2	5.5	5.0
APR 2320	5.8	3.3	5.4	5.7	5.0
BAR LP 10969	5.5	3.7	5.3	5.5	5.0
GO-G37	5.4	3.9	5.2	5.6	5.0
VINTAGE (ISG-36)	5.4	3.8	5.2	5.4	5.0
ASP 0112 (A-35)	5.3	3.7	5.2	5.5	4.9
BAR LP 10972	5.2	3.9	5.2	5.3	4.9
MACH I	5.5	3.5	5.2	5.4	4.9
PROMINENT (CS-20)	5.2	3.5	4.9	5.7	4.8
BAR LP 7608	5.2	3.4	4.9	5.4	4.7
PINNACLE	4.9	3.8	4.6	5.3	4.7
DLF LGT 4182	4.9	3.5	4.8	5.2	4.6
GO-DHS	4.8	2.8	4.5	5.2	4.3
LINN	3.2	2.2	2.8	4.0	3.1
LSD VALUE	0.8	0.8	0.8	0.8	0.8
C.V. (%)	8.4	9.7	8.5	8.6	8.8

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

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

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

TABLE 8.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S.
2013 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF												
NAME	IA1	IL1	MA1	MD1	MI1	MN1	MO1	NE1	NJ2	OR1	VA1	MEAN
BENCHMARK (PST-2BNS)	6.3	5.8	6.0	6.0	6.5	3.0	6.1	6.2	5.6	6.3	6.8	5.9
ASPIRE (IS-PR 491)	5.9	6.2	5.9	5.4	6.9	4.0	6.1	6.1	6.2	6.4	5.2	5.9
PANGA GLR (CL 11701)	6.4	5.8	6.2	7.0	6.8	1.3	6.3	5.7	6.1	6.2	6.6	5.8
WICKED (SRX-4RHD)	5.9	6.3	5.9	6.0	6.5	2.7	6.0	5.7	5.8	6.4	6.6	5.8
GRAND SLAM GLD (PPG-PR 164)	6.1	5.8	6.8	5.5	6.8	1.7	6.5	5.9	5.9	6.6	6.1	5.8
STELLAR 3GL (PPG-PR 134)	6.1	6.2	5.9	5.3	6.5	3.7	6.0	5.8	5.5	6.1	6.3	5.8
UNO	5.5	6.0	5.6	5.5	6.6	3.7	5.9	6.3	5.8	6.1	6.3	5.7
PST-2NKM	6.2	6.4	5.5	5.5	6.9	4.0	5.6	5.7	5.1	5.8	6.4	5.7
THRIVE (IS-PR 469)	6.3	6.4	6.0	5.4	6.2	1.7	6.5	5.9	5.8	6.4	6.2	5.7
SUNSTREAKER (APR 2036)	5.1	6.0	6.2	6.0	6.5	3.0	5.9	5.7	5.5	6.1	6.2	5.7
KARMA (PICK 10401)	6.1	6.2	6.2	6.0	6.8	1.0	5.9	5.9	5.6	6.2	6.2	5.6
EVOLUTION (S85)	5.7	6.0	5.8	6.0	6.9	1.0	6.2	5.3	5.6	6.4	6.7	5.6
STAMINA (IS-PR 487)	5.9	6.0	6.1	5.4	6.9	2.3	6.1	5.3	4.9	6.2	6.2	5.6
GREEN SUPREME (PPG-PR 121)	6.1	6.1	6.1	5.8	6.3	2.3	5.5	5.9	5.4	6.3	5.5	5.6
AMAZING A+ (PPG-PR 138)	5.7	5.6	6.2	5.2	6.9	3.3	5.6	5.5	5.1	6.3	5.8	5.6
APPLE SGL (PPG-PR 140)	5.8	6.0	6.0	5.8	6.6	4.0	5.5	5.4	4.3	6.0	6.0	5.6
SR 4650 (PSRX-3701)	5.6	6.1	6.0	6.5	7.1	1.0	5.3	5.8	5.4	6.1	6.2	5.6
RIPTIDE (IS-PR 409)	4.5	5.5	6.0	4.6	6.9	3.7	5.7	6.0	5.7	6.4	6.2	5.6
SIDEWAYS (PSRX-S84)	5.6	6.0	5.8	6.1	6.3	1.7	5.9	5.9	5.3	6.1	6.3	5.6
SR4660ST (SRX-4MSH)	6.0	6.1	6.0	5.2	6.7	2.0	5.6	6.1	5.3	5.6	6.5	5.6
LTP-PR 135	5.4	6.0	6.2	5.8	6.5	2.3	5.8	5.8	4.9	6.3	6.1	5.6
RAD-PR55R	5.6	5.4	5.2	4.1	6.8	4.3	5.5	6.0	5.2	6.4	6.4	5.5
PROVOST (PPG-PR 143)	4.8	6.1	6.0	5.9	6.9	3.0	6.0	5.5	4.5	6.3	5.9	5.5
APR 2320	6.2	5.8	5.5	3.0	6.8	5.0	5.8	5.8	5.4	6.0	5.7	5.5
BANFIELD (IS-PR 489)	5.8	5.5	5.6	5.3	6.6	2.3	5.7	5.8	5.6	6.4	6.0	5.5
PALMER V	5.3	5.8	5.5	4.9	6.4	3.0	5.4	6.0	5.8	6.3	6.2	5.5
PSRX-4CAGL	4.8	5.6	6.0	5.0	6.5	4.0	6.0	5.8	5.2	6.1	5.5	5.5
SOX FAN (GM3)	5.2	5.4	5.8	4.9	6.6	3.7	5.0	6.0	5.0	6.2	6.5	5.5
PPG-PR 136	5.8	5.6	6.1	6.0	6.6	1.0	5.7	5.6	5.5	6.1	6.1	5.5
BANDALORE (IS-PR 463)	5.4	5.7	5.6	5.4	6.1	1.3	6.0	6.0	6.4	6.3	5.8	5.5
VISION (CL 11601)	6.1	6.1	5.5	6.8	6.8	1.3	5.6	5.3	4.8	5.9	5.9	5.5
RIO VISTA	5.2	6.0	6.1	5.7	6.7	1.3	5.9	6.1	5.4	6.3	5.2	5.5
METOLIUS (PPG-PR 165)	5.5	6.1	5.9	6.1	6.7	1.3	5.5	5.6	5.4	6.1	5.8	5.5
HAVEN (APR 2038)	5.2	5.4	5.3	5.9	6.4	3.0	5.4	6.0	5.0	6.0	6.3	5.5
JR-178	5.1	5.9	6.1	5.2	6.7	2.0	5.9	5.9	5.2	6.2	5.8	5.5
SALINAS II (PST-204D)	5.5	5.7	5.2	4.4	6.7	2.7	5.7	6.0	5.4	6.0	6.7	5.5
EXPEDITE (CL 307)	5.4	5.5	5.8	6.4	6.6	1.3	6.0	6.0	5.0	6.0	5.9	5.5
PST-PARKSIDE (PST-2NJK)	5.5	6.0	5.3	5.3	6.9	2.0	5.6	5.6	4.8	5.9	7.0	5.4
DILIGENT (IS-PR 492)	5.3	6.3	5.8	5.5	6.5	1.0	6.6	5.6	5.1	6.3	5.8	5.4
PIZZAZZ 2 GLR (PR 909)	5.2	5.8	6.4	5.8	6.8	1.0	6.2	5.3	5.4	6.3	5.5	5.4
PRX-4GM1	5.4	5.5	5.7	5.6	6.6	4.0	5.3	4.8	4.9	6.1	6.0	5.4
OCTANE	5.9	5.2	5.8	5.6	6.6	1.3	6.3	5.7	5.5	6.2	5.6	5.4
PREMIUM (PPG-PR 137)	5.6	6.1	5.8	5.5	6.5	1.7	5.5	5.5	5.2	6.1	6.0	5.4
PST-2K9	5.5	5.5	5.5	5.4	6.6	2.0	5.7	5.8	5.6	5.9	6.0	5.4
APR 2445	5.3	5.7	5.5	5.0	6.4	1.3	5.6	5.7	5.9	6.2	6.8	5.4
FASTBALL RGL (PPG-PR 133)	5.3	6.0	5.9	5.2	6.4	1.3	5.9	5.8	5.2	6.3	6.1	5.4
GO-PR60	5.8	5.4	5.3	3.9	6.5	2.3	6.2	6.0	5.5	6.2	6.5	5.4

TABLE 8. (CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S.

2013 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IA1	IL1	MA1	MD1	MI1	MN1	MO1	NE1	NJ2	OR1	VA1	MEAN
PACIFIC GEM (PST-2MG7)	6.1	5.6	5.6	5.0	6.3	2.0	5.5	5.9	4.8	6.1	6.6	5.4
CS-PR66	5.2	5.4	5.5	4.8	6.2	2.7	5.6	6.1	5.1	6.1	6.4	5.4
BONNEVILLE	5.7	5.2	5.3	5.3	6.8	3.0	6.0	5.3	4.6	6.3	5.6	5.4
RINOVO	4.7	6.0	6.3	5.5	6.2	1.0	5.9	5.8	5.7	6.3	5.5	5.4
PPG-PR 142	5.9	5.7	5.7	6.0	6.6	2.3	5.3	5.3	4.4	6.1	5.6	5.4
PILLAR (CST)	5.8	5.7	6.3	5.2	6.4	1.7	6.0	6.0	4.3	6.1	5.4	5.4
PINNACLE III (BAR LP 10970)	6.1	5.8	5.6	4.7	6.5	1.3	5.4	5.7	5.4	6.1	6.2	5.3
DOMINATOR (PST-2AG4)	5.2	5.4	5.3	4.0	6.6	3.7	5.3	5.4	5.4	6.0	6.5	5.3
MONSIEUR (IS-PR 488)	4.8	5.4	5.3	5.7	6.4	2.0	5.5	5.8	5.1	6.4	6.3	5.3
DLF LGD-3022	5.2	5.0	5.4	5.8	6.5	2.7	5.2	5.9	4.8	6.0	6.1	5.3
PST-2DR9	5.4	5.1	5.0	5.1	6.7	2.0	5.5	5.6	5.1	6.3	6.6	5.3
BAR LP 10969	5.2	5.5	5.1	3.4	6.9	4.0	5.6	5.5	5.4	5.8	5.9	5.3
PPG-PR 128	4.9	5.7	5.7	5.1	6.7	2.3	5.6	5.8	4.7	6.1	5.5	5.3
JR-192	5.8	6.3	5.8	3.8	6.7	2.0	6.0	6.0	4.4	6.0	5.5	5.3
FIESTA 4	5.3	5.5	6.0	4.5	6.4	1.0	5.5	5.4	5.7	6.4	6.3	5.3
HANCOCK (IS-PR 479)	5.8	6.1	5.7	4.0	6.7	1.3	5.7	6.0	4.4	6.4	5.8	5.3
RAINWATER (PST-2TQL)	5.3	5.8	5.2	3.7	7.1	2.0	5.6	5.6	5.5	5.8	6.0	5.2
BAR LP 10972	4.9	4.9	5.3	3.8	6.3	4.7	5.4	5.4	4.9	5.8	6.1	5.2
PISTOL (PST-2ACR)	5.8	5.9	4.8	4.6	6.2	1.7	5.5	5.6	4.9	5.8	6.4	5.2
LTP-RAE	5.6	5.1	5.5	4.7	6.7	1.7	5.5	5.8	4.8	6.2	5.5	5.2
MANHATTAN 6 GLR (PST-2MAGS)	4.9	6.1	5.4	5.1	6.4	1.0	5.8	5.9	4.7	6.1	5.6	5.2
PEPPER (RAD-PR62)	6.2	5.0	5.7	3.5	5.8	2.0	5.8	6.0	4.8	6.0	5.8	5.1
PLAYOFF 2 (P02)	5.3	5.6	5.0	4.9	6.2	2.0	5.4	5.7	4.4	6.2	5.9	5.1
ASP 0112 (A-35)	5.8	5.2	5.0	4.2	6.0	2.3	5.3	5.9	4.4	6.4	5.7	5.1
BRIGHTSTAR SLT	4.9	5.5	5.4	3.7	6.7	2.7	5.4	5.9	4.2	5.6	6.0	5.1
SEDUCTIVE (ISG-30)	5.6	5.2	5.1	3.6	6.2	2.0	5.5	5.7	4.2	6.3	5.9	5.0
GO-G37	5.3	5.3	5.2	3.7	6.0	2.0	5.7	5.8	4.5	6.0	5.8	5.0
ALLANTE	5.3	5.9	5.9	3.7	6.4	1.3	5.6	5.4	4.0	5.8	5.3	5.0
EXCELLENCE (ISG-31)	5.5	5.0	5.0	3.7	6.3	2.0	5.1	5.8	4.4	6.2	5.6	5.0
PICK 4DFHM	4.4	5.8	5.3	4.6	6.2	1.0	5.2	5.8	4.3	5.8	5.8	4.9
INSIGHT	4.7	5.4	5.4	2.6	6.6	3.3	5.5	5.4	4.4	6.0	4.6	4.9
PROMINENT (CS-20)	5.4	4.9	5.1	3.7	6.2	2.3	5.2	5.9	4.0	6.1	5.2	4.9
DLF LGT 4182	5.8	4.5	3.9	3.4	5.9	1.3	5.7	5.5	5.1	6.1	6.5	4.9
VINTAGE (ISG-36)	4.9	5.2	4.9	4.0	6.0	1.3	5.5	6.0	4.0	6.3	5.4	4.9
BAR LP 7608	5.6	4.9	5.4	2.2	6.6	3.0	5.3	5.6	3.6	5.8	5.6	4.9
MACH I	4.2	5.3	5.0	3.0	6.2	2.3	5.3	6.0	5.0	6.0	5.2	4.9
DLF LGD-3026	4.2	5.1	5.2	4.7	5.9	1.3	5.3	5.5	4.3	6.2	5.7	4.9
SIENNA	4.4	5.4	6.1	2.4	6.6	1.7	5.7	5.5	4.3	6.1	4.5	4.8
PINNACLE	5.4	5.4	5.0	3.1	5.7	3.7	4.4	5.7	3.0	5.3	5.7	4.8
GO-DHS	4.6	5.0	4.7	2.4	5.9	1.3	5.4	5.8	4.1	5.7	5.8	4.6
LINN	4.6	2.8	2.8	2.1	2.1	1.0	2.6	5.9	1.0	4.6	3.7	3.0
LSD VALUE	1.3	0.7	0.6	0.9	0.6	2.5	0.6	0.6	0.8	0.3	1.0	0.3
C.V. (%)	15.3	7.9	7.0	11.5	5.5	67.7	7.1	6.7	10.2	3.0	10.9	12.4

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. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2014 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	PA1	MA1	NJ2	IL1	MO1	NE1	OR1	MEAN
GRAND SLAM GLD (PPG-PR 164)	7.7	5.6	6.1	6.7	6.8	3.9	6.7	6.2
KARMA (PICK 10401)	7.3	5.4	5.9	6.6	6.7	3.9	6.6	6.1
THRIVE (IS-PR 469)	6.9	5.4	5.6	6.5	6.6	4.4	6.7	6.0
PANGA GLR (CL 11701)	7.4	5.3	5.8	6.6	6.6	3.7	6.6	6.0
SR 4650 (PSRX-3701)	6.8	5.1	5.5	6.5	6.5	4.4	6.7	5.9
RIO VISTA	7.2	5.2	5.7	6.3	6.4	3.5	6.3	5.8
PIZZAZZ 2 GLR (PR 909)	7.1	5.3	5.7	6.3	6.4	3.6	6.3	5.8
EVOLUTION (S85)	7.1	5.1	5.6	6.4	6.4	3.7	6.4	5.8
STELLAR 3GL (PPG-PR 134)	7.1	5.2	5.7	6.3	6.4	3.6	6.3	5.8
GREEN SUPREME(PPG-PR 121)	6.7	5.2	5.5	6.2	6.4	4.0	6.4	5.8
RINOVO	6.2	5.2	5.2	6.2	6.4	4.7	6.6	5.8
JR-192	6.1	5.0	5.1	6.2	6.3	4.6	6.5	5.7
BANDALORE (IS-PR 463)	6.9	5.1	5.5	6.1	6.3	3.6	6.2	5.7
BENCHMARK (PST-2BNS)	6.7	4.9	5.3	6.2	6.2	3.8	6.3	5.6
BANFIELD (IS-PR 491)	6.8	4.9	5.4	6.1	6.2	3.6	6.2	5.6
APPLE SGL (PPG-PR 140)	6.0	4.8	4.9	6.1	6.2	4.6	6.5	5.6
FIESTA 4	6.5	5.1	5.3	6.0	6.2	3.8	6.2	5.6
STAMINA (IS-PR 487)	6.7	4.9	5.3	6.2	6.2	3.7	6.3	5.6
SUNSTREAKER (APR 2036)	6.6	5.0	5.3	6.1	6.2	3.7	6.2	5.6
JR-178	7.1	5.0	5.6	6.1	6.2	3.1	6.0	5.6
PREMIUM (PPG-PR 137)	6.4	4.8	5.1	6.1	6.2	4.1	6.4	5.6
WICKED (SRX-4RHD)	6.7	4.8	5.3	6.1	6.2	3.6	6.2	5.6
DILIGENT (IS-PR 492)	6.9	4.9	5.4	6.1	6.2	3.4	6.1	5.6
LTP-RAE	6.7	5.0	5.3	6.0	6.2	3.6	6.1	5.6
MANHATTAN 6 GLR (PST-2MAGS)	5.9	4.9	4.9	6.0	6.2	4.6	6.5	5.6
VISION (CL 11601)	6.5	4.7	5.1	6.2	6.1	3.9	6.4	5.6
ASPIRE (IS-PR 489)	7.0	4.9	5.4	6.1	6.1	3.2	6.0	5.5
FASTBALL RGL (PPG-PR 133)	6.9	5.0	5.4	6.0	6.2	3.3	6.0	5.5
PALMER V	6.2	4.8	5.0	6.0	6.1	4.1	6.3	5.5
HANCOCK (IS-PR 479)	6.0	4.8	4.9	6.0	6.1	4.3	6.4	5.5
AMAZING A+ (PPG-PR 138)	6.7	4.8	5.3	6.1	6.1	3.5	6.1	5.5
PPG-PR 128	5.7	4.7	4.7	6.0	6.1	4.7	6.5	5.5
SR4660ST (SRX-4MSH)	6.1	4.8	5.0	6.0	6.1	4.2	6.3	5.5
DOMINATOR (PST-2AG4)	6.5	4.9	5.2	6.0	6.1	3.6	6.1	5.5
OCTANE	6.6	4.8	5.2	6.0	6.1	3.6	6.1	5.5
APR-2320	6.7	5.0	5.4	5.9	6.1	3.2	5.9	5.5
PST-2NKM	6.5	4.7	5.1	6.0	6.0	3.7	6.2	5.5
APR-2445	6.4	4.7	5.1	6.0	6.0	3.8	6.2	5.4
INSIGHT	6.0	4.9	4.9	5.8	6.1	4.2	6.2	5.4
SIENNA	6.6	5.0	5.3	5.8	6.1	3.4	5.9	5.4
PSRX-4CAGL	6.2	4.8	5.0	5.9	6.0	3.9	6.2	5.4
METOLIUS (PPG-PR 165)	6.9	4.7	5.3	6.0	6.0	3.1	6.0	5.4
PILLAR (CST)	6.5	4.7	5.1	6.0	6.0	3.5	6.1	5.4
RIPTIDE (IS-PR 409)	7.0	4.9	5.4	5.9	6.0	2.9	5.8	5.4
GO-PR60	6.0	4.7	4.9	5.9	6.0	4.1	6.2	5.4
SIDEWAYS (PSRX-S84)	6.4	4.6	5.0	6.0	6.0	3.6	6.1	5.4
LTP-PR 135	6.7	4.7	5.2	6.0	6.0	3.2	6.0	5.4
EXPEDITE (CL 307)	6.7	4.6	5.2	6.0	6.0	3.3	6.0	5.4
BONNEVILLE	6.4	4.7	5.1	5.9	6.0	3.5	6.0	5.4
PST-2K9	5.7	4.5	4.7	5.9	6.0	4.4	6.3	5.4
CS-PR66	6.0	4.7	4.9	5.8	6.0	4.0	6.1	5.4

TABLE 9. (CONT'D) TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2014 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	PA1	MA1	NJ2	IL1	MO1	NE1	OR1	MEAN
ALLANTE	5.9	4.7	4.8	5.8	6.0	4.1	6.1	5.3
PEPPER (RAD-PR62)	6.2	4.7	5.0	5.8	6.0	3.7	6.0	5.3
PST-PARKSIDE (PST-2NJK)	5.6	4.5	4.6	5.9	5.9	4.6	6.4	5.3
PROVOST (PPG-PR 143)	6.8	4.6	5.2	5.9	5.9	2.9	5.8	5.3
PPG-PR 136	6.7	4.5	5.1	5.9	5.9	3.1	5.9	5.3
RAD-PR55R	6.0	4.7	4.9	5.8	5.9	3.8	6.0	5.3
PACIFIC GEM (PST-2MG7)	5.8	4.5	4.7	5.8	5.9	4.1	6.2	5.3
SEDUCTIVE (ISG-30)	4.9	4.5	4.2	5.7	5.9	5.1	6.4	5.2
HAVEN (APR 2038)	5.5	4.4	4.5	5.8	5.8	4.4	6.2	5.2
PINNACLE III (BAR LP 10970)	5.2	4.4	4.3	5.7	5.8	4.7	6.3	5.2
PPG-PR 142	6.1	4.4	4.8	5.8	5.8	3.6	6.0	5.2
SOX FAN (GM3)	5.9	4.5	4.7	5.7	5.8	3.8	6.0	5.2
PRX-4GM1	5.8	4.4	4.6	5.7	5.8	3.9	6.0	5.2
UNO	5.7	4.4	4.5	5.7	5.8	4.0	6.1	5.2
RAINWATER (PST-2TQL)	6.2	4.5	4.9	5.6	5.8	3.3	5.8	5.2
PST-2DR9	6.0	4.3	4.7	5.6	5.7	3.5	5.9	5.1
SALINAS II (PST-204D)	5.7	4.3	4.5	5.6	5.7	3.8	5.9	5.1
GO-G37	5.5	4.4	4.5	5.6	5.7	4.0	6.0	5.1
PISTOL (PST-2ACR)	5.6	4.3	4.5	5.6	5.7	3.9	6.0	5.1
MONSIEUR (IS-PR 488)	6.1	4.3	4.7	5.6	5.6	3.2	5.7	5.0
PICK 4DFHM	5.4	4.3	4.4	5.5	5.7	4.1	6.0	5.0
GO-DHS	4.5	4.3	3.9	5.4	5.6	5.1	6.2	5.0
VINTAGE (ISG-36)	4.6	4.1	3.9	5.4	5.6	4.9	6.2	4.9
BRIGHTSTAR SLT	5.2	4.2	4.2	5.4	5.6	4.1	5.9	4.9
PROMINENT (CS-20)	4.9	4.1	4.0	5.4	5.6	4.5	6.0	4.9
EXCELLENCE (ISG-31)	5.3	4.2	4.3	5.4	5.6	4.0	5.8	4.9
MACH I	5.6	4.3	4.5	5.3	5.5	3.5	5.6	4.9
BAR LP 10972	5.6	4.2	4.4	5.4	5.5	3.5	5.7	4.9
ASP 0112 (A-35)	5.6	4.1	4.4	5.4	5.5	3.5	5.7	4.9
BAR LP 10969	5.7	4.2	4.5	5.4	5.5	3.3	5.6	4.9
PLAYOFF 2 (P02)	5.1	4.0	4.1	5.4	5.4	4.0	5.8	4.8
DLF LGD-3026	4.5	4.0	3.8	5.3	5.4	4.6	5.9	4.8
BAR LP 7608	5.1	4.1	4.2	5.2	5.4	3.7	5.6	4.8
DLF LGD-3022	5.4	3.9	4.2	5.3	5.3	3.4	5.6	4.7
DLF LGT 4182	4.3	3.9	3.6	5.2	5.3	4.6	5.9	4.7
PINNACLE	4.4	3.6	3.6	4.8	5.0	3.8	5.4	4.4
LINN	1.7	1.6	1.2	3.1	3.2	3.3	4.1	2.6
LSD VALUE	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
C.V. (%)	10.1	8.5	8.0	6.7	6.6	10.2	6.4	7.3

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

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

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

TABLE 10. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2014 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MD1	VA1	IA1	MEAN
PANGEA GLR (CL 11701)	6.5	6.9	6.7	6.7
SR 4650 (PSRX-3701)	6.3	7.0	6.4	6.6
VISION (CL 11601)	6.3	6.7	6.2	6.4
EXPEDITE (CL 307)	6.5	6.4	6.2	6.4
METOLIUS (PPG-PR 165)	6.4	6.4	6.2	6.3
KARMA (PICK 10401)	5.7	6.8	6.4	6.3
EVOLUTION (S85)	5.9	6.6	6.3	6.3
GRAND SLAM GLD (PPG-PR 164)	5.5	6.8	6.5	6.3
PPG-PR 136	6.4	6.3	6.2	6.3
WICKED (SRX-4RHD)	5.7	6.5	6.1	6.1
BENCHMARK (PST-2BNS)	5.6	6.5	6.1	6.1
STAMINA (IS-PR 487)	5.6	6.5	6.0	6.0
PST-2NKM	5.6	6.4	6.0	6.0
THRIVE (IS-PR 469)	5.1	6.8	6.1	6.0
SIDEWAYS (PSRX-S84)	5.7	6.4	5.9	6.0
PREMIUM (PPG-PR 137)	5.4	6.6	5.9	6.0
APPLE SGL (PPG-PR 140)	5.3	6.7	5.8	5.9
DILIGENT (IS-PR 492)	5.5	6.3	6.0	5.9
STELLAR 3GL (PPG-PR 134)	5.2	6.5	6.1	5.9
PROVOST (PPG-PR 143)	5.7	6.1	5.9	5.9
LTP-PR 135	5.6	6.2	5.9	5.9
PST-PARKSIDE (PST-2NJK)	5.4	6.6	5.7	5.9
PPG-PR 142	5.6	6.2	5.7	5.9
BANFIELD (IS-PR 491)	5.2	6.4	5.9	5.9
PST-2K9	5.3	6.5	5.7	5.9
AMAZING A+ (PPG-PR 138)	5.3	6.3	5.9	5.8
PILLAR (CST)	5.3	6.3	5.8	5.8
RIO VISTA	4.9	6.4	6.0	5.8
UNO	5.3	6.3	5.6	5.8
JR-178	5.0	6.2	5.9	5.7
OCTANE	5.1	6.3	5.8	5.7
PACIFIC GEM (PST-2MG7)	5.1	6.4	5.6	5.7
APR-2445	5.0	6.3	5.7	5.7
PPG-PR 128	4.8	6.6	5.6	5.7
PISTOL (PST-2ACR)	5.3	6.2	5.5	5.7
ASPIRE (IS-PR 489)	5.0	6.2	5.8	5.7
PALMER V	4.9	6.4	5.7	5.7
HAVEN (APR 2038)	5.0	6.4	5.5	5.6
SUNSTREAKER (APR 2036)	4.7	6.3	5.7	5.6
PST-2DR9	5.1	6.1	5.5	5.6
HANCOCK (IS-PR 479)	4.6	6.4	5.6	5.6
SR4660ST (SRX-4MSH)	4.6	6.4	5.6	5.5
MONSIEUR (IS-PR 488)	5.0	5.9	5.5	5.5
PSRX-4CAGL	4.6	6.3	5.5	5.5
BONNEVILLE	4.7	6.1	5.6	5.4
PINNACLE III (BAR LP 10970)	4.6	6.4	5.3	5.4
LTP-RAE	4.4	6.2	5.6	5.4
GREEN SUPREME(PPG-PR 121)	4.2	6.4	5.7	5.4
JR-192	4.2	6.5	5.5	5.4
BANDALORE (IS-PR 463)	4.3	6.2	5.7	5.4
CS-PR66	4.4	6.2	5.4	5.3

TABLE 10. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2014 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MD1	VA1	IA1	MEAN
PRX-4GM1	4.5	6.1	5.3	5.3
MANHATTAN 6 GLR (PST-2MAGS)	4.1	6.4	5.4	5.3
PIZZAZZ 2 GLR (PR 909)	4.0	6.2	5.7	5.3
DOMINATOR (PST-2AG4)	4.3	6.1	5.5	5.3
SALINAS II (PST-204D)	4.6	6.1	5.3	5.3
PLAYOFF 2 (P02)	4.7	6.0	5.1	5.3
DLF LGD-3022	4.8	5.8	5.1	5.2
ASP 0112 (A-35)	4.6	5.9	5.2	5.2
FASTBALL RGL (PPG-PR 133)	4.0	6.0	5.5	5.2
SOX FAN (GM3)	4.2	6.0	5.2	5.2
GO-PR60	4.0	6.2	5.3	5.2
VINTAGE (ISG-36)	4.2	6.3	4.9	5.1
RAD-PR55R	3.9	6.0	5.2	5.1
RAINWATER (PST-2TQL)	4.1	5.8	5.2	5.1
PEPPER (RAD-PR62)	3.8	6.0	5.2	5.0
GO-G37	4.0	6.0	5.0	5.0
PROMINENT (CS-20)	4.0	6.1	4.9	5.0
PICK 4DFHM	4.0	6.0	5.0	5.0
BAR LP 10969	4.2	5.7	5.1	5.0
RINOVO	3.2	6.4	5.3	5.0
BRIGHTSTAR SLT	4.0	6.0	4.9	5.0
FIESTA 4	3.5	6.1	5.3	4.9
RIPTIDE (IS-PR 409)	3.7	5.7	5.3	4.9
EXCELLENCE (ISG-31)	3.8	5.9	4.9	4.9
APR-2320	3.4	5.8	5.2	4.8
DLF LGD-3026	3.7	6.0	4.7	4.8
ALLANTE	3.3	6.0	5.0	4.8
SEDUCTIVE (ISG-30)	3.2	6.3	4.8	4.8
BAR LP 10972	3.7	5.7	4.9	4.7
INSIGHT	2.8	6.0	4.9	4.6
DLF LGT 4182	3.3	5.9	4.4	4.5
GO-DHS	2.7	6.0	4.4	4.4
MACH I	3.0	5.6	4.6	4.4
SIENNA	2.5	5.6	4.9	4.3
PINNACLE	3.0	5.4	4.2	4.2
BAR LP 7608	2.7	5.5	4.4	4.2
LINN	2.7	4.3	2.8	3.3
LSD VALUE	1.0	1.0	1.0	1.0
C.V. (%)	13.3	10.0	11.2	11.4

* 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 11. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE NORTHEAST REGION
2011-14 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ2	PA1	MEAN	NAME	MA1	NJ2	PA1	MEAN
GRAND SLAM GLD (PPG-PR 164)	6.2	6.1	7.8	6.3	HANCOCK (IS-PR 479)	5.5	5.1	6.4	5.4
BANDALORE (IS-PR 463)	5.7	6.3	7.2	6.1	UNO	5.2	5.3	5.9	5.4
PANGEA GLR (CL 11701)	5.7	6.4	6.8	6.1	PST-2K9	5.2	5.3	5.8	5.4
ASPIRE (IS-PR 489)	5.5	6.3	7.1	6.1	PRX-4GM1	5.4	5.1	5.9	5.4
KARMA (PICK 10401)	5.8	6.1	7.7	6.1	VISION (CL 11601)	5.4	4.9	7.1	5.4
THRIVE (IS-PR 469)	5.6	6.1	7.7	6.1	MACH I	5.2	5.4	5.3	5.3
RIO VISTA	5.9	5.8	7.6	6.0	PST-2NKM	5.5	5.0	6.5	5.3
RINOVO	6.0	5.7	6.9	6.0	PPG-PR 128	5.5	4.8	6.4	5.3
GREEN SUPREME(PPG-PR 121)	6.0	5.8	6.5	6.0	PPG-PR 142	5.5	4.8	6.3	5.3
WICKED (SRX-4RHD)	5.8	6.0	6.3	6.0	SOX FAN (GM3)	5.2	5.1	5.9	5.3
RIPTIDE (IS-PR 409)	5.7	5.9	6.8	5.9	MONSIEUR (IS-PR 488)	5.0	5.2	6.5	5.3
FIESTA 4	5.8	5.8	6.4	5.9	APPLE SGL (PPG-PR 140)	5.8	4.3	6.8	5.2
SR 4650 (PSRX-3701)	5.7	5.7	7.3	5.9	INSIGHT	5.6	4.6	6.4	5.2
PPG-PR 136	5.8	5.8	6.4	5.9	PEPPER (RAD-PR62)	5.4	5.0	5.2	5.2
EVOLUTION (S85)	5.5	5.9	7.1	5.9	JR-192	5.4	4.7	6.5	5.2
METOLIUS (PPG-PR 165)	5.7	5.7	7.0	5.9	RAINWATER (PST-2TQL)	4.9	5.3	5.9	5.2
DILIGENT (IS-PR 492)	5.8	5.5	6.8	5.8	MANHATTAN 6 GLR (PST-2MAGS)	5.2	5.0	6.0	5.2
APR 2445	5.3	6.0	6.2	5.8	PST-2DR9	5.1	5.0	6.0	5.2
JR-178	5.7	5.5	7.3	5.8	DLF LGD-3022	5.3	4.9	5.3	5.2
BENCHMARK (PST-2BNS)	5.6	5.6	6.7	5.7	PACIFIC GEM (PST-2MG7)	5.5	4.8	5.3	5.2
PIZZAZZ 2 GLR (PR 909)	5.8	5.4	7.2	5.7	SALINAS II (PST-2040)	4.9	5.3	5.2	5.2
SUNSTREAKER (APR 2036)	5.9	5.3	6.4	5.7	BAR LP 10969	4.8	5.3	5.5	5.2
OCTANE	5.6	5.6	6.8	5.7	PST-PARKSIDE (PST-2NJK)	5.1	5.0	5.6	5.1
AMAZING A+ (PPG-PR 138)	6.0	5.1	6.9	5.7	ALLANTE	5.6	4.5	6.2	5.1
STELLAR 3GL (PPG-PR 134)	5.5	5.4	7.4	5.7	GO-G37	5.2	4.9	5.3	5.1
GO-PR60	5.3	5.9	5.5	5.7	ASP 0112 (A-35)	5.2	4.8	5.3	5.1
PSRX-4CAGL	5.7	5.4	6.1	5.6	BONNEVILLE	5.0	4.9	6.8	5.1
STAMINA (IS-PR 487)	5.7	5.3	6.7	5.6	HAVEN (APR 2038)	5.2	4.9	5.1	5.1
BANFIELD (IS-PR 491)	5.5	5.6	6.6	5.6	BAR LP 10972	5.0	5.0	5.2	5.1
FASTBALL RGL (PPG-PR 133)	5.5	5.5	6.7	5.6	SEDUCTIVE (ISG-30)	4.9	4.6	5.8	4.9
APR 2320	5.5	5.5	6.6	5.6	DLF LGD-3026	5.1	4.7	4.4	4.9
SIENNA	6.0	4.8	6.8	5.6	VINTAGE (ISG-36)	4.9	4.6	5.1	4.8
RAD-PR55R	5.4	5.6	5.3	5.5	PICK 4DFHM	5.3	4.3	5.2	4.8
PREMIUM (PPG-PR 137)	5.5	5.3	6.7	5.5	EXCELLENCE (ISG-31)	5.1	4.5	5.0	4.8
SIDEWAYS (PSRX-S84)	5.3	5.4	6.6	5.5	PISTOL (PST-2ACR)	4.5	4.8	5.7	4.8
CS-PR66	5.5	5.5	4.9	5.5	PROMINENT (CS-20)	5.0	4.4	4.9	4.8
EXPEDITE (CL 307)	5.4	5.3	6.7	5.5	BRIGHTSTAR SLT	5.4	4.1	4.5	4.8
DOMINATOR (PST-2AG4)	5.1	5.6	6.6	5.5	PLAYOFF 2 (P02)	4.8	4.4	5.0	4.7
PINNACLE III (BAR LP 10970)	5.5	5.3	5.5	5.5	BAR LP 7608	5.2	3.8	5.3	4.7
PALMER V	5.4	5.4	5.9	5.5	GO-DHS	4.7	4.3	4.5	4.5
PROVOST (PPG-PR 143)	5.9	4.8	6.7	5.5	DLF LGT 4182	3.8	4.7	3.9	4.3
SR4660ST (SRX-4MSH)	5.5	5.2	6.2	5.5	PINNACLE	5.2	3.0	3.3	4.0
PILLAR (CST)	6.0	4.8	6.3	5.5	LINN	2.9	1.0	1.6	2.0
LTP-RAE	5.0	5.4	7.3	5.4					
LTP-PR 135	5.6	4.9	7.1	5.4	LSD VALUE	0.8	0.8	1.0	0.5
					C.V. (%)	9.8	9.6	10.0	9.4

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

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

TABLE 12. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT THREE LOCATIONS 1/
IN THE TRANSITION REGION
2011-14 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MD1	MO1	VA1	MEAN	NAME	MD1	MO1	VA1	MEAN
PANGEA GLR (CL 11701)	6.3	6.3	6.4	6.3	BANDALORE (IS-PR 463)	5.2	5.8	5.8	5.6
BENCHMARK (PST-2BNS)	5.8	6.2	6.6	6.2	PACIFIC GEM (PST-2MG7)	5.1	5.4	6.2	5.6
EVOLUTION (S85)	5.8	6.1	6.6	6.2	GO-PR60	4.4	6.2	6.2	5.6
WICKED (SRX-4RHD)	5.7	5.9	6.8	6.1	PILLAR (CST)	5.2	5.7	5.8	5.6
VISION (CL 11601)	6.2	5.8	6.1	6.0	PPG-PR 142	5.6	5.4	5.6	5.6
STELLAR 3GL (PPG-PR 134)	5.4	6.0	6.7	6.0	MANHATTAN 6 GLR (PST-2MAGS)	4.9	5.8	5.9	5.5
GRAND SLAM GLD (PPG-PR 164)	5.6	6.2	6.2	6.0	DLF LGD-3022	5.4	5.2	6.0	5.5
EXPEDITE (CL 307)	6.2	5.9	5.9	6.0	SALINAS II (PST-204D)	4.6	5.5	6.6	5.5
SIDEWAYS (PSRX-S84)	5.9	5.7	6.4	6.0	RIPTIDE (IS-PR 409)	4.8	5.7	6.0	5.5
DILIGENT (IS-PR 492)	5.5	6.2	6.2	6.0	PPG-PR 128	5.1	5.5	5.9	5.5
KARMA (PICK 10401)	5.9	5.8	6.2	6.0	PST-2DR9	4.9	5.2	6.4	5.5
THRIVE (IS-PR 469)	5.4	6.5	6.0	5.9	DOMINATOR (PST-2AG4)	4.5	5.5	6.4	5.5
SR 4650 (PSRX-3701)	6.2	5.5	6.1	5.9	FIESTA 4	4.8	5.6	6.0	5.5
SUNSTREAKER (APR 2036)	5.7	5.9	6.1	5.9	PISTOL (PST-2ACR)	4.9	5.4	6.1	5.5
PST-2NKM	5.4	5.7	6.5	5.9	SOX FAN (GM3)	5.0	5.5	5.9	5.5
PROVOST (PPG-PR 143)	6.0	5.6	5.9	5.9	PLAYOFF 2 (P02)	4.9	5.3	6.0	5.4
AMAZING A+ (PPG-PR 138)	5.7	5.8	6.0	5.8	RAD-PR55R	4.5	5.8	5.8	5.4
PPG-PR 136	6.0	5.6	5.9	5.8	PICK 4DFHM	4.7	5.5	5.9	5.4
UNO	5.5	5.8	6.2	5.8	JR-192	4.5	5.8	5.9	5.4
APR 2445	5.1	5.8	6.5	5.8	PEPPER (RAD-PR62)	4.1	6.1	5.9	5.3
STAMINA (IS-PR 487)	5.5	5.9	6.0	5.8	HANCOCK (IS-PR 479)	4.6	5.7	5.7	5.3
HAVEN (APR 2038)	5.7	5.3	6.3	5.8	ASP 0112 (A-35)	4.5	5.6	5.8	5.3
PST-PARKSIDE (PST-2NJK)	5.2	5.6	6.5	5.8	GO-G37	4.1	5.6	6.1	5.3
METOLIUS (PPG-PR 165)	6.0	5.6	5.7	5.8	BAR LP 10972	4.3	5.6	5.9	5.3
PIZZAZZ 2 GLR (PR 909)	5.5	6.0	5.7	5.8	EXCELLENCE (ISG-31)	4.2	5.8	5.8	5.3
APPLE SGL (PPG-PR 140)	5.6	5.7	5.9	5.7	RAINWATER (PST-2TQL)	4.2	5.4	6.1	5.3
OCTANE	5.5	6.0	5.8	5.7	LTP-RAE	4.8	5.3	5.5	5.2
PST-2K9	5.3	5.8	6.2	5.7	BRIGHTSTAR SLT	4.1	5.5	6.0	5.2
LTP-PR 135	5.6	5.4	6.2	5.7	SEDUCTIVE (ISG-30)	3.9	5.6	6.0	5.2
FASTBALL RGL (PPG-PR 133)	5.0	5.8	6.3	5.7	DLF LGD-3026	4.8	5.1	5.6	5.2
MONSIEUR (IS-PR 488)	5.5	5.5	6.1	5.7	ALLANTE	4.4	5.5	5.6	5.2
ASPIRE (IS-PR 489)	5.4	6.0	5.7	5.7	BAR LP 10969	4.0	5.5	5.9	5.1
PREMIUM (PPG-PR 137)	5.6	5.3	6.2	5.7	DLF LGT 4182	3.6	5.8	6.0	5.1
PALMER V	5.2	5.7	6.2	5.7	VINTAGE (ISG-36)	4.3	5.4	5.6	5.1
RIO VISTA	5.6	5.7	5.7	5.7	PROMINENT (CS-20)	4.1	5.4	5.6	5.1
RINOVO	5.4	5.5	6.0	5.6	APR 2320	3.6	5.6	5.6	4.9
JR-178	5.4	5.6	5.9	5.6	BAR LP 7608	3.3	5.3	5.9	4.8
SR4660ST (SRX-4MSH)	5.1	5.5	6.2	5.6	GO-DHS	3.3	5.5	5.6	4.8
PRX-4GM1	5.4	5.6	5.9	5.6	MACH I	3.8	5.3	5.3	4.8
GREEN SUPREME (PPG-PR 121)	5.5	5.6	5.8	5.6	INSIGHT	3.8	5.3	5.1	4.7
PSRX-4CAGL	5.5	6.0	5.3	5.6	SIENNA	3.6	5.4	5.1	4.7
BONNEVILLE	5.3	5.9	5.6	5.6	PINNACLE	3.4	4.7	5.4	4.5
BANFIELD (IS-PR 491)	5.5	5.6	5.7	5.6	LINN	2.3	2.9	3.7	3.0
PINNACLE III (BAR LP 10970)	5.1	5.3	6.3	5.6					
CS-PR66	4.9	5.9	6.0	5.6	LSD VALUE	1.0	0.7	1.0	0.5
					C.V. (%)	12.1	7.8	10.1	10.0

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

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

TABLE 13. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT FIVE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2011-14 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	MI1	MN1	NE1	MEAN
SR 4650 (PSRX-3701)	5.9	6.3	6.8	4.1	6.0	5.9
KARMA (PICK 10401)	6.1	6.1	6.7	4.3	5.7	5.8
STAMINA (IS-PR 487)	6.1	6.3	6.7	4.4	5.5	5.8
PANGEA GLR (CL 11701)	6.2	6.1	6.8	4.2	5.5	5.8
VISION (CL 11601)	6.1	6.4	6.5	4.1	5.5	5.8
APPLE SGL (PPG-PR 140)	5.9	5.7	6.5	5.2	5.7	5.8
EVOLUTION (S85)	6.3	5.9	6.7	4.5	5.5	5.8
APR 2320	6.2	5.9	6.4	5.3	5.4	5.8
WICKED (SRX-4RHD)	5.8	6.2	6.7	4.8	5.2	5.7
GRAND SLAM GLD (PPG-PR 164)	5.9	6.0	7.0	3.7	5.6	5.7
PREMIUM (PPG-PR 137)	5.9	5.9	6.6	4.4	5.5	5.7
ASPIRE (IS-PR 489)	5.7	5.8	6.7	4.9	5.5	5.7
JR-192	5.6	6.3	6.4	4.3	5.6	5.7
PST-2NKM	5.9	5.9	6.6	4.8	5.4	5.7
BENCHMARK (PST-2BNS)	5.8	5.8	6.5	4.9	5.5	5.7
STELLAR 3GL (PPG-PR 134)	5.9	6.0	6.3	4.6	5.4	5.6
SIDEWAYS (PSRX-S84)	6.0	6.0	6.5	4.2	5.4	5.6
GREEN SUPREME (PPG-PR 121)	5.9	5.7	6.3	4.6	5.5	5.6
THRIVE (IS-PR 469)	6.0	5.9	6.2	3.5	5.9	5.6
AMAZING A+ (PPG-PR 138)	5.6	5.7	6.6	5.1	5.4	5.6
PIZZAZZ 2 GLR (PR 909)	5.8	6.0	6.8	4.0	5.3	5.6
PST-PARKSIDE (PST-2NJK)	5.7	5.9	6.5	4.1	5.6	5.6
UNO	5.4	6.0	6.5	4.5	5.6	5.6
RIO VISTA	5.6	5.7	6.9	4.3	5.5	5.6
JR-178	5.7	6.0	6.7	4.3	5.3	5.5
PALMER V	5.2	5.9	6.5	4.5	5.7	5.5
BANFIELD (IS-PR 491)	5.9	5.7	6.2	4.2	5.6	5.5
LTP-PR 135	5.8	6.0	6.5	4.2	5.3	5.5
METOLIUS (PPG-PR 165)	5.7	6.0	6.5	4.2	5.5	5.5
PISTOL (PST-2ACR)	5.8	6.0	6.3	4.1	5.4	5.5
HANCOCK (IS-PR 479)	5.3	6.0	6.5	3.8	5.7	5.5
SR4660ST (SRX-4MSH)	5.7	5.8	6.6	3.7	5.5	5.5
DOMINATOR (PST-2AG4)	5.7	5.7	6.6	4.5	5.2	5.5
BANDALORE (IS-PR 463)	5.8	5.6	6.1	4.2	5.7	5.5
SUNSTREAKER (APR 2036)	5.3	6.0	6.5	4.7	5.2	5.5
PPG-PR 142	5.9	5.5	6.3	4.5	5.3	5.5
EXPEDITE (CL 307)	5.9	5.7	6.4	4.1	5.3	5.5
PPG-PR 128	5.2	5.5	6.4	4.4	5.7	5.4
RINOVO	5.1	6.0	6.3	3.7	5.8	5.4
BONNEVILLE	5.8	5.5	6.6	4.2	5.3	5.4
RAD-PR55R	5.5	5.4	6.7	4.5	5.5	5.4
PST-2K9	5.3	5.7	6.3	4.0	5.7	5.4
GO-PR60	5.6	5.4	6.3	4.3	5.5	5.4
LTP-RAE	5.8	5.4	6.5	3.8	5.5	5.4
OCTANE	5.9	5.3	6.5	3.9	5.4	5.4

TABLE 13. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) GROWN AT FIVE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2011-14 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	MI1	MN1	NE1	MEAN
SOX FAN (GM3)	5.2	5.6	6.4	4.6	5.6	5.4
INSIGHT	4.9	5.5	6.7	4.5	5.6	5.4
PINNACLE III (BAR LP 10970)	5.4	5.8	6.4	3.8	5.5	5.4
PILLAR (CST)	5.8	5.3	6.4	4.1	5.3	5.4
PROVOST (PPG-PR 143)	5.3	5.8	6.6	4.6	5.0	5.4
DILIGENT (IS-PR 492)	5.7	5.9	6.4	3.5	5.3	5.3
SALINAS II (PST-204D)	5.5	5.6	6.3	4.1	5.4	5.3
PPG-PR 136	5.7	5.4	6.7	3.9	5.2	5.3
PACIFIC GEM (PST-2MG7)	6.0	5.7	6.0	3.5	5.3	5.3
RIPTIDE (IS-PR 409)	4.9	5.6	6.6	4.9	5.2	5.3
PRX-4GM1	5.4	5.5	6.2	4.6	5.1	5.3
CS-PR66	5.3	5.5	6.3	4.3	5.5	5.3
RAINWATER (PST-2TQL)	5.6	5.5	6.8	3.8	5.2	5.3
ALLANTE	5.3	5.5	6.6	3.7	5.5	5.3
BAR LP 10969	5.5	5.4	6.5	4.5	5.2	5.3
FASTBALL RGL (PPG-PR 133)	5.5	5.6	6.2	4.0	5.3	5.3
DLF LGD-3022	5.6	5.2	6.6	4.4	5.2	5.3
HAVEN (APR 2038)	5.4	5.4	6.3	3.7	5.6	5.3
MANHATTAN 6 GLR (PST-2MAGS)	5.3	5.8	6.2	2.9	5.7	5.3
PSRX-4CAGL	4.9	5.6	6.3	4.4	5.5	5.3
SIENNA	5.0	5.4	6.8	4.3	5.3	5.2
FIESTA 4	5.3	5.5	6.4	3.7	5.4	5.2
APR 2445	5.2	5.7	6.1	3.6	5.5	5.2
PEPPER (RAD-PR62)	5.7	5.4	5.9	3.8	5.3	5.2
SEDUCTIVE (ISG-30)	5.3	5.0	6.2	3.7	5.6	5.2
MONSIEUR (IS-PR 488)	5.0	5.6	6.5	3.9	5.3	5.2
BRIGHTSTAR SLT	5.1	5.5	6.4	3.7	5.3	5.2
PLAYOFF 2 (P02)	5.1	5.4	6.2	3.9	5.3	5.2
VINTAGE (ISG-36)	5.2	5.2	5.9	3.6	5.7	5.2
PST-2DR9	5.6	5.2	6.2	3.9	5.1	5.1
PROMINENT (CS-20)	5.7	5.0	6.0	3.0	5.4	5.1
BAR LP 10972	4.9	5.2	6.1	4.9	4.9	5.1
ASP 0112 (A-35)	5.5	5.2	6.0	3.6	5.0	5.0
GO-G37	5.1	5.1	5.7	3.8	5.3	5.0
BAR LP 7608	5.3	4.9	6.1	3.5	5.2	5.0
MACH I	4.7	5.0	6.1	3.9	5.5	5.0
EXCELLENCE (ISG-31)	5.2	5.0	5.8	3.6	5.2	4.9
DLF LGD-3026	4.8	5.1	5.8	3.1	5.4	4.9
DLF LGT 4182	5.5	4.7	5.6	3.2	5.3	4.9
PINNACLE	5.2	5.2	5.6	3.1	5.0	4.8
PICK 4DFHM	4.7	5.1	5.9	2.8	5.3	4.8
GO-DHS	4.9	4.9	5.4	2.6	5.5	4.8
LINN	4.0	2.8	2.6	1.1	4.3	3.1
LSD VALUE	1.2	0.8	0.8	1.5	0.7	0.5
C.V. (%)	13.8	9.5	7.8	30.6	8.9	12.4

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 14. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/ 2011-14 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
VINTAGE (ISG-36)	7.7	7.3	8.0	8.0	7.5	7.8	7.2	8.0	7.8	7.8	7.8	7.8	7.7
EXCELLENCE (ISG-31)	7.5	7.2	8.0	8.0	7.3	7.0	7.2	7.7	8.0	7.8	8.0	7.8	7.6
PROMINENT (CS-20)	7.3	7.5	7.7	8.0	7.0	7.3	7.2	7.8	7.8	7.5	7.8	7.8	7.6
GO-G37	7.2	7.5	7.7	8.0	6.7	6.8	7.2	7.8	8.0	7.2	7.7	7.7	7.4
SEDUCTIVE (ISG-30)	7.2	7.5	7.8	7.8	7.2	7.0	7.0	7.5	7.8	7.2	7.5	7.7	7.4
ASP 0112 (A-35)	6.8	6.5	7.2	8.0	7.2	6.8	7.2	7.8	7.8	6.8	7.2	7.3	7.2
CS-PR66	6.5	6.7	7.3	7.3	7.2	7.3	7.0	7.5	7.5	7.0	7.3	7.5	7.2
EVOLUTION (S85)	7.2	6.8	7.0	7.0	6.8	7.5	6.7	7.3	7.0	7.2	7.2	7.0	7.1
APR 2445	7.2	6.8	6.7	7.3	6.5	7.2	7.0	7.2	7.0	7.0	7.2	7.0	7.0
ASPIRE (IS-PR 489)	7.3	7.0	6.8	7.0	7.0	7.2	6.7	7.0	7.0	7.0	7.0	7.0	7.0
HANCOCK (IS-PR 479)	6.7	6.3	7.0	7.7	7.3	6.8	6.7	7.0	7.3	7.3	7.0	6.8	7.0
BANDALORE (IS-PR 463)	7.3	6.8	6.7	7.2	7.0	7.0	6.8	7.0	7.0	7.2	7.0	7.0	7.0
DOMINATOR (PST-2AG4)	7.2	7.5	7.0	7.0	6.7	7.2	6.7	7.2	7.0	6.8	7.0	6.8	7.0
PANGEA GLR (CL 11701)	6.8	6.8	7.0	7.0	7.0	7.3	6.8	7.0	7.0	7.0	7.0	7.2	7.0
KARMA (PICK 10401)	6.5	6.8	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.2	7.3	7.0	7.0
GO-PR60	7.0	7.0	6.8	7.3	6.7	6.7	6.8	7.0	7.3	7.2	7.0	7.0	7.0
FIESTA 4	6.5	6.2	6.5	7.5	7.2	6.8	6.5	7.0	7.5	7.3	7.5	7.2	7.0
JR-178	7.2	6.8	6.8	7.0	6.8	6.8	7.0	7.2	7.0	7.0	7.0	7.0	7.0
APPLE SGL (PPG-PR 140)	6.7	7.3	7.2	7.0	6.7	7.0	6.8	7.0	7.0	7.0	7.0	7.0	7.0
SR 4650 (PSRX-3701)	6.7	6.8	6.8	7.0	7.0	7.2	6.7	7.2	7.0	7.2	7.0	7.0	7.0
AMAZING A+ (PPG-PR 138)	7.0	7.2	7.2	7.0	6.8	6.8	6.5	7.0	7.0	7.0	7.2	6.8	7.0
GRAND SLAM GLD (PPG-PR 164)	7.3	6.8	6.8	7.0	7.0	6.8	6.7	6.8	7.0	7.2	7.2	6.8	7.0
SOX FAN (GM3)	7.3	7.0	7.2	7.0	6.8	6.7	6.5	6.7	7.0	7.0	7.0	7.3	7.0
GREEN SUPREME (PPG-PR 121)	7.0	7.0	6.8	7.0	6.8	7.0	6.8	7.0	7.0	7.0	7.0	6.8	6.9
DILIGENT (IS-PR 492)	7.3	6.8	7.0	7.0	7.0	7.0	6.7	6.7	7.0	7.0	6.8	6.8	6.9
PILLAR (CST)	7.0	6.7	6.8	7.0	7.0	7.2	6.5	7.0	7.0	7.0	7.0	7.0	6.9
GO-DHS	6.3	7.2	7.7	7.8	6.5	5.7	6.7	7.3	7.5	6.8	6.8	6.7	6.9
DLF LGD-3026	7.2	6.8	7.0	7.2	7.3	6.8	6.5	6.7	6.7	7.0	7.0	6.8	6.9
FASTBALL RGL (PPG-PR 133)	7.0	6.5	7.0	7.0	7.0	7.0	6.7	6.8	7.0	7.0	7.0	7.0	6.9
PPG-PR 136	7.2	6.7	7.2	7.0	6.8	7.0	6.5	6.8	6.7	7.2	7.0	7.0	6.9
PRX-4GM1	7.2	6.8	7.0	7.0	7.0	6.5	6.5	6.8	7.0	7.0	7.0	7.0	6.9
RAD-PR55R	6.5	6.2	6.2	7.5	6.3	6.8	7.0	7.3	7.8	7.0	7.2	7.0	6.9
PACIFIC GEM (PST-2MG7)	6.8	6.8	7.0	7.0	6.7	7.0	6.8	6.8	7.0	7.0	7.0	6.8	6.9
STELLAR 3GL (PPG-PR 134)	6.8	6.7	6.7	7.0	6.8	7.2	6.7	7.0	7.0	7.0	7.0	7.0	6.9
PREMIUM (PPG-PR 137)	7.0	7.0	6.8	7.0	6.8	7.0	6.5	6.7	6.8	7.0	7.0	7.0	6.9
RINOVO	6.7	6.7	6.7	7.0	6.8	6.8	6.7	7.2	7.0	7.0	7.0	7.0	6.9
PALMER V	7.3	7.2	7.0	7.0	7.2	6.3	6.0	6.7	6.8	6.8	7.0	7.0	6.9
PPG-PR 128	6.8	6.7	6.8	7.0	6.8	7.0	6.5	6.7	7.0	7.0	7.0	7.0	6.9
BENCHMARK (PST-2BNS)	6.7	6.5	7.0	7.0	6.7	7.0	6.7	7.0	7.0	7.0	7.0	6.8	6.9
LTP-RAE	6.5	6.5	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.9
LTP-PR 135	7.0	6.7	6.8	6.8	6.7	7.0	6.7	6.8	7.0	7.0	6.8	6.8	6.8
MANHATTAN 6 GLR (PST-2MAGS)	6.7	6.7	6.8	7.0	6.8	7.0	6.5	7.0	6.8	7.0	7.0	6.8	6.8
JR-192	6.5	6.8	7.0	7.0	6.7	7.0	7.0	7.0	7.0	6.8	6.8	6.5	6.8
PST-2K9	6.3	6.8	7.0	7.0	6.7	6.7	6.8	7.2	7.0	7.0	7.0	6.7	6.8
VISION (CL 11601)	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.8	7.0	7.0	6.8	6.8
EXPEDITE (CL 307)	6.7	6.8	6.5	7.0	6.7	6.8	6.3	6.8	7.2	7.0	7.0	7.2	6.8

TABLE 14. (CONT'D) TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH MONTH GROWN AT RIVERSIDE, CA (IN THE SOUTHWEST REGION) 1/ 2011-14 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
STAMINA (IS-PR 487)	6.8	6.3	6.5	7.0	7.0	7.0	6.7	6.7	7.0	7.0	7.0	7.0	6.8
PPG-PR 142	6.5	6.3	6.7	7.0	7.0	7.0	6.3	6.8	7.0	7.0	7.0	7.2	6.8
PROVOST (PPG-PR 143)	6.3	6.5	6.3	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.8
PINNACLE III (BAR LP 10970)	6.7	6.5	7.0	6.8	6.7	6.7	6.8	7.0	7.0	7.0	6.8	6.7	6.8
DLF LGD-3022	6.7	6.5	6.5	7.0	7.0	6.8	6.5	7.0	7.0	7.0	7.0	6.7	6.8
MONSIEUR (IS-PR 488)	7.0	6.5	6.5	6.8	7.0	7.0	6.5	6.7	6.8	7.0	7.0	6.8	6.8
PLAYOFF 2 (P02)	6.5	6.7	7.0	7.0	6.7	6.8	6.7	7.0	7.0	6.8	6.8	6.5	6.8
SIDEWAYS (PSRX-S84)	6.5	6.5	6.5	7.0	7.0	7.0	6.5	6.7	7.0	6.8	7.0	7.0	6.8
INSIGHT	6.8	6.7	6.7	7.0	6.8	7.0	6.2	6.3	7.0	7.0	7.0	6.8	6.8
BAR LP 10969	6.7	6.5	6.8	7.0	6.7	6.5	6.8	7.0	6.8	6.8	7.0	6.5	6.8
SALINAS II (PST-204D)	6.5	6.8	6.7	7.0	6.5	6.8	6.8	6.8	6.8	6.7	6.8	6.8	6.8
SR4660ST (SRX-4MSH)	6.5	6.3	6.8	7.0	6.5	6.8	6.5	6.8	7.0	7.0	7.0	6.8	6.8
PSRX-4CAGL	6.5	6.3	6.3	7.3	7.0	6.3	6.3	6.7	7.2	7.0	7.0	7.0	6.8
THRIVE (IS-PR 469)	5.7	5.5	5.8	7.3	6.8	7.0	6.7	7.2	7.2	7.2	7.3	7.2	6.7
PST-2DR9	6.7	6.8	6.8	7.0	6.3	6.7	6.5	6.7	7.0	6.8	6.7	6.5	6.7
RIO VISTA	6.2	6.3	6.0	7.0	6.5	7.0	6.7	7.0	7.0	6.8	7.0	7.0	6.7
ALLANTE	6.2	6.5	6.5	6.8	6.8	6.8	6.3	6.3	7.0	7.2	7.2	6.8	6.7
BONNEVILLE	6.5	6.0	6.0	7.0	6.8	6.8	6.5	6.7	7.0	7.0	7.0	7.0	6.7
WICKED (SRX-4RHD)	5.8	6.2	6.5	7.0	6.7	6.8	6.8	7.0	7.0	7.0	6.8	6.7	6.7
PISTOL (PST-2ACR)	6.7	6.5	6.7	6.8	6.5	6.5	6.3	6.8	6.7	7.0	7.0	6.7	6.7
PIZZAZZ 2 GLR (PR 909)	6.3	6.0	6.0	7.0	6.5	6.8	6.5	7.0	7.0	7.0	7.0	7.0	6.7
MACH I	5.5	6.0	6.2	7.7	7.0	6.2	6.3	6.8	7.3	7.0	7.0	7.0	6.7
BANFIELD (IS-PR 491)	6.2	6.2	6.3	7.0	6.8	6.7	6.3	6.5	6.8	7.0	7.0	7.0	6.7
SUNSTREAKER (APR 2036)	5.8	5.8	6.5	7.0	6.7	6.8	6.5	7.0	7.2	7.0	7.0	6.5	6.7
RIPTIDE (IS-PR 409)	6.0	6.0	6.3	7.0	6.5	6.7	6.5	6.8	7.0	7.0	7.0	7.0	6.7
SIENNA	6.3	6.2	6.2	7.0	6.7	7.0	6.0	6.5	7.0	7.0	7.0	7.0	6.7
BAR LP 10972	6.3	6.3	6.3	7.0	6.5	6.7	6.7	6.8	7.0	6.7	6.8	6.5	6.6
PST-PARKSIDE (PST-2NJK)	6.5	6.5	6.7	6.8	6.7	6.8	6.7	6.8	7.0	6.7	6.5	6.0	6.6
APR 2320	6.5	6.5	6.2	7.0	6.7	7.0	6.5	6.3	6.8	6.8	6.8	6.5	6.6
RAINWATER (PST-2TQL)	5.7	6.5	6.3	6.8	6.5	6.7	6.7	6.8	7.0	7.0	6.8	6.7	6.6
UNO	6.3	5.8	6.0	6.8	6.5	6.7	6.5	7.0	7.0	7.0	7.0	6.8	6.6
HAVEN (APR 2038)	6.2	6.3	6.8	6.8	6.5	6.7	6.3	6.3	7.0	6.5	7.0	6.5	6.6
PST-2NKM	6.0	5.8	6.7	6.8	6.3	6.7	6.7	7.0	6.8	6.7	6.8	6.7	6.6
OCTANE	5.8	5.7	6.0	7.0	6.3	6.8	6.5	6.7	7.0	6.8	7.0	7.0	6.6
BRIGHTSTAR SLT	6.7	6.5	6.3	6.3	6.2	6.2	6.7	7.2	6.8	6.5	6.8	6.3	6.5
METOLIUS (PPG-PR 165)	6.0	5.5	5.7	7.0	6.3	7.0	6.5	6.7	7.0	7.0	7.0	6.8	6.5
PEPPER (RAD-PR62)	5.5	6.0	6.0	6.8	6.5	6.3	6.5	7.0	7.0	6.8	6.8	6.8	6.5
DLF LGT 4182	6.3	6.0	6.3	7.5	6.3	6.0	6.2	6.8	6.7	6.5	6.5	6.7	6.5
PICK 4DFHM	5.5	5.5	6.0	7.0	6.7	6.5	6.3	6.7	7.0	6.7	7.0	7.0	6.5
BAR LP 7608	5.8	6.5	6.3	6.5	6.0	6.2	6.2	6.5	6.3	6.3	6.0	6.0	6.2
PINNACLE	5.3	5.2	5.2	6.0	5.8	5.7	6.0	5.8	6.2	6.0	6.2	5.8	5.8
LINN	6.0	5.5	5.0	5.0	5.0	5.0	5.5	5.5	5.2	5.0	5.2	5.5	5.3
LSD VALUE	1.3	1.3	1.1	0.3	0.7	0.6	0.7	0.5	0.3	0.4	0.3	0.5	0.4
C.V. (%)	17.2	17.8	14.6	3.7	8.7	7.5	9.3	6.1	4.3	4.5	4.4	5.8	4.7

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. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/ 2011-14 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
ASPIRE (IS-PR 489)	5.8	6.2	6.8	6.6	6.8	6.3	6.7	6.8	7.0	6.3	5.8	5.7	6.4
RINOVO	5.8	6.2	6.6	6.8	6.8	6.2	6.8	6.8	6.6	6.2	5.8	5.7	6.3
GRAND SLAM GLD (PPG-PR 164)	5.9	6.2	6.6	6.3	6.5	6.3	6.6	6.6	6.8	6.6	5.9	5.4	6.3
THRIVE (IS-PR 469)	5.7	6.0	6.5	6.8	6.7	6.2	6.7	6.8	6.7	6.3	5.8	5.8	6.3
FIESTA 4	5.8	5.9	6.5	6.4	6.7	6.2	6.5	6.8	6.7	6.3	6.0	5.8	6.3
WICKED (SRX-4RHD)	5.8	5.9	6.6	6.8	6.7	6.4	6.6	6.4	6.6	6.4	5.9	5.3	6.3
RIPTIDE (IS-PR 409)	5.7	6.0	6.3	6.5	6.8	6.3	6.8	6.8	6.8	6.2	5.8	5.3	6.3
BENCHMARK (PST-2BNS)	5.7	5.9	6.3	6.7	6.8	6.6	6.8	6.5	6.5	6.1	5.8	5.8	6.3
MONSIEUR (IS-PR 488)	5.8	5.9	6.7	6.6	6.4	6.2	6.5	6.5	6.5	6.4	5.9	5.7	6.3
BANDALORE (IS-PR 463)	5.5	5.8	6.4	6.7	6.7	6.3	6.7	6.8	6.8	6.3	5.7	5.4	6.3
BANFIELD (IS-PR 491)	5.8	5.9	6.5	6.8	6.6	6.2	6.5	6.4	6.5	6.4	5.8	5.6	6.2
HANCOCK (IS-PR 479)	5.6	5.9	6.7	6.7	6.6	6.3	6.6	6.8	6.6	6.2	5.7	5.4	6.2
GREEN SUPREME(PPG-PR 121)	5.7	6.0	6.3	6.4	6.4	6.2	6.7	6.6	6.6	6.7	5.8	5.4	6.2
PIZZAZZ 2 GLR (PR 909)	5.6	5.7	6.4	6.5	6.8	6.3	6.5	6.6	6.8	6.3	5.7	5.6	6.2
SEDUCTIVE (ISG-30)	5.7	6.0	6.3	6.6	6.6	6.3	6.4	6.4	6.6	6.3	5.6	5.8	6.2
ASP 0112 (A-35)	5.8	6.0	6.6	6.5	6.7	6.5	6.6	6.3	6.3	6.1	5.6	5.3	6.2
FASTBALL RGL (PPG-PR 133)	5.8	5.8	6.5	6.4	6.3	6.3	6.5	6.4	6.5	6.3	5.8	5.6	6.2
RIO VISTA	5.6	6.0	6.3	6.3	6.5	6.1	6.5	6.8	6.7	6.3	5.8	5.4	6.2
EVOLUTION (S85)	5.6	5.9	6.6	6.5	6.6	6.3	6.4	6.3	6.6	6.3	5.8	5.3	6.2
PALMER V	5.8	5.9	6.3	6.6	6.8	6.2	6.4	6.4	6.3	6.0	5.8	5.6	6.2
PPG-PR 128	5.6	5.8	6.3	6.3	6.5	6.1	6.6	6.6	6.7	6.3	5.8	5.3	6.2
PSRX-4CAGL	5.8	5.8	6.5	6.6	6.5	6.1	6.4	6.5	6.3	6.0	5.7	5.7	6.2
PROMINENT (CS-20)	5.7	5.9	6.3	6.5	6.5	6.3	6.5	6.6	6.3	6.3	5.5	5.3	6.1
SOX FAN (GM3)	5.6	5.8	6.3	6.3	6.5	6.2	6.8	6.5	6.6	6.3	5.7	5.4	6.1
PANGEA GLR (CL 11701)	5.6	5.8	6.4	6.3	6.6	6.3	6.6	6.7	6.6	6.3	5.4	5.1	6.1
DILIGENT (IS-PR 492)	5.7	5.8	6.6	6.3	6.3	6.1	6.5	6.3	6.5	6.3	5.8	5.4	6.1
JR-178	5.6	5.8	6.4	6.4	6.5	6.2	6.4	6.5	6.6	6.2	5.7	5.3	6.1
RAD-PR55R	5.8	5.9	6.6	6.3	6.6	6.3	6.5	6.3	6.4	6.1	5.6	5.1	6.1
SR 4650 (PSRX-3701)	5.4	5.7	6.6	6.5	6.4	6.0	6.5	6.6	6.4	6.1	5.5	5.8	6.1
AMAZING A+ (PPG-PR 138)	5.7	5.7	6.3	6.4	6.6	6.2	6.4	6.5	6.4	6.2	5.6	5.4	6.1
BONNEVILLE	5.5	5.8	6.3	6.3	6.3	6.0	6.5	6.3	6.5	6.3	5.8	5.7	6.1
STAMINA (IS-PR 487)	5.4	5.8	6.4	6.7	6.8	6.3	6.5	6.3	6.5	6.2	5.4	5.2	6.1
SUNSTREAKER (APR 2036)	5.4	5.8	6.3	6.6	6.7	6.1	6.6	6.7	6.6	5.8	5.4	5.3	6.1
SIENNA	5.4	5.5	6.3	6.9	6.9	6.2	6.6	6.3	6.4	6.0	5.2	5.4	6.1
STELLAR 3GL (PPG-PR 134)	5.3	5.8	6.5	6.3	6.5	6.3	6.6	6.4	6.5	6.0	5.5	5.3	6.1
LTP-PR 135	5.6	5.7	6.1	6.4	6.4	6.3	6.5	6.6	6.8	6.2	5.4	5.3	6.1
PROVOST (PPG-PR 143)	5.6	5.8	6.5	6.6	6.6	6.0	6.3	6.0	6.5	6.3	5.5	5.4	6.1
PST-2DR9	5.8	5.9	6.2	6.4	6.6	6.1	6.5	6.4	6.5	6.0	5.3	5.3	6.1
KARMA (PICK 10401)	5.7	5.8	6.4	6.3	6.7	6.2	6.4	6.3	6.5	6.0	5.4	5.2	6.1
PREMIUM (PPG-PR 137)	5.5	5.8	6.2	6.3	6.4	6.2	6.5	6.5	6.5	6.1	5.7	5.3	6.1
OCTANE	5.6	5.8	6.3	6.6	6.6	6.2	6.3	6.2	6.4	6.1	5.5	5.4	6.1
VINTAGE (ISG-36)	5.5	5.8	6.3	6.4	6.4	6.3	6.5	6.4	6.3	6.2	5.7	5.0	6.1
PPG-PR 136	5.4	5.8	6.2	6.3	6.4	6.0	6.5	6.5	6.5	6.0	5.6	5.5	6.1
LTP-RAE	5.5	5.8	6.3	6.3	6.6	6.2	6.3	6.3	6.5	6.1	5.5	5.3	6.1
GO-PR60	5.5	5.7	5.9	6.1	6.4	6.3	6.6	6.4	6.5	6.3	5.8	5.3	6.0
EXPEDITE (CL 307)	5.3	5.6	6.0	6.3	6.4	6.3	6.5	6.4	6.5	6.2	5.7	5.3	6.0

TABLE 15. (CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2011-14 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
EXCELLENCE (ISG-31)	5.5	5.9	6.1	6.1	6.6	6.2	6.5	6.4	6.3	5.9	5.4	5.5	6.0
MANHATTAN 6 GLR (PST-2MAGS)	5.4	5.8	6.2	6.3	6.4	6.1	6.5	6.6	6.4	6.0	5.6	5.2	6.0
MACH I	5.4	5.8	6.3	6.3	6.6	6.2	6.4	6.3	6.4	5.9	5.6	5.1	6.0
DLF LGD-3026	5.5	6.0	6.5	6.7	6.3	5.9	6.4	6.2	6.3	5.9	5.3	5.2	6.0
PPG-PR 142	5.4	5.7	6.3	6.6	6.5	5.9	6.4	6.3	6.4	5.8	5.5	5.2	6.0
PRX-4GM1	5.5	5.5	6.2	6.3	6.5	6.0	6.4	6.5	6.4	5.9	5.5	5.3	6.0
CS-PR66	5.5	5.7	6.3	6.3	6.5	6.1	6.5	6.2	6.3	5.9	5.4	5.3	6.0
APR 2445	5.7	5.8	6.0	6.1	6.3	6.1	6.5	6.3	6.3	5.9	5.6	5.4	6.0
DLF LGD-3022	5.5	5.8	6.0	6.3	6.3	5.9	6.4	6.4	6.5	5.9	5.5	5.3	6.0
APPLE SGL (PPG-PR 140)	5.3	5.5	6.2	6.6	6.8	6.2	6.3	6.2	6.3	5.9	5.4	5.3	6.0
METOLIUS (PPG-PR 165)	5.4	5.7	6.3	6.6	6.3	6.2	6.3	6.4	6.2	5.8	5.3	5.3	6.0
INSIGHT	5.4	5.6	6.4	6.8	6.9	6.0	6.3	6.0	6.3	5.6	5.2	5.2	6.0
SIDEWAYS (PSRX-S84)	5.3	5.8	6.3	6.3	6.3	6.0	6.5	6.1	6.3	5.9	5.5	5.3	6.0
PACIFIC GEM (PST-2MG7)	5.3	5.6	6.0	6.1	6.3	6.1	6.5	6.6	6.3	6.0	5.4	5.1	5.9
UNO	5.4	5.8	6.2	6.3	6.4	5.9	6.5	6.3	6.4	5.8	5.4	4.9	5.9
DLF LGT 4182	5.3	5.8	5.9	6.2	6.3	6.3	6.5	6.1	6.3	5.9	5.3	5.3	5.9
HAVEN (APR 2038)	5.3	5.7	6.2	6.4	6.4	5.9	6.4	6.3	6.4	5.8	5.3	5.2	5.9
GO-G37	5.5	5.6	6.3	6.4	6.2	6.1	6.4	6.3	6.3	5.8	5.3	4.8	5.9
VISION (CL 11601)	5.4	5.7	6.3	6.2	6.5	5.8	6.5	6.2	6.5	5.8	5.3	5.1	5.9
PILLAR (CST)	5.5	5.7	6.3	6.4	6.2	5.7	6.3	6.4	6.3	6.0	5.5	4.9	5.9
PLAYOFF 2 (P02)	5.3	5.8	6.2	6.3	6.4	6.1	6.4	6.1	6.3	5.8	5.2	5.2	5.9
PINNACLE III (BAR LP 10970)	5.2	5.6	6.0	6.4	6.5	6.2	6.5	6.2	6.0	5.9	5.3	4.9	5.9
SALINAS II (PST-204D)	5.5	5.7	6.0	6.4	6.5	5.8	6.3	5.9	6.2	5.9	5.3	5.1	5.9
DOMINATOR (PST-2AG4)	5.3	5.7	6.2	6.3	6.0	5.9	6.5	6.3	6.3	5.8	5.3	4.9	5.9
PST-PARKSIDE (PST-2NJK)	5.3	5.6	5.9	6.3	6.1	6.0	6.5	6.3	6.3	5.7	5.1	5.0	5.8
ALLANTE	5.2	5.3	6.1	6.7	6.8	6.0	6.3	6.2	6.0	5.7	4.9	4.7	5.8
PICK 4DFHM	5.1	5.5	5.8	6.1	6.3	5.9	6.3	6.2	6.3	5.8	5.4	5.2	5.8
APR 2320	5.3	5.5	5.8	5.9	6.3	6.2	6.6	6.3	6.3	5.7	5.0	4.7	5.8
PEPPER (RAD-PR62)	5.3	5.5	5.7	5.8	6.2	6.2	6.4	6.4	6.2	5.5	5.2	5.1	5.8
PST-2K9	5.0	5.5	5.9	6.1	6.1	5.8	6.4	6.2	6.1	5.7	5.3	5.3	5.8
PISTOL (PST-2ACR)	5.2	5.3	5.9	6.0	6.2	5.8	6.3	6.3	6.2	5.7	5.3	5.0	5.8
SR4660ST (SRX-4MSH)	5.1	5.3	5.9	6.0	6.6	6.0	6.4	6.1	6.1	5.6	5.1	4.9	5.8
BAR LP 10969	5.1	5.3	6.0	6.0	6.2	5.9	6.5	6.1	6.2	5.7	5.2	5.0	5.8
PST-2NKM	5.1	5.3	5.9	6.1	6.3	5.9	6.3	6.2	6.1	5.8	5.3	4.8	5.8
RAINWATER (PST-2TQL)	5.2	5.3	5.9	6.1	6.3	6.0	6.3	6.1	5.9	5.7	5.0	5.0	5.7
JR-192	4.9	5.2	5.8	6.3	6.3	6.2	6.3	6.2	5.9	5.5	4.9	4.9	5.7
BAR LP 10972	5.2	5.3	5.8	6.2	6.3	5.9	6.4	6.1	6.1	5.4	4.9	4.3	5.7
GO-DHS	5.0	5.3	5.7	5.8	6.0	6.2	6.2	6.1	6.1	5.7	5.0	4.8	5.6
BAR LP 7608	5.1	5.5	5.9	6.0	6.3	6.0	6.1	6.0	6.0	5.2	4.8	4.8	5.6
BRIGHTSTAR SLT	4.9	5.3	5.8	6.1	6.0	5.9	6.3	6.1	5.9	5.4	4.8	4.8	5.6
PINNACLE	4.9	5.3	5.6	5.6	5.8	5.5	5.9	5.4	5.6	5.2	4.7	4.4	5.3
LINN	4.4	4.7	4.8	4.3	5.1	5.3	5.4	5.3	5.8	5.1	4.8	4.4	4.9
LSD VALUE	0.4	0.6	0.5	0.7	0.8	0.6	0.8	0.7	0.6	0.5	0.6	0.7	0.3
C.V. (%)	9.4	12.3	10.7	14.6	14.6	12.7	15.7	13.2	11.5	10.2	13.7	17.8	5.5

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

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

TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT COVER OF BERMUDAGRASS IN FALL				PERCENT COVER OF OVERSEEDING GRASS				QUALITY 10/15/10
	10/15/10	10/25/10	11/5/10	11/15/10	10/15/10	10/25/10	11/5/10	11/15/10	
LTP-PR 135	99	99	85	45	18.3	46.7	73.3	99.0	3.0
OCTANE	99	99	85	45	15.0	28.3	70.0	99.0	3.3
SOX FAN (GM3)	99	99	85	45	8.3	28.3	66.7	96.3	2.3
BONNEVILLE	99	99	85	45	21.7	35.0	75.0	97.7	4.0
MACH I	99	99	85	45	15.0	38.3	81.7	99.0	3.0
PICK 4DFHM	99	99	85	45	16.7	35.0	71.7	99.0	3.0
GREEN SUPREME (PPG-PR 121)	99	99	85	45	18.3	40.0	68.3	99.0	3.0
FASTBALL RGL (PPG-PR 133)	99	99	85	45	15.0	33.3	81.7	96.3	3.0
STELLAR 3GL (PPG-PR 134)	99	99	85	45	21.7	43.3	76.7	97.7	3.0
EXPEDITE (CL 307)	99	99	85	45	21.7	41.7	76.7	99.0	3.7
PALMER V	99	99	85	45	15.0	31.7	73.3	99.0	2.7
BAR LP 10972	99	99	85	45	8.3	25.0	66.7	99.0	2.3
PST-2K9	99	99	85	45	13.3	31.7	63.3	99.0	3.0
RIO VISTA	99	99	85	45	13.3	33.3	61.7	99.0	3.0
SR 4650 (PSRX-3701)	99	99	85	45	21.7	35.0	73.3	97.7	2.0
SR4660ST (SRX-4MSH)	99	99	85	45	15.0	25.0	63.3	99.0	3.0
BAR LP 10969	99	99	85	45	16.7	35.0	76.7	99.0	3.0
ASPIRE (IS-PR 489)	99	99	85	45	20.0	40.0	73.3	99.0	3.0
JR-178	99	99	85	45	18.3	35.0	76.7	99.0	3.0
PINNACLE	99	99	85	45	15.0	31.7	76.7	99.0	2.0
PPG-PR 136	99	99	85	45	18.3	41.7	68.3	99.0	3.0
PREMIUM (PPG-PR 137)	99	99	85	45	15.0	28.3	58.3	97.7	2.0
AMAZING A+ (PPG-PR 138)	99	99	85	45	16.7	31.7	70.0	97.7	3.0
PROVOST (PPG-PR 143)	99	99	85	45	21.7	40.0	71.7	99.0	3.0
GRAND SLAM GLD (PPG-PR 164)	99	99	85	45	18.3	31.7	63.3	97.7	3.0
PRX-4GM1	99	99	85	45	21.7	30.0	66.7	99.0	3.3
PISTOL (PST-2ACR)	99	99	85	45	5.0	23.3	48.3	97.7	2.0
PST-2NKM	99	99	85	45	11.7	30.0	65.0	97.7	2.3
RINOVO	99	99	85	45	13.3	25.0	71.7	99.0	3.0
EVOLUTION (S85)	99	99	85	45	11.7	30.0	58.3	97.7	4.0
ALLANTE	99	99	85	45	11.7	30.0	68.3	97.7	3.0
HAVEN (APR 2038)	99	99	85	45	20.0	40.0	73.3	99.0	3.0
INSIGHT	99	99	85	45	18.3	43.3	66.7	96.3	3.7
EXCELLENCE (ISG-31)	99	99	85	45	21.7	35.0	78.3	99.0	3.3
APPLE SGL (PPG-PR 140)	99	99	85	45	13.3	28.3	70.0	97.7	3.0
MANHATTAN 6 GLR (PST-2MAGS)	99	99	85	45	18.3	36.7	75.0	99.0	3.3
RAINWATER (PST-2TQL)	99	99	85	45	16.7	28.3	70.0	99.0	3.0
UNO	99	99	85	45	11.7	20.0	70.0	99.0	2.3
BAR LP 7608	99	99	85	45	13.3	35.0	73.3	97.7	2.3
CS-PR66	99	99	85	45	6.7	21.7	73.3	99.0	2.3
PILLAR (CST)	99	99	85	45	16.7	38.3	81.7	99.0	2.3
DLF LGD-3022	99	99	85	45	10.0	21.7	65.0	93.3	2.0
FIESTA 4	99	99	85	45	11.7	26.7	61.7	97.7	2.7
GO-G37	99	99	85	45	13.3	25.0	68.3	99.0	3.0
KARMA (PICK 10401)	99	99	85	45	23.3	36.7	78.3	97.7	3.0
PPG-PR 128	99	99	85	45	15.0	31.7	76.7	99.0	2.7
PPG-PR 142	99	99	85	45	15.0	31.7	76.7	99.0	3.0

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP

TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT COVER OF BERMUDAGRASS IN FALL				PERCENT COVER OF OVERSEEDING GRASS				QUALITY 10/15/10
	10/15/10	10/25/10	11/5/10	11/15/10	10/15/10	10/25/10	11/5/10	11/15/10	
SALINAS II (PST-204D)	99	99	85	45	11.7	25.0	71.7	99.0	2.7
SIENNA	99	99	85	45	15.0	28.3	58.3	96.3	3.0
PARKSIDE (PST-2NJK)	99	99	85	45	10.0	23.3	75.0	94.7	2.3
SUNSTREAKER (APR 2036)	99	99	85	45	11.7	18.3	58.3	93.0	2.3
APR 2445	99	99	85	45	10.0	23.3	75.0	97.7	2.0
BRIGHTSTAR SLT	99	99	85	45	15.0	26.7	73.3	99.0	3.0
PROMINENT (CS-20)	99	99	85	45	16.7	30.0	73.3	99.0	3.0
DOMINATOR (PST-2AG4)	99	99	85	45	5.0	21.7	61.7	99.0	2.0
GO-DHS	99	99	85	45	13.3	28.3	63.3	99.0	3.0
RIPTIDE (IS-PR 409)	99	99	85	45	11.7	26.7	65.0	99.0	2.0
STAMINA (IS-PR 487)	99	99	85	45	11.7	23.3	76.7	99.0	2.7
MONSIEUR (IS-PR 488)	99	99	85	45	6.7	25.0	63.3	99.0	2.0
DILIGENT (IS-PR 492)	99	99	85	45	11.7	26.7	75.0	97.7	3.0
PLAYOFF 2 (P02)	99	99	85	45	15.0	35.0	71.7	93.3	3.7
PIZZAZZ 2 GLR (PR 909)	99	99	85	45	10.0	21.7	61.7	99.0	2.0
PACIFIC GEM (PST-2MG7)	99	99	85	45	10.0	30.0	66.7	97.7	2.0
RAD-PR55R	99	99	85	45	5.0	20.0	60.0	91.7	1.7
SIDEWAYS (PSRX-S84)	99	99	85	45	18.3	33.3	71.7	99.0	3.7
APR 2320	99	99	85	45	5.0	13.3	58.3	91.7	2.0
THRIVE (IS-PR 469)	99	99	85	45	11.7	30.0	73.3	99.0	2.7
BANFIELD (IS-PR 491)	99	99	85	45	16.7	25.0	73.3	99.0	3.0
PANGEA GLR (CL 11701)	99	99	85	45	16.7	30.0	78.3	97.7	2.3
METOLIUS (PPG-PR 165)	99	99	85	45	13.3	25.0	53.3	99.0	2.7
GO-PR60	99	99	85	45	20.0	41.7	68.3	99.0	3.0
VINTAGE (ISG-36)	99	99	85	45	10.0	25.0	76.7	96.3	3.0
LTP-RAE	99	99	85	45	11.7	21.7	68.3	99.0	3.3
PSRX-4CAGL	99	99	85	45	18.3	36.7	70.0	99.0	3.3
PST-2DR9	99	99	85	45	15.0	20.0	73.3	99.0	3.0
PEPPER (RAD-PR62)	99	99	85	45	6.7	23.3	61.7	96.3	2.0
WICKED (SRX-4RHD)	99	99	85	45	11.7	26.7	75.0	99.0	2.3
ASP 0112 (A-35)	99	99	85	45	10.0	26.7	66.7	99.0	2.7
PINNACLE III (BAR LP 10970)	99	99	85	45	8.3	23.3	76.7	99.0	2.0
VISION (CL 11601)	99	99	85	45	18.3	33.3	68.3	99.0	2.7
DLF LGT 4182	99	99	85	45	8.3	21.7	61.7	99.0	2.0
BANDALORE (IS-PR 463)	99	99	85	45	6.7	25.0	65.0	94.7	2.0
JR-192	99	99	85	45	10.0	30.0	65.0	99.0	3.0
DLF LGD-3026	99	99	85	45	13.3	25.0	65.0	99.0	2.7
SEDUCTIVE (ISG-30)	99	99	85	45	15.0	28.3	71.7	99.0	2.7
BENCHMARK (PST-2BNS)	99	99	85	45	5.0	18.3	51.7	99.0	2.0
HANCOCK (IS-PR 479)	99	99	85	45	11.7	28.3	73.3	99.0	2.0
LINN	99	99	85	45	11.7	21.7	68.3	97.7	2.0
LSD VALUE	0	0	0	0	6.7	8.5	4.9	2.8	0.5
C.V. (%)	0	0	0	0	29.2	18.0	4.8	1.7	13.0

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 400 LBS./ACRE.

TABLE 16. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD					QUALITY RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD				
	12/2/10	1/5/11	2/7/11	3/4/11	4/4/11	12/2/10	1/5/11	2/7/11	3/4/11	4/4/11
LTP-PR 135	7.3	8.0	7.3	7.7	7.0	8.0	8.3	8.3	8.3	8.3
OCTANE	7.0	6.3	7.0	7.0	6.3	8.0	8.0	8.3	8.0	8.0
SOX FAN (GM3)	7.7	7.0	7.3	7.0	7.3	8.0	8.0	8.0	8.0	8.0
BONNEVILLE	6.3	6.7	6.7	7.0	6.3	7.0	7.7	8.0	7.7	7.7
MACH I	6.3	7.7	7.0	7.7	7.0	8.0	8.0	8.0	8.0	8.0
PICK 4DFHM	7.0	6.7	7.0	6.7	6.3	8.0	8.0	8.0	8.0	7.7
GREEN SUPREME (PPG-PR 121)	8.0	8.0	6.7	7.3	8.0	8.0	8.0	7.7	7.7	7.7
FASTBALL RGL (PPG-PR 133)	6.7	7.0	7.7	7.0	6.7	7.0	8.0	8.0	8.0	8.0
STELLAR 3GL (PPG-PR 134)	8.0	7.7	8.0	7.7	7.3	8.0	8.0	7.7	8.0	8.0
EXPEDITE (CL 307)	7.0	7.7	7.7	7.0	6.3	7.0	7.3	7.7	7.7	7.7
PALMER V	6.7	7.0	7.0	7.3	7.0	8.0	8.0	8.0	8.0	7.7
BAR LP 10972	7.3	8.0	6.7	6.7	6.3	8.0	8.0	8.0	8.0	8.0
PST-2K9	7.0	7.0	6.7	7.0	7.0	8.0	7.7	7.7	8.0	8.0
RIO VISTA	6.3	7.0	7.0	7.0	7.0	7.0	7.7	7.7	7.7	7.0
SR 4650 (PSRX-3701)	7.7	8.0	7.0	7.3	7.7	8.0	8.0	7.7	8.0	7.3
SR4660ST (SRX-4MSH)	7.0	7.0	6.7	7.0	7.0	7.3	7.7	8.0	8.0	8.0
BAR LP 10969	6.3	6.7	7.0	6.7	6.3	7.0	8.0	7.7	8.0	7.3
ASPIRE (IS-PR 489)	6.3	8.0	7.3	6.7	7.0	7.0	8.0	7.7	7.7	7.7
JR-178	7.0	7.0	7.0	7.0	6.7	7.7	7.3	8.0	7.3	7.7
PINNACLE	6.0	7.0	7.3	6.3	6.3	7.0	7.3	7.7	8.0	7.0
PPG-PR 136	7.7	7.7	7.0	6.7	6.7	8.0	7.7	7.7	7.3	7.3
PREMIUM (PPG-PR 137)	7.3	8.0	7.0	7.0	6.7	8.0	8.0	8.0	8.0	8.0
AMAZING A+ (PPG-PR 138)	7.0	7.0	7.0	6.3	7.0	7.7	8.0	7.7	7.3	7.3
PROVOST (PPG-PR 143)	6.7	7.0	7.0	7.0	6.3	6.7	7.7	8.0	8.0	8.3
GRAND SLAM GLD (PPG-PR 164)	6.7	6.7	6.7	6.7	7.0	6.7	7.7	7.7	7.7	8.0
PRX-4GM1	7.3	6.3	6.7	7.3	7.3	7.7	7.3	7.3	7.3	7.0
PISTOL (PST-2ACR)	7.0	6.7	6.3	6.3	7.0	8.0	7.7	7.3	7.3	7.7
PST-2NKM	7.0	8.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	7.3
RINOVO	7.0	7.3	7.0	7.3	7.0	6.3	7.0	7.0	7.7	8.0
EVOLUTION (S85)	7.3	8.0	7.0	6.7	7.0	8.0	8.0	7.7	7.7	7.3
ALLANTE	6.3	6.7	7.0	7.3	6.7	6.7	7.0	7.3	7.3	7.3
HAVEN (APR 2038)	7.0	6.7	7.0	7.3	7.0	7.0	7.7	8.0	8.0	7.7
INSIGHT	6.0	5.7	6.3	7.0	6.7	7.0	7.0	7.3	7.3	7.7
EXCELLENCE (ISG-31)	7.3	7.0	6.7	6.7	7.0	8.3	7.3	7.3	7.3	7.3
APPLE SGL (PPG-PR 140)	6.3	6.7	7.0	7.0	6.0	7.0	7.3	8.0	8.0	8.0
MANHATTAN 6 GLR (PST-2MAGS)	6.7	6.3	6.3	6.7	7.3	7.7	7.3	7.3	7.0	7.3
RAINWATER (PST-2TQL)	6.0	6.7	6.7	6.7	6.3	6.7	7.7	8.0	8.0	7.7
UNO	6.3	6.7	7.0	7.0	6.0	7.3	7.0	7.7	8.0	8.0
BAR LP 7608	6.7	8.0	7.0	7.0	6.7	7.7	8.0	7.7	7.3	7.0
CS-PR66	7.0	7.0	7.0	7.7	7.3	8.0	8.3	7.7	7.3	7.3
PILLAR (CST)	7.7	7.3	6.7	7.3	7.3	8.0	7.7	7.7	7.7	7.7
DLF LGD-3022	6.3	7.0	7.0	7.0	6.7	7.0	7.0	7.3	7.7	8.0
FIESTA 4	7.0	7.7	7.3	7.0	6.7	8.0	8.0	8.0	7.3	7.3
GO-G37	7.3	8.0	8.0	7.0	7.0	8.0	8.0	7.3	7.7	7.0
KARMA (PICK 10401)	7.7	7.7	7.3	7.3	7.3	7.7	7.3	7.0	7.0	7.0
PPG-PR 128	7.3	7.3	7.0	7.0	7.0	7.0	7.7	7.7	7.3	7.3
PPG-PR 142	5.7	6.0	5.7	6.3	6.7	6.7	7.7	7.7	7.7	7.7

TABLE 16. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD					QUALITY RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD				
	12/2/10	1/5/11	2/7/11	3/4/11	4/4/11	12/2/10	1/5/11	2/7/11	3/4/11	4/4/11
SALINAS II (PST-204D)	7.3	7.3	6.7	7.0	7.0	7.7	7.0	7.3	7.0	7.3
SIENNA	7.0	7.0	6.3	6.3	6.0	7.0	7.3	7.3	7.3	7.3
PARKSIDE (PST-2NJK)	6.7	7.0	7.3	7.0	6.3	7.7	7.7	7.7	7.7	7.7
SUNSTREAKER (APR 2036)	7.0	7.0	7.0	6.7	6.3	6.7	7.7	7.3	7.3	7.0
APR 2445	6.7	6.7	7.7	6.3	7.0	7.7	7.7	7.7	7.3	7.7
BRIGHTSTAR SLT	6.7	7.0	7.0	6.7	6.3	6.7	7.0	7.0	7.3	7.3
PROMINENT (CS-20)	7.7	7.0	7.7	7.3	7.7	8.0	7.3	7.0	7.3	7.0
DOMINATOR (PST-2AG4)	7.0	7.0	6.3	7.3	6.7	6.7	7.0	7.0	7.3	7.3
GO-DHS	8.0	7.0	7.0	7.7	8.0	8.0	7.0	7.0	7.3	7.0
RIPTIDE (IS-PR 409)	6.0	6.7	6.7	7.0	7.0	6.7	7.3	7.7	8.0	7.7
STAMINA (IS-PR 487)	7.3	7.7	6.3	7.0	7.3	7.3	7.7	7.7	7.3	7.0
MONSIEUR (IS-PR 488)	6.7	7.7	7.0	7.0	7.0	7.3	7.7	8.0	7.0	7.7
DILIGENT (IS-PR 492)	7.0	7.7	6.7	7.0	7.0	7.0	7.3	7.0	7.3	7.3
PLAYOFF 2 (P02)	7.0	6.7	6.3	6.7	7.0	7.0	7.3	7.3	7.0	7.3
PIZZAZZ 2 GLR (PR 909)	5.7	6.0	6.3	6.7	6.7	6.0	6.7	7.3	7.7	7.7
PACIFIC GEM (PST-2MG7)	6.0	7.0	7.3	7.0	6.3	7.0	7.0	7.3	7.0	7.3
RAD-PR55R	6.0	7.0	7.0	7.0	6.3	7.0	7.0	7.3	7.7	7.3
SIDEWAYS (PSRX-S84)	7.0	6.7	7.0	6.7	7.0	7.0	7.0	7.7	7.7	7.7
APR 2320	6.3	6.7	7.7	7.3	7.0	6.0	7.0	7.7	7.7	7.7
THRIVE (IS-PR 469)	5.0	7.0	6.7	7.0	6.7	5.7	7.0	7.3	7.3	7.3
BANFIELD (IS-PR 491)	6.7	8.0	7.3	7.0	6.7	7.0	7.7	7.0	7.7	7.0
PANGEA GLR (CL 11701)	6.3	5.7	6.0	6.3	7.0	7.0	7.0	7.0	6.7	7.0
METOLIUS (PPG-PR 165)	7.0	7.0	7.0	6.7	7.0	7.0	7.3	7.3	7.3	7.3
GO-PR60	7.3	6.7	6.7	7.0	7.0	8.0	7.0	7.0	6.7	6.7
VINTAGE (ISG-36)	7.0	6.7	6.3	7.0	7.3	8.0	7.7	7.3	7.0	6.7
LTP-RAE	7.0	7.3	7.3	7.0	7.0	7.3	7.7	7.0	6.7	6.3
PSRX-4CAGL	6.3	6.7	7.0	6.7	6.7	6.7	7.0	7.3	6.7	6.7
PST-2DR9	6.7	7.3	6.7	6.7	6.7	7.0	7.0	6.7	6.7	6.7
PEPPER (RAD-PR62)	6.3	7.0	7.0	7.3	7.3	6.7	7.0	7.3	7.7	7.3
WICKED (SRX-4RHD)	6.7	7.0	6.7	7.0	6.7	7.0	7.0	7.3	7.3	7.3
ASP 0112 (A-35)	7.3	6.7	6.7	7.0	7.0	8.0	7.3	7.0	7.0	6.7
PINNACLE III (BAR LP 10970)	6.0	6.7	6.7	6.7	6.3	6.7	7.0	7.0	7.3	7.3
VISION (CL 11601)	6.0	6.3	6.3	6.0	6.3	6.0	7.0	7.3	7.0	7.0
DLF LGT 4182	7.0	7.3	6.7	7.0	6.7	7.7	7.0	7.3	7.3	7.3
BANDALORE (IS-PR 463)	6.3	7.0	6.3	6.7	6.0	7.0	7.0	7.0	7.0	7.3
JR-192	7.0	7.0	6.7	6.7	7.0	7.0	7.0	7.0	7.0	6.7
DLF LGD-3026	7.0	7.0	6.7	7.0	5.7	7.7	6.7	7.0	7.0	6.7
SEDUCTIVE (ISG-30)	6.7	7.3	6.3	6.7	6.3	7.3	7.3	7.0	7.0	6.7
BENCHMARK (PST-2BNS)	6.3	7.0	7.0	6.0	6.3	7.0	7.0	7.0	6.3	6.3
HANCOCK (IS-PR 479)	7.0	6.7	6.3	6.7	6.7	7.0	6.7	6.3	6.3	7.0
LINN	5.0	5.0	4.7	4.7	4.3	6.0	6.0	5.7	5.7	6.0
LSD VALUE	0.7	0.7	0.7	0.8	0.7	0.5	0.7	0.8	0.8	1.1
C.V. (%)	6.6	6.2	6.4	6.3	6.4	4.7	5.3	6.1	6.1	7.4

- 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.
3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 400 LBS./ACRE.

TABLE 16. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	DENSITY RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD					UNIFORMITY RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD				
	12/2/10	1/5/11	2/7/11	3/4/11	4/4/11	12/2/10	1/5/11	2/7/11	3/4/11	4/4/11
LTP-PR 135	8.0	7.3	7.3	7.7	7.7	8.0	7.7	7.7	7.3	7.0
OCTANE	7.7	8.0	8.0	8.3	8.0	8.0	8.0	7.0	7.3	7.7
SOX FAN (GM3)	7.0	7.7	8.0	7.7	7.3	7.7	7.3	6.7	7.0	7.0
BONNEVILLE	7.7	8.0	8.0	8.0	8.0	8.0	8.0	7.0	8.0	8.0
MACH I	8.0	8.0	8.0	8.3	8.7	8.0	7.7	7.0	7.3	7.0
PICK 4DFHM	7.7	8.0	8.0	8.3	7.7	8.0	8.0	7.0	7.3	8.0
GREEN SUPREME (PPG-PR 121)	7.7	7.7	8.0	7.3	7.7	8.0	8.0	7.7	7.7	7.0
FASTBALL RGL (PPG-PR 133)	8.0	8.0	7.7	8.3	8.0	8.0	7.3	8.0	7.7	7.0
STELLAR 3GL (PPG-PR 134)	8.0	8.0	8.0	8.0	8.0	8.0	7.7	7.0	7.0	7.0
EXPEDITE (CL 307)	7.7	7.3	7.3	8.3	7.7	7.0	7.3	7.7	7.7	7.0
PALMER V	8.0	8.0	7.7	8.3	7.3	8.0	8.0	7.0	7.0	7.3
BAR LP 10972	8.0	7.7	7.0	8.0	8.0	8.0	8.0	7.3	7.3	7.3
PST-2K9	7.7	7.7	7.7	8.0	7.3	8.0	8.0	7.0	7.0	7.0
RIO VISTA	7.0	7.7	8.0	8.0	7.7	7.7	8.0	7.3	7.7	7.7
SR 4650 (PSRX-3701)	8.0	8.0	7.7	8.0	7.7	7.0	7.0	7.0	7.3	7.3
SR4660ST (SRX-4MSH)	7.7	7.7	7.7	8.0	7.0	7.7	8.0	7.0	7.0	7.0
BAR LP 10969	8.0	8.0	7.3	8.0	8.0	8.0	7.7	7.0	7.3	7.0
ASPIRE (IS-PR 489)	7.7	8.0	7.0	8.0	7.3	8.0	8.0	7.3	7.3	7.3
JR-178	7.3	7.3	7.3	7.3	7.3	7.7	7.3	8.0	7.3	7.0
PINNACLE	8.0	7.0	7.7	7.3	7.3	8.0	8.0	7.3	7.0	7.3
PPG-PR 136	7.3	7.3	8.0	8.0	7.3	7.0	7.0	7.7	7.0	6.7
PREMIUM (PPG-PR 137)	8.0	8.0	8.0	8.3	7.7	7.0	8.0	7.3	7.3	7.0
AMAZING A+ (PPG-PR 138)	7.0	8.0	7.7	7.3	7.3	8.0	7.3	7.0	7.3	7.0
PROVOST (PPG-PR 143)	8.0	8.0	8.0	8.0	8.0	8.0	7.0	7.0	7.0	7.7
GRAND SLAM GLD (PPG-PR 164)	7.7	8.0	8.0	8.3	8.3	8.0	7.3	7.7	7.7	7.3
PRX-4GM1	8.0	8.0	8.0	7.7	7.0	7.3	7.3	7.0	7.3	7.0
PISTOL (PST-2ACR)	7.7	7.3	7.0	7.3	7.3	7.3	7.0	7.0	7.0	7.0
PST-2NKM	7.7	8.0	8.0	8.0	8.0	7.0	7.3	7.3	7.0	7.0
RINOV0	8.0	8.0	7.7	7.0	8.0	7.0	7.0	7.7	7.3	7.0
EVOLUTION (S85)	8.0	7.3	7.3	7.3	8.0	8.0	8.0	7.3	7.3	7.0
ALLANTE	7.3	7.3	7.0	7.7	7.7	7.0	7.0	7.3	7.3	7.0
HAVEN (APR 2038)	8.0	8.0	7.3	8.0	8.0	8.0	8.0	7.3	7.0	7.3
INSIGHT	7.7	7.7	7.7	8.0	7.3	7.0	7.7	7.3	7.3	7.0
EXCELLENCE (ISG-31)	7.3	7.7	7.0	7.7	7.7	8.0	8.0	7.3	7.0	7.7
APPLE SGL (PPG-PR 140)	8.0	7.0	7.7	7.3	7.3	7.0	7.0	7.7	7.7	7.3
MANHATTAN 6 GLR (PST-2MAGS)	7.7	7.0	7.3	7.3	7.3	8.0	7.7	7.3	7.0	7.0
RAINWATER (PST-2TQL)	7.7	8.0	7.7	7.7	7.3	7.7	7.7	7.3	7.3	7.7
UNO	7.7	8.0	7.7	7.3	8.0	7.0	7.0	7.0	7.0	7.0
BAR LP 7608	8.0	7.7	7.3	7.7	7.7	7.0	7.0	7.3	7.0	7.0
CS-PR66	7.7	8.0	7.7	8.0	8.0	8.0	7.7	7.0	7.3	7.0
PILLAR (CST)	7.7	7.3	7.7	7.7	7.7	7.3	8.0	8.0	7.0	7.0
DLF LGD-3022	8.0	8.0	8.0	9.0	8.3	8.0	8.0	8.0	8.0	8.0
FIESTA 4	8.0	7.7	7.7	8.0	7.3	8.0	7.7	8.0	7.3	7.3
GO-G37	7.7	8.0	7.0	8.0	7.7	7.3	7.7	7.0	7.0	7.0
KARMA (PICK 10401)	8.0	8.0	8.0	8.0	8.3	7.3	7.0	7.0	7.0	7.0
PPG-PR 128	7.0	7.3	8.0	8.0	7.3	8.0	7.7	7.3	7.0	7.3
PPG-PR 142	7.0	7.3	7.3	7.7	7.3	7.0	6.7	7.3	7.3	7.3

TABLE 16. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	DENSITY RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD					UNIFORMITY RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD				
	12/2/10	1/5/11	2/7/11	3/4/11	4/4/11	12/2/10	1/5/11	2/7/11	3/4/11	4/4/11
SALINAS II (PST-204D)	7.3	7.7	7.0	7.7	7.3	7.0	7.0	7.0	7.0	7.0
SIENNA	7.7	7.7	8.0	7.7	7.3	8.0	7.0	7.3	7.0	7.3
PARKSIDE (PST-2NJK)	7.0	7.0	7.3	8.0	7.3	8.0	8.0	7.7	7.3	7.3
SUNSTREAKER (APR 2036)	7.3	7.3	7.3	7.0	7.3	7.3	7.0	8.0	8.0	7.3
APR 2445	8.0	7.7	7.3	7.7	7.7	7.0	7.3	7.7	7.3	7.0
BRIGHTSTAR SLT	7.7	6.7	7.0	6.7	7.3	7.3	7.0	7.0	7.0	7.0
PROMINENT (CS-20)	7.3	7.3	7.3	7.3	7.3	7.7	7.0	7.3	7.0	7.0
DOMINATOR (PST-2AG4)	7.0	7.3	8.0	8.0	7.7	8.0	8.0	7.0	7.0	7.3
GO-DHS	7.3	7.0	7.0	7.3	7.3	7.7	7.0	7.0	7.3	7.0
RIPTIDE (IS-PR 409)	7.7	7.7	7.3	7.7	7.3	7.0	7.0	7.3	7.0	7.0
STAMINA (IS-PR 487)	7.0	7.7	8.0	7.7	7.0	7.3	7.0	7.0	7.3	7.0
MONSIEUR (IS-PR 488)	7.3	7.0	7.3	7.7	7.3	7.0	7.0	7.0	7.0	7.0
DILIGENT (IS-PR 492)	7.7	7.7	7.0	7.3	7.0	7.0	7.3	7.0	7.0	7.0
PLAYOFF 2 (P02)	7.0	7.7	7.3	8.3	8.0	7.0	7.0	8.0	7.0	7.0
PIZZAZZ 2 GLR (PR 909)	7.0	7.7	8.0	6.3	7.0	8.0	8.0	8.0	7.7	7.3
PACIFIC GEM (PST-2MG7)	7.3	8.0	7.7	8.0	8.0	7.0	7.0	8.0	7.3	7.3
RAD-PR55R	7.3	7.3	8.0	7.7	7.0	6.0	6.7	7.0	7.0	7.3
SIDEWAYS (PSRX-S84)	7.7	7.7	8.0	8.0	8.3	7.0	7.0	7.0	7.0	7.0
APR 2320	7.7	8.0	8.0	8.0	8.3	6.3	7.3	7.3	7.3	7.0
THRIVE (IS-PR 469)	7.7	7.7	7.7	8.3	7.7	7.0	7.3	7.7	7.0	7.0
BANFIELD (IS-PR 491)	8.0	8.0	8.0	8.0	8.0	7.0	7.3	7.3	7.0	7.3
PANGEA GLR (CL 11701)	7.0	7.3	7.0	7.0	7.0	7.0	7.3	7.3	7.0	7.3
METOLIUS (PPG-PR 165)	7.7	8.0	7.7	7.7	7.7	7.3	7.0	7.0	7.0	7.7
GO-PR60	6.7	7.3	7.3	7.0	7.0	7.3	7.0	7.3	7.3	7.3
VINTAGE (ISG-36)	7.0	7.0	7.0	7.3	7.0	6.7	7.0	7.0	7.3	7.3
LTP-RAE	6.7	7.0	7.0	7.0	7.7	7.0	7.0	7.7	7.0	7.3
PSRX-4CAGL	6.7	7.0	7.0	7.3	7.0	7.3	7.7	7.0	7.3	7.0
PST-2DR9	7.0	7.3	7.0	7.0	7.3	6.7	6.7	6.7	6.7	6.7
PEPPER (RAD-PR62)	7.3	7.3	7.0	7.3	7.3	6.0	6.7	7.0	7.0	7.0
WICKED (SRX-4RHD)	7.7	7.7	8.0	7.7	7.7	7.7	8.0	7.3	7.3	7.3
ASP 0112 (A-35)	7.3	7.3	7.3	7.0	7.3	7.0	7.3	7.3	7.3	7.3
PINNACLE III (BAR LP 10970)	7.3	7.0	7.0	7.7	7.3	8.0	7.7	8.0	7.0	7.7
VISION (CL 11601)	7.0	7.0	7.3	7.0	7.3	7.3	7.3	7.3	7.0	7.0
DLF LGT 4182	7.7	7.3	8.0	7.3	7.3	8.0	8.0	7.3	7.3	7.3
BANDALORE (IS-PR 463)	7.7	7.3	7.3	7.7	7.7	7.0	7.0	7.7	7.0	7.0
JR-192	6.7	7.0	8.0	7.3	7.0	7.0	7.3	7.0	7.0	7.0
DLF LGD-3026	8.0	8.0	7.7	8.0	8.0	7.7	8.0	8.0	7.0	7.0
SEDUCTIVE (ISG-30)	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.3	7.0	7.3
BENCHMARK (PST-2BNS)	8.0	7.0	7.3	7.3	7.3	6.3	7.0	7.3	7.3	6.7
HANCOCK (IS-PR 479)	7.0	7.0	7.0	7.0	7.0	7.3	7.0	7.3	7.0	7.3
LINN	7.0	7.0	7.3	6.3	7.0	7.0	7.3	7.0	7.0	7.3
LSD VALUE	0.8	0.9	0.8	0.8	0.9	0.5	0.6	0.8	1.0	1.0
C.V. (%)	6.0	6.0	5.8	6.1	6.3	4.7	5.1	5.6	5.3	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.
3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 400 LBS./ACRE.

TABLE 16. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR OF OVERALL PLOT IN SPRING/SUMMER TRANSITION					QUALITY OF OVERALL PLOT IN SPRING/SUMMER TRANSITION				
	4/14/11	4/27/11	5/9/11	5/23/11	6/1/11	4/14/11	4/27/11	5/9/11	5/23/11	6/1/11
LTP-PR 135	7.0	7.3	7.7	6.7	6.7	8.3	7.3	7.0	5.7	4.0
OCTANE	7.0	7.0	7.0	6.0	6.0	8.3	7.3	7.3	5.3	4.7
SOX FAN (GM3)	7.7	8.0	7.3	7.0	6.0	9.0	7.3	7.0	5.7	4.7
BONNEVILLE	7.0	7.0	6.7	6.7	6.0	7.7	7.7	7.7	5.7	4.3
MACH I	8.0	8.0	7.0	6.3	6.7	8.7	8.0	6.3	5.0	3.3
PICK 4DFHM	7.0	7.0	6.7	6.7	6.3	8.0	7.3	7.0	5.3	4.3
GREEN SUPREME (PPG-PR 121)	6.7	7.0	7.3	7.0	7.0	7.7	7.3	6.7	5.3	5.3
FASTBALL RGL (PPG-PR 133)	7.3	8.0	8.0	5.7	5.7	8.3	7.0	7.0	5.3	5.0
STELLAR 3GL (PPG-PR 134)	7.0	7.7	8.0	7.0	6.7	7.7	7.0	7.0	5.7	4.3
EXPEDITE (CL 307)	7.7	8.0	7.0	5.7	6.0	7.7	7.7	6.7	5.3	5.0
PALMER V	7.7	8.0	7.0	6.3	6.0	8.3	7.0	7.0	5.0	4.0
BAR LP 10972	8.0	8.0	8.0	6.7	6.3	8.0	7.3	6.7	4.7	4.0
PST-2K9	7.0	7.0	7.0	6.3	6.7	8.0	7.0	8.0	4.3	3.3
RIO VISTA	6.3	6.7	6.7	6.7	6.3	7.3	7.3	7.0	5.7	5.0
SR 4650 (PSRX-3701)	7.3	7.0	7.0	7.0	7.0	8.3	7.0	7.0	5.0	4.0
SR4660ST (SRX-4MSH)	7.3	7.7	6.7	7.0	6.0	8.0	7.3	7.0	4.7	4.0
BAR LP 10969	7.7	8.0	7.0	6.0	6.3	8.0	7.3	7.0	4.7	3.0
ASPIRE (IS-PR 489)	6.7	7.0	7.0	7.0	6.7	8.0	7.0	6.7	5.0	4.3
JR-178	6.3	6.0	6.7	6.7	6.3	8.0	7.0	6.7	5.3	3.7
PINNACLE	5.7	5.7	6.0	5.0	5.0	7.3	7.0	7.0	6.0	5.0
PPG-PR 136	6.3	6.0	6.0	6.3	6.3	7.3	6.7	6.7	5.7	4.3
PREMIUM (PPG-PR 137)	6.0	6.7	6.3	6.0	5.7	8.0	7.0	7.0	4.7	3.3
AMAZING A+ (PPG-PR 138)	5.7	6.0	6.0	6.3	6.0	7.7	7.3	7.0	5.0	3.3
PROVOST (PPG-PR 143)	7.0	7.0	7.0	6.3	6.0	8.7	7.0	7.0	4.3	3.3
GRAND SLAM GLD (PPG-PR 164)	7.3	7.3	6.3	6.3	5.7	8.0	7.3	7.0	5.0	3.0
PRX-4GM1	7.0	7.0	6.7	6.0	6.7	7.3	7.0	7.0	5.0	5.0
PISTOL (PST-2ACR)	6.7	6.3	7.0	6.3	6.0	8.0	7.0	7.3	4.7	4.0
PST-2NKM	7.0	7.0	6.7	7.0	6.0	8.0	7.0	7.0	4.3	4.0
RINOVO	7.0	7.3	7.0	7.0	7.0	8.7	7.3	7.0	5.3	4.0
EVOLUTION (S85)	6.3	6.0	6.0	6.7	6.0	7.7	7.0	7.0	4.0	3.0
ALLANTE	6.3	7.0	6.3	6.0	6.3	7.7	7.0	6.3	5.7	4.7
HAVEN (APR 2038)	7.0	7.3	6.7	6.7	6.3	7.7	7.0	6.7	4.0	4.0
INSIGHT	7.0	7.0	6.3	5.7	5.3	7.7	7.0	6.3	5.3	4.3
EXCELLENCE (ISG-31)	6.3	7.0	6.3	6.7	6.3	6.7	7.0	7.0	5.0	3.3
APPLE SGL (PPG-PR 140)	6.3	6.0	6.0	6.0	6.0	8.0	7.3	6.7	4.0	3.0
MANHATTAN 6 GLR (PST-2MAGS)	6.3	7.0	7.0	6.7	7.0	7.7	7.7	7.7	4.3	3.0
RAINWATER (PST-2TQL)	7.3	7.3	7.0	6.0	6.0	8.3	7.3	7.0	3.7	3.3
UNO	7.0	6.7	6.3	5.7	5.0	8.0	7.0	7.0	4.7	3.7
BAR LP 7608	6.7	7.0	7.0	5.7	5.3	7.0	7.0	7.0	4.7	3.7
CS-PR66	7.0	7.0	7.0	7.0	7.0	7.7	7.0	7.0	3.7	3.0
PILLAR (CST)	6.7	7.0	7.0	6.7	6.3	7.3	7.0	7.0	4.3	3.0
DLF LGD-3022	7.0	6.7	7.0	6.7	6.3	8.3	7.0	7.0	4.3	4.0
FIESTA 4	6.7	7.0	6.0	6.7	7.0	7.7	7.3	6.0	4.3	3.0
GO-G37	7.0	7.0	7.0	7.0	6.7	7.3	7.3	6.7	4.7	2.7
KARMA (PICK 10401)	7.0	7.7	8.0	6.7	6.7	7.0	7.0	6.7	5.0	4.7
PPG-PR 128	6.0	7.0	7.0	7.0	6.3	7.3	7.0	6.3	4.7	4.0
PPG-PR 142	6.7	7.0	7.0	6.3	6.3	7.3	6.7	6.7	5.3	3.0

TABLE 16. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR OF OVERALL PLOT IN SPRING/SUMMER TRANSITION					QUALITY OF OVERALL PLOT IN SPRING/SUMMER TRANSITION				
	4/14/11	4/27/11	5/9/11	5/23/11	6/1/11	4/14/11	4/27/11	5/9/11	5/23/11	6/1/11
SALINAS II (PST-204D)	6.0	6.0	6.3	7.0	6.3	7.7	7.0	7.0	4.7	4.3
SIENNA	5.3	5.0	5.7	6.0	5.0	7.3	7.3	6.3	5.7	3.0
PARKSIDE (PST-2NJK)	6.0	6.3	6.0	6.7	5.3	7.7	7.0	6.0	4.0	3.0
SUNSTREAKER (APR 2036)	5.7	6.3	6.0	6.0	6.3	7.0	7.0	7.0	5.0	3.7
APR 2445	6.0	6.0	7.0	6.3	6.3	7.7	7.3	6.0	3.7	3.7
BRIGHTSTAR SLT	6.3	7.0	6.3	6.0	4.7	6.7	7.3	7.0	4.7	4.0
PROMINENT (CS-20)	6.0	6.0	6.7	7.0	6.3	6.7	7.3	7.0	4.0	3.0
DOMINATOR (PST-2AG4)	7.0	8.0	7.3	6.7	6.3	7.7	7.3	7.3	4.7	3.7
GO-DHS	6.3	7.0	7.0	7.3	6.7	7.0	7.0	7.0	4.7	3.3
RIPTIDE (IS-PR 409)	7.0	7.0	6.3	6.3	6.7	8.0	7.0	6.7	4.7	3.0
STAMINA (IS-PR 487)	7.0	7.0	6.7	7.0	7.0	7.7	7.0	6.3	4.7	3.0
MONSIEUR (IS-PR 488)	7.0	7.0	6.7	6.3	6.3	7.3	7.0	6.7	4.3	3.0
DILIGENT (IS-PR 492)	6.7	7.0	6.7	6.7	6.0	7.3	6.7	6.3	5.3	3.0
PLAYOFF 2 (P02)	6.3	6.7	6.3	6.7	6.7	7.0	7.0	7.0	4.0	3.3
PIZZAZZ 2 GLR (PR 909)	6.3	6.3	6.3	6.3	6.3	7.7	7.7	7.0	5.3	3.0
PACIFIC GEM (PST-2MG7)	6.3	6.3	6.0	6.3	6.3	7.7	7.3	7.3	4.3	3.3
RAD-PR55R	6.7	6.7	7.0	6.7	7.0	7.3	7.0	6.3	5.0	4.0
SIDEWAYS (PSRX-S84)	7.0	7.3	6.7	6.3	6.3	7.7	6.7	6.3	4.3	3.0
APR 2320	7.0	7.0	6.7	6.3	6.3	8.0	7.0	6.7	3.7	3.7
THRIVE (IS-PR 469)	6.7	6.7	6.0	5.3	5.7	8.0	7.3	6.7	4.3	3.0
BANFIELD (IS-PR 491)	6.7	7.0	7.0	6.7	6.3	7.7	6.7	6.0	4.0	3.0
PANGEA GLR (CL 11701)	6.0	6.3	6.0	6.3	6.0	7.3	6.7	7.0	5.0	4.0
METOLIUS (PPG-PR 165)	7.0	7.0	7.0	6.0	6.3	7.3	7.0	6.7	4.3	3.0
GO-PR60	6.0	7.0	7.0	7.0	6.7	6.7	6.7	7.3	3.7	3.0
VINTAGE (ISG-36)	7.0	7.0	7.0	7.0	7.0	6.7	6.3	6.7	3.7	3.0
LTP-RAE	6.7	7.0	6.7	6.7	7.0	6.3	6.3	6.7	4.7	3.7
PSRX-4CAGL	6.7	6.7	6.7	6.3	5.7	6.7	6.3	6.7	4.0	4.3
PST-2DR9	5.7	6.0	5.7	6.3	6.3	6.7	6.7	6.7	5.3	3.7
PEPPER (RAD-PR62)	7.0	7.0	7.0	6.3	7.0	7.0	7.0	6.7	4.0	3.0
WICKED (SRX-4RHD)	7.0	7.0	7.0	6.3	6.7	7.3	6.7	6.7	4.0	3.0
ASP 0112 (A-35)	5.3	5.7	6.3	7.3	6.3	6.7	6.7	6.3	4.3	2.7
PINNACLE III (BAR LP 10970)	6.7	7.0	6.3	6.0	5.7	7.3	6.3	6.7	4.3	3.3
VISION (CL 11601)	6.0	7.0	6.0	5.7	6.0	7.0	7.0	6.3	4.3	3.3
DLF LGT 4182	6.0	6.0	5.7	6.7	6.3	7.0	6.7	6.3	3.3	2.7
BANDALORE (IS-PR 463)	6.0	6.0	6.3	6.0	6.0	7.0	6.7	5.7	4.7	3.3
JR-192	6.3	6.3	6.7	6.7	6.0	6.3	6.3	7.0	4.3	3.0
DLF LGD-3026	6.0	7.0	7.0	7.0	6.0	6.3	6.0	6.0	4.3	4.0
SEDUCTIVE (ISG-30)	5.7	5.3	6.0	6.7	6.0	6.3	6.3	6.7	4.0	3.0
BENCHMARK (PST-2BNS)	5.7	6.7	7.0	6.3	6.3	5.7	6.7	7.0	4.7	3.0
HANCOCK (IS-PR 479)	6.0	6.3	6.3	7.0	6.7	6.7	6.7	6.7	3.3	3.0
LINN	4.0	4.0	4.0	3.3	4.3	6.0	6.0	6.0	4.0	4.0
LSD VALUE	0.6	0.5	0.6	1.1	0.8	2.9	1.3	0.9	2.1	0.6
C.V. (%)	6.2	5.1	5.7	9.6	7.7	12.9	7.2	6.9	18.2	11.7

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 400 LBS./ACRE.

TABLE 16. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	DENSITY OF 4/14/11	OVERALL PLOT IN 4/27/11	SPRING/SUMMER TRANSITION 5/9/11	UNIFORMITY OF 5/23/11	OVERALL PLOT IN 6/1/11	SPRING/SUMMER TRANSITION 4/14/11	UNIFORMITY OF 4/27/11	OVERALL PLOT IN 5/9/11	SPRING/SUMMER TRANSITION 5/23/11	UNIFORMITY OF 6/1/11	QUALITY MEAN
LTP-PR 135	7.3	6.7	6.7	5.7	4.3	7.0	7.0	7.3	5.0	4.0	7.0
OCTANE	8.0	7.3	7.0	5.0	3.7	7.7	8.0	8.0	5.0	4.7	7.0
SOX FAN (GM3)	8.0	7.3	7.0	5.7	4.7	7.0	7.0	7.0	5.3	4.0	6.9
BONNEVILLE	8.0	7.0	7.0	5.7	4.3	7.3	8.0	7.7	5.7	4.7	6.8
MACH I	9.0	7.3	6.7	4.3	3.7	7.0	7.0	7.0	4.3	3.0	6.8
PICK 4DFHM	8.0	7.7	7.0	5.3	5.0	7.3	7.0	7.0	5.3	4.3	6.8
GREEN SUPREME (PPG-PR 121)	7.7	7.3	7.0	5.7	5.0	7.0	7.0	6.7	6.0	4.0	6.8
FASTBALL RGL (PPG-PR 133)	9.0	7.3	6.7	5.7	5.0	7.0	7.7	7.0	5.3	4.0	6.8
STELLAR 3GL (PPG-PR 134)	8.0	7.7	7.0	6.0	4.3	7.0	7.3	7.7	5.0	4.0	6.8
EXPEDITE (CL 307)	7.7	7.0	7.0	5.7	5.0	7.3	7.3	7.3	5.7	4.0	6.7
PALMER V	8.0	7.3	7.0	5.0	3.7	7.3	7.0	7.0	5.7	3.3	6.7
BAR LP 10972	8.0	7.0	6.7	4.3	4.0	7.3	7.0	7.0	4.3	3.3	6.6
PST-2K9	7.3	7.0	6.0	4.0	3.0	7.0	7.3	6.3	4.0	3.0	6.6
RIO VISTA	8.0	7.0	6.0	5.3	5.0	7.3	7.7	7.0	4.7	5.0	6.6
SR 4650 (PSRX-3701)	8.0	7.0	7.0	5.0	4.0	7.3	7.3	7.0	5.0	3.3	6.6
SR4660ST (SRX-4MSH)	7.7	7.7	6.7	4.3	4.0	7.3	7.0	6.7	4.7	4.7	6.6
BAR LP 10969	8.3	7.0	7.0	4.3	3.0	7.3	7.0	7.0	4.0	3.0	6.5
ASPIRE (IS-PR 489)	8.3	7.3	6.7	5.0	4.0	7.3	7.3	7.0	4.7	4.3	6.5
JR-178	8.0	7.0	7.0	4.7	4.0	7.0	7.0	7.0	4.3	2.7	6.5
PINNACLE	7.3	7.3	6.7	5.7	5.0	7.0	7.3	6.7	5.3	4.3	6.5
PPG-PR 136	7.7	7.0	6.0	5.3	4.7	7.0	7.3	6.3	5.7	4.7	6.5
PREMIUM (PPG-PR 137)	8.0	8.0	6.7	4.3	3.3	7.0	7.7	7.0	5.0	3.7	6.5
AMAZING A+ (PPG-PR 138)	7.7	7.3	6.7	5.0	4.0	7.0	7.0	7.0	5.7	4.0	6.5
PROVOST (PPG-PR 143)	8.3	7.3	6.7	4.7	2.7	7.3	7.3	6.7	4.0	3.0	6.5
GRAND SLAM GLD (PPG-PR 164)	8.0	7.7	7.0	4.7	3.7	7.0	7.0	8.0	4.3	3.3	6.5
PRX-4GM1	8.0	7.0	7.0	5.3	5.0	7.0	7.0	7.0	5.0	4.3	6.5
PISTOL (PST-2ACR)	7.7	7.0	5.3	4.7	4.0	7.3	7.0	5.7	4.0	3.7	6.5
PST-2NKM	8.0	7.7	6.0	3.7	3.0	7.3	7.0	6.3	4.3	4.0	6.5
RINOVO	8.7	8.0	7.0	5.3	4.0	7.3	7.0	6.3	6.0	3.7	6.5
EVOLUTION (S85)	7.7	7.0	7.0	4.0	4.0	7.0	7.3	7.0	5.0	3.7	6.5
ALLANTE	7.7	7.0	6.0	5.3	4.7	7.0	7.3	6.7	6.0	5.0	6.4
HAVEN (APR 2038)	8.0	6.7	7.0	4.7	4.0	7.0	8.0	7.0	5.0	4.3	6.4
INSIGHT	7.7	7.0	7.0	5.0	4.0	7.0	7.0	7.0	6.0	4.0	6.4
EXCELLENCE (ISG-31)	7.3	7.3	7.0	4.3	3.3	7.7	7.7	7.0	4.0	3.3	6.4
APPLE SGL (PPG-PR 140)	7.0	6.7	6.0	4.0	3.3	7.3	7.0	6.3	5.0	3.0	6.4
MANHATTAN 6 GLR (PST-2MAGS)	7.0	6.7	5.3	4.0	2.7	7.3	7.3	6.7	3.7	2.7	6.4
RAINWATER (PST-2TQL)	7.7	7.0	6.0	3.7	2.7	7.0	7.0	6.3	4.0	3.3	6.4
UNO	8.0	7.7	7.0	4.7	4.3	7.0	7.3	7.0	5.0	4.7	6.4
BAR LP 7608	7.7	7.3	7.0	4.7	4.0	7.0	7.0	7.0	4.0	3.3	6.3
CS-PR66	8.0	7.0	6.0	3.0	3.0	7.0	7.3	7.0	3.7	3.0	6.3
PILLAR (CST)	7.7	7.3	6.7	4.3	3.0	7.0	7.0	7.0	3.0	3.3	6.3
DLF LGD-3022	8.3	8.0	7.0	4.0	3.3	7.7	7.0	6.7	5.0	3.7	6.3
FIESTA 4	7.7	6.7	6.3	4.3	3.0	7.3	7.0	7.0	5.0	3.0	6.3
GO-G37	7.7	7.0	6.0	4.0	2.7	7.0	7.0	6.3	4.7	2.7	6.3
KARMA (PICK 10401)	8.0	7.0	7.0	5.0	4.3	7.0	7.0	7.0	5.0	4.0	6.3
PPG-PR 128	7.7	6.7	7.0	4.3	3.3	7.3	7.3	7.3	5.0	3.3	6.3
PPG-PR 142	7.3	6.7	5.7	5.0	3.0	7.3	6.7	6.7	5.0	3.0	6.3

TABLE 16. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT EUFAULA (OVERSEEDING AT EUFAULA COUNTRY CLUB), AL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	DENSITY OF OVERALL PLOT IN SPRING/SUMMER TRANSITION					UNIFORMITY OF OVERALL PLOT IN SPRING/SUMMER TRANSITION					QUALITY MEAN
	4/14/11	4/27/11	5/9/11	5/23/11	6/1/11	4/14/11	4/27/11	5/9/11	5/23/11	6/1/11	
SALINAS II (PST-204D)	7.7	7.3	6.3	4.7	4.3	7.0	7.0	6.0	4.7	3.3	6.3
SIENNA	7.7	7.0	7.0	5.3	3.7	7.0	7.3	7.0	5.7	3.3	6.3
PARKSIDE (PST-2NJK)	7.3	7.3	6.7	3.7	2.7	7.3	7.0	7.0	4.3	3.0	6.2
SUNSTREAKER (APR 2036)	7.3	7.0	6.7	4.7	4.7	7.3	7.0	6.7	5.3	4.7	6.2
APR 2445	7.7	7.0	6.7	4.0	3.7	7.3	7.0	7.0	4.7	3.7	6.2
BRIGHTSTAR SLT	7.0	6.7	6.7	4.0	4.0	7.3	7.0	6.7	5.3	3.3	6.2
PROMINENT (CS-20)	7.0	7.0	6.0	4.0	3.0	7.0	7.0	6.7	4.3	3.3	6.2
DOMINATOR (PST-2AG4)	7.7	7.0	6.7	4.7	3.7	7.3	7.0	6.3	4.7	3.3	6.2
GO-DHS	7.0	6.7	6.3	4.3	3.0	7.0	7.0	7.0	4.0	3.3	6.2
RIPTIDE (IS-PR 409)	8.0	7.3	6.7	4.3	3.7	7.3	7.3	7.0	3.3	3.0	6.2
STAMINA (IS-PR 487)	8.0	7.7	6.7	4.7	3.3	7.0	7.0	6.7	3.3	3.7	6.2
MONSIEUR (IS-PR 488)	7.3	7.0	7.0	4.3	3.7	7.3	7.0	7.0	3.3	3.7	6.2
DILIGENT (IS-PR 492)	7.7	6.7	6.7	4.7	3.0	7.0	7.0	7.0	4.0	4.0	6.2
PLAYOFF 2 (P02)	7.3	7.3	7.0	4.0	3.7	7.3	7.3	6.7	4.7	3.3	6.2
PIZZAZZ 2 GLR (PR 909)	7.7	7.0	6.7	5.3	4.3	7.0	6.7	6.7	6.0	4.3	6.2
PACIFIC GEM (PST-2MG7)	8.0	7.3	6.3	4.3	3.0	7.3	7.0	6.7	3.7	3.0	6.2
RAD-PR55R	7.7	7.3	6.3	4.7	3.0	7.0	7.0	7.0	4.7	2.7	6.2
SIDEWAYS (PSRX-S84)	8.0	8.0	6.3	4.0	3.3	7.7	7.3	6.7	4.3	4.3	6.2
APR 2320	8.0	7.0	6.7	4.0	3.7	7.7	7.7	7.0	5.3	4.0	6.1
THRIVE (IS-PR 469)	8.0	7.0	6.3	4.3	4.0	7.0	7.0	7.0	5.0	4.3	6.1
BANFIELD (IS-PR 491)	8.0	7.0	6.3	4.0	3.3	7.3	7.3	7.0	4.0	3.7	6.1
PANGEA GLR (CL 11701)	7.3	6.3	7.0	5.0	4.3	7.0	7.3	7.0	5.7	4.0	6.1
METOLIUS (PPG-PR 165)	7.7	7.0	6.7	4.0	3.3	7.7	7.0	7.0	4.3	3.3	6.1
GO-PR60	7.0	7.0	6.0	3.7	3.0	7.0	7.3	6.3	3.7	2.7	6.0
VINTAGE (ISG-36)	7.0	6.7	6.3	3.3	2.7	7.3	7.7	7.0	4.0	2.7	6.0
LTP-RAE	7.3	6.7	6.3	4.3	3.7	7.0	7.0	6.7	5.0	3.7	6.0
PSRX-4CAGL	7.0	7.0	7.0	3.7	3.3	7.3	7.0	6.0	4.3	3.7	6.0
PST-2DR9	7.3	7.0	6.7	4.7	3.0	6.7	7.0	6.3	4.0	2.7	6.0
PEPPER (RAD-PR62)	7.3	6.7	6.0	3.7	3.0	7.0	7.0	6.3	3.3	3.3	6.0
WICKED (SRX-4RHD)	7.7	7.3	7.0	4.0	3.0	7.7	8.0	7.0	4.7	4.0	6.0
ASP 0112 (A-35)	7.0	6.7	6.3	4.0	2.7	7.3	7.3	6.7	3.3	3.3	5.9
PINNACLE III (BAR LP 10970)	7.7	8.0	6.0	4.0	3.0	7.3	7.7	6.3	4.0	3.0	5.9
VISION (CL 11601)	7.0	7.0	6.3	4.7	3.3	7.3	7.0	7.0	6.3	4.0	5.9
DLF LGT 4182	7.3	7.0	6.3	3.0	2.7	7.0	7.0	6.7	3.0	3.3	5.9
BANDALORE (IS-PR 463)	7.3	6.7	7.0	4.7	3.7	7.0	7.0	7.0	5.0	3.7	5.9
JR-192	7.0	7.3	6.7	4.3	3.0	7.0	7.0	6.7	4.7	3.3	5.9
DLF LGD-3026	8.0	7.7	6.7	4.0	4.0	7.3	7.3	7.0	4.3	4.3	5.8
SEDUCTIVE (ISG-30)	6.3	6.0	6.0	4.0	3.3	7.0	7.0	6.7	3.3	3.3	5.8
BENCHMARK (PST-2BNS)	7.3	7.3	5.7	4.3	3.3	6.7	6.7	6.0	3.7	3.0	5.7
HANCOCK (IS-PR 479)	7.0	6.7	6.3	3.3	3.0	7.3	7.3	7.0	3.0	3.3	5.6
LINN	7.0	7.0	7.0	4.0	4.0	7.3	7.0	6.3	5.3	5.0	5.2
LSD VALUE	2.0	0.9	0.8	2.5	0.8	1.9	0.7	0.7	0.9	1.1	0.4
C.V. (%)	9.0	6.3	6.6	20.9	13.5	5.8	5.0	5.6	11.9	16.8	4.1

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 400 LBS./ACRE.

TABLE 17. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT TUCSON (OVERSEEDING AT TUCSON COUNTRY CLUB), AZ 1/
2010-11 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT OVERSEEDING GRASSES EARLY ESTABLISHED	OVERSEEDING GRASS RATINGS IN FALL TRANSITION			COLOR OF OVERSEEDING GRASS IN WINTER				OVERSEEDING GRASS QUALITY IN WINTER		
		%COVER 12/13/10	%COVER 1/10/11	QUALITY 12/13/10	12/13/10	1/10/11	2/3/11	3/5/11	1/10/11	2/3/11	3/5/11
KARMA (PICK 10401)	38.3	83.3	96.0	6.7	6.7	6.7	6.7	6.3	7.3	7.7	8.3
PPG-PR 128	36.7	90.0	93.0	7.0	6.7	7.0	7.0	6.0	6.7	7.3	8.0
OCTANE	33.3	83.3	96.0	6.7	7.3	7.0	6.0	6.3	6.7	7.0	8.0
EXPEDITE (CL 307)	30.0	81.7	93.7	5.0	6.3	6.3	6.0	6.0	6.7	7.0	6.7
SIDEWAYS (PSRX-S84)	36.7	86.7	96.3	6.7	6.3	6.3	6.0	5.7	7.0	7.7	8.7
VISION (CL 11601)	43.3	88.3	94.7	7.0	6.3	5.7	5.7	5.3	7.3	7.0	8.0
STAMINA (IS-PR 487)	36.7	73.3	93.0	6.0	5.7	6.3	7.0	6.3	6.3	6.3	6.7
PREMIUM (PPG-PR 137)	33.3	83.3	94.3	6.3	6.3	6.7	6.3	6.0	7.0	7.3	7.7
PPG-PR 142	33.3	86.7	93.0	7.0	6.7	7.3	6.3	6.3	6.7	6.7	7.0
DILIGENT (IS-PR 492)	36.7	80.0	90.0	5.7	6.3	6.0	6.0	5.3	6.7	6.3	7.3
EXCELLENCE (ISG-31)	30.0	83.3	94.7	6.3	7.7	7.3	8.0	7.7	7.0	7.0	7.7
FASTBALL RGL (PPG-PR 133)	31.7	78.3	94.7	6.3	7.0	6.7	6.7	6.0	6.0	7.0	7.3
HAVEN (APR 2038)	40.0	83.3	97.7	6.7	7.0	6.3	5.7	5.7	7.3	7.0	7.0
SIENNA	40.0	80.0	92.3	7.0	6.7	6.0	5.7	6.3	6.0	6.0	7.3
PARKSIDE (PST-2NJK)	28.3	90.0	97.7	7.3	6.7	6.7	6.7	6.7	7.3	6.7	7.0
BAR LP 10972	31.7	80.0	93.0	6.0	6.3	6.7	6.0	5.7	6.3	6.3	6.0
GREEN SUPREME(PPG-PR 121)	33.3	86.7	93.0	5.7	6.7	7.0	6.7	6.3	6.7	7.0	7.0
PST-2K9	31.7	83.3	91.7	6.3	7.0	7.0	5.7	5.7	6.0	6.3	7.0
RIO VISTA	38.3	80.0	90.0	6.3	6.7	6.7	6.0	5.7	6.3	6.0	7.0
INSIGHT	28.3	73.3	90.0	6.7	6.0	6.3	5.7	6.0	6.0	6.0	7.0
THRIVE (IS-PR 469)	38.3	71.7	89.7	5.7	6.3	6.7	6.0	6.0	6.0	6.0	7.0
MONSIEUR (IS-PR 488)	30.0	75.0	86.7	5.7	6.3	6.7	6.3	6.0	5.7	7.0	7.0
PPG-PR 136	35.0	76.7	91.3	5.7	6.0	6.7	5.7	6.3	5.7	6.3	7.7
METOLIUS (PPG-PR 165)	31.7	76.7	93.3	6.0	6.3	6.0	5.7	6.0	5.7	6.3	6.3
PRX-4GM1	43.3	81.7	93.0	6.3	7.0	6.7	6.3	6.3	6.7	5.7	7.0
MANHATTAN 6 GLR (PST-2MAGS)	38.3	78.3	91.3	6.0	6.7	6.0	5.7	6.0	6.0	6.0	6.3
PACIFIC GEM (PST-2MG7)	30.0	78.3	93.0	5.7	7.0	6.7	6.3	7.0	6.0	6.7	6.3
PROMINENT (CS-20)	20.0	88.3	93.0	6.0	7.7	8.3	7.7	7.3	7.0	7.0	6.7
LTP-PR 135	33.3	76.7	91.7	6.0	6.3	7.3	6.3	6.3	6.7	6.7	6.7
WICKED (SRX-4RHD)	26.7	80.0	93.3	5.7	7.0	7.0	6.0	6.3	5.7	6.3	7.0
MACH I	30.0	85.0	97.7	6.0	6.3	7.3	7.3	7.0	7.0	7.7	7.7
GRAND SLAM GLD (PPG-PR 164)	28.3	76.7	93.3	5.7	7.3	7.7	7.3	6.7	6.7	7.0	6.7
RAINWATER (PST-2TQL)	20.0	81.7	94.7	5.7	6.7	6.7	6.7	6.3	6.7	7.0	7.3
SUNSTREAKER (APR 2036)	30.0	78.3	86.7	5.7	7.0	7.0	4.7	6.0	6.0	5.7	6.0
PILLAR (CST)	21.7	73.3	94.7	5.0	7.0	6.7	6.3	6.0	6.3	6.3	7.7
DLF LGD-3022	28.3	85.0	93.0	6.7	7.3	6.7	6.7	6.0	6.3	5.7	7.0
ASPIRE (IS-PR 489)	21.7	76.7	91.7	5.7	7.0	6.0	5.3	5.3	6.3	6.0	6.7
PLAYOFF 2 (P02)	23.3	83.3	90.0	6.0	7.0	7.0	6.7	6.0	6.7	7.7	7.0
PROVOST (PPG-PR 143)	36.7	80.0	94.3	6.0	6.3	6.7	6.0	6.0	6.3	7.0	7.0
PST-2DR9	23.3	73.3	90.0	5.0	6.7	7.3	6.3	6.3	6.0	6.0	6.7
RAD-PR55R	21.7	70.0	88.3	6.0	8.0	7.3	6.7	6.7	5.7	5.7	7.3
PANGEA GLR (CL 11701)	33.3	76.7	86.3	5.7	6.7	7.3	5.7	6.0	5.7	6.3	6.3
STELLAR 3GL (PPG-PR 134)	35.0	66.7	86.3	5.3	7.0	6.7	6.0	6.0	6.0	6.3	6.7
RINOVO	38.3	71.7	90.0	5.7	7.0	6.3	7.0	6.3	6.0	5.3	6.0
GO-G37	26.7	68.3	91.3	5.3	8.0	8.0	7.7	7.7	5.7	5.7	7.0
BANDALORE (IS-PR 463)	30.0	83.3	90.0	6.3	7.0	6.3	6.0	5.7	6.3	5.7	6.0
LTP-RAE	21.7	66.7	91.7	5.3	7.0	7.0	6.0	6.0	5.7	6.0	6.3

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 17. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT TUCSON (OVERSEEDING AT TUCSON COUNTRY CLUB), AZ 1/
 2010-11 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT OVERSEEDING GRASSES EARLY ESTABLISHED	OVERSEEDING GRASS RATINGS IN FALL TRANSITION			COLOR OF OVERSEEDING GRASS IN WINTER				OVERSEEDING GRASS QUALITY IN WINTER		
		%COVER 12/13/10	%COVER 1/10/11	QUALITY 12/13/10	12/13/10	1/10/11	2/3/11	3/5/11	1/10/11	2/3/11	3/5/11
PIZZAZZ 2 GLR (PR 909)	40.0	81.7	96.3	6.7	6.3	6.0	6.3	6.0	6.3	6.3	6.3
UNO	26.7	81.7	91.7	6.3	6.7	6.3	6.3	6.3	6.7	7.0	6.7
SOX FAN (GM3)	26.7	78.3	93.0	5.7	6.7	7.0	6.3	6.0	6.7	6.7	7.0
GO-DHS	21.7	63.3	81.3	4.7	8.0	7.7	6.7	6.3	6.0	5.7	6.3
RIPTIDE (IS-PR 409)	25.0	76.7	88.3	5.3	6.7	7.0	6.3	6.7	6.3	6.0	6.7
BANFIELD (IS-PR 491)	21.7	76.7	86.7	5.7	7.0	7.7	6.7	6.7	5.7	5.3	6.0
ALLANTE	31.7	80.0	91.7	6.0	6.3	6.7	6.3	5.3	6.0	6.3	6.7
APR 2445	18.3	70.0	91.7	5.3	6.7	7.0	7.0	6.3	6.3	6.0	6.0
PINNACLE III (BAR LP 10970)	30.0	83.3	91.3	6.3	7.3	7.3	6.0	6.0	6.3	5.7	6.0
BRIGHTSTAR SLT	30.0	76.7	91.0	6.0	6.3	6.0	5.0	5.3	6.0	5.7	5.7
GO-PR60	25.0	78.3	92.3	6.0	7.0	7.0	6.7	6.0	6.3	5.3	6.0
HANCOCK (IS-PR 479)	26.7	65.0	88.3	5.7	7.0	7.3	7.3	6.7	5.7	5.7	6.3
PINNACLE	40.0	80.0	93.0	6.3	5.7	5.3	4.7	4.7	6.3	6.7	7.0
SR 4650 (PSRX-3701)	31.7	75.0	85.0	5.7	7.3	7.0	6.3	6.3	5.7	5.3	5.7
APR 2320	21.7	71.7	90.0	5.7	7.0	6.7	5.7	6.3	5.3	5.3	5.7
BAR LP 7608	36.7	68.3	85.0	5.3	5.7	5.0	5.3	5.7	5.3	5.3	5.7
APPLE SGL (PPG-PR 140)	23.3	75.0	83.3	5.3	7.0	6.3	6.0	5.7	5.7	6.3	6.0
PSRX-4CAGL	30.0	75.0	88.0	6.3	7.3	7.7	6.7	6.7	6.0	5.3	6.0
BAR LP 10969	23.3	75.0	85.0	6.0	6.3	5.7	5.3	6.0	5.3	4.7	5.7
BONNEVILLE	21.7	71.7	85.0	5.0	7.3	6.3	5.7	6.3	6.0	6.3	6.0
JR-178	25.0	61.7	85.0	5.0	7.0	6.7	6.3	6.0	5.0	5.7	5.7
PISTOL (PST-2ACR)	26.7	71.7	83.3	6.0	7.0	6.3	5.3	5.3	5.3	5.0	5.3
PST-2NKM	26.7	70.0	88.3	5.0	6.7	6.0	6.0	6.0	6.0	5.3	5.3
CS-PR66	28.3	76.7	88.3	6.0	7.0	6.7	5.7	6.0	5.7	5.3	5.3
SALINAS II (PST-204D)	23.3	66.7	83.3	4.7	6.7	7.0	5.7	6.0	4.7	4.7	4.7
DOMINATOR (PST-2AG4)	30.0	71.7	90.0	6.0	7.3	6.3	6.3	5.7	6.0	5.3	5.7
SEDUCTIVE (ISG-30)	31.7	78.3	88.0	5.3	7.3	8.0	7.7	8.0	6.0	5.3	5.7
FIESTA 4	33.3	70.0	85.0	5.7	7.3	6.7	6.0	5.3	5.7	5.0	5.3
PALMER V	30.0	70.0	93.3	6.0	6.0	6.0	6.7	5.7	6.3	6.0	6.0
BENCHMARK (PST-2BNS)	30.0	66.7	80.0	5.7	6.3	6.0	4.7	5.3	5.3	4.7	4.7
DLF LGD-3026	23.3	65.0	81.7	5.0	7.0	6.7	6.0	6.3	5.3	5.0	5.3
PICK 4DFHM	28.3	68.3	83.3	5.7	6.7	6.0	6.0	5.7	5.3	5.0	5.7
AMAZING A+ (PPG-PR 138)	23.3	71.7	83.3	4.7	6.7	7.0	5.7	5.3	5.3	5.3	6.3
VINTAGE (ISG-36)	16.7	55.0	81.7	4.3	7.3	7.3	5.7	7.0	5.3	5.3	4.7
JR-192	25.0	56.7	75.0	4.3	6.7	7.0	5.0	6.0	4.7	4.3	5.3
EVOLUTION (S85)	21.7	56.7	76.7	4.3	8.0	6.7	6.0	5.7	4.3	4.3	4.7
SR4660ST (SRX-4MSH)	23.3	60.0	83.3	4.7	6.3	6.0	6.0	5.7	4.7	5.3	4.7
ASP 0112 (A-35)	25.0	63.3	75.0	4.3	8.0	7.7	7.7	7.3	4.7	4.3	4.7
PEPPER (RAD-PR62)	20.0	48.3	73.3	3.7	6.3	6.0	4.3	5.3	4.7	4.3	4.3
LINN	31.7	55.0	78.3	4.7	4.3	4.3	4.7	4.0	4.0	3.7	4.0
DLF LGT 4182	20.0	36.7	60.0	3.3	5.7	7.0	4.0	5.0	3.0	3.0	3.0
LSD VALUE	22.8	31.4	16.5	3.5	2.1	1.5	2.0	1.5	2.6	4.3	3.4
C.V. (%)	30.2	17.3	8.8	19.9	12.2	11.4	15.4	12.5	17.7	23.6	22.0

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 600 LBS./ACRE.

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 17. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT TUCSON (OVERSEEDING AT TUCSON COUNTRY CLUB), AZ 1/
 2010-11 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR RATINGS OF THE OVERALL PLOT IN SPRING					QUALITY RATINGS OF THE OVERALL PLOT IN SPRING					OVERALL PLOT IN SPRING	IN SPRING	UNIFORMITY
	4/11/11	5/16/11	6/6/11	6/13/11	7/5/11	4/11/11	5/16/11	6/6/11	6/13/11	7/5/11	6/13/11	4/11/11	4/11/11
KARMA (PICK 10401)	6.0	6.3	6.7	6.7	7.0	7.7	7.7	7.3	7.3	6.7	7.7	7.7	7.7
PPG-PR 128	6.0	6.0	6.3	6.0	5.7	7.7	7.7	6.7	8.0	7.3	8.3	7.3	7.3
OCTANE	6.7	6.3	6.7	6.7	7.0	7.7	7.3	7.0	7.7	7.3	8.0	8.0	8.0
EXPEDITE (CL 307)	7.0	6.7	7.0	6.7	6.7	7.3	7.7	8.0	8.7	7.3	9.0	7.3	7.3
SIDEWAYS (PSRX-S84)	6.0	5.7	6.0	6.0	5.7	7.3	5.7	7.0	7.7	6.7	7.3	7.3	7.3
VISION (CL 11601)	6.0	5.7	5.3	5.0	5.3	7.3	7.0	6.3	6.3	6.7	7.3	7.3	7.3
STAMINA (IS-PR 487)	6.7	6.3	6.0	5.7	6.0	7.7	7.0	7.7	8.0	7.3	8.3	8.0	8.0
PREMIUM (PPG-PR 137)	6.0	5.7	6.3	7.0	6.7	6.7	7.0	7.0	7.0	6.7	7.7	7.0	7.0
PPG-PR 142	6.0	7.0	7.0	6.7	6.3	6.7	7.3	7.0	7.3	7.0	7.7	7.0	7.0
DILIGENT (IS-PR 492)	7.3	6.0	6.0	6.3	5.7	7.0	7.0	7.7	8.3	6.3	9.0	7.3	7.3
EXCELLENCE (ISG-31)	8.0	8.3	7.0	7.0	6.3	6.7	6.7	7.0	7.3	6.3	7.3	7.0	7.0
FASTBALL RGL (PPG-PR 133)	6.7	7.0	6.7	6.3	6.3	7.3	6.7	7.3	8.0	5.7	7.7	7.0	7.0
HAVEN (APR 2038)	6.0	6.7	6.0	5.7	5.0	7.0	7.0	6.7	7.0	5.3	7.0	6.0	6.0
SIENNA	5.7	5.7	5.3	5.3	4.3	6.3	8.0	7.3	8.3	4.7	8.3	7.0	7.0
PARKSIDE (PST-2NJK)	6.0	6.0	6.0	6.0	6.7	6.0	6.3	6.7	6.3	6.7	7.0	6.3	6.3
BAR LP 10972	6.7	6.7	6.7	6.0	6.0	6.7	6.7	7.0	8.0	7.0	8.7	6.0	6.0
GREEN SUPREME(PPG-PR 121)	6.3	6.7	7.0	6.0	6.7	7.7	7.0	6.0	6.7	6.3	7.0	6.7	6.7
PST-2K9	6.0	6.3	5.7	6.0	6.0	7.0	7.0	6.7	6.7	7.0	7.0	7.0	7.0
RIO VISTA	6.3	6.7	6.7	6.7	4.7	6.7	7.3	8.0	7.3	5.3	7.7	7.3	7.3
INSIGHT	6.3	6.0	5.7	6.3	4.3	7.0	7.7	7.3	7.0	4.3	7.0	6.0	6.0
THRIVE (IS-PR 469)	7.3	7.3	8.0	7.7	6.7	7.3	7.3	7.3	6.7	6.0	7.7	7.0	7.0
MONSIEUR (IS-PR 488)	6.3	6.7	6.3	6.7	5.0	6.7	7.3	7.3	7.3	5.7	8.0	6.7	6.7
PPG-PR 136	6.3	7.7	7.0	6.7	6.3	7.3	7.3	7.0	6.7	6.0	8.3	7.0	7.0
METOLIUS (PPG-PR 165)	6.3	6.7	7.0	6.3	6.7	7.0	6.7	7.0	7.3	6.7	7.7	7.3	7.3
PRX-4GM1	6.7	7.3	6.7	6.3	6.3	6.3	6.7	7.0	7.3	6.3	8.0	6.3	6.3
MANHATTAN 6 GLR (PST-2MAGS)	6.7	6.7	7.0	6.3	5.7	6.7	7.7	7.0	8.0	5.7	8.7	6.7	6.7
PACIFIC GEM (PST-2MG7)	7.0	7.3	7.3	7.3	7.3	6.3	6.7	6.7	7.3	7.3	7.3	6.7	6.7
PROMINENT (CS-20)	7.3	8.7	8.7	8.3	7.7	6.0	7.0	6.0	6.0	6.7	7.7	6.0	6.0
LTP-PR 135	6.3	6.7	6.7	6.3	5.0	7.0	6.3	7.0	6.7	5.7	7.0	6.7	6.7
WICKED (SRX-4RHD)	6.3	7.0	7.0	6.0	6.0	6.3	6.7	6.7	7.3	7.0	7.7	6.7	6.7
MACH I	7.7	8.3	7.0	7.0	3.0	7.7	7.0	5.7	5.7	3.0	6.0	6.7	6.7
GRAND SLAM GLD (PPG-PR 164)	7.0	6.7	6.7	6.3	6.3	7.0	6.3	6.0	6.3	6.0	7.7	7.7	7.7
RAINWATER (PST-2TQL)	6.3	7.0	7.7	6.3	6.3	7.0	6.0	6.0	6.7	5.3	7.0	6.7	6.7
SUNSTREAKER (APR 2036)	7.0	7.0	7.3	5.7	5.3	6.3	6.7	7.0	6.7	6.3	6.7	6.0	6.0
PILLAR (CST)	6.3	6.3	6.7	6.3	6.3	6.3	6.3	6.7	6.3	5.7	7.7	6.7	6.7
DLF LGD-3022	6.7	7.3	7.0	7.0	6.0	6.0	6.0	6.3	7.0	5.7	7.3	6.7	6.7
ASPIRE (IS-PR 489)	5.7	6.0	5.7	6.0	6.0	6.7	6.0	6.0	6.3	7.0	7.0	7.3	7.3
PLAYOFF 2 (P02)	6.7	7.0	7.0	6.7	5.7	6.0	6.0	6.0	5.7	5.3	6.7	6.0	6.0
PROVOST (PPG-PR 143)	6.7	7.0	7.0	6.7	7.3	6.3	6.0	6.0	6.3	6.0	7.0	7.0	7.0
PST-2DR9	6.3	6.7	6.7	6.7	5.7	6.0	6.7	7.3	7.0	6.0	7.0	6.7	6.7
RAD-PR55R	8.0	8.7	8.3	8.0	6.7	7.0	6.3	6.3	7.0	5.3	7.3	6.7	6.7
PANGEA GLR (CL 11701)	6.3	6.0	6.7	7.0	6.7	6.7	6.3	6.3	6.7	5.7	7.0	7.3	7.3
STELLAR 3GL (PPG-PR 134)	4.7	6.7	6.3	6.7	6.3	6.3	6.3	6.3	6.3	6.3	7.3	6.3	6.3
RINOVO	6.7	6.7	6.7	6.7	5.3	6.7	6.7	7.3	6.7	5.3	8.3	7.0	7.0
GO-G37	8.3	8.7	8.3	7.7	7.0	6.7	6.0	6.0	7.0	6.0	7.3	6.7	6.7
BANDALORE (IS-PR 463)	6.7	6.7	7.0	6.3	6.0	5.7	6.3	5.7	6.0	6.7	7.3	6.0	6.0
LTP-RAE	5.7	6.7	6.7	6.3	6.3	6.7	5.3	6.7	7.0	5.7	7.3	6.3	6.3

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 TABLE 17. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT TUCSON (OVERSEEDING AT TUCSON COUNTRY CLUB), AZ 1/
 2010-11 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR RATINGS OF THE OVERALL PLOT IN SPRING					QUALITY RATINGS OF THE OVERALL PLOT IN SPRING					OVERALL PLOT IN SPRING	
	4/11/11	5/16/11	6/6/11	6/13/11	7/5/11	4/11/11	5/16/11	6/6/11	6/13/11	7/5/11	DENSITY	UNIFORMITY
PIZZAZZ 2 GLR (PR 909)	6.3	6.7	6.3	5.7	4.7	6.3	6.3	6.3	6.0	4.3	7.0	6.7
UNO	6.7	6.3	6.3	6.0	5.7	5.7	6.7	6.0	5.3	4.7	6.7	6.7
SOX FAN (GM3)	6.3	6.3	6.0	5.7	3.3	6.7	6.3	6.0	5.7	3.3	6.0	6.0
GO-DHS	8.3	7.7	8.0	7.7	8.0	6.0	6.0	6.0	7.3	6.3	7.7	6.0
RIPTIDE (IS-PR 409)	7.0	7.0	7.0	6.7	4.7	7.3	6.0	6.0	6.0	4.7	7.0	6.7
BANFIELD (IS-PR 491)	6.7	7.3	8.0	7.3	6.7	6.0	6.0	6.0	7.0	6.7	8.0	5.7
ALLANTE	6.3	6.0	5.3	5.3	2.0	7.3	7.0	5.0	6.7	2.3	6.3	7.3
APR 2445	7.3	7.3	7.0	7.3	7.3	6.0	5.3	5.7	6.7	6.0	6.7	6.0
PINNACLE III (BAR LP 10970)	7.7	7.3	6.7	7.0	4.3	6.0	6.0	5.7	6.3	4.3	6.3	6.3
BRIGHTSTAR SLT	5.0	5.3	6.3	5.0	4.7	6.7	6.3	6.0	5.7	4.7	6.7	6.7
GO-PR60	7.0	7.3	7.7	6.7	6.0	6.0	7.0	6.0	6.0	4.7	6.7	6.7
HANCOCK (IS-PR 479)	7.3	8.0	7.7	7.3	5.3	6.7	6.0	6.3	6.3	4.7	7.0	6.3
PINNACLE	4.7	4.7	4.7	4.7	3.0	6.3	6.0	5.7	5.3	3.7	6.0	6.0
SR 4650 (PSRX-3701)	6.7	6.3	7.7	6.3	6.3	6.3	6.3	6.3	6.3	5.7	8.0	6.3
APR 2320	7.3	7.3	7.3	7.0	6.7	5.7	6.0	6.0	6.3	6.0	6.7	6.0
BAR LP 7608	6.0	6.0	5.7	5.3	5.3	5.7	6.7	6.3	6.0	5.7	7.7	6.0
APPLE SGL (PPG-PR 140)	6.7	6.0	5.7	6.0	4.7	6.3	6.3	6.0	5.7	4.3	6.0	7.0
PSRX-4CAGL	7.7	7.3	6.7	6.3	4.7	6.3	7.0	5.7	5.7	4.0	6.3	6.0
BAR LP 10969	5.3	5.3	6.3	5.3	4.7	5.7	6.0	6.7	6.7	5.0	7.3	5.7
BONNEVILLE	7.0	5.7	6.0	6.3	6.0	6.3	5.3	5.7	5.7	5.3	6.3	6.3
JR-178	7.0	6.3	6.7	6.0	6.0	6.0	5.3	6.7	6.3	5.3	6.7	6.3
PISTOL (PST-2ACR)	6.3	6.3	6.3	6.3	5.7	5.7	6.3	5.7	6.7	5.0	7.0	6.3
PST-2NKM	6.3	5.7	6.0	6.0	4.7	5.7	6.3	6.0	6.7	5.3	7.3	5.7
CS-PR66	6.7	7.0	6.7	6.3	4.7	5.7	6.3	5.7	6.0	4.3	6.0	6.0
SALINAS II (PST-204D)	6.3	6.3	7.0	6.3	5.3	6.0	6.7	6.3	6.7	6.0	7.7	6.3
DOMINATOR (PST-2AG4)	6.3	7.3	5.7	5.7	3.7	6.3	6.3	6.0	5.3	3.7	6.0	6.0
SEDUCTIVE (ISG-30)	9.0	8.0	7.3	7.0	4.7	6.3	5.7	6.0	5.0	4.0	5.3	6.3
FIESTA 4	7.7	7.3	7.3	5.7	1.7	6.0	7.3	6.3	5.7	2.0	6.3	6.0
PALMER V	7.3	6.3	5.7	5.7	2.3	6.3	5.7	4.7	5.0	2.3	4.3	6.3
BENCHMARK (PST-2BNS)	5.7	6.3	5.7	5.7	5.0	5.0	6.3	5.7	5.7	5.7	7.0	5.0
DLF LGD-3026	7.7	8.3	7.7	6.3	4.7	6.0	6.0	5.7	5.7	3.7	6.0	6.3
PICK 4DFHM	6.7	6.0	5.7	5.7	4.3	5.7	4.7	5.3	5.3	4.3	5.3	6.0
AMAZING A+ (PPG-PR 138)	7.0	6.7	6.3	5.7	4.3	5.7	5.7	5.0	5.0	4.0	6.0	6.0
VINTAGE (ISG-36)	8.7	8.3	8.7	8.0	4.7	5.0	6.3	5.7	5.3	4.0	6.3	6.0
JR-192	6.3	6.3	6.0	6.0	5.7	5.3	5.3	5.3	6.0	5.7	6.0	5.7
EVOLUTION (S85)	6.3	7.0	7.0	6.7	6.0	5.3	5.0	6.0	6.3	5.7	6.7	5.3
SR4660ST (SRX-4MSH)	6.7	5.7	6.0	6.0	5.0	6.0	4.7	5.3	6.0	4.3	5.7	5.3
ASP 0112 (A-35)	7.7	8.3	7.3	7.7	5.0	5.0	5.0	5.7	5.7	5.7	5.3	5.7
PEPPER (RAD-PR62)	6.3	6.0	6.7	6.3	5.7	5.3	5.0	5.0	5.3	5.0	5.3	5.0
LINN	4.0	3.3	5.7	3.3	3.0	4.7	4.0	4.3	4.3	3.0	4.7	3.7
DLF LGT 4182	8.0	7.0	7.7	7.3	4.3	3.7	5.7	5.0	4.3	4.3	5.3	3.7
LSD VALUE	1.3	1.4	1.5	1.2	2.1	2.8	2.6	2.3	2.7	2.6	3.0	2.5
C.V. (%)	11.9	12.1	12.5	11.4	22.0	16.7	16.5	15.9	18.2	25.2	18.1	16.0

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

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

3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 600 LBS./ACRE.

TABLE 17. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT TUCSON (OVERSEEDING AT TUCSON COUNTRY CLUB), AZ 1/
2010-11 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT OVERSEEDING GRASS IN SPRING			GENETIC COLOR	LEAF TEXTURE	QUALITY MEAN
	4/11/11	5/16/11	6/6/11			
KARMA (PICK 10401)	97.7	94.7	93.0	6.0	6.7	7.4
PPG-PR 128	97.7	91.7	86.0	6.0	7.0	7.4
OCTANE	94.7	94.0	86.7	6.3	6.0	7.3
EXPEDITE (CL 307)	94.7	97.3	96.7	7.0	6.3	7.1
SIDEWAYS (PSRX-S84)	97.7	93.0	86.3	5.7	6.7	7.1
VISION (CL 11601)	97.7	90.0	89.0	5.7	7.7	7.0
STAMINA (IS-PR 487)	99.0	96.3	91.3	6.0	6.7	7.0
PREMIUM (PPG-PR 137)	96.0	88.0	79.7	6.3	6.7	7.0
PPG-PR 142	94.7	91.0	91.3	7.0	6.7	7.0
DILIGENT (IS-PR 492)	99.0	95.7	94.0	6.7	6.3	6.9
EXCELLENCE (ISG-31)	97.7	91.3	89.0	7.7	6.3	6.9
FASTBALL RGL (PPG-PR 133)	96.3	90.7	86.7	6.7	6.0	6.9
HAVEN (APR 2038)	94.7	93.0	86.3	6.3	5.0	6.8
SIENNA	99.0	92.7	94.0	5.7	7.3	6.8
PARKSIDE (PST-2NJK)	96.3	94.0	92.7	6.0	4.7	6.7
BAR LP 10972	97.7	94.0	91.3	6.7	6.0	6.7
GREEN SUPREME(PPG-PR 121)	97.7	91.7	83.7	6.7	6.7	6.7
PST-2K9	96.3	85.7	76.7	6.0	6.0	6.7
RIO VISTA	97.7	96.0	93.7	6.7	6.7	6.7
INSIGHT	96.3	91.3	91.3	6.0	6.7	6.6
THRIVE (IS-PR 469)	96.0	96.3	94.7	7.3	6.3	6.6
MONSIEUR (IS-PR 488)	94.7	91.7	92.0	6.3	6.7	6.6
PPG-PR 136	99.0	93.0	89.7	7.3	6.3	6.6
METOLIUS (PPG-PR 165)	97.7	91.3	83.0	6.7	6.7	6.6
PRX-4GM1	94.7	89.0	83.0	6.7	5.7	6.6
MANHATTAN 6 GLR (PST-2MAGS)	97.7	95.7	94.7	6.7	6.0	6.6
PACIFIC GEM (PST-2MG7)	96.3	87.7	83.0	7.3	6.3	6.6
PROMINENT (CS-20)	94.7	88.3	85.0	8.3	6.3	6.5
LTP-PR 135	97.7	88.3	91.3	6.7	6.7	6.5
WICKED (SRX-4RHD)	94.3	90.0	80.0	6.7	6.0	6.5
MACH I	94.7	92.7	87.7	7.7	6.0	6.4
GRAND SLAM GLD (PPG-PR 164)	94.7	87.3	84.3	7.0	6.3	6.4
RAINWATER (PST-2TQL)	96.0	88.3	78.7	7.0	4.7	6.4
SUNSTREAKER (APR 2036)	94.3	92.3	88.3	7.0	6.3	6.3
PILLAR (CST)	92.7	86.7	76.7	6.3	5.0	6.3
DLF LGD-3022	97.7	80.0	82.3	7.0	6.0	6.3
ASPIRE (IS-PR 489)	94.7	84.3	83.3	6.0	6.3	6.3
PLAYOFF 2 (P02)	97.7	83.0	73.3	6.7	5.3	6.3
PROVOST (PPG-PR 143)	96.3	80.7	73.3	7.0	6.3	6.3
PST-2DR9	94.7	89.0	87.0	6.7	6.3	6.3
RAD-PR55R	93.0	88.3	79.7	8.3	5.3	6.3
PANGAEA GLR (CL 11701)	94.7	79.7	76.7	6.3	6.0	6.2
STELLAR 3GL (PPG-PR 134)	93.0	89.7	87.7	5.7	6.7	6.2
RINOV0	93.3	97.0	95.3	6.7	6.0	6.2
GO-G37	94.7	88.3	84.0	8.7	6.0	6.1
BANDALORE (IS-PR 463)	99.0	77.7	80.0	6.7	5.7	6.1
LTP-RAE	96.3	83.3	80.0	6.3	6.0	6.1

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 17. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT TUCSON (OVERSEEDING AT TUCSON COUNTRY CLUB), AZ 1/
 2010-11 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT OVERSEEDING GRASS IN SPRING			GENETIC COLOR	LEAF TEXTURE	QUALITY MEAN
	4/11/11	5/16/11	6/6/11			
PIZZAZZ 2 GLR (PR 909)	96.0	93.0	87.7	6.3	5.7	6.1
UNO	96.0	83.3	82.3	6.3	6.3	6.1
SOX FAN (GM3)	94.7	87.7	81.7	6.3	6.7	6.0
GO-DHS	94.7	93.7	87.7	8.0	5.0	6.0
RIPTIDE (IS-PR 409)	94.7	88.3	78.3	7.0	6.3	6.0
BANFIELD (IS-PR 491)	96.0	88.3	84.0	7.3	5.3	6.0
ALLANTE	94.7	94.3	92.0	5.7	6.7	5.9
APR 2445	97.7	86.3	76.7	7.3	6.0	5.9
PINNACLE III (BAR LP 10970)	97.7	91.3	89.7	7.3	5.7	5.9
BRIGHTSTAR SLT	94.3	89.0	85.0	5.7	6.3	5.9
GO-PR60	96.0	90.7	86.0	7.3	6.3	5.9
HANCOCK (IS-PR 479)	96.0	85.3	86.3	7.3	6.0	5.9
PINNACLE	94.7	93.0	78.7	4.7	5.0	5.9
SR 4650 (PSRX-3701)	96.3	87.3	78.3	6.7	6.3	5.9
APR 2320	92.7	86.0	83.7	7.0	5.3	5.8
BAR LP 7608	91.3	86.7	80.0	6.0	6.0	5.8
APPLE SGL (PPG-PR 140)	97.7	95.0	86.3	6.0	6.3	5.8
PSRX-4CAGL	94.7	93.0	88.0	7.3	6.3	5.8
BAR LP 10969	93.0	90.7	86.7	5.7	5.3	5.7
BONNEVILLE	86.7	78.3	75.7	6.3	5.7	5.7
JR-178	96.0	92.0	92.3	6.3	6.0	5.7
PISTOL (PST-2ACR)	96.0	89.7	83.7	6.3	5.3	5.7
PST-2NKM	99.0	89.7	94.3	6.0	4.7	5.7
CS-PR66	98.7	94.7	92.0	6.7	6.0	5.6
SALINAS II (PST-204D)	97.7	88.0	87.3	6.3	6.0	5.6
DOMINATOR (PST-2AG4)	94.7	81.3	72.3	6.3	5.3	5.6
SEDUCTIVE (ISG-30)	97.7	93.7	90.0	8.3	6.3	5.5
FIESTA 4	93.3	95.7	91.7	7.7	7.0	5.4
PALMER V	97.7	91.3	80.3	6.7	6.0	5.4
BENCHMARK (PST-2BNS)	90.0	84.7	75.3	6.0	6.0	5.4
DLF LGD-3026	91.0	78.0	74.7	7.7	4.7	5.3
PICK 4DFHM	89.7	73.3	83.0	6.0	6.0	5.2
AMAZING A+ (PPG-PR 138)	93.3	85.0	81.7	6.7	6.3	5.2
VINTAGE (ISG-36)	94.7	87.3	79.3	8.7	4.0	5.1
JR-192	88.3	80.0	73.3	6.3	6.3	5.1
EVOLUTION (S85)	88.3	78.0	81.3	6.7	6.3	5.1
SR4660ST (SRX-4MSH)	93.0	89.7	88.0	6.0	6.3	5.1
ASP 0112 (A-35)	96.0	87.3	90.7	7.7	6.3	5.0
PEPPER (RAD-PR62)	83.3	68.3	73.3	6.3	6.3	4.7
LINN	94.7	84.7	83.0	4.7	3.3	4.1
DLF LGT 4182	86.7	73.3	68.3	7.7	4.7	3.9
LSD VALUE	12.9	25.2	48.7	1.1	1.6	1.7
C.V. (%)	4.6	9.7	13.2	10.0	13.7	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.
- 3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 600 LBS./ACRE.

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT GAINESVILLE (OVERSEEDING AT UNIVERSITY OF FLORIDA G. C.), FL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT COVER OF BERMUDAGRASS IN FALL				PERCENT COVER OF OVERSEEDING GRASS				QUALITY IN FALL	
	11/8/10	11/18/10	11/29/10	12/10/10	11/8/10	11/18/10	11/29/10	12/10/10	11/12/10	11/29/10
STELLAR 3GL (PPG-PR 134)	99	70.0	41.7	33.3	5.7	30.0	58.3	66.7	8.0	8.0
ASPIRE (IS-PR 489)	99	70.0	43.3	33.3	7.3	30.0	56.7	66.7	7.3	8.0
MACH I	99	78.3	50.0	31.7	10.7	21.7	50.0	68.3	6.7	7.0
BAR LP 10972	99	76.7	46.7	30.0	6.7	23.3	53.3	70.0	7.3	8.0
BONNEVILLE	99	75.0	41.7	33.3	6.3	25.0	58.3	66.7	7.3	7.0
BANFIELD (IS-PR 491)	99	75.0	53.3	33.3	5.7	25.0	46.7	66.7	6.7	7.3
KARMA (PICK 10401)	99	71.7	43.3	38.3	11.7	28.3	56.7	61.7	7.3	7.7
BENCHMARK (PST-2BNS)	99	76.7	41.7	36.7	10.0	23.3	58.3	63.3	7.7	7.7
RAD-PR55R	99	75.0	46.7	31.7	10.7	25.0	53.3	68.3	6.7	7.3
PEPPER (RAD-PR62)	99	76.7	46.7	33.3	5.7	23.3	53.3	66.7	6.7	7.0
SR4660ST (SRX-4MSH)	99	75.0	45.0	35.0	14.0	25.0	55.0	65.0	6.7	7.3
ASP 0112 (A-35)	99	66.7	43.3	35.0	7.3	33.3	56.7	65.0	7.3	7.3
BAR LP 10969	99	70.0	45.0	30.0	7.3	30.0	55.0	70.0	7.3	7.7
PINNACLE III (BAR LP 10970)	99	75.0	48.3	36.7	9.0	25.0	51.7	63.3	7.0	7.3
PALMER V	99	61.7	40.0	38.3	16.7	38.3	60.0	61.7	7.0	7.0
FASTBALL RGL (PPG-PR 133)	99	70.0	45.0	30.0	12.3	30.0	55.0	70.0	7.3	7.3
APPLE SGL (PPG-PR 140)	99	76.7	43.3	33.3	6.7	23.3	56.7	66.7	7.3	7.3
PRX-4GM1	99	71.7	48.3	31.7	12.3	28.3	51.7	68.3	6.7	7.3
SIENNA	99	80.0	45.0	30.0	15.7	20.0	55.0	70.0	7.3	8.0
ALLANTE	99	73.3	48.3	43.3	6.7	26.7	51.7	56.7	7.7	7.7
APR 2320	99	83.3	50.0	33.3	6.3	16.7	50.0	66.7	7.0	7.0
EXPEDITE (CL 307)	99	78.3	50.0	38.3	10.0	21.7	50.0	61.7	8.0	7.7
PROMINENT (CS-20)	99	73.3	45.0	36.7	6.7	26.7	55.0	63.3	6.7	7.3
DLF LGD-3026	99	73.3	48.3	38.3	10.0	26.7	51.7	61.7	7.3	7.7
FIESTA 4	99	76.7	43.3	43.3	8.0	23.3	56.7	56.7	7.0	7.0
SOX FAN (GM3)	99	71.7	46.7	33.3	10.0	28.3	53.3	66.7	6.7	6.7
GO-G37	99	78.3	50.0	33.3	5.7	21.7	50.0	66.7	6.7	7.0
INSIGHT	99	68.3	43.3	35.0	10.0	31.7	56.7	65.0	7.7	7.7
RIPTIDE (IS-PR 409)	99	68.3	40.0	36.7	12.3	31.7	60.0	63.3	7.7	7.3
HANCOCK (IS-PR 479)	99	78.3	50.0	36.7	5.0	21.7	50.0	63.3	7.0	7.3
STAMINA (IS-PR 487)	99	75.0	48.3	40.0	12.3	25.0	51.7	60.0	7.3	7.0
MONSIEUR (IS-PR 488)	99	71.7	55.0	36.7	5.0	28.3	45.0	63.3	7.0	7.7
DILIGENT (IS-PR 492)	99	70.0	48.3	33.3	8.0	30.0	51.7	66.7	6.7	7.3
SEDUCTIVE (ISG-30)	99	73.3	48.3	45.0	15.0	26.7	51.7	55.0	7.7	7.7
LTP-PR 135	99	73.3	41.7	43.3	8.3	26.7	58.3	56.7	8.0	8.0
PICK 4DFHM	99	75.0	41.7	33.3	13.3	25.0	58.3	66.7	7.3	7.0
PPG-PR 136	99	76.7	43.3	43.3	8.3	23.3	56.7	56.7	7.0	7.7
AMAZING A+ (PPG-PR 138)	99	78.3	45.0	38.3	6.7	21.7	55.0	61.7	7.7	8.0
PPG-PR 142	99	80.0	50.0	46.7	6.3	20.0	50.0	53.3	6.7	7.0
PSRX-4CAGL	99	80.0	51.7	35.0	5.7	20.0	48.3	65.0	6.3	6.7
PST-2K9	99	80.0	48.3	36.7	7.3	20.0	51.7	63.3	7.0	7.3
RIO VISTA	99	71.7	46.7	45.0	11.7	28.3	53.3	55.0	7.7	7.3
UNO	99	70.0	43.3	35.0	13.3	30.0	56.7	65.0	7.3	7.3
SUNSTREAKER (APR 2036)	99	73.3	45.0	43.3	9.7	26.7	55.0	56.7	7.3	7.7
CS-PR66	99	73.3	46.7	35.0	6.3	26.7	53.3	65.0	7.3	7.3
GO-DHS	99	81.7	50.0	36.7	11.7	18.3	50.0	63.3	7.0	6.7
THRIVE (IS-PR 469)	99	80.0	50.0	30.0	7.3	20.0	50.0	70.0	7.0	7.0

TABLE 18.
(CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT GAINESVILLE (OVERSEEDING AT UNIVERSITY OF FLORIDA G. C.), FL 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT COVER OF BERMUDAGRASS IN FALL				PERCENT COVER OF OVERSEEDING GRASS				QUALITY IN FALL	
	11/8/10	11/18/10	11/29/10	12/10/10	11/8/10	11/18/10	11/29/10	12/10/10	11/12/10	11/29/10
EXCELLENCE (ISG-31)	99	76.7	41.7	35.0	6.7	23.3	58.3	65.0	7.3	7.3
JR-178	99	78.3	45.0	36.7	8.3	21.7	55.0	63.3	7.3	7.3
LTP-RAE	99	75.0	46.7	43.3	8.3	25.0	53.3	56.7	6.7	6.7
OCTANE	99	68.3	46.7	38.3	10.0	31.7	53.3	61.7	7.3	7.0
PINNACLE	99	71.7	48.3	36.7	10.0	28.3	51.7	63.3	7.3	7.0
PREMIUM (PPG-PR 137)	99	83.3	46.7	43.3	8.3	16.7	53.3	56.7	7.7	7.3
METOLIUS (PPG-PR 165)	99	70.0	45.0	43.3	10.7	30.0	55.0	56.7	7.3	7.7
SR 4650 (PSRX-3701)	99	73.3	45.0	43.3	10.7	26.7	55.0	56.7	7.0	7.0
SIDEWAYS (PSRX-S84)	99	76.7	46.7	36.7	6.7	23.3	53.3	63.3	7.3	7.7
SALINAS II (PST-204D)	99	73.3	41.7	43.3	13.3	26.7	58.3	56.7	7.7	8.0
PACIFIC GEM (PST-2MG7)	99	76.7	55.0	46.7	5.0	23.3	45.0	53.3	7.3	7.0
PST-2NKM	99	65.0	50.0	36.7	13.3	35.0	50.0	63.3	7.7	7.3
APR 2445	99	75.0	51.7	50.0	6.7	25.0	48.3	50.0	7.3	7.3
BAR LP 7608	99	78.3	48.3	41.7	9.0	21.7	51.7	58.3	7.3	7.0
DLF LGD-3022	99	78.3	48.3	38.3	6.7	21.7	51.7	61.7	7.7	7.7
VINTAGE (ISG-36)	99	81.7	51.7	40.3	9.0	18.3	48.3	59.7	7.0	7.0
JR-192	99	81.7	58.3	51.7	5.0	18.3	41.7	48.3	6.3	6.7
PROVOST (PPG-PR 143)	99	76.7	48.3	43.3	7.3	23.3	51.7	56.7	6.3	6.7
GRAND SLAM GLD (PPG-PR 164)	99	78.3	45.0	48.3	8.3	21.7	55.0	51.7	7.0	7.3
PISTOL (PST-2ACR)	99	73.3	45.0	40.0	9.0	26.7	55.0	60.0	6.7	7.0
PST-2DR9	99	73.3	43.3	36.7	8.0	26.7	56.7	63.3	7.0	7.0
PARKSIDE (PST-2NJK)	99	81.7	61.7	38.3	8.3	18.3	38.3	61.7	7.0	7.0
BRIGHTSTAR SLT	99	76.7	53.3	38.3	10.7	23.3	46.7	61.7	7.7	7.3
VISION (CL 11601)	99	70.0	51.7	48.3	14.0	30.0	48.3	51.7	7.0	7.0
BANDALORE (IS-PR 463)	99	81.7	53.3	40.0	6.7	18.3	46.7	60.0	7.3	7.3
GREEN SUPREME(PPG-PR 121)	99	71.7	48.3	48.3	8.0	28.3	51.7	51.7	6.7	7.0
PPG-PR 128	99	71.7	53.3	43.3	6.7	28.3	46.7	56.7	7.3	7.0
DOMINATOR (PST-2AG4)	99	78.3	51.7	45.0	5.7	21.7	48.3	55.0	7.3	6.7
MANHATTAN 6 GLR (PST-2MAGS)	99	78.3	46.7	41.7	7.3	21.7	53.3	58.3	7.0	7.0
EVOLUTION (S85)	99	73.3	50.0	45.0	5.7	26.7	50.0	55.0	7.0	6.7
PANGEA GLR (CL 11701)	99	73.3	50.0	48.3	6.7	26.7	50.0	51.7	7.3	8.0
PILLAR (CST)	99	73.3	46.7	38.3	8.3	26.7	53.3	61.7	7.7	7.0
DLF LGT 4182	99	80.0	56.7	41.7	8.3	20.0	43.3	58.3	6.3	6.7
GO-PR60	99	83.3	51.7	43.3	6.7	16.7	48.3	56.7	7.0	7.0
PIZZAZZ 2 GLR (PR 909)	99	66.7	46.7	43.3	13.3	33.3	53.3	56.7	6.7	7.0
RINOVO	99	71.7	51.7	55.0	10.7	28.3	48.3	45.0	6.7	7.0
PLAYOFF 2 (P02)	99	71.7	48.3	48.3	11.7	28.3	51.7	51.7	6.3	7.0
RAINWATER (PST-2TQL)	99	81.7	55.0	48.3	9.0	18.3	45.0	51.7	7.0	7.0
HAVEN (APR 2038)	99	75.0	55.0	51.7	7.3	25.0	45.0	48.3	7.0	7.0
WICKED (SRX-4RHD)	99	66.7	53.3	50.0	12.3	33.3	46.7	50.0	7.0	7.3
LINN	99	66.7	41.7	43.3	10.7	33.3	58.3	56.7	7.0	7.3
LSD VALUE	0	23.6	27.5	59.0	14.8	23.6	27.5	59.0	2.1	3.1
C.V. (%)	0	9.6	15.0	28.8	49.0	28.3	13.7	18.8	8.9	9.3

- 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.
3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 400 LBS./ACRE.

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 18. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT GAINESVILLE (OVERSEEDING AT UNIVERSITY OF FLORIDA G. C.), FL 1/
 2011 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR RATINGS			THE RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD						UNIFORMITY RATINGS		
	12/10/10	12/23/10	1/19/11	12/10/10	12/23/10	1/19/11	12/10/10	12/23/10	1/19/11	12/10/10	12/23/10	1/19/11
STELLAR 3GL (PPG-PR 134)	7.0	6.3	7.7	8.0	6.3	8.7	8.0	6.0	9.0	7.7	6.0	8.3
ASPIRE (IS-PR 489)	7.0	7.0	8.0	7.7	6.3	8.7	8.0	6.7	9.0	7.0	6.7	8.7
MACH I	7.7	8.0	9.0	8.0	7.7	8.7	8.0	7.7	9.0	7.3	7.7	8.0
BAR LP 10972	7.7	6.7	8.7	8.0	6.3	8.7	8.0	7.0	9.0	7.7	6.3	8.0
BONNEVILLE	7.3	7.7	8.7	8.0	7.0	8.7	7.7	7.3	9.0	7.7	7.0	9.0
BANFIELD (IS-PR 491)	7.3	7.7	9.0	7.3	7.0	9.0	7.7	7.3	9.0	7.0	7.0	8.3
KARMA (PICK 10401)	7.0	7.0	7.7	7.7	6.3	8.7	8.0	6.7	9.0	7.7	6.3	8.0
BENCHMARK (PST-2BNS)	7.3	7.3	8.3	7.3	6.3	8.7	7.7	6.7	9.0	7.3	6.3	8.0
RAD-PR55R	7.7	7.7	8.3	7.7	7.3	9.0	7.7	7.0	9.0	7.7	7.0	8.3
PEPPER (RAD-PR62)	7.3	8.0	8.3	7.7	7.3	9.0	8.0	7.0	9.0	7.7	7.0	7.7
SR4660ST (SRX-4MSH)	7.0	7.0	8.3	7.7	7.3	8.7	8.0	7.0	8.7	7.3	7.0	7.7
ASP 0112 (A-35)	7.7	7.3	8.7	7.3	7.3	8.3	8.0	7.0	9.0	7.3	7.3	8.7
BAR LP 10969	7.0	6.3	8.3	7.3	6.0	8.7	7.7	6.3	9.0	7.3	6.3	8.0
PINNACLE III (BAR LP 10970)	7.3	7.0	8.0	7.7	6.7	8.3	7.7	6.3	8.7	6.7	6.3	8.0
PALMER V	7.0	7.3	8.3	7.3	7.3	8.7	7.7	7.7	9.0	7.3	7.3	8.3
FASTBALL RGL (PPG-PR 133)	6.3	6.0	8.0	7.3	6.0	8.3	7.7	6.3	9.0	6.7	6.0	8.3
APPLE SGL (PPG-PR 140)	7.3	7.0	8.3	8.0	6.3	8.3	7.7	6.0	8.7	7.3	6.0	8.0
PRX-4GM1	7.7	7.3	8.3	7.3	7.3	8.7	8.0	7.3	9.0	7.7	7.3	8.3
SIENNA	7.0	6.7	8.7	7.7	5.7	8.7	7.7	6.3	9.0	7.0	6.3	8.7
ALLANTE	7.0	5.7	8.0	7.3	5.3	8.7	8.0	5.3	8.7	7.0	4.3	8.7
APR 2320	7.3	6.7	8.3	7.7	6.7	8.3	8.0	6.3	8.3	7.3	6.0	8.0
EXPEDITE (CL 307)	6.7	5.0	7.3	7.7	5.3	8.3	8.0	5.0	8.7	7.0	4.3	8.0
PROMINENT (CS-20)	7.3	6.7	8.7	7.3	6.3	8.0	7.3	6.7	9.0	6.7	6.3	7.0
DLF LGD-3026	7.3	6.3	8.3	7.3	6.0	8.0	7.3	6.3	9.0	7.3	5.3	8.0
FIESTA 4	6.7	6.3	8.7	7.0	6.3	9.0	7.3	6.7	9.0	6.3	6.3	8.3
SOX FAN (GM3)	7.3	7.3	8.7	7.3	7.3	8.7	7.3	7.7	9.0	7.7	7.3	8.7
GO-G37	7.7	7.0	8.7	7.3	6.7	8.7	7.3	7.0	9.0	7.3	7.0	7.3
INSIGHT	7.3	7.0	8.3	7.7	7.0	8.7	8.0	7.0	9.0	7.3	6.7	8.7
RIPTIDE (IS-PR 409)	7.0	7.0	7.7	7.7	6.0	8.3	8.0	6.7	9.0	7.7	6.7	8.0
HANCOCK (IS-PR 479)	7.3	7.0	8.7	7.7	6.7	8.3	8.0	7.0	8.7	7.3	6.3	8.0
STAMINA (IS-PR 487)	6.7	6.7	8.3	7.0	6.0	9.0	7.7	6.3	9.0	6.3	5.7	8.3
MONSIEUR (IS-PR 488)	7.0	6.3	8.0	7.3	6.3	8.7	8.0	6.3	9.0	7.3	5.7	7.7
DILIGENT (IS-PR 492)	7.0	7.3	8.7	7.0	6.7	9.0	7.3	7.7	9.0	6.7	7.3	8.3
SEDUCTIVE (ISG-30)	7.3	6.7	8.7	7.3	6.3	7.7	8.0	6.3	8.7	7.0	5.7	7.3
LTP-PR 135	7.0	6.3	7.7	8.0	6.0	8.3	8.0	6.7	9.0	7.3	5.7	7.7
PICK 4DFHM	6.7	7.0	8.0	7.7	6.7	8.0	8.0	7.3	9.0	7.7	6.7	8.0
PPG-PR 136	6.7	6.0	8.0	7.7	6.0	8.0	8.0	6.0	8.7	6.7	5.7	7.7
AMAZING A+ (PPG-PR 138)	7.0	6.3	7.3	7.7	6.0	8.0	8.0	6.7	8.7	7.3	5.7	7.3
PPG-PR 142	6.7	7.0	9.0	7.3	6.7	9.0	7.0	6.7	9.0	6.3	6.3	8.7
PSRX-4CAGL	7.7	7.7	9.0	7.3	6.7	9.0	7.3	7.0	9.0	7.3	7.7	8.7
PST-2K9	7.0	6.7	7.7	7.3	6.3	9.0	7.7	6.0	9.0	6.7	5.7	8.7
RIO VISTA	6.0	6.3	8.0	7.3	6.0	8.0	8.0	6.3	9.0	6.7	6.0	8.0
UNO	6.7	7.0	8.7	7.3	6.7	8.7	7.3	6.7	9.0	7.0	6.7	8.3
SUNSTREAKER (APR 2036)	7.3	6.7	8.3	7.0	5.7	8.3	8.3	6.0	9.0	7.7	5.7	8.0
CS-PR66	7.3	6.7	7.7	7.7	6.7	7.7	7.3	6.3	9.0	7.3	6.7	7.3
GO-DHS	7.7	7.3	9.0	7.3	7.0	8.3	8.0	7.0	9.0	7.3	7.3	7.7
THRIVE (IS-PR 469)	7.3	6.3	8.0	7.7	6.3	8.7	7.7	6.3	9.0	7.3	6.3	8.0

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 18. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT GAINESVILLE (OVERSEEDING AT UNIVERSITY OF FLORIDA G. C.), FL 1/
 2011 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR RATINGS			THE RATINGS FOR OVERSEEDING GRASS IN WINTER PERIOD						UNIFORMITY RATINGS		
	12/10/10	12/23/10	1/19/11	QUALITY RATINGS			DENSITY RATINGS			12/10/10	12/23/10	1/19/11
EXCELLENCE (ISG-31)	7.3	7.0	8.3	7.7	6.7	8.0	7.7	7.0	8.7	7.3	7.0	7.7
JR-178	7.0	6.0	7.7	7.3	6.0	8.0	7.7	5.7	8.7	7.3	5.7	7.7
LTP-RAE	7.0	6.3	7.7	7.0	6.3	8.3	7.0	6.3	8.3	6.7	6.0	8.7
OCTANE	6.7	7.0	7.7	7.3	6.7	8.0	7.7	7.3	8.7	7.3	6.7	7.3
PINNACLE	6.3	5.7	6.7	7.7	6.0	8.0	7.7	6.0	8.3	6.7	5.0	8.0
PREMIUM (PPG-PR 137)	6.7	6.3	7.7	7.7	6.3	7.7	7.7	6.3	8.0	7.3	5.7	7.3
METOLIUS (PPG-PR 165)	6.7	6.3	8.0	7.0	6.3	8.3	7.7	6.3	9.0	6.3	6.7	8.0
SR 4650 (PSRX-3701)	7.0	6.7	8.7	7.0	7.0	8.7	7.7	7.0	8.7	6.3	7.0	8.7
SIDEWAYS (PSRX-S84)	7.3	6.0	7.7	7.3	6.0	8.3	7.7	6.0	8.3	7.3	5.3	7.7
SALINAS II (PST-204D)	6.7	6.0	7.0	7.3	6.0	8.0	8.0	6.0	8.7	7.0	5.7	7.3
PACIFIC GEM (PST-2MG7)	7.0	6.3	8.0	7.3	6.3	7.7	7.7	6.3	8.7	6.7	6.3	7.0
PST-2NKM	6.7	6.7	7.0	7.0	6.0	8.0	7.7	6.3	8.7	7.0	5.0	7.7
APR 2445	6.0	6.0	8.3	6.3	5.7	8.7	7.0	5.7	9.0	6.0	4.7	7.3
BAR LP 7608	6.7	6.0	7.0	7.7	6.0	8.0	8.0	6.0	8.3	7.3	5.3	8.0
DLF LGD-3022	7.0	6.0	7.3	7.3	5.3	7.3	7.7	5.0	8.3	7.0	5.0	7.3
VINTAGE (ISG-36)	7.3	6.7	8.0	7.0	6.3	8.3	7.7	6.7	8.7	6.7	6.3	8.0
JR-192	7.0	6.3	7.7	6.7	6.0	8.3	6.7	6.3	8.7	6.0	5.7	7.3
PROVOST (PPG-PR 143)	6.3	7.0	8.7	6.7	6.7	9.0	6.7	6.0	9.0	6.0	6.0	8.7
GRAND SLAM GLD (PPG-PR 164)	6.0	5.7	7.7	7.0	6.0	8.3	7.3	6.3	9.0	6.0	5.7	8.0
PISTOL (PST-2ACR)	6.7	6.7	8.0	6.7	6.3	8.7	7.7	6.3	8.7	6.7	5.7	8.0
PST-2DR9	7.0	6.3	7.7	7.0	6.0	8.0	7.7	6.3	8.7	6.7	6.0	7.7
PARKSIDE (PST-2NJK)	6.7	6.0	7.7	7.3	6.0	8.0	7.7	5.3	8.0	6.7	5.3	7.7
BRIGHTSTAR SLT	6.7	6.0	7.3	7.3	5.7	8.7	7.7	5.7	8.7	7.3	5.3	8.0
VISION (CL 11601)	6.0	6.3	7.3	6.3	5.3	8.0	6.7	6.0	8.7	6.3	4.7	7.7
BANDALORE (IS-PR 463)	6.3	5.3	7.0	7.3	5.3	8.0	8.0	5.3	8.0	7.0	4.7	7.3
GREEN SUPREME (PPG-PR 121)	6.3	6.0	8.7	6.3	6.3	8.7	7.0	6.3	9.0	6.3	6.0	8.0
PPG-PR 128	6.3	5.7	8.0	6.7	5.7	8.7	7.3	6.0	9.0	6.7	5.7	8.0
DOMINATOR (PST-2AG4)	7.3	6.7	8.3	7.0	6.3	8.0	7.7	6.7	8.3	6.0	6.7	8.3
MANHATTAN 6 GLR (PST-2MAGS)	7.0	6.0	8.7	7.0	5.7	9.0	7.3	5.3	9.0	6.3	5.7	8.3
EVOLUTION (S85)	6.3	6.0	8.7	6.3	5.3	8.3	6.3	6.3	8.7	6.3	5.7	8.7
PANGEA GLR (CL 11701)	6.7	6.0	8.0	6.7	5.3	7.3	7.7	5.7	8.7	6.7	5.3	7.3
PILLAR (CST)	6.3	5.3	7.3	7.0	5.0	7.7	7.3	5.0	8.7	6.7	5.0	7.3
DLF LGT 4182	7.0	6.7	7.3	7.0	6.3	7.7	7.7	6.0	8.3	6.3	6.0	6.7
GO-PR60	6.7	6.7	7.7	7.0	6.0	8.0	7.7	5.7	8.3	6.7	5.3	8.0
PIZZAZZ 2 GLR (PR 909)	6.7	6.7	8.7	6.7	6.0	8.7	7.0	6.3	8.7	6.7	5.3	8.3
RINOVO	5.7	6.3	8.3	6.3	6.0	8.3	6.3	6.0	8.7	6.3	5.7	8.0
PLAYOFF 2 (P02)	6.0	6.0	8.3	6.3	6.0	8.0	7.0	5.7	8.7	5.7	5.7	7.7
RAINWATER (PST-2TQL)	7.0	6.3	7.7	7.3	5.7	8.0	7.7	6.0	8.7	6.7	5.3	7.7
HAVEN (APR 2038)	6.0	5.0	8.3	6.0	5.0	8.0	7.0	5.3	8.7	6.0	5.0	7.3
WICKED (SRX-4RHD)	5.7	5.0	7.7	6.3	4.7	7.7	7.0	5.0	8.3	5.7	4.3	7.0
LINN	6.0	5.0	5.7	6.3	5.0	7.7	7.7	5.3	7.3	7.3	4.0	8.0
LSD VALUE	4.2	6.0	1.7	5.9	7.5	3.5	3.7	6.8	1.7	5.2	9.1	2.4
C.V. (%)	13.0	18.9	9.5	13.7	20.6	9.2	10.1	20.1	5.7	14.6	27.5	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.
- 3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 400 LBS./ACRE.

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 18. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT GAINESVILLE (OVERSEEDING AT UNIVERSITY OF FLORIDA G. C.), FL 1/
 2011 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR RATINGS			QUALITY RATINGS			DENSITY RATINGS			UNIFORMITY RATINGS			QUALITY MEAN
	2/18/11	3/15/11	4/13/11	2/18/11	3/15/11	4/13/11	2/18/11	3/15/11	4/13/11	2/18/11	3/15/11	4/13/11	
STELLAR 3GL (PPG-PR 134)	8.3	7.3	7.0	8.3	8.3	8.0	8.7	6.0	2.7	7.7	7.0	6.7	8.0
ASPIRE (IS-PR 489)	7.7	7.7	7.3	8.7	8.3	8.0	9.0	6.7	3.7	7.7	7.7	7.3	7.9
MACH I	8.7	8.0	7.7	8.7	8.3	8.0	8.7	7.0	3.7	7.7	7.3	7.0	7.9
BAR LP 10972	8.0	8.0	7.7	8.3	8.0	8.0	9.0	6.7	3.7	8.3	6.3	7.3	7.8
BONNEVILLE	7.3	7.7	7.3	8.0	8.0	8.0	8.7	7.0	3.3	8.3	7.0	7.0	7.8
BANFIELD (IS-PR 491)	8.3	8.0	7.7	8.7	8.3	8.0	9.0	7.7	4.0	8.0	7.7	7.3	7.8
KARMA (PICK 10401)	8.0	7.0	7.0	8.7	8.0	7.7	9.0	6.3	2.7	8.3	6.0	7.0	7.8
BENCHMARK (PST-2BNS)	7.7	7.3	6.7	8.3	8.3	7.7	9.0	7.0	2.7	7.7	7.3	6.7	7.8
RAD-PR55R	8.3	8.0	8.0	8.7	8.0	7.7	9.0	8.0	3.7	7.7	6.7	6.7	7.8
PEPPER (RAD-PR62)	8.0	7.7	8.0	8.7	8.0	8.0	8.7	7.0	3.3	7.7	7.3	7.0	7.8
SR4660ST (SRX-4MSH)	7.7	7.0	7.0	8.7	7.7	8.0	9.0	6.0	2.7	8.3	7.0	7.0	7.8
ASP 0112 (A-35)	9.0	7.7	7.3	8.7	7.7	7.3	9.0	7.0	3.3	8.0	6.3	6.3	7.7
BAR LP 10969	7.3	7.7	7.7	8.7	8.0	8.0	9.0	6.3	4.0	8.0	6.7	7.0	7.7
PINNACLE III (BAR LP 10970)	7.7	7.3	7.0	8.3	8.0	8.0	9.0	6.7	2.7	7.7	7.0	6.3	7.7
PALMER V	8.0	7.7	7.3	8.7	8.0	7.3	9.0	6.7	3.7	8.3	7.0	5.7	7.7
FASTBALL RGL (PPG-PR 133)	7.7	7.0	7.3	8.7	8.3	8.0	9.0	6.0	3.7	7.7	7.0	6.3	7.7
APPLE SGL (PPG-PR 140)	8.3	7.3	7.0	8.0	8.3	7.7	9.0	6.3	3.0	7.3	6.7	6.3	7.7
PRX-4GM1	8.3	7.7	7.3	8.7	7.7	8.0	9.0	6.7	3.3	8.3	7.3	7.0	7.7
SIENNA	7.7	8.0	7.3	8.0	8.3	8.0	9.0	7.0	3.3	8.0	7.0	7.0	7.7
ALLANTE	7.7	7.7	7.0	8.3	8.0	8.0	9.0	6.7	2.7	8.0	6.3	6.7	7.6
APR 2320	8.0	7.3	7.3	8.3	8.0	7.7	9.0	6.3	3.0	7.3	6.3	6.3	7.6
EXPEDITE (CL 307)	8.0	7.3	6.7	8.3	8.0	7.7	9.0	5.7	2.7	8.3	7.0	6.7	7.6
PROMINENT (CS-20)	9.0	8.0	7.0	9.0	8.0	8.0	9.0	6.0	3.0	8.0	5.7	6.0	7.6
DLF LGD-3026	8.7	8.7	7.3	8.7	8.0	8.0	9.0	6.7	4.0	8.3	6.7	6.0	7.6
FIESTA 4	8.3	8.0	7.7	9.0	7.7	7.7	9.0	7.0	3.7	8.0	7.0	6.7	7.6
SOX FAN (GM3)	8.0	7.7	7.0	8.7	7.7	7.7	9.0	7.3	3.3	8.0	7.0	7.3	7.6
GO-G37	8.7	7.7	7.3	8.7	7.7	8.0	8.7	6.3	3.3	7.7	5.7	6.7	7.6
INSIGHT	7.3	6.7	6.7	8.3	6.3	7.3	9.0	5.7	2.3	8.3	5.3	6.3	7.6
RIPTIDE (IS-PR 409)	7.7	7.3	7.0	8.0	8.0	7.7	9.0	6.3	3.3	7.7	6.7	6.0	7.6
HANCOCK (IS-PR 479)	8.3	8.0	7.7	8.7	7.7	7.7	9.0	7.0	3.7	7.7	6.3	6.3	7.6
STAMINA (IS-PR 487)	7.3	8.0	7.0	8.3	8.3	7.7	9.0	7.0	3.0	8.0	7.3	6.7	7.6
MONSIEUR (IS-PR 488)	8.7	7.7	6.7	9.0	8.0	7.0	9.0	6.0	3.0	8.0	6.0	7.3	7.6
DILIGENT (IS-PR 492)	8.0	7.7	7.7	8.3	8.0	8.0	8.7	6.7	3.7	8.0	6.7	7.7	7.6
SEDUCTIVE (ISG-30)	8.3	8.0	6.7	8.7	8.0	7.3	9.0	6.7	2.7	8.0	6.0	5.7	7.6
LTP-PR 135	7.7	6.0	6.3	8.7	6.7	7.0	9.0	4.3	2.0	9.0	4.7	7.0	7.6
PICK 4DFHM	7.7	7.0	7.3	8.7	7.7	8.0	9.0	5.7	3.0	8.3	7.0	6.7	7.6
PPG-PR 136	8.3	7.3	6.7	8.7	8.0	8.0	9.0	5.0	2.7	8.0	6.7	6.7	7.6
AMAZING A+ (PPG-PR 138)	8.0	6.7	6.3	8.3	8.0	7.3	9.0	4.3	2.3	7.7	6.3	6.3	7.6
PPG-PR 142	7.7	8.0	7.7	8.3	8.0	7.7	9.0	6.0	4.0	8.0	7.0	7.0	7.6
PSRX-4CAGL	8.7	8.0	7.7	8.7	8.0	8.0	9.0	7.3	3.7	7.7	6.7	6.7	7.6
PST-2K9	7.7	7.7	7.0	8.0	8.0	8.0	8.7	6.7	3.3	8.0	6.7	7.0	7.6
RIO VISTA	7.3	7.3	7.0	8.3	8.0	8.0	9.0	6.3	3.0	8.0	6.7	6.3	7.6
UNO	7.7	8.0	7.7	8.0	8.0	7.7	9.0	7.0	3.7	8.0	7.0	6.7	7.6
SUNSTREAKER (APR 2036)	7.7	7.7	7.3	8.3	8.0	7.7	8.7	5.7	3.3	7.7	7.0	7.0	7.5
CS-PR66	8.3	7.3	7.0	8.3	7.7	7.7	9.0	5.7	3.0	7.7	6.3	6.7	7.5
GO-DHS	8.7	7.7	7.0	8.7	7.3	7.7	9.0	6.7	3.3	8.3	5.7	6.0	7.5
THRIVE (IS-PR 469)	8.3	7.3	7.0	8.3	7.7	7.3	9.0	6.7	3.0	7.3	7.0	6.3	7.5

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 TABLE 18. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT GAINESVILLE (OVERSEEDING AT UNIVERSITY OF FLORIDA G. C.), FL 1/
 2011 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	COLOR RATINGS			THE RATINGS FOR OVERSEEDING GRASS IN SPRING/SUMMER TRANSITION PERIOD			QUALITY RATINGS			DENSITY RATINGS			UNIFORMITY RATINGS			QUALITY MEAN
	2/18/11	3/15/11	4/13/11	2/18/11	3/15/11	4/13/11	2/18/11	3/15/11	4/13/11	2/18/11	3/15/11	4/13/11	2/18/11	3/15/11	4/13/11	
EXCELLENCE (ISG-31)	9.0	7.7	7.3	8.3	7.7	7.3	8.7	6.3	3.0	7.3	6.0	6.3	7.5			7.5
JR-178	8.0	7.3	6.7	8.7	8.0	7.7	9.0	6.0	2.7	8.3	6.7	6.0	7.5			7.5
LTP-RAE	7.3	7.7	7.3	8.3	8.3	8.0	9.0	6.3	3.3	8.3	6.7	6.3	7.5			7.5
OCTANE	7.7	6.7	7.3	8.3	7.7	7.7	9.0	5.7	3.3	8.7	6.3	7.0	7.5			7.5
PINNACLE	7.0	6.3	6.3	8.7	8.0	7.7	9.0	5.3	1.7	8.0	7.0	7.0	7.5			7.5
PREMIUM (PPG-PR 137)	7.7	6.7	6.7	8.3	7.3	7.3	8.7	5.0	2.3	8.0	6.7	6.7	7.5			7.5
METOLIUS (PPG-PR 165)	7.0	7.0	6.7	8.3	7.3	7.3	9.0	6.0	2.7	8.3	6.3	6.7	7.5			7.5
SR 4650 (PSRX-3701)	8.0	7.3	7.0	8.7	7.3	7.3	9.0	6.0	2.7	8.3	6.7	7.0	7.5			7.5
SIDEWAYS (PSRX-S84)	7.3	7.7	6.7	8.3	7.7	7.7	9.0	6.0	3.0	7.7	6.7	7.0	7.5			7.5
SALINAS II (PST-204D)	7.3	7.0	7.0	8.3	7.7	7.3	9.0	5.7	3.0	8.0	6.7	6.7	7.5			7.5
PACIFIC GEM (PST-2MG7)	8.3	7.3	6.7	8.7	8.0	7.3	9.0	6.3	2.7	8.3	6.0	6.3	7.5			7.5
PST-2NKM	7.7	7.7	6.7	8.3	8.0	7.7	9.0	7.0	3.0	8.0	7.0	6.3	7.5			7.5
APR 2445	8.3	7.3	7.3	8.7	7.7	7.3	9.0	6.3	3.3	7.3	6.7	6.0	7.4			7.4
BAR LP 7608	7.3	6.3	6.7	8.3	7.3	7.7	9.0	5.0	2.7	8.3	6.0	6.7	7.4			7.4
DLF LGD-3022	7.3	6.7	6.3	8.3	8.0	7.3	9.0	5.3	2.3	8.3	6.3	6.3	7.4			7.4
VINTAGE (ISG-36)	9.0	7.0	6.7	8.7	7.3	7.7	9.0	6.0	3.0	8.0	5.0	6.3	7.4			7.4
JR-192	7.7	7.3	7.0	8.7	8.7	8.0	9.0	6.3	2.7	8.3	7.0	7.3	7.4			7.4
PROVOST (PPG-PR 143)	8.0	8.3	7.0	8.3	8.3	7.0	9.0	6.7	3.0	8.0	7.3	7.0	7.4			7.4
GRAND SLAM GLD (PPG-PR 164)	8.0	7.0	6.7	8.3	8.0	7.3	9.0	5.3	2.7	8.3	5.7	6.3	7.4			7.4
PISTOL (PST-2ACR)	7.7	7.7	7.0	8.0	8.0	8.0	9.0	6.3	3.0	8.0	7.0	7.3	7.4			7.4
PST-2DR9	7.7	7.7	7.0	8.3	8.3	7.7	8.7	6.7	3.0	8.0	7.0	6.0	7.4			7.4
PARKSIDE (PST-2NJK)	7.7	7.0	7.3	8.3	7.3	7.7	9.0	6.0	3.0	8.0	6.0	7.0	7.3			7.3
BRIGHTSTAR SLT	7.0	7.0	6.7	8.3	6.3	7.3	9.0	5.3	2.7	7.7	6.0	6.7	7.3			7.3
VISION (CL 11601)	8.0	7.3	7.0	8.3	8.0	8.0	8.7	6.3	3.0	7.3	7.3	7.3	7.3			7.3
BANDALORE (IS-PR 463)	7.7	6.3	6.7	8.3	7.7	7.3	9.0	5.7	2.3	8.7	6.3	6.0	7.3			7.3
GREEN SUPREME (PPG-PR 121)	7.7	7.3	7.3	8.0	7.7	7.3	8.7	6.3	3.7	8.0	7.0	7.0	7.3			7.3
PPG-PR 128	7.7	6.7	7.0	8.3	6.7	7.7	8.7	5.7	3.3	7.7	6.0	7.0	7.3			7.3
DOMINATOR (PST-2AG4)	7.7	7.3	6.3	8.7	7.0	7.0	9.0	5.7	2.7	7.3	6.0	6.7	7.3			7.3
MANHATTAN 6 GLR (PST-2MAGS)	7.7	7.3	6.7	8.3	7.0	7.3	9.0	6.0	2.3	8.0	6.3	7.3	7.3			7.3
EVOLUTION (S85)	7.7	7.7	7.7	8.7	8.3	7.3	9.0	6.7	3.3	7.7	7.3	7.0	7.3			7.3
PANGEA GLR (CL 11701)	7.3	7.0	7.0	8.3	7.3	7.0	9.0	6.0	2.7	7.7	6.3	6.0	7.2			7.2
PILLAR (CST)	7.3	7.3	7.0	8.0	8.0	7.3	9.0	6.0	2.7	7.7	6.7	5.7	7.2			7.2
DLF LGT 4182	8.0	6.3	6.7	8.3	7.3	7.7	8.7	5.0	3.0	7.0	5.3	6.3	7.2			7.2
GO-PR60	8.3	7.0	6.7	8.7	6.7	7.3	9.0	6.0	3.0	8.3	5.7	6.3	7.2			7.2
PIZZAZZ 2 GLR (PR 909)	8.0	8.0	7.7	8.3	7.3	7.0	9.0	7.3	3.0	7.7	7.3	7.0	7.2			7.2
RINOVO	7.3	8.3	7.7	8.0	7.3	7.7	8.3	7.7	4.0	7.3	8.0	7.0	7.2			7.2
PLAYOFF 2 (P02)	8.0	8.3	7.3	8.0	7.7	7.3	9.0	7.3	3.3	7.0	8.0	6.3	7.1			7.1
RAINWATER (PST-2TQL)	8.3	6.3	6.3	8.3	6.7	7.0	9.0	5.3	1.7	7.7	6.0	6.7	7.1			7.1
HAVEN (APR 2038)	7.0	7.3	6.7	8.3	7.3	7.3	9.0	4.7	2.7	8.0	6.0	6.3	7.0			7.0
WICKED (SRX-4RHD)	7.7	8.0	7.0	8.3	7.7	7.0	9.0	6.3	3.3	7.7	6.7	6.3	7.0			7.0
LINN	5.0	5.3	6.0	6.7	8.0	7.0	7.7	7.0	3.0	8.3	7.7	8.0	6.9			6.9
LSD VALUE	0.9	2.4	2.0	2.4	4.5	2.9	0.5	4.4	1.8	2.2	4.3	3.0	2.2			2.2
C.V. (%)	7.0	11.4	9.2	6.5	11.6	8.0	2.8	19.0	23.0	7.7	16.2	11.7	5.6			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.
- 3/ THE OVERSEEDING RATE OF ALL ENTRIES WAS 400 LBS./ACRE.

TABLE 19.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT RIVERSIDE (TRAFFIC STUDY), CA 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT COVER IN SEPTEMBER			PERCENT COVER IN OCTOBER			PERCENT COVER IN NOVEMBER			QUALITY RATINGS					MEAN
	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	AUG	SEP	OCT	NOV	DEC	
KARMA (PICK 10401)	15.0	20.0	65.0	5.0	65.0	30.0	5	53.3	41.7	7.0	4.3	3.0	3.0	3.0	4.1
ASP 0112 (A-35)	20.0	20.0	60.0	5.0	78.3	16.7	5	65.0	30.0	8.0	4.3	2.0	2.7	3.0	4.0
GO-G37	20.0	23.3	56.7	5.0	70.0	25.0	5	53.3	41.7	7.7	3.7	2.7	3.0	3.0	4.0
BANDALORE (IS-PR 463)	21.7	20.0	58.3	5.0	70.0	25.0	5	66.7	28.3	7.0	3.7	2.7	3.0	3.7	4.0
BANFIELD (IS-PR 491)	18.3	16.7	65.0	5.0	71.7	23.3	5	53.3	41.7	7.0	4.0	2.3	3.3	3.3	4.0
VINTAGE (ISG-36)	20.0	28.3	51.7	5.0	71.7	23.3	5	56.7	38.3	8.0	3.7	2.7	3.0	2.7	4.0
JR-192	20.0	20.0	60.0	5.0	66.7	28.3	5	55.0	40.0	7.0	4.3	2.7	3.0	3.0	4.0
SALINAS II (PST-204D)	18.3	20.0	61.7	5.0	68.3	26.7	5	50.0	45.0	6.7	4.3	2.7	3.0	3.3	4.0
PACIFIC GEM (PST-2MG7)	21.7	18.3	60.0	5.0	73.3	21.7	4	60.0	36.0	6.7	4.0	2.3	3.7	3.3	4.0
EVOLUTION (S85)	18.3	28.3	53.3	5.7	65.0	29.3	5	56.7	38.3	7.3	3.7	3.0	3.0	3.0	4.0
PARKSIDE (PST-2NJK)	23.3	15.0	61.7	5.0	70.0	25.0	5	53.3	41.7	6.7	4.0	2.7	3.0	3.0	3.9
PANGEA GLR (CL 11701)	20.0	25.0	55.0	5.0	71.7	23.3	5	60.0	35.0	7.0	3.7	2.7	3.0	3.0	3.9
CS-PR66	20.0	23.3	56.7	5.0	75.0	20.0	5	60.0	35.0	7.7	3.7	2.3	3.0	3.0	3.9
GO-PR60	21.7	20.0	58.3	5.0	71.7	23.3	5	63.3	31.7	7.0	4.0	2.7	2.7	3.0	3.9
BENCHMARK (PST-2BNS)	21.7	20.0	58.3	5.0	71.7	23.3	5	56.7	38.3	7.0	4.0	2.3	3.0	3.3	3.9
SR4660ST (SRX-4MSH)	18.3	18.3	63.3	5.0	71.7	23.3	5	56.7	38.3	6.7	4.3	2.3	2.7	3.3	3.9
PST-2NKM	21.7	25.0	53.3	5.0	70.0	25.0	5	56.7	38.3	7.0	3.7	2.3	3.0	3.0	3.8
RINOVO	23.3	30.0	46.7	5.0	71.7	23.3	5	66.7	28.3	7.3	3.3	2.7	2.7	3.0	3.8
BAR PINNACLE III (BAR LP 10970)	21.7	26.7	51.7	5.0	75.0	20.0	5	61.7	33.3	7.0	3.7	2.3	2.7	3.0	3.7
BAR LP 10972	18.3	23.3	58.3	5.0	70.0	25.0	5	63.3	31.7	6.7	3.3	2.7	2.7	3.0	3.7
BONNEVILLE	23.3	20.0	56.7	5.0	70.0	25.0	5	63.3	31.7	6.3	3.7	2.7	2.7	3.0	3.7
BRIGHTSTAR SLT	21.7	28.3	50.0	5.0	76.7	18.3	5	60.0	35.0	7.3	3.7	2.0	2.7	3.0	3.7
DLF LGD-3022	23.3	31.7	45.0	5.0	75.0	20.0	5	56.7	38.3	7.0	3.7	2.0	3.0	3.0	3.7
FIESTA 4	16.7	26.7	56.7	5.0	71.7	23.3	5	60.0	35.0	7.0	3.7	2.3	2.7	3.0	3.7
SOX FAN (GM3)	18.3	25.0	56.7	5.0	73.3	21.7	5	63.3	31.7	6.3	3.7	2.7	2.7	3.0	3.7
THRIVE (IS-PR 469)	23.3	21.7	55.0	5.0	71.7	23.3	5	63.3	31.7	7.0	3.7	2.3	2.7	3.0	3.7
HANCOCK (IS-PR 479)	23.3	18.3	58.3	5.0	52.7	42.3	5	66.7	28.3	7.0	3.7	2.3	2.7	3.0	3.7
EXCELLENCE (ISG-31)	18.3	40.0	41.7	5.0	76.7	18.3	5	66.7	28.3	7.3	3.7	2.3	2.7	2.7	3.7
MACH I	23.3	20.0	56.7	5.0	75.0	20.0	5	68.3	26.7	6.7	4.0	2.3	2.3	3.0	3.7
APPLE SGL (PPG-PR 140)	21.7	30.0	48.3	5.0	70.0	25.0	5	60.0	35.0	7.0	3.3	2.7	2.7	2.7	3.7
SR 4650 (PSRX-3701)	18.3	31.7	50.0	5.0	75.0	20.0	5	66.7	28.3	7.0	3.7	3.0	2.3	2.7	3.7
PSRX-4CAGL	20.0	20.0	60.0	5.0	71.7	23.3	5	60.0	35.0	6.3	4.0	2.7	2.7	3.0	3.7
PST-2K9	21.7	25.0	53.3	5.0	76.7	18.3	5	66.7	28.3	7.0	3.7	2.3	2.7	2.7	3.7
APR 2445	20.0	30.0	50.0	5.0	76.7	18.3	5	66.7	28.3	7.3	3.7	2.0	2.3	2.7	3.6
EXPEDITE (CL 307)	23.3	33.3	43.3	5.0	75.0	20.0	5	63.3	31.7	6.7	3.3	2.3	2.7	3.0	3.6
STAMINA (IS-PR 487)	23.3	23.3	53.3	5.0	76.7	18.3	5	66.7	28.3	7.0	3.7	2.3	2.7	2.3	3.6
MONSIEUR (IS-PR 488)	30.0	20.0	50.0	5.0	75.0	20.0	5	63.3	31.7	6.3	3.7	2.3	2.7	3.0	3.6
JR-178	18.3	33.3	48.3	5.0	76.7	18.3	5	70.0	25.0	7.3	3.7	2.3	2.3	2.3	3.6
OCTANE	25.0	21.7	53.3	5.0	73.3	21.7	5	60.0	35.0	6.3	3.7	2.3	2.7	3.0	3.6
PPG-PR 142	23.3	30.0	46.7	5.0	75.0	20.0	5	63.3	31.7	6.7	3.7	2.3	2.7	2.7	3.6
DOMINATOR (PST-2AG4)	21.7	31.7	46.7	5.0	75.0	20.0	5	58.3	36.7	7.3	3.3	2.3	2.3	2.7	3.6
PROMINENT (CS-20)	20.0	40.0	40.0	5.0	76.7	18.3	5	73.3	21.7	7.7	3.0	2.3	2.3	2.3	3.5
PILLAR (CST)	26.7	28.3	45.0	5.0	75.0	20.0	5	70.0	25.0	7.0	3.3	2.3	2.3	2.3	3.5
GO-DHS	23.3	26.7	50.0	5.7	76.7	17.7	5	66.7	28.3	6.7	3.7	2.0	2.3	3.0	3.5
DILIGENT (IS-PR 492)	23.3	25.0	51.7	5.0	76.7	18.3	5	70.0	25.0	6.3	3.7	2.3	2.3	2.7	3.5
SEDUCTIVE (ISG-30)	26.7	30.0	43.3	5.0	76.7	18.3	5	73.3	21.7	7.7	3.3	2.0	2.0	2.7	3.5
PALMER V	30.0	25.0	45.0	5.0	73.3	21.7	5	63.3	31.7	6.3	3.3	2.3	2.7	2.7	3.5

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 19. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT RIVERSIDE (TRAFFIC STUDY), CA 1/
 2011 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT COVER IN SEPTEMBER			PERCENT COVER IN OCTOBER			PERCENT COVER IN NOVEMBER			AUG	SEP	QUALITY RATINGS				MEAN
	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN			OCT	NOV	DEC		
AMAZING A+ (PPG-PR 138)	23.3	38.3	38.3	5.0	75.0	20.0	5.0	46.0	49.0	7.0	3.0	2.3	2.3	2.7	3.5	
PROVOST (PPG-PR 143)	28.3	36.7	35.0	5.0	78.3	16.7	5.0	63.3	31.7	7.0	3.0	2.0	2.7	3.0	3.5	
PRX-4GM1	16.7	28.3	55.0	5.0	78.3	16.7	5.0	70.0	25.0	6.7	3.7	2.0	2.3	3.0	3.5	
SIDEWAYS (PSRX-S84)	23.3	28.3	48.3	5.0	75.0	20.0	5.0	63.3	31.7	6.3	3.7	2.7	2.3	2.7	3.5	
PST-2DR9	21.7	28.3	50.0	5.0	76.7	18.3	5.0	66.7	28.3	6.3	3.3	2.3	2.7	2.7	3.5	
MANHATTAN 6 GLR (PST-2MAGS)	26.7	31.7	41.7	5.0	78.3	16.7	5.0	70.0	25.0	6.7	3.3	2.3	2.3	2.7	3.5	
RAINWATER (PST-2TQL)	21.7	30.0	48.3	5.0	78.3	16.7	5.0	70.0	25.0	6.7	3.3	2.3	2.3	3.0	3.5	
PEPPER (RAD-PR62)	23.3	31.7	45.0	5.0	81.7	13.3	5.0	78.3	16.7	7.0	3.7	2.0	2.0	2.7	3.5	
WICKED (SRX-4RHD)	21.7	30.0	48.3	5.0	78.3	16.7	3.3	71.7	25.0	7.0	3.3	2.3	2.3	2.7	3.5	
UNO	23.3	33.3	43.3	5.0	76.7	18.3	5.0	68.3	26.7	7.0	3.0	2.3	2.7	2.7	3.5	
LTP-RAE	23.3	36.7	40.0	5.0	75.0	20.0	5.0	75.0	20.0	7.0	3.0	2.3	2.3	2.3	3.4	
PLAYOFF 2 (P02)	23.3	33.3	43.3	5.0	80.0	15.0	5.0	66.7	28.3	7.0	3.3	2.0	2.3	2.3	3.4	
PICK 4DFHM	25.0	20.0	55.0	5.0	75.0	20.0	5.0	63.3	31.7	6.3	3.7	2.0	2.0	3.0	3.4	
FASTBALL RGL (PPG-PR 133)	25.0	35.0	40.0	5.0	80.0	15.0	5.0	75.0	20.0	6.7	3.3	2.3	2.3	2.3	3.4	
PPG-PR 136	21.7	36.7	41.7	5.0	78.3	16.7	5.0	75.0	20.0	6.7	3.3	2.3	2.3	2.3	3.4	
PISTOL (PST-2ACR)	25.0	33.3	41.7	5.7	76.7	17.7	5.3	71.7	23.0	6.7	3.0	2.3	2.3	2.7	3.4	
RAD-PR55R	21.7	35.0	43.3	5.0	81.7	13.3	5.0	78.3	16.7	7.3	3.0	2.0	2.3	2.3	3.4	
ALLANTE	23.3	41.7	35.0	5.0	76.7	18.3	5.0	68.3	26.7	6.0	3.0	2.3	2.7	2.3	3.3	
SUNSTREAKER (APR 2036)	26.7	31.7	41.7	5.0	80.0	15.0	5.0	76.7	18.3	7.0	3.3	2.0	2.0	2.3	3.3	
APR 2320	25.0	28.3	46.7	5.0	76.7	18.3	5.0	75.0	20.0	6.0	3.7	2.0	2.0	2.7	3.3	
BAR LP 10969	21.7	38.3	40.0	5.0	81.7	13.3	5.0	76.7	18.3	7.0	3.0	2.0	2.0	2.3	3.3	
BAR LP 7608	21.7	31.7	46.7	5.0	80.0	15.0	5.0	60.0	35.0	6.3	3.3	2.0	2.3	2.7	3.3	
INSIGHT	25.0	35.0	40.0	5.0	76.7	18.3	5.0	76.7	18.3	6.7	3.0	2.3	2.0	2.3	3.3	
ASPIRE (IS-PR 489)	30.0	21.7	48.3	5.0	76.7	18.3	5.0	66.7	28.3	6.0	3.3	2.0	2.3	3.0	3.3	
GREEN SUPREME(PPG-PR 121)	26.7	40.0	33.3	5.0	83.3	11.7	5.0	78.3	16.7	7.0	3.0	2.0	2.0	2.3	3.3	
PPG-PR 128	25.0	31.7	43.3	5.0	80.0	15.0	5.0	70.0	25.0	6.3	3.3	2.0	2.3	2.7	3.3	
STELLAR 3GL (PPG-PR 134)	23.3	36.7	40.0	5.0	80.0	15.0	5.0	76.7	18.3	7.0	3.0	2.3	2.0	2.3	3.3	
PREMIUM (PPG-PR 137)	26.7	36.7	36.7	5.0	73.3	21.7	5.0	53.7	41.3	6.3	3.0	2.3	2.3	2.7	3.3	
GRAND SLAM GLD (PPG-PR 164)	21.7	41.7	36.7	5.0	78.3	16.7	5.0	75.0	20.0	6.7	3.0	2.3	2.0	2.7	3.3	
RIO VISTA	25.0	36.7	38.3	5.0	83.3	11.7	5.0	65.0	30.0	7.0	3.0	2.0	2.0	2.3	3.3	
HAVEN (APR 2038)	28.3	35.0	36.7	5.0	80.0	15.0	5.0	76.7	18.3	6.0	3.0	2.3	2.0	2.7	3.2	
DLF LGT 4182	38.3	25.0	36.7	5.0	83.3	11.7	5.0	81.7	13.3	6.7	2.7	2.0	2.0	2.7	3.2	
RIPTIDE (IS-PR 409)	25.0	36.7	38.3	5.0	80.0	15.0	5.0	78.3	16.7	6.7	3.0	2.0	2.0	2.3	3.2	
LTP-PR 135	21.7	46.7	31.7	5.0	85.0	10.0	5.0	78.3	16.7	6.7	2.7	2.0	2.0	2.0	3.1	
METOLIUS (PPG-PR 165)	20.0	38.3	41.7	5.0	81.7	13.3	5.0	80.0	15.0	6.3	3.0	2.0	2.0	2.3	3.1	
PIZZAZZ 2 GLR (PR 909)	18.3	53.3	28.3	5.0	86.7	8.3	5.0	81.7	13.3	7.0	2.3	2.0	2.0	2.0	3.1	
SIENNA	25.0	45.0	30.0	5.0	85.0	10.0	5.0	80.0	15.0	6.7	2.7	2.0	2.0	2.3	3.1	
VISION (CL 11601)	20.0	50.0	30.0	5.0	81.7	13.3	5.0	75.0	20.0	6.3	2.7	2.0	2.0	2.0	3.0	
DLF LGD-3026	25.0	43.3	31.7	5.0	83.3	11.7	5.0	81.7	13.3	6.3	2.7	2.0	1.7	2.0	2.9	
PINNACLE	23.3	36.7	40.0	5.0	84.3	10.7	5.0	76.7	18.3	5.7	3.0	1.7	1.7	1.7	2.7	
LINN	26.7	55.0	18.3	4.3	92.0	3.7	4.3	87.7	8.0	5.0	2.0	1.3	1.3	1.3	2.2	
LSD VALUE	13.6	19.8	21.1	1.0	31.4	32.2	1.6	47.3	47.2	0.8	1.5	1.6	1.8	1.2	0.7	
C.V. (%)	22.2	33.3	23.1	4.8	11.6	46.4	7.7	20.4	48.5	7.0	18.2	20.5	24.8	19.4	10.6	

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.

3/ TRAFFIC IS APPLIED USING A BRINKMANN TRAFFIC SIMULATOR TO APPROXIMATE 60 FOOTBALL GAMES OVER A TEN WEEK PERIOD IN FALL.

TABLE 19. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT RIVERSIDE (TRAFFIC STUDY), CA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT MARCH	LIVING GROUND MAY	COVER JULY	PERCENT CRABGRASS	JAN	FEB	MAR	APR	MAY	QUALITY RATINGS				SEP	OCT	NOV	DEC	MEAN
BANDALORE (IS-PR 463)	63.3	80.0	86.7	8.3	4.3	3.3	3.3	3.7	5.0	5.0	6.0	5.7	6.0	4.0	4.0	4.0	3.7	4.5
PICK 10401	63.3	80.0	93.3	7.3	3.7	3.0	3.3	3.3	5.0	4.7	6.7	6.0	6.0	4.0	4.0	4.0	4.0	4.5
BONNEVILLE	63.3	83.3	92.7	13.3	4.0	3.3	3.3	4.0	4.3	5.0	6.3	6.0	6.0	4.0	4.0	4.0	3.0	4.4
DLF LGD-3022	56.7	76.7	86.7	13.3	4.0	3.7	3.0	3.0	4.3	4.3	5.7	6.0	5.7	4.0	4.0	4.0	4.0	4.3
BANFIELD (IS-PR 491)	63.3	73.3	85.0	11.7	4.3	3.3	3.3	3.3	4.3	4.7	5.7	6.0	5.0	3.7	3.7	3.7	3.7	4.3
PSRX-4CAGL	60.0	80.0	91.7	11.7	3.7	3.0	3.3	3.3	4.7	4.7	6.3	6.0	5.7	3.7	3.7	3.7	3.7	4.3
S85	60.0	76.7	86.7	4.7	4.0	3.3	3.3	3.7	4.3	4.3	5.7	5.7	5.3	3.7	3.7	3.7	4.3	4.3
FIESTA 4	56.7	76.7	86.0	8.3	3.7	3.3	3.3	3.7	4.0	4.3	5.7	5.3	4.7	4.3	4.3	3.7	4.2	4.2
OCTANE	63.3	80.0	86.7	8.3	4.3	3.3	3.7	3.3	3.7	4.7	5.7	5.7	5.7	3.3	3.3	3.3	3.3	4.2
SALINAS II (PST-204D)	66.7	73.3	83.3	11.7	4.7	3.7	3.7	3.0	3.7	4.0	5.3	5.7	6.0	3.3	3.3	3.7	4.2	4.2
BENCHMARK (PST-2BNS)	63.3	76.7	93.3	5.7	4.0	3.0	3.3	3.3	4.0	4.3	6.7	6.0	5.3	3.7	3.7	3.3	4.2	4.2
PACIFIC GEM (PST-2MG7)	60.0	70.0	85.0	8.0	4.0	3.0	3.3	3.0	3.7	4.0	5.7	5.7	6.0	4.3	4.3	3.7	4.2	4.2
PARKSIDE (PST-2NJK)	63.3	76.7	86.7	6.7	4.3	3.3	3.3	3.3	4.0	4.0	5.7	5.7	6.0	3.3	3.3	3.3	4.1	4.1
GO-G37	60.0	66.7	83.3	15.0	4.3	3.3	3.3	3.0	3.3	4.3	5.3	5.7	5.7	3.7	3.7	3.3	4.1	4.1
THRIVE (IS-PR 469)	56.7	70.0	83.3	11.7	4.0	3.3	3.0	3.7	4.0	4.7	5.3	5.3	6.0	3.3	3.3	3.3	4.1	4.1
ASPAIRE (IS-PR 489)	53.3	70.0	86.7	10.7	4.0	2.7	3.0	2.7	3.7	4.0	5.7	5.7	6.0	4.0	4.0	3.3	4.1	4.1
JR-192	60.0	73.3	83.3	10.7	4.0	3.3	3.3	3.7	3.3	4.0	5.3	5.7	5.7	3.7	3.7	3.3	4.1	4.1
PSRX-3701	46.7	76.7	85.0	10.7	3.3	2.7	2.7	3.0	4.3	4.3	5.7	5.7	5.7	4.0	4.0	3.7	4.1	4.1
SR4660ST (SRX-4MSH)	60.0	70.0	85.0	2.3	3.7	3.0	3.3	3.3	4.0	3.7	5.7	6.0	6.0	3.3	3.3	3.7	4.1	4.1
UNO	53.3	70.0	85.0	11.7	3.3	3.0	3.3	3.3	3.7	4.0	5.3	5.7	5.3	4.0	4.0	3.7	4.1	4.1
BRIGHTSTAR SLT	53.3	73.3	83.3	5.7	3.7	3.3	3.0	3.3	3.7	3.7	5.3	5.3	5.7	3.7	3.7	3.7	4.0	4.0
EXPEDITE (CL 307)	60.0	80.0	83.3	7.3	4.0	3.3	3.3	3.3	4.0	3.7	5.3	5.3	5.3	3.7	3.7	3.3	4.0	4.0
GM3	53.3	73.3	85.0	11.7	4.0	3.3	3.0	3.0	3.7	4.7	5.7	5.3	5.7	3.3	3.3	3.0	4.0	4.0
HANCOCK (IS-PR 479)	53.3	73.3	90.0	10.7	3.7	3.0	3.0	3.0	3.7	4.0	6.0	6.0	5.7	3.7	3.7	3.0	4.0	4.0
JR-178	50.0	73.3	80.0	9.0	3.7	3.0	2.7	3.3	4.0	4.3	5.0	5.3	5.3	4.0	4.0	3.7	4.0	4.0
PALMER V	56.7	73.3	80.0	9.0	3.7	3.3	3.0	3.3	3.7	4.3	5.0	5.7	5.3	3.7	3.7	3.7	4.0	4.0
PSRX-S84	53.3	73.3	78.3	8.3	3.7	3.3	3.0	3.0	4.3	4.3	5.0	5.0	5.7	3.7	3.7	3.3	4.0	4.0
PST-2NKM	53.3	70.0	83.3	5.7	3.7	3.3	3.0	3.3	3.7	3.3	5.3	5.3	5.3	4.0	4.0	3.3	4.0	4.0
RAINWATER (PST-2TQL)	56.7	73.3	86.7	15.0	3.7	3.0	3.0	3.0	3.7	3.3	5.7	5.7	5.7	3.7	3.7	3.7	4.0	4.0
RINOVO	50.0	70.0	85.0	20.0	3.7	3.3	3.0	3.0	4.0	4.3	5.7	5.0	5.7	3.3	3.3	3.7	4.0	4.0
PINNACLE III (BAR LP 10970)	56.7	76.7	85.0	9.0	3.7	3.3	3.0	3.3	3.7	4.0	5.7	5.3	5.3	3.3	3.3	3.3	3.9	3.9
BAR LP 10972	53.3	71.7	83.3	8.3	3.3	3.0	3.0	3.0	3.7	4.0	5.3	5.7	5.7	3.3	3.3	3.7	3.9	3.9
CL 11701	63.3	80.0	85.0	10.0	4.0	3.7	3.3	3.7	4.3	4.7	5.3	5.0	4.7	2.7	2.7	2.7	3.9	3.9
MONSIEUR (IS-PR 488)	53.3	70.0	81.7	13.3	3.7	3.0	3.0	3.0	3.3	4.0	5.0	5.7	5.7	3.7	3.7	3.3	3.9	3.9
VINTAGE (ISG-36)	60.0	73.3	83.3	7.3	3.7	3.3	3.3	3.3	3.7	4.0	5.3	5.7	4.7	3.3	3.3	3.0	3.9	3.9
LTP-RAE	40.0	73.3	81.7	8.3	3.3	3.0	2.3	3.0	4.3	4.0	5.3	5.0	5.3	4.0	4.0	3.7	3.9	3.9
MACH I	56.7	70.0	81.7	13.3	4.0	3.0	3.0	3.0	3.3	4.0	5.3	5.7	6.0	3.3	3.3	3.0	3.9	3.9
PICK 4DFHM	53.3	70.0	86.7	6.7	3.7	2.7	3.0	3.0	3.3	4.0	5.7	5.7	6.0	3.0	3.0	3.3	3.9	3.9
PPG-PR 142	50.0	70.0	76.7	6.7	3.3	3.3	2.7	3.3	4.0	3.7	4.7	5.7	5.3	3.3	3.3	3.7	3.9	3.9
PROVOST (PPG-PR 143)	53.3	70.0	81.7	7.3	3.7	3.3	3.0	3.3	3.3	4.0	5.3	5.3	5.7	3.3	3.3	3.0	3.9	3.9
PRX-4GM1	53.3	73.3	86.7	10.0	3.7	2.7	3.0	2.7	3.7	4.0	5.7	5.3	6.0	3.7	3.7	3.0	3.9	3.9
CS-PR66	46.7	73.3	80.0	13.3	3.7	3.3	2.7	2.7	3.7	3.3	5.0	5.7	5.7	3.7	3.7	3.0	3.8	3.8
PILLAR (CST)	46.7	66.7	76.7	6.3	3.3	3.0	2.3	3.3	3.3	4.0	4.7	5.3	5.3	3.7	3.7	3.0	3.8	3.8
GO-PR60	53.3	73.3	76.7	6.7	4.0	3.3	3.0	3.0	3.3	4.0	4.7	5.3	5.7	3.3	3.3	3.0	3.8	3.8
STAMINA (IS-PR 487)	46.7	73.3	80.0	7.3	3.7	3.0	2.7	3.0	3.7	3.7	5.0	5.0	5.7	3.3	3.3	3.3	3.8	3.8
DILIGENT (IS-PR 492)	46.7	66.7	80.0	7.3	3.7	2.7	2.7	3.0	3.7	3.7	5.0	5.7	5.3	3.7	3.7	3.0	3.8	3.8
PREMIUM (PPG-PR 13 7)	50.0	70.0	83.3	9.0	3.7	3.0	2.7	3.0	3.7	3.3	5.3	5.0	5.3	3.7	3.7	3.3	3.8	3.8

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 19. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT RIVERSIDE (TRAFFIC STUDY), CA 1/
 2012 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT MARCH	LIVING GROUND MAY	COVER JULY	PERCENT CRABGRASS	JAN	FEB	MAR	APR	MAY	QUALITY RATINGS							MEAN
										JUN	JUL	AUG	SEP	OCT	NOV	DEC	
AMAZING A+ (PPG-PR 138)	50.0	73.3	80.0	7.3	3.7	3.3	2.7	3.3	3.3	3.7	5.0	5.3	5.0	3.3	3.3	3.3	3.8
GRAND SLAM GLD (PPG-PR 164)	50.0	66.7	78.3	8.3	3.7	3.0	2.7	3.0	3.3	3.7	5.0	5.3	5.3	3.3	3.3	3.3	3.8
PISTOL (PST-2ACR)	53.3	73.3	83.3	7.0	3.3	3.0	2.7	3.3	3.7	4.0	5.3	5.7	5.0	3.3	3.3	2.7	3.8
PST-2AG4	56.7	73.3	81.7	7.3	3.3	3.0	3.0	3.0	3.3	3.7	5.3	5.3	5.0	3.3	3.3	3.3	3.8
PST-2DR9	50.0	73.3	76.7	8.3	3.7	3.3	2.7	3.3	3.3	4.0	4.7	5.3	5.3	3.3	3.3	3.3	3.8
PST-2MAGS	50.0	70.0	83.3	15.0	3.3	3.0	2.7	3.0	3.7	4.0	5.3	5.3	5.3	3.3	3.3	3.0	3.8
APR 2445	46.7	70.0	80.0	10.7	3.3	3.0	2.7	3.0	3.7	4.0	5.0	5.0	4.7	3.3	3.3	3.0	3.7
GO-DHS	50.0	68.3	83.3	10.0	3.3	3.0	2.7	2.7	3.0	3.7	5.3	5.7	5.3	3.3	3.3	2.7	3.7
INSIGHT	43.3	60.0	76.7	10.7	3.3	2.7	2.3	3.0	3.0	3.3	4.7	4.7	5.3	4.0	4.0	3.7	3.7
STELLAR 3GL (PPG-PR 134)	50.0	70.0	80.0	5.7	3.3	3.3	2.7	3.0	3.7	3.7	5.0	5.3	5.3	3.0	3.0	3.3	3.7
PPG-PR 136	43.3	70.0	76.7	11.7	3.3	2.7	2.3	3.0	4.0	3.7	4.7	5.0	5.3	3.7	3.7	3.3	3.7
APPLE SGL (PPG-PR 140)	56.7	73.3	85.0	5.7	3.3	3.3	3.0	3.3	3.7	4.3	5.7	4.7	3.7	3.0	3.0	3.0	3.7
PST-2K9	53.3	70.0	83.3	9.0	3.7	3.0	2.7	3.3	3.3	4.0	5.3	5.7	4.7	2.7	2.7	3.0	3.7
RAD-PR55R	53.3	70.0	76.7	9.0	3.3	3.3	2.7	3.0	3.3	4.0	4.7	5.0	5.0	3.3	3.3	3.0	3.7
ASP 0112 (A-35)	50.0	63.3	78.3	7.3	3.3	3.3	3.0	3.0	3.0	3.3	4.7	5.0	5.3	3.0	3.0	3.0	3.6
APR 2038	46.7	66.7	73.3	11.7	3.3	2.7	2.7	3.0	3.0	3.7	4.3	5.7	5.3	3.3	3.3	3.3	3.6
APR 2320	40.0	70.0	76.7	11.7	3.3	2.7	2.0	3.0	3.7	3.7	4.7	5.0	5.3	3.3	3.3	3.0	3.6
BAR LP 10969	46.7	66.7	76.7	8.3	3.3	3.0	2.3	3.0	3.3	3.3	4.7	5.3	5.0	3.3	3.3	3.0	3.6
RIPTIDE (IS-PR 409)	50.0	66.7	76.7	13.3	3.3	3.0	2.7	3.0	3.0	3.3	4.7	5.3	5.7	3.0	3.0	3.0	3.6
SEDUCTIVE (ISG-30)	46.7	66.7	76.7	18.3	3.7	2.7	2.7	3.0	3.3	3.3	4.7	5.3	4.7	3.3	3.3	2.7	3.6
PPG-PR 128	46.7	66.7	80.0	10.0	3.7	3.0	2.7	3.0	3.3	3.3	5.0	5.3	4.7	3.0	3.0	3.0	3.6
FASTBALL RGL (PPG-PR 133)	43.3	66.7	73.3	7.3	3.3	3.0	2.3	3.0	3.7	3.7	4.3	5.3	5.3	3.3	3.3	3.0	3.6
METOLIUS (PPG-PR 165)	46.7	63.3	71.7	10.0	3.3	2.7	2.7	3.0	3.0	3.3	4.0	5.3	5.7	3.3	3.3	3.0	3.6
PEPPER (RAD-PR62)	53.3	70.0	78.3	11.7	3.3	3.0	3.0	3.0	2.7	3.3	4.7	5.0	5.7	3.3	3.3	3.0	3.6
RIO VISTA	43.3	70.0	76.7	8.3	3.3	3.0	2.3	3.0	3.0	3.7	4.7	5.3	5.3	3.3	3.3	3.0	3.6
BAR LP 7608	46.7	66.7	80.0	8.3	3.3	3.0	2.7	2.7	3.3	3.0	4.7	4.7	5.3	3.3	3.3	2.7	3.5
PROMINENT (CS-20)	46.7	63.3	73.3	16.7	3.3	3.3	2.7	3.0	3.3	3.3	4.3	5.0	5.0	3.0	3.0	2.7	3.5
P02	46.7	70.0	80.0	11.7	3.3	2.7	2.3	3.0	3.0	3.0	5.0	5.3	5.0	3.3	3.3	2.7	3.5
SRX-4RHD	46.7	66.7	80.0	13.3	3.3	2.7	2.3	3.0	3.3	3.7	5.0	5.0	5.0	3.0	3.0	3.0	3.5
SUNSTREAKER (APR 2036)	40.0	66.7	76.7	13.3	3.0	2.7	2.0	2.7	3.3	3.3	4.3	5.0	5.3	3.0	3.0	3.0	3.4
EXCELLENCE (ISG-31)	40.0	66.7	76.7	18.3	3.3	3.0	2.3	3.0	3.7	3.7	4.7	4.7	4.3	3.0	3.0	2.3	3.4
LTP-PR 135	40.0	63.3	73.3	10.0	3.0	2.7	2.3	3.0	3.0	3.0	4.3	5.3	5.0	3.3	3.3	3.0	3.4
SIENNA	36.7	63.3	73.3	7.3	3.3	2.7	2.0	3.0	3.3	3.0	4.3	5.0	4.7	3.0	3.0	3.3	3.4
ALLANTE	40.0	66.7	73.3	8.3	3.3	2.7	2.3	2.3	3.0	3.3	4.3	4.7	4.7	3.3	3.3	2.7	3.3
VISION (CL 11601)	36.7	66.7	73.3	9.0	3.0	2.7	2.0	3.0	3.0	3.0	4.3	4.7	4.7	3.0	3.0	3.0	3.3
GREEN SUPREME(PPG-PR 121)	40.0	66.7	70.0	9.0	3.0	3.0	2.0	3.0	3.0	3.0	4.0	5.0	4.3	3.3	3.3	2.7	3.3
PR 909	36.7	60.0	66.7	14.0	3.0	3.0	2.0	2.7	3.0	3.0	3.7	4.3	5.3	3.0	3.0	3.0	3.3
DLF LGD-3026	36.7	63.3	70.0	15.0	3.0	2.3	2.0	3.0	3.0	3.0	4.0	4.3	4.7	3.0	3.0	2.7	3.2
DLF LGT 4182	40.0	60.0	66.7	15.0	3.0	2.3	2.0	2.3	3.0	3.0	3.7	4.7	4.7	3.0	3.0	2.3	3.1
PINNACLE	36.7	60.0	73.3	16.7	3.0	2.3	2.0	2.3	3.0	3.3	4.0	4.7	4.7	3.0	3.0	2.3	3.1
LINN	30.0	46.7	63.3	11.7	3.0	2.0	2.0	2.0	2.3	3.0	3.3	3.3	3.3	2.3	2.3	2.0	2.6
LSD VALUE	24.1	20.2	15.7	15.4	2.3	2.5	1.3	2.4	1.5	2.3	1.6	1.0	1.6	2.0	2.0	2.4	0.9
C.V. (%)	20.7	11.2	9.2	50.3	17.0	18.7	21.0	17.9	18.3	20.2	15.5	9.7	12.9	17.1	17.1	21.0	11.1

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.

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 19. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT RIVERSIDE (TRAFFIC STUDY), CA 1/
 2012 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER IN AUGUST			PERCENT COVER IN SEPTEMBER			PERCENT COVER IN OCTOBER			PERCENT COVER IN NOVEMBER		
	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN
BANDALORE (IS-PR 463)	3.0	7.7	89.3	3.0	3.7	93.3	8.3	18.3	73.3	5.0	11.7	83.3
PICK 10401	3.0	3.0	94.0	2.7	2.3	95.0	9.0	16.7	74.3	4.3	12.3	83.3
BONNEVILLE	3.0	3.7	93.3	2.3	3.0	94.7	7.3	17.3	75.3	4.3	20.0	75.7
DLF LGD-3022	2.7	3.7	93.7	4.3	4.3	91.3	9.3	20.0	70.7	3.7	9.0	87.3
BANFIELD (IS-PR 491)	3.0	3.7	93.3	11.0	6.0	83.0	16.7	18.3	65.0	3.7	13.3	83.0
PSRX-4CAGL	3.0	4.3	92.7	3.7	4.3	92.0	8.3	21.7	70.0	3.7	11.7	84.7
S85	2.3	8.3	89.3	7.7	5.0	87.3	9.0	21.7	69.3	2.3	13.3	84.3
FIESTA 4	3.0	9.3	87.7	4.7	6.0	89.3	9.0	16.7	74.3	3.7	15.0	81.3
OCTANE	3.0	4.7	92.3	4.3	5.0	90.7	15.0	21.7	63.3	5.7	13.3	81.0
SALINAS II (PST-204D)	3.0	5.3	91.7	3.7	4.3	92.0	11.7	21.7	66.7	5.0	13.3	81.7
BENCHMARK (PST-2BNS)	3.0	3.7	93.3	10.0	8.3	81.7	10.0	30.0	60.0	4.3	16.7	79.0
PACIFIC GEM (PST-2MG7)	3.0	5.3	91.7	3.7	5.0	91.3	9.0	17.3	73.7	5.0	12.3	82.7
PARKSIDE (PST-2NJK)	3.0	4.3	92.7	2.7	4.3	93.0	11.7	20.0	68.3	6.0	14.0	80.0
GO-G37	3.0	6.7	90.3	6.0	6.7	87.3	9.0	20.0	71.0	4.3	15.0	80.7
THRIVE (IS-PR 469)	3.0	25.0	72.0	3.0	4.3	92.7	10.7	23.3	66.0	4.3	15.0	80.7
ASPAIRE (IS-PR 489)	3.0	6.7	90.3	3.7	3.7	92.7	8.3	18.3	73.3	4.3	15.0	80.7
JR-192	2.7	6.0	91.3	4.7	4.3	91.0	10.7	21.7	67.7	4.3	15.7	80.0
PSRX-3701	3.0	7.7	89.3	4.3	6.0	89.7	11.7	16.7	71.7	3.7	14.0	82.3
SR4660ST (SRX-4MSH)	3.0	3.3	93.7	4.3	3.3	92.3	7.3	23.3	69.3	4.3	12.3	83.3
UNO	2.7	6.3	91.0	5.7	6.3	88.0	9.3	20.0	70.7	4.3	14.7	81.0
BRIGHTSTAR SLT	2.7	9.3	88.0	4.3	5.7	90.0	7.3	23.3	69.3	3.7	13.3	83.0
EXPEDITE (CL 307)	3.0	7.7	89.3	6.7	4.3	89.0	11.7	23.3	65.0	4.3	16.7	79.0
GM3	3.0	9.3	87.7	5.0	6.7	88.3	10.7	25.0	64.3	3.7	21.7	74.7
HANCOCK (IS-PR 479)	3.0	4.3	92.7	4.3	5.7	90.0	11.7	25.0	63.3	5.0	16.7	78.3
JR-178	3.0	9.3	87.7	6.0	7.7	86.3	10.7	17.3	72.0	4.3	12.3	83.3
PALMER V	3.0	6.0	91.0	6.0	6.0	88.0	8.3	26.7	65.0	4.3	13.3	82.3
PSRX-S84	3.0	11.7	85.3	5.0	6.7	88.3	10.0	20.0	70.0	4.3	15.0	80.7
PST-2NKM	3.0	11.0	86.0	6.7	6.0	87.3	10.0	18.3	71.7	4.3	13.3	82.3
RAINWATER (PST-2TQL)	3.0	7.7	89.3	6.3	5.3	88.3	11.7	23.3	65.0	4.3	15.7	80.0
RINOVO	3.0	13.3	83.7	5.0	6.7	88.3	11.7	26.7	61.7	3.7	14.0	82.3
PINNACLE III (BAR LP 10970)	3.0	10.0	87.0	6.7	7.7	85.7	15.0	23.3	61.7	4.3	18.3	77.3
BAR LP 10972	3.0	6.0	91.0	5.0	5.3	89.7	13.3	26.7	60.0	4.3	15.0	80.7
CL 11701	12.0	8.3	79.7	9.3	15.0	75.7	21.7	30.0	48.3	4.3	36.7	59.0
MONSIEUR (IS-PR 488)	3.0	6.0	91.0	3.3	5.3	91.3	10.7	23.3	66.0	3.7	20.0	76.3
VINTAGE (ISG-36)	2.7	10.0	87.3	10.3	9.0	80.7	10.0	36.7	53.3	3.7	21.7	74.7
LTP-RAE	2.7	13.3	84.0	7.7	7.7	84.7	10.0	20.0	70.0	3.7	15.0	81.3
MACH I	3.0	6.7	90.3	4.3	4.3	91.3	10.0	25.0	65.0	5.7	18.3	76.0
PICK 4DFHM	3.0	5.0	92.0	3.0	5.7	91.3	10.0	26.7	63.3	4.3	14.0	81.7
PPG-PR 142	3.0	7.7	89.3	7.0	7.3	85.7	9.0	26.7	64.3	4.3	16.7	79.0
PROVOST (PPG-PR 143)	3.0	10.0	87.0	4.3	6.7	89.0	13.3	26.7	60.0	4.3	20.0	75.7
PRX-4GM1	3.0	7.7	89.3	3.0	5.0	92.0	11.7	23.3	65.0	4.3	21.7	74.0
CS-PR66	3.0	6.0	91.0	6.0	5.0	89.0	11.7	23.3	65.0	4.3	21.7	74.0
PILLAR (CST)	3.0	11.0	86.0	5.0	7.7	87.3	12.3	23.3	64.3	5.0	18.3	76.7
GO-PR60	2.7	6.0	91.3	5.0	4.3	90.7	10.0	23.3	66.7	5.0	15.0	80.0
STAMINA (IS-PR 487)	3.0	9.3	87.7	3.7	6.0	90.3	11.7	26.7	61.7	4.3	17.3	78.3
DILIGENT (IS-PR 492)	3.0	8.3	88.7	5.3	7.0	87.7	13.3	21.7	65.0	4.3	20.0	75.7
PREMIUM (PPG-PR 13 7)	3.0	10.7	86.3	4.3	6.7	89.0	11.7	26.7	61.7	4.3	15.7	80.0

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 19. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT RIVERSIDE (TRAFFIC STUDY), CA 1/
 2012 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER IN AUGUST			PERCENT COVER IN SEPTEMBER			PERCENT COVER IN OCTOBER			PERCENT COVER IN NOVEMBER		
	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN
AMAZING A+ (PPG-PR 138)	3.0	11.7	85.3	6.3	7.7	86.0	9.0	28.3	62.7	3.7	13.3	83.0
GRAND SLAM GLD (PPG-PR 164)	3.0	11.0	86.0	5.0	7.7	87.3	12.3	26.7	61.0	4.3	15.7	80.0
PISTOL (PST-2ACR)	3.0	7.7	89.3	9.0	8.3	82.7	13.3	26.7	60.0	5.0	20.0	75.0
PST-2AG4	3.0	7.7	89.3	7.3	7.3	85.3	13.3	25.0	61.7	4.3	17.3	78.3
PST-2DR9	3.0	9.3	87.7	5.0	7.7	87.3	13.3	23.3	63.3	5.0	16.7	78.3
PST-2MAGS	3.0	11.7	85.3	6.3	7.3	86.3	13.3	21.7	65.0	5.0	21.7	73.3
APR 2445	3.0	11.7	85.3	8.3	8.3	83.3	11.7	26.7	61.7	4.3	20.7	75.0
GO-DHS	3.0	10.0	87.0	6.0	7.3	86.7	11.7	25.0	63.3	5.0	21.7	73.3
INSIGHT	3.0	10.0	87.0	5.7	8.3	86.0	10.0	21.7	68.3	4.3	16.7	79.0
STELLAR 3GL (PPG-PR 134)	3.0	9.3	87.7	6.7	7.7	85.7	15.0	26.7	58.3	4.3	16.7	79.0
PPG-PR 136	3.0	12.7	84.3	6.0	8.7	85.3	11.7	21.7	66.7	3.7	15.0	81.3
APPLE SGL (PPG-PR 140)	15.3	9.3	75.3	17.3	15.7	67.0	25.0	26.7	48.3	3.7	23.3	73.0
PST-2K9	3.0	7.7	89.3	10.0	11.7	78.3	23.3	25.0	51.7	4.3	16.7	79.0
RAD-PR55R	3.7	11.0	85.3	5.7	8.7	85.7	11.7	28.3	60.0	4.3	21.7	74.0
ASP 0112 (A-35)	3.0	10.0	87.0	8.7	10.7	80.7	7.3	30.0	62.7	4.3	22.3	73.3
APR 2038	3.0	8.3	88.7	6.7	8.3	85.0	13.3	31.7	55.0	4.3	18.3	77.3
APR 2320	3.0	13.3	83.7	6.3	7.3	86.3	13.3	28.3	58.3	5.0	20.0	75.0
BAR LP 10969	3.0	11.7	85.3	11.0	8.3	80.7	15.0	23.3	61.7	5.0	20.0	75.0
RIPTIDE (IS-PR 409)	3.0	10.0	87.0	4.3	6.0	89.7	11.7	30.0	58.3	5.0	20.0	75.0
SEDUCTIVE (ISG-30)	3.0	10.0	87.0	10.0	10.0	80.0	13.3	28.3	58.3	5.0	23.3	71.7
PPG-PR 128	3.0	10.0	87.0	10.0	11.7	78.3	13.3	35.0	51.7	5.0	23.3	71.7
FASTBALL RGL (PPG-PR 133)	3.0	11.0	86.0	5.7	7.7	86.7	13.3	23.3	63.3	4.3	20.0	75.7
METOLIUS (PPG-PR 165)	3.0	10.0	87.0	3.0	6.0	91.0	11.7	23.3	65.0	5.0	18.3	76.7
PEPPER (RAD-PR62)	3.0	13.3	83.7	4.3	6.0	89.7	13.3	25.0	61.7	5.0	20.0	75.0
RIO VISTA	3.0	10.0	87.0	6.0	8.3	85.7	13.3	21.7	65.0	5.0	18.3	76.7
BAR LP 7608	3.0	13.3	83.7	5.7	7.3	87.0	11.7	31.7	56.7	5.0	23.3	71.7
PROMINENT (CS-20)	3.0	16.7	80.3	7.3	11.7	81.0	13.3	28.3	58.3	5.0	25.0	70.0
P02	3.0	11.0	86.0	7.7	8.3	84.0	11.7	26.7	61.7	5.0	23.3	71.7
SRX-4RHD	3.0	13.3	83.7	6.3	8.3	85.3	15.0	26.7	58.3	4.3	20.0	75.7
SUNSTREAKER (APR 2036)	3.0	10.0	87.0	5.7	8.0	86.3	13.3	33.3	53.3	5.7	20.0	74.3
EXCELLENCE (ISG-31)	3.0	15.0	82.0	10.7	15.0	74.3	13.3	40.0	46.7	5.0	31.7	63.3
LTP-PR 135	3.0	11.7	85.3	6.7	7.3	86.0	15.0	23.3	61.7	4.3	20.0	75.7
SIENNA	3.0	14.0	83.0	8.3	8.3	83.3	15.0	26.7	58.3	4.3	19.0	76.7
ALLANTE	3.0	18.3	78.7	7.7	11.7	80.7	11.7	25.0	63.3	3.7	25.0	71.3
VISION (CL 11601)	3.0	15.0	82.0	11.3	9.0	79.7	13.3	30.0	56.7	5.0	20.0	75.0
GREEN SUPREME(PPG-PR 121)	3.0	15.0	82.0	10.7	11.7	77.7	15.0	26.7	58.3	5.0	23.3	71.7
PR 909	3.0	16.7	80.3	7.7	8.3	84.0	13.3	21.7	65.0	4.3	18.3	77.3
DLF LGD-3026	3.0	18.3	78.7	21.7	13.3	65.0	16.7	26.7	56.7	5.0	25.0	70.0
DLF LGT 4182	3.0	15.0	82.0	7.3	9.0	83.7	11.7	31.7	56.7	5.7	31.7	62.7
PINNACLE	4.3	12.3	83.3	8.7	13.3	78.0	16.7	26.7	56.7	4.3	43.3	52.3
LINN	3.0	36.7	60.3	16.7	31.7	51.7	18.3	53.3	28.3	10.0	58.3	31.7
LSD VALUE	11.9	10.9	13.4	16.5	7.9	17.8	15.1	19.3	29.6	3.3	17.5	18.0
C.V. (%)	87.7	56.8	7.3	77.0	55.1	9.7	39.9	30.6	16.8	26.8	44.7	11.6

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

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

TABLE 20.

PERCENT GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT UNIVERSITY PARK, PA 1/
2011-14 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	BEFORE TRAFFIC 8_27	TRAFFIC 8_27 2011	NO TRAFFIC 10_18 2011	TRAFFIC 10_18 2011	NO TRAFFIC 8_25 2013	TRAFFIC 8_25 2013	TRAFFIC 11_28 2013	NO TRAFFIC 5_7 2014	TRAFFIC 5_7 2014	TRAFFIC 9_4 2014	TRAFFIC 11_1 2014	MEAN
SIENNA	99	99.0	99.0	84.3	99.0	99.0	90.7	99	91.7	99.0	97.3	95.0
INSIGHT	99	99.0	98.7	77.7	99.0	99.0	92.3	99	97.0	99.0	93.3	94.6
VISION (CL 11601)	99	99.0	99.0	84.3	99.0	99.0	88.3	99	94.7	99.0	93.0	94.4
THRIVE (IS-PR 469)	99	99.0	99.0	83.7	99.0	99.0	90.0	99	91.3	97.7	89.3	93.7
BANFIELD (IS-PR 491)	99	99.0	99.0	80.7	99.0	98.7	91.7	99	91.3	99.0	87.7	93.6
SR 4650 (PSRX-3701)	99	99.0	99.0	80.0	99.0	98.7	88.3	99	91.0	99.0	91.0	93.3
STAMINA (IS-PR 487)	99	99.0	99.0	82.7	99.0	99.0	90.0	99	94.7	99.0	81.7	93.3
APPLE SGL (PPG-PR 140)	99	99.0	99.0	83.0	99.0	99.0	88.0	99	90.0	98.7	88.7	93.2
LTP-PR 135	99	99.0	98.7	88.0	99.0	99.0	88.3	99	85.3	99.0	87.7	93.2
METOLIUS (PPG-PR 165)	99	99.0	99.0	81.3	99.0	99.0	87.3	99	93.0	99.0	87.7	93.2
DILIGENT (IS-PR 492)	99	99.0	99.0	84.0	99.0	99.0	87.3	99	90.0	99.0	87.0	93.1
DLF LGD-3022	99	99.0	99.0	80.0	99.0	99.0	87.3	99	93.0	98.7	88.3	93.1
FASTBALL RGL (PPG-PR 133)	99	99.0	99.0	80.0	99.0	98.7	90.7	99	85.0	99.0	91.7	93.1
KARMA (PICK 10401)	99	99.0	99.0	81.3	99.0	99.0	85.7	99	93.3	99.0	88.3	93.0
GRAND SLAM GLD (PPG-PR 164)	99	99.0	99.0	80.7	99.0	99.0	88.0	99	88.3	99.0	89.3	92.9
LTP-RAE	99	99.0	99.0	81.7	98.3	97.3	87.3	99	89.0	99.0	87.7	92.5
RAINWATER (PST-2TQL)	99	99.0	99.0	75.7	99.0	99.0	90.0	99	92.3	98.3	84.3	92.5
RINOVO	99	99.0	99.0	80.7	99.0	98.7	88.3	99	86.7	99.0	87.7	92.5
PST-2NKM	99	99.0	99.0	75.7	99.0	99.0	89.0	99	90.0	99.0	87.0	92.4
EVOLUTION (S85)	99	99.0	99.0	81.0	99.0	99.0	84.0	99	88.3	98.0	90.0	92.2
MONSIEUR (IS-PR 488)	99	99.0	99.0	81.3	99.0	98.3	88.3	99	92.7	98.0	80.0	92.2
RIPTIDE (IS-PR 409)	99	99.0	98.7	73.3	98.3	98.0	90.7	99	90.0	99.0	87.0	92.2
AMAZING A+ (PPG-PR 138)	99	99.0	99.0	82.0	99.0	99.0	87.3	99	85.0	98.0	86.0	92.1
BENCHMARK (PST-2BNS)	99	99.0	99.0	75.7	99.0	99.0	90.7	99	88.3	99.0	83.7	92.1
PPG-PR 142	99	99.0	99.0	81.7	99.0	98.3	87.3	99	88.3	98.7	82.7	92.0
SUNSTREAKER (APR 2036)	99	99.0	99.0	71.7	99.0	99.0	87.3	99	94.3	97.0	87.0	91.9
UNO	99	99.0	99.0	80.0	99.0	99.0	88.0	99	88.3	97.7	82.7	91.9
PST-PARKSIDE (PST-2NJK)	99	99.0	98.7	75.0	99.0	99.0	87.3	99	89.0	98.3	86.7	91.8
PLAYOFF 2 (P02)	99	99.0	98.3	79.3	99.0	99.0	89.0	99	88.3	94.3	84.3	91.7
PRX-4GM1	99	99.0	99.0	76.0	98.0	98.0	89.0	99	86.7	99.0	85.0	91.7
HANCOCK (IS-PR 479)	99	99.0	99.0	74.0	98.7	97.7	89.0	99	89.3	98.3	85.0	91.6
JR-192	99	99.0	98.3	70.0	98.7	99.0	91.7	99	87.3	99.0	85.0	91.6
PISTOL (PST-2ACR)	99	99.0	98.7	71.7	98.7	99.0	87.3	99	91.7	98.7	85.3	91.6
PIZZAZZ 2 GLR (PR 909)	99	99.0	98.7	76.3	99.0	99.0	85.7	99	84.7	99.0	89.3	91.6
STELLAR 3GL (PPG-PR 134)	99	99.0	99.0	70.0	98.7	99.0	90.0	99	85.0	99.0	89.3	91.6
ALLANTE	99	99.0	99.0	68.3	99.0	99.0	87.0	99	91.3	99.0	87.7	91.5
DOMINATOR (PST-2AG4)	99	99.0	99.0	76.0	98.7	98.7	87.3	99	88.3	96.0	86.0	91.5
HAVEN (APR 2038)	99	99.0	99.0	76.3	99.0	99.0	86.3	99	87.7	98.3	85.3	91.5
PPG-PR 136	99	99.0	99.0	77.0	99.0	99.0	89.0	99	81.7	99.0	86.0	91.5
SR4660ST (SRX-4MSH)	99	99.0	98.3	73.3	98.3	97.7	87.0	99	88.3	99.0	88.7	91.5
BAR LP 10972	99	98.3	99.0	77.3	99.0	99.0	88.0	99	85.0	98.3	84.3	91.4
BRIGHTSTAR SLT	99	99.0	98.7	76.7	99.0	97.3	87.3	99	91.3	96.0	83.7	91.4
PPG-PR 128	99	99.0	99.0	84.0	98.7	98.3	86.3	99	83.3	99.0	81.7	91.4
PROVOST (PPG-PR 143)	99	99.0	99.0	77.7	99.0	98.7	89.0	99	80.0	99.0	86.7	91.4
BANDALORE (IS-PR 463)	99	99.0	99.0	68.7	98.7	99.0	89.7	99	86.3	99.0	87.0	91.3
DLF LGD-3026	99	99.0	99.0	79.0	99.0	97.3	89.0	99	81.7	96.7	87.0	91.3
MACH I	99	99.0	99.0	75.3	98.0	98.0	90.7	99	89.3	96.3	80.0	91.3

TABLE 20. (CONT'D)

PERCENT GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT UNIVERSITY PARK, PA 1/
2011-14 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	BEFORE TRAFFIC 8_27	TRAFFIC 8_27 2011	NO TRAFFIC 10_18 2011	TRAFFIC 10_18 2011	NO TRAFFIC 8_25 2013	TRAFFIC 8_25 2013	TRAFFIC 11_28 2013	NO TRAFFIC 5_7 2014	TRAFFIC 5_7 2014	TRAFFIC 9_4 2014	TRAFFIC 11_1 2014	MEAN
PALMER V	99.0	99.0	99.0	77.0	99.0	96.7	89.0	99	86.7	99.0	82.7	91.3
PINNACLE III (BAR LP 10970)	99.0	99.0	99.0	74.0	99.0	99.0	88.0	99	81.7	98.7	86.7	91.1
GREEN SUPREME (PPG-PR 121)	99.0	99.0	99.0	75.3	99.0	99.0	85.7	99	86.7	98.0	85.0	91.1
BAR LP 7608	99.0	98.7	99.0	65.0	99.0	97.7	93.3	99	85.0	99.0	86.0	91.0
SOX FAN (GM3)	99.0	99.0	99.0	82.0	98.7	98.0	88.3	99	80.0	96.7	82.7	91.0
PST-2DR9	99.0	99.0	99.0	69.3	99.0	99.0	88.0	99	86.7	98.7	85.0	90.9
PST-2K9	99.0	99.0	99.0	68.7	99.0	98.7	87.3	99	86.7	99.0	86.7	90.9
SALINAS II (PST-204D)	99.0	99.0	99.0	77.3	99.0	99.0	87.3	99	76.7	98.7	87.7	90.9
SIDEWAYS (PSRX-S84)	99.0	99.0	99.0	73.0	99.0	99.0	85.7	99	83.0	99.0	86.0	90.7
PREMIUM (PPG-PR 137)	99.0	99.0	99.0	77.7	98.7	97.7	88.0	99	76.3	98.3	87.0	90.6
RIO VISTA	99.0	99.0	99.0	77.0	99.0	97.7	88.3	99	85.0	99.0	77.7	90.6
WICKED (SRX-4RHD)	99.0	99.0	99.0	82.3	99.0	99.0	85.7	99	78.3	97.7	81.7	90.6
ASPIRE (IS-PR 489)	99.0	99.0	99.0	76.0	99.0	99.0	84.7	99	80.0	98.0	86.7	90.5
FIESTA 4	99.0	99.0	99.0	67.7	99.0	99.0	87.3	99	86.3	97.7	85.0	90.5
PANGEA GLR (CL 11701)	99.0	99.0	99.0	76.7	98.7	99.0	86.7	99	79.3	99.0	82.7	90.5
PINNACLE	99.0	99.0	96.3	74.0	99.0	98.7	90.7	99	88.3	96.3	76.7	90.5
PSRX-4CAGL	99.0	99.0	99.0	76.3	98.3	97.3	89.0	99	81.7	98.0	81.0	90.5
RAD-PR55R	99.0	99.0	98.3	78.3	98.3	97.7	89.0	99	83.3	98.0	77.7	90.5
EXPEDITE (CL 307)	99.0	99.0	99.0	76.3	98.7	98.3	88.3	99	73.3	99.0	87.3	90.4
OCTANE	99.0	99.0	99.0	77.0	98.7	98.3	87.0	99	83.3	97.0	81.7	90.4
APR 2320	99.0	99.0	99.0	77.3	99.0	99.0	81.3	99	86.7	98.7	81.7	90.3
BONNEVILLE	99.0	99.0	99.0	75.7	98.7	98.0	87.3	99	83.3	98.0	80.0	90.3
CS-PR66	99.0	99.0	99.0	74.3	98.7	97.0	87.3	99	83.3	96.7	82.7	90.2
APR 2445	99.0	99.0	99.0	76.7	99.0	99.0	85.0	99	78.3	98.0	84.3	90.1
EXCELLENCE (ISG-31)	99.0	99.0	99.0	73.3	98.7	97.3	86.7	99	83.3	95.7	83.3	90.0
PILLAR (CST)	99.0	99.0	99.0	78.7	98.0	98.7	88.0	99	71.7	97.7	82.7	89.9
PICK 4DFHM	99.0	98.7	99.0	75.0	99.0	98.0	87.0	99	76.7	98.3	82.7	89.8
PACIFIC GEM (PST-2MG7)	99.0	98.7	98.3	67.3	99.0	98.3	89.0	99	80.0	98.7	81.7	89.5
GO-G37	99.0	99.0	99.0	76.0	97.7	97.0	82.3	99	83.3	98.0	78.3	89.2
MANHATTAN 6 GLR (PST-2MAGS)	99.0	99.0	99.0	70.3	99.0	99.0	85.7	99	78.3	98.7	77.7	88.9
GO-DHS	99.0	99.0	98.0	69.0	99.0	98.3	84.0	99	81.7	98.0	76.7	88.4
PEPPER (RAD-PR62)	99.0	99.0	99.0	66.0	98.7	99.0	87.3	99	81.7	96.7	73.3	88.4
JR-178	99.0	99.0	99.0	67.7	97.7	97.7	86.7	99	76.7	98.0	76.0	88.1
GO-PR60	99.0	99.0	99.0	72.3	97.3	95.7	85.7	99	76.7	98.7	74.3	88.0
VINTAGE (ISG-36)	99.0	99.0	99.0	73.3	96.3	93.3	83.3	99	78.3	98.0	78.3	87.9
PROMINENT (CS-20)	99.0	99.0	98.7	69.0	96.3	96.0	83.3	99	81.7	98.0	75.0	87.8
SEDUCTIVE (ISG-30)	99.0	99.0	99.0	74.0	98.3	95.7	83.3	99	75.0	98.3	76.0	87.8
BAR LP 10969	99.0	99.0	99.0	78.3	99.0	97.0	82.3	99	65.0	93.0	72.7	86.2
ASP 0112 (A-35)	99.0	99.0	98.3	71.0	97.7	96.7	81.7	99	71.7	94.3	71.7	85.9
LINN	96.7	97.0	96.7	67.7	98.0	97.0	73.3	99	73.3	94.3	84.3	85.4
DLF LGT 4182	98.3	98.7	98.0	49.3	91.0	90.3	75.0	99	53.3	88.7	40.0	75.1
LSD VALUE	0.3	0.5	0.7	21.0	1.6	2.4	7.3	0	18.4	3.1	10.3	3.6
C.V. (%)	0.2	0.3	0.4	10.6	1.0	1.4	4.2	0	10.3	1.7	7.4	4.2

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 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT BLACKSBURG (TRAFFIC STUDY), VA 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT GREEN COVER BEFORE TRAFFIC 8/29/11	PERCENT GREEN COVER NO TRAFFIC 9/27/11	PERCENT GREEN COVER TRAFFIC 9/27/11	PERCENT GREEN COVER TRAFFIC 11/2/11	2-WEEKS AFTER LAST TRAFFIC 11/22/11	QUALITY TRAFFIC 11/2/11
HAVEN (APR 2038)	96.0	99.0	81.7	83.3	75.0	5.7
PREMIUM (PPG-PR 137)	96.0	99.0	88.3	90.0	76.7	5.7
PIZZAZZ 2 GLR (PR 909)	98.0	99.0	88.3	85.0	80.0	5.7
SR4660ST (SRX-4MSH)	98.0	99.0	86.7	86.7	83.3	5.7
PINNACLE III (BAR LP 10970)	98.0	99.0	81.7	83.3	78.3	5.3
VISION (CL 11601)	96.0	99.0	85.0	83.3	80.0	5.3
GO-G37	96.0	97.7	73.3	86.7	76.7	5.3
MONSIEUR (IS-PR 488)	97.0	99.0	83.3	80.0	86.7	5.3
BANFIELD (IS-PR 491)	92.0	92.7	86.7	65.0	85.0	5.3
JR-192	98.0	99.0	88.3	83.3	85.0	5.3
LTP-PR 135	97.0	99.0	85.0	83.3	78.3	5.3
STELLAR 3GL (PPG-PR 134)	96.0	99.0	80.0	75.0	75.0	5.3
SALINAS II (PST-204D)	96.0	99.0	81.7	86.7	81.7	5.3
PST-2DR9	98.0	99.0	80.0	80.0	73.3	5.3
RAINWATER (PST-2TQL)	97.0	99.0	80.0	76.7	81.7	5.3
RINOVO	96.0	99.0	86.7	80.0	76.7	5.3
DLF LGD-3022	94.3	99.0	76.7	71.7	68.3	5.0
SOX FAN (GM3)	98.0	99.0	86.7	86.7	86.7	5.0
STAMINA (IS-PR 487)	98.3	99.0	85.0	78.3	75.0	5.0
DILIGENT (IS-PR 492)	93.7	96.0	88.3	83.3	83.3	5.0
EXCELLENCE (ISG-31)	95.0	96.0	80.0	83.3	83.3	5.0
JR-178	97.0	99.0	85.0	78.3	78.3	5.0
OCTANE	95.3	99.0	78.3	75.0	78.3	5.0
GREEN SUPREME(PPG-PR 121)	94.3	99.0	80.0	73.3	73.3	5.0
PPG-PR 128	96.0	99.0	78.3	73.3	76.7	5.0
FASTBALL RGL (PPG-PR 133)	96.0	99.0	83.3	81.7	76.7	5.0
PPG-PR 136	94.3	99.0	76.7	80.0	68.3	5.0
AMAZING A+ (PPG-PR 138)	94.3	99.0	80.0	78.3	75.0	5.0
PPG-PR 142	96.0	99.0	81.7	78.3	80.0	5.0
PRX-4GM1	98.0	99.0	83.3	81.7	78.3	5.0
SIDEWAYS (PSRX-S84)	96.0	99.0	83.3	78.3	80.0	5.0
PST-2K9	97.0	99.0	80.0	85.0	76.7	5.0
MANHATTAN 6 GLR (PST-2MAGS)	94.3	99.0	78.3	80.0	75.0	5.0
SUNSTREAKER (APR 2036)	92.7	99.0	86.7	73.3	81.7	4.7
APR 2320	96.0	99.0	85.0	81.7	80.0	4.7
APR 2445	94.3	99.0	86.7	75.0	85.0	4.7
BRIGHTSTAR SLT	94.7	97.7	78.3	78.3	73.3	4.7
CS-PR66	95.3	99.0	76.7	75.0	70.0	4.7
DLF LGD-3026	95.0	97.7	80.0	80.0	70.0	4.7
FIESTA 4	96.0	97.7	76.7	76.7	73.3	4.7
INSIGHT	96.3	99.0	71.7	73.3	70.0	4.7
BANDALORE (IS-PR 463)	98.0	99.0	83.3	78.3	75.0	4.7
HANCOCK (IS-PR 479)	95.0	99.0	78.3	76.7	78.3	4.7
SEDUCTIVE (ISG-30)	95.0	99.0	83.3	80.0	76.7	4.7
VINTAGE (ISG-36)	92.7	97.7	71.7	78.3	71.7	4.7
PLAYOFF 2 (P02)	97.0	97.7	76.7	73.3	75.0	4.7
PICK 4DFHM	96.0	99.0	83.3	78.3	76.7	4.7

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP

TABLE 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) AT BLACKSBURG (TRAFFIC STUDY), VA 1/
2011 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/

NAME	PERCENT GREEN COVER BEFORE TRAFFIC 8/29/11	PERCENT GREEN COVER NO TRAFFIC 9/27/11	PERCENT GREEN COVER TRAFFIC 9/27/11	PERCENT GREEN COVER TRAFFIC 11/2/11	2-WEEKS AFTER LAST TRAFFIC 11/22/11	QUALITY TRAFFIC 11/2/11
APPLE SGL (PPG-PR 140)	95.0	99.0	81.7	71.7	71.7	4.7
SR 4650 (PSRX-3701)	98.0	99.0	85.0	83.3	76.7	4.7
PISTOL (PST-2ACR)	92.7	97.7	81.7	73.3	78.3	4.7
DOMINATOR (PST-2AG4)	96.0	99.0	80.0	76.7	70.0	4.7
EVOLUTION (S85)	98.0	99.0	83.3	76.7	75.0	4.7
UNO	90.0	96.0	81.7	66.7	61.7	4.7
ASP 0112 (A-35)	93.3	99.0	76.7	75.0	76.7	4.3
ALLANTE	92.7	99.0	73.3	68.3	61.7	4.3
BAR LP 10969	96.0	99.0	78.3	66.7	71.7	4.3
BAR LP 7608	97.0	99.0	76.7	70.0	63.3	4.3
BONNEVILLE	93.7	99.0	76.7	71.7	73.3	4.3
PANGEA GLR (CL 11701)	97.0	99.0	78.3	75.0	78.3	4.3
EXPEDITE (CL 307)	96.0	99.0	83.3	78.3	73.3	4.3
PILLAR (CST)	98.0	99.0	85.0	83.3	81.7	4.3
GO-DHS	92.7	99.0	75.0	73.3	75.0	4.3
GO-PR60	95.3	99.0	76.7	73.3	73.3	4.3
THRIVE (IS-PR 469)	97.0	99.0	80.0	80.0	75.0	4.3
ASPIRE (IS-PR 489)	97.0	99.0	85.0	83.3	80.0	4.3
LTP-RAE	97.0	99.0	86.7	71.7	75.0	4.3
MACH I	92.7	99.0	68.3	66.7	58.3	4.3
PALMER V	94.3	99.0	76.7	73.3	71.7	4.3
KARMA (PICK 10401)	98.0	99.0	78.3	76.7	68.3	4.3
PROVOST (PPG-PR 143)	93.3	99.0	80.0	70.0	68.3	4.3
GRAND SLAM GLD (PPG-PR 164)	95.0	99.0	83.3	73.3	75.0	4.3
METOLIUS (PPG-PR 165)	96.0	99.0	78.3	65.0	75.0	4.3
PSRX-4CAGL	91.0	99.0	76.7	65.0	71.7	4.3
PACIFIC GEM (PST-2MG7)	96.0	96.0	81.7	86.7	78.3	4.3
RIO VISTA	97.0	99.0	83.3	81.7	75.0	4.3
PARKSIDE (PST-2NJK)	98.0	99.0	81.7	81.7	68.3	4.0
PROMINENT (CS-20)	91.7	99.0	75.0	61.7	71.7	4.0
DLF LGT 4182	90.0	99.0	68.3	68.3	63.3	4.0
PINNACLE	92.7	97.7	66.7	65.0	63.3	4.0
PST-2NKM	98.0	97.7	90.0	83.3	83.3	4.0
RAD-PR55R	95.3	99.0	71.7	61.7	70.0	4.0
PEPPER (RAD-PR62)	95.0	99.0	78.3	61.7	71.7	4.0
SIENNA	94.3	99.0	75.0	73.3	73.3	4.0
WICKED (SRX-4RHD)	97.3	99.0	75.0	68.3	61.7	4.0
RIPTIDE (IS-PR 409)	97.0	99.0	76.7	73.3	70.0	3.7
BENCHMARK (PST-2BNS)	97.0	99.0	85.0	73.3	71.7	3.7
BAR LP 10972	94.3	99.0	70.0	66.7	56.7	3.3
LINN	85.0	91.3	55.0	56.7	46.7	2.7
LSD VALUE	6.2	5.7	13.7	28.8	25.8	5.3
C.V. (%)	3.0	1.9	8.5	13.3	13.2	22.3

- 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.
- 3/ TRAFFIC IS APPLIED USING A BRINKMANN TRAFFIC SIMULATOR TO APPROXIMATE 60 FOOTBALL GAMES OVER A TEN WEEK PERIOD IN FALL. TRAFFIC APPLIED STARTING 8/31/11, EVERY TUESDAY AND FRIDAY. LAST TRAFFIC APPLIED ON 11/4/11.

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP

TABLE 21. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT BLACKSBURG (TRAFFIC STUDY), VA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER SPRING	PERCENT BEFORE TRAFFIC	PERCENT LIVING GROUND MID-WAY TRAFFIC	COVER AFTER TRAFFIC	MAR	MAY	JUN	QUALITY JUL	RATINGS AUG	SEP	NOV	MEAN
SALINAS II (PST-204D)	75.0	97.7	83.3	76.7	7.0	6.7	7.3	6.3	7.0	5.7	5.0	6.4
PST-2NKM	76.7	99.0	81.7	83.3	5.7	6.3	7.0	7.0	7.0	5.7	6.0	6.4
WICKED (SRX-4RHD)	66.7	96.0	76.7	73.3	6.3	6.7	7.0	6.7	7.3	6.0	4.7	6.4
STELLAR 3GL (PPG-PR 134)	78.3	97.7	78.3	78.3	5.3	6.0	6.7	6.0	8.3	5.7	6.0	6.3
PARKSIDE (PST-2NJK)	66.7	97.7	85.0	80.0	5.0	6.0	6.7	6.3	7.3	6.3	6.0	6.2
HAVEN (APR 2038)	76.7	99.0	81.7	83.3	5.3	6.3	7.3	6.3	7.3	5.7	5.3	6.2
BENCHMARK (PST-2BNS)	76.7	99.0	80.0	78.3	6.0	6.3	7.3	6.7	7.0	5.0	5.3	6.2
VISION (CL 11601)	76.7	97.7	81.7	68.3	5.7	6.3	7.3	7.0	6.7	5.0	4.7	6.1
SIDEWAYS (PSRX-S84)	80.0	97.7	80.0	76.7	5.0	6.0	6.7	6.0	7.3	6.0	5.3	6.0
SUNSTREAKER (APR 2036)	78.3	89.3	92.7	88.3	5.0	6.0	6.0	5.3	6.3	6.7	5.7	5.9
DILIGENT (IS-PR 492)	75.0	96.3	73.3	66.7	5.7	6.3	7.0	5.3	7.3	4.7	4.7	5.9
GRAND SLAM GLD (PPG-PR 164)	76.7	97.7	91.7	90.0	4.3	5.3	5.7	5.3	7.7	6.0	6.7	5.9
PST-2DR9	73.3	99.0	83.3	80.0	5.7	6.0	6.0	6.0	6.7	5.7	5.3	5.9
APR 2445	71.7	97.7	83.3	73.3	5.7	6.0	5.7	5.7	6.7	5.7	5.0	5.8
DOMINATOR (PST-2AG4)	76.7	96.3	83.3	76.7	6.0	6.0	5.7	4.7	6.7	5.7	5.7	5.8
GREEN SUPREME (PPG-PR 121)	81.7	96.3	91.7	86.7	4.3	5.7	6.3	5.7	7.3	5.3	6.0	5.8
FASTBALL RGL (PPG-PR 133)	73.3	94.7	85.0	83.3	4.7	5.7	6.0	6.0	7.0	5.3	6.0	5.8
PROVOST (PPG-PR 143)	75.0	96.0	91.7	86.7	4.7	5.7	5.7	5.3	6.7	6.7	5.7	5.8
PISTOL (PST-2ACR)	80.0	96.3	81.7	73.3	5.0	5.7	6.3	5.7	7.7	5.3	4.7	5.8
SR4660ST (SRX-4MSH)	85.0	96.3	86.7	83.3	4.3	5.3	6.3	5.3	7.7	5.7	6.0	5.8
PINNACLE III (BAR LP 10970)	75.0	96.3	88.3	78.3	5.3	5.3	5.7	5.3	7.3	6.3	4.7	5.7
EVOLUTION (S85)	80.0	97.7	70.0	63.3	5.0	6.0	6.3	5.7	7.0	5.3	4.7	5.7
LTP-PR 135	76.7	96.3	85.0	76.7	4.3	5.7	6.3	6.0	6.7	6.0	5.0	5.7
PICK 4DFHM	76.7	97.7	80.0	73.3	4.0	5.3	6.3	5.7	7.0	5.7	5.7	5.7
PREMIUM (PPG-PR 137)	81.7	96.3	76.7	78.3	5.3	5.7	6.0	5.7	6.3	5.3	5.7	5.7
PRX-4GM1	78.3	96.0	83.3	85.0	5.0	5.7	6.7	5.7	6.0	5.3	5.7	5.7
PST-2K9	81.7	97.7	83.3	63.3	5.0	6.0	7.3	5.3	7.3	4.7	4.3	5.7
BRIGHTSTAR SLT	71.7	99.0	81.7	55.0	5.7	5.7	5.3	5.0	7.0	5.7	4.7	5.6
DLF LGD-3022	70.0	93.3	75.0	58.3	5.7	6.3	6.3	5.3	6.3	4.7	4.3	5.6
GO-G37	73.3	97.7	78.3	80.0	5.3	5.7	5.0	5.7	6.3	5.3	6.0	5.6
EXCELLENCE (ISG-31)	76.7	93.0	80.0	75.0	5.7	5.3	5.3	5.3	6.3	5.7	5.3	5.6
KARMA (PICK 10401)	68.3	97.7	73.3	65.0	4.7	5.7	7.0	6.0	7.3	4.0	4.3	5.6
APPLE SGL (PPG-PR 140)	76.7	99.0	88.3	76.7	4.0	5.3	6.0	5.0	7.3	5.7	6.0	5.6
PEPPER (RAD-PR62)	73.3	95.0	75.0	70.0	5.7	5.7	5.0	5.7	6.3	6.0	4.7	5.6
UNO	66.7	94.7	76.7	63.3	5.3	5.3	5.3	6.0	7.3	5.0	4.7	5.6
BAR LP 7608	68.3	99.0	78.3	60.0	4.7	5.7	6.0	5.7	7.3	4.7	4.7	5.5
EXPEDITE (CL 307)	70.0	96.0	81.7	78.3	4.0	5.3	5.7	5.7	6.3	5.7	5.7	5.5
PROMINENT (CS-20)	73.3	91.7	65.0	68.3	6.7	6.0	5.0	4.3	6.3	5.3	4.7	5.5
PPG-PR 128	75.0	99.0	65.0	63.3	4.7	5.3	5.7	6.7	7.3	4.0	4.7	5.5
RINOVO	78.3	96.3	73.3	60.0	5.0	6.3	7.0	5.0	6.3	4.3	4.3	5.5
APR 2320	83.3	93.0	85.0	80.0	4.3	5.3	5.3	4.7	6.3	6.0	5.7	5.4
BAR LP 10972	60.0	94.7	81.7	76.7	5.3	5.0	4.3	5.0	6.7	6.0	5.3	5.4
SEDUCTIVE (ISG-30)	80.0	94.7	80.0	78.3	5.3	5.7	4.7	5.3	6.3	5.3	5.0	5.4
MANHATTAN 6 GLR (PST-2MAGS)	76.7	96.3	76.7	63.3	5.3	5.3	5.7	4.7	7.0	4.7	5.3	5.4
OCTANE	86.7	96.0	75.0	60.0	5.0	5.7	6.0	5.0	7.0	4.7	4.7	5.4
PANGEA GLR (CL 11701)	71.7	94.7	83.3	66.7	4.0	5.3	6.0	5.7	6.3	5.7	4.7	5.4
AMAZING A+ (PPG-PR 138)	68.3	94.7	83.3	70.0	4.7	5.3	6.0	5.3	6.7	5.0	4.7	5.4

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP

TABLE 21. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT BLACKSBURG (TRAFFIC STUDY), VA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER SPRING	PERCENT BEFORE TRAFFIC	LIVING GROUND MID-WAY TRAFFIC	COVER AFTER TRAFFIC	MAR	MAY	JUN	QUALITY JUL	RATINGS AUG	SEP	NOV	MEAN
RAINWATER (PST-2TQL)	81.7	97.7	70.0	65.0	5.0	5.7	6.0	5.7	7.0	4.3	4.3	5.4
SR 4650 (PSRX-3701)	73.3	94.7	70.0	58.3	5.7	6.0	6.7	5.3	6.7	3.3	4.0	5.4
CS-PR66	65.0	96.3	80.0	66.7	5.0	5.0	4.7	5.7	6.7	5.0	5.3	5.3
STAMINA (IS-PR 487)	71.7	93.3	80.0	66.7	4.3	5.7	7.0	5.3	6.3	4.0	4.7	5.3
JR-192	81.7	94.7	80.0	73.3	4.3	5.7	7.0	5.3	6.0	4.3	4.7	5.3
PLAYOFF 2 (P02)	76.7	94.3	73.3	71.7	4.7	5.0	5.3	6.0	6.3	5.3	4.7	5.3
PPG-PR 136	76.7	96.3	81.7	71.7	4.7	5.3	5.0	5.0	6.7	5.3	5.0	5.3
PACIFIC GEM (PST-2MG7)	80.0	97.7	70.0	55.0	4.7	5.3	5.7	4.3	7.3	5.7	4.3	5.3
BAR LP 10969	63.3	94.7	76.7	73.3	5.3	5.7	5.3	5.3	6.3	4.0	4.7	5.2
GO-DHS	71.7	94.7	76.7	76.7	5.3	5.3	4.3	4.3	6.7	5.0	5.3	5.2
GO-PR60	73.3	96.3	73.3	66.7	5.0	5.0	4.7	5.0	7.3	4.7	5.0	5.2
RIPTIDE (IS-PR 409)	65.0	91.7	76.7	60.0	5.0	6.0	6.7	4.3	5.3	4.7	4.3	5.2
BANFIELD (IS-PR 491)	76.7	93.3	71.7	66.7	6.3	6.0	6.3	5.0	5.3	3.3	4.3	5.2
PALMER V	76.7	95.0	63.3	53.3	4.3	5.7	5.7	5.3	6.3	5.3	4.0	5.2
METOLIUS (PPG-PR 165)	73.3	94.7	78.3	68.3	5.0	5.3	5.7	5.0	7.0	4.3	4.3	5.2
RIO VISTA	83.3	93.0	66.7	63.3	6.0	5.7	6.0	5.3	5.7	4.0	4.0	5.2
ASP 0112 (A-35)	75.0	94.7	63.3	51.7	5.7	5.7	5.3	5.0	6.3	3.7	4.0	5.1
JR-178	76.7	91.0	66.7	46.7	4.3	5.3	6.3	6.0	6.3	3.7	3.7	5.1
PIZZAZZ 2 GLR (PR 909)	73.3	88.3	76.7	56.7	5.0	5.7	6.3	6.0	5.0	3.7	4.0	5.1
PPG-PR 142	76.7	93.3	90.0	83.3	4.0	5.0	4.7	4.7	5.7	6.0	5.7	5.1
PILLAR (CST)	75.0	92.7	46.7	43.3	5.7	6.0	6.3	5.3	6.0	2.3	3.3	5.0
FIESTA 4	68.3	88.0	73.3	55.0	5.3	5.3	5.3	5.3	6.0	4.0	4.0	5.0
THRIVE (IS-PR 469)	76.7	93.3	73.3	68.3	4.7	5.0	5.3	5.0	6.0	4.7	4.3	5.0
HANCOCK (IS-PR 479)	75.0	90.0	81.7	73.3	5.3	5.7	5.0	4.0	5.3	4.3	5.3	5.0
MONSIEUR (IS-PR 488)	76.7	92.7	75.0	56.7	4.7	5.3	6.0	5.7	6.7	3.3	3.7	5.0
BONNEVILLE	73.3	91.7	75.0	68.3	4.7	5.0	5.3	5.0	5.7	4.3	4.3	4.9
BANDALORE (IS-PR 463)	70.0	86.3	68.3	61.7	4.7	5.7	6.7	5.0	5.0	3.0	4.0	4.9
ASPAIRE (IS-PR 489)	76.7	91.3	80.0	73.3	4.7	5.3	5.7	4.7	5.3	4.0	4.3	4.9
VINTAGE (ISG-36)	71.7	90.0	68.3	53.3	4.7	5.0	4.7	4.0	7.0	5.0	4.0	4.9
RAD-PR55R	68.3	76.7	68.3	68.3	5.3	5.0	4.3	4.7	6.0	4.3	4.7	4.9
SOX FAN (GM3)	83.3	93.3	68.3	53.3	4.3	5.7	6.7	5.3	5.7	3.3	3.3	4.9
PINNACLE	63.3	93.0	65.0	51.7	5.3	5.3	5.0	5.0	5.3	3.7	3.7	4.8
ALLANTE	68.3	89.7	63.3	53.3	4.3	5.0	6.0	5.0	5.0	3.7	4.0	4.7
DLF LGD-3026	66.7	93.3	61.7	36.7	5.0	5.3	5.3	4.7	5.3	4.0	3.3	4.7
DLF LGT 4182	61.7	89.7	51.7	51.7	5.7	5.3	4.3	4.3	6.0	3.7	3.3	4.7
LTP-RAE	75.0	90.0	56.7	43.3	4.3	5.3	6.0	5.0	5.0	2.7	3.7	4.6
PSRX-4CAGL	70.0	85.0	86.7	75.0	4.7	5.0	4.0	4.3	4.7	5.0	4.7	4.6
INSIGHT	71.7	81.7	61.7	40.0	4.7	5.0	5.3	4.7	4.7	3.7	3.3	4.5
MACH I	66.7	90.0	68.3	38.3	4.7	5.0	4.3	4.3	5.3	2.7	3.3	4.2
SIENNA	76.7	76.7	50.0	43.3	4.3	5.7	6.3	3.7	3.7	2.7	3.0	4.2
LINN	50.0	60.0	48.3	36.7	3.3	4.0	4.0	2.3	3.0	1.7	2.3	3.0
LSD VALUE	25.8	11.2	44.3	40.5	5.1	2.3	2.1	2.3	2.9	2.2	3.0	1.1
C.V. (%)	12.1	6.5	19.4	25.6	22.9	12.5	17.8	18.6	19.1	24.6	24.8	10.9

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.

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP

TABLE 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG (TRAFFIC STUDY), VA 1/
2013 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS							MEAN
	APR	MAY	JUN	JUL	AUG	OCT	NOV	
PST-PARKSIDE (PST-2NJK)	6.7	6.7	8.0	5.7	6.7	6.3	6.0	6.6
SALINAS II (PST-204D)	7.0	6.0	7.3	7.7	7.0	5.3	5.0	6.5
PACIFIC GEM (PST-2MG7)	6.3	6.0	7.7	6.3	6.0	6.3	6.0	6.4
APR 2445	6.7	6.0	8.3	7.0	6.7	4.7	4.7	6.3
EVOLUTION (S85)	6.0	6.7	6.7	7.7	6.7	5.7	4.3	6.2
BRIGHTSTAR SLT	6.7	5.7	7.7	7.3	6.0	4.7	4.7	6.1
DOMINATOR (PST-2AG4)	6.0	5.3	7.3	7.3	6.3	5.7	5.0	6.1
GRAND SLAM GLD (PPG-PR 164)	5.0	6.7	5.3	5.0	5.7	7.7	7.3	6.1
PANGEA GLR (CL 11701)	6.3	6.3	5.7	7.0	6.7	5.3	5.3	6.1
BENCHMARK (PST-2BNS)	7.0	5.7	8.0	7.3	6.7	4.3	4.0	6.1
PST-2DR9	6.7	6.3	8.3	6.7	6.0	4.7	4.3	6.1
PST-2NKM	5.7	6.7	8.3	7.3	4.7	5.3	5.0	6.1
SUNSTREAKER (APR 2036)	6.0	5.7	6.3	6.3	7.0	5.3	5.7	6.0
CS-PR66	6.7	6.3	7.3	6.3	5.7	5.0	4.7	6.0
DLF LGT 4182	7.3	6.0	6.7	6.0	6.0	5.3	5.0	6.0
GO-PR60	6.0	6.3	6.7	6.0	6.7	5.3	5.3	6.0
PISTOL (PST-2ACR)	6.3	6.7	7.0	7.0	6.0	4.3	4.7	6.0
SIDEWAYS (PSRX-S84)	6.0	6.3	7.3	6.3	6.7	4.7	4.3	6.0
UNO	5.3	6.3	6.7	6.0	6.3	5.7	6.0	6.0
WICKED (SRX-4RHD)	5.7	6.7	7.3	7.7	6.0	4.7	4.3	6.0
APR 2320	6.3	6.7	7.3	7.0	5.3	4.0	4.3	5.9
PINNACLE III (BAR LP 10970)	6.7	6.3	7.0	7.0	6.0	4.0	4.0	5.9
BAR LP 10972	5.7	5.7	6.3	6.0	7.3	5.0	5.0	5.9
VISION (CL 11601)	6.3	4.3	6.0	6.3	6.0	6.0	6.3	5.9
DLF LGD-3022	6.3	5.3	7.0	6.3	6.0	5.0	5.0	5.9
MONSIEUR (IS-PR 488)	6.7	5.3	7.7	6.3	7.0	4.3	3.7	5.9
KARMA (PICK 10401)	6.3	5.3	6.3	6.0	5.3	6.3	5.3	5.9
PALMER V	6.0	6.7	6.0	5.7	7.0	5.0	5.0	5.9
PPG-PR 136	5.3	5.7	6.3	5.7	6.0	6.0	6.3	5.9
SR4660ST (SRX-4MSH)	5.0	6.3	8.0	7.0	6.0	4.7	4.0	5.9
EXPEDITE (CL 307)	5.3	6.3	6.3	5.3	5.7	5.7	6.0	5.8
FIESTA 4	5.0	5.7	7.3	6.7	6.7	4.7	4.3	5.8
GO-DHS	5.7	5.3	6.0	5.0	5.7	6.3	6.3	5.8
HAVEN (APR 2038)	6.7	6.3	7.3	6.3	4.7	4.7	4.3	5.8
RAD-PR55R	6.0	5.0	7.0	6.0	6.3	5.3	4.7	5.8
THRIVE (IS-PR 469)	5.7	6.0	6.7	5.7	6.0	5.3	5.3	5.8
LTP-PR 135	5.7	5.7	6.0	5.0	6.3	5.7	5.7	5.7
PLAYOFF 2 (P02)	6.0	5.0	6.7	6.7	5.7	5.0	4.7	5.7
METOLIUS (PPG-PR 165)	5.3	6.0	5.3	5.7	5.7	6.0	5.7	5.7
RAINWATER (PST-2TQL)	5.7	5.7	7.3	7.0	5.3	4.3	4.7	5.7
SR 4650 (PSRX-3701)	6.0	6.0	6.7	8.0	5.0	4.3	3.7	5.7
BAR LP 10969	5.7	6.3	6.0	6.3	6.0	4.0	5.0	5.6
EXCELLENCE (ISG-31)	6.3	4.3	6.7	5.7	5.3	5.7	5.3	5.6
GO-G37	5.7	5.3	7.0	5.3	5.3	5.0	5.3	5.6
PRX-4GM1	6.0	5.7	6.0	6.0	5.3	5.0	5.0	5.6
SEDUCTIVE (ISG-30)	6.0	6.0	7.0	6.3	5.3	4.7	3.7	5.6
STELLAR 3GL (PPG-PR 134)	6.0	7.0	6.3	6.3	5.3	4.3	4.0	5.6

TABLE 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG (TRAFFIC STUDY), VA 1/
2013 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	APR	MAY	JUN	QUALITY RATINGS		OCT	NOV	MEAN
				JUL	AUG			
APPLE SGL (PPG-PR 140)	4.7	6.7	6.3	6.3	5.7	4.7	4.0	5.5
FASTBALL RGL (PPG-PR 133)	6.0	6.3	7.0	5.7	6.0	4.3	3.3	5.5
RIPTIDE (IS-PR 409)	6.3	6.3	6.0	5.5	6.3	4.0	3.7	5.5
MANHATTAN 6 GLR (PST-2MAGS)	5.7	5.7	6.3	6.0	4.3	5.3	5.0	5.5
PREMIUM (PPG-PR 137)	6.0	6.0	6.0	5.3	6.3	5.0	4.0	5.5
PST-2K9	6.0	6.3	8.3	6.3	5.0	3.7	3.0	5.5
SOX FAN (GM3)	5.7	6.0	7.0	5.7	6.3	3.7	4.3	5.5
ASP 0112 (A-35)	6.0	4.7	6.7	6.7	6.0	3.7	4.3	5.4
HANCOCK (IS-PR 479)	7.0	5.3	7.0	5.7	5.7	3.3	3.7	5.4
DILIGENT (IS-PR 492)	6.0	6.3	7.0	7.0	4.3	3.7	3.3	5.4
JR-178	6.7	5.7	7.0	6.3	4.7	3.7	3.7	5.4
PEPPER (RAD-PR62)	5.7	6.7	6.7	5.0	5.0	4.7	4.0	5.4
STAMINA (IS-PR 487)	6.0	6.0	7.7	7.3	4.7	2.7	3.3	5.4
AMAZING A+ (PPG-PR 138)	5.7	5.7	6.3	5.7	6.0	4.3	3.7	5.3
DLF LGD-3026	5.7	5.3	5.7	4.7	6.0	5.0	5.0	5.3
PPG-PR 128	5.7	5.3	5.3	4.7	6.0	5.0	5.0	5.3
PROVOST (PPG-PR 143)	5.3	5.7	4.3	5.3	6.3	5.3	5.0	5.3
BANDALORE (IS-PR 463)	5.7	5.3	6.0	6.0	5.3	4.0	4.0	5.2
BAR LP 7608	6.3	6.0	6.0	5.7	5.0	4.0	3.7	5.2
GREEN SUPREME (PPG-PR 121)	5.7	5.7	5.0	5.0	5.7	5.0	4.3	5.2
PICK 4DFHM	5.3	5.0	6.0	6.3	5.7	4.3	4.0	5.2
PINNACLE	5.7	6.3	6.0	5.0	5.0	4.7	4.0	5.2
BANFIELD (IS-PR 489)	6.3	5.0	6.3	6.3	5.0	3.7	3.3	5.1
JR-192	5.7	5.7	7.0	7.3	3.7	3.3	3.3	5.1
LTP-RAE	6.0	4.7	6.3	5.7	5.3	3.7	4.3	5.1
PIZZAZZ 2 GLR (PR 909)	6.0	4.7	5.3	5.7	6.0	4.3	4.0	5.1
RINOVO	6.7	4.3	6.3	6.3	4.7	4.3	3.3	5.1
VINTAGE (ISG-36)	6.3	5.0	6.3	5.0	4.7	4.3	4.3	5.1
BONNEVILLE	5.3	5.0	5.7	6.3	4.7	4.3	4.0	5.0
MACH I	6.7	5.0	5.7	4.7	4.3	5.3	3.7	5.0
OCTANE	5.0	6.0	6.0	6.0	4.7	3.7	3.3	5.0
PILLAR (CST)	5.7	4.7	5.7	6.3	5.3	3.7	3.3	5.0
PPG-PR 142	5.0	5.7	5.0	5.7	5.0	5.0	4.0	5.0
PSRX-4CAGL	6.7	5.0	5.0	5.3	4.7	4.3	4.0	5.0
RIO VISTA	5.3	4.7	5.3	6.0	5.0	4.0	3.7	4.9
ASPIRE (IS-PR 491)	5.7	4.3	6.7	7.3	3.3	3.0	3.0	4.8
PROMINENT (CS-20)	5.3	4.3	5.7	5.0	5.3	3.7	4.0	4.8
ALLANTE	5.3	5.7	6.3	4.3	5.3	2.7	3.0	4.7
INSIGHT	5.0	4.3	4.7	4.3	5.0	3.0	3.7	4.3
SIENNA	6.0	5.0	4.7	4.7	3.3	2.0	2.3	4.0
LINN	3.7	3.3	3.7	4.0	3.7	3.0	2.3	3.4
LSD VALUE	1.9	4.0	4.2	2.8	4.7	4.6	3.7	1.1
C.V. (%)	13.5	20.4	21.8	19.4	24.1	31.6	30.9	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.

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 21. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG (TRAFFIC STUDY), VA 1/
 2013 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY 2-WKS (NOV) AFTER TRAFFIC	INITIAL % GREEN APR	INITIAL % BARE APR	BEFORE TRAFFIC % GREEN AUG	% STRAW AUG	MID-SEASON TRAFFIC % GREEN OCT	% STRAW OCT	END OF TRAFFIC IN EARLY NOVEMBER % GREEN	% STRAW	2-WKS POST TRAFFIC IN MID-NOVEMBER % GREEN	% STRAW
PST-PARKSIDE (PST-2NJK)	5.7	80.0	20.0	99	0.0	68.3	31.7	73.3	26.7	56.7	43.3
SALINAS II (PST-204D)	5.3	85.0	15.0	96	3.3	61.7	38.3	55.0	45.0	55.0	45.0
PACIFIC GEM (PST-2MG7)	6.0	81.7	18.3	99	0.0	71.7	28.3	66.7	33.3	71.7	28.3
APR 2445	5.0	88.3	11.7	99	0.0	58.3	41.7	48.3	51.7	43.3	56.7
EVOLUTION (S85)	5.0	81.7	18.3	96	3.3	58.3	41.7	50.0	50.0	58.3	41.7
BRIGHTSTAR SLT	4.7	88.3	11.7	96	3.3	51.7	48.3	51.7	48.3	58.3	41.7
DOMINATOR (PST-2AG4)	6.0	91.7	8.3	99	0.0	63.3	36.7	60.0	40.0	63.3	36.7
GRAND SLAM GLD (PPG-PR 164)	6.7	88.3	11.7	99	0.0	66.7	33.3	73.3	26.7	78.3	21.7
PANGEA GLR (CL 11701)	5.0	83.3	16.7	96	3.3	66.7	33.3	48.3	51.7	63.3	36.7
BENCHMARK (PST-2BNS)	4.7	85.0	15.0	99	0.0	46.7	53.3	51.7	48.3	48.3	51.7
PST-2DR9	4.3	86.7	13.3	96	3.3	55.0	45.0	53.3	46.7	50.0	50.0
PST-2NKM	5.3	86.7	13.3	96	3.3	65.0	35.0	63.3	36.7	61.7	38.3
SUNSTREAKER (APR 2036)	6.0	88.3	11.7	99	0.0	61.7	38.3	61.7	38.3	58.3	41.7
CS-PR66	4.7	78.3	21.7	99	0.0	55.0	45.0	51.7	48.3	56.7	43.3
DLF LGT 4182	5.3	71.7	28.3	99	0.0	66.7	33.3	53.3	46.7	55.0	45.0
GO-PR60	5.0	90.0	10.0	99	0.0	56.7	43.3	58.3	41.7	58.3	41.7
PISTOL (PST-2ACR)	4.7	85.0	15.0	96	3.3	53.3	46.7	53.3	46.7	55.0	45.0
SIDEWAYS (PSRX-S84)	4.0	85.0	15.0	99	0.0	53.3	46.7	45.0	55.0	48.3	51.7
UNO	6.3	75.0	25.0	99	0.0	61.7	38.3	66.7	33.3	61.7	38.3
WICKED (SRX-4RHD)	4.0	80.0	20.0	99	0.0	48.3	51.7	46.7	53.3	45.0	55.0
APR 2320	4.3	90.0	10.0	93	6.7	70.0	30.0	45.0	55.0	46.7	53.3
PINNACLE III (BAR LP 10970)	4.3	86.7	13.3	99	0.0	50.0	50.0	45.0	55.0	50.0	50.0
BAR LP 10972	4.3	90.0	10.0	99	0.0	50.0	50.0	55.0	45.0	53.3	46.7
VISION (CL 11601)	6.3	88.3	11.7	96	3.3	66.3	33.3	63.3	36.7	61.7	38.3
DLF LGD-3022	5.3	76.7	23.3	99	0.0	61.7	38.3	53.3	46.7	50.0	50.0
MONSIEUR (IS-PR 488)	3.3	78.3	21.7	96	3.3	45.0	55.0	45.0	55.0	41.7	58.3
KARMA (PICK 10401)	5.3	75.0	25.0	96	3.3	66.7	33.3	60.0	40.0	58.3	41.7
PALMER V	5.0	85.0	15.0	99	0.0	55.0	45.0	63.3	36.7	56.7	43.3
PPG-PR 136	6.3	78.3	21.7	99	0.0	68.3	31.7	68.3	31.7	75.0	25.0
SR4660ST (SRX-4MSH)	4.3	86.7	13.3	99	0.0	55.0	45.0	48.3	51.7	53.3	46.7
EXPEDITE (CL 307)	6.3	86.7	13.3	96	3.3	65.0	35.0	63.3	36.7	70.0	30.0
FIESTA 4	5.3	73.3	26.7	99	0.0	53.3	46.7	50.0	50.0	53.3	46.7
GO-DHS	5.7	81.7	18.3	99	0.0	68.3	31.7	70.0	30.0	75.0	25.0
HAVEN (APR 2038)	5.0	83.3	16.7	93	6.7	48.3	51.7	55.0	45.0	51.7	48.3
RAD-PR55R	5.3	73.3	26.7	96	3.3	61.7	38.3	50.0	50.0	58.3	41.7
THRIVE (IS-PR 469)	5.3	80.0	20.0	96	3.3	60.0	40.0	66.7	33.3	60.0	40.0
LTP-PR 135	5.7	81.7	18.3	96	3.3	60.0	40.0	66.7	33.3	60.0	40.0
PLAYOFF 2 (P02)	4.3	83.3	16.7	96	3.3	55.0	45.0	51.7	48.3	46.7	53.3
METOLIUS (PPG-PR 165)	5.7	80.0	20.0	96	3.3	65.0	35.0	61.7	38.3	68.3	31.7
RAINWATER (PST-2TQL)	4.3	83.3	16.7	96	3.3	50.0	50.0	45.0	55.0	46.7	53.3
SR 4650 (PSRX-3701)	4.0	70.0	30.0	96	3.3	33.3	66.7	36.7	63.3	48.3	51.7
BAR LP 10969	4.7	76.7	23.3	96	3.3	55.0	45.0	56.7	43.3	56.7	43.3
EXCELLENCE (ISG-31)	4.7	91.7	8.3	99	0.0	55.0	45.0	53.3	46.7	53.3	46.7
GO-G37	6.0	81.7	18.3	99	0.0	56.7	43.3	61.7	38.3	61.7	38.3
PRX-4GM1	5.0	90.0	10.0	99	0.0	53.3	46.7	51.7	48.3	53.3	46.7
SEDUCTIVE (ISG-30)	5.3	78.3	21.7	96	3.3	55.0	45.0	41.7	58.3	50.0	50.0
STELLAR 3GL (PPG-PR 134)	4.7	93.3	6.7	96	3.3	50.0	50.0	48.3	51.7	50.0	50.0

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 21. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG (TRAFFIC STUDY), VA 1/
 2013 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY 2-WKS (NOV) AFTER TRAFFIC	INITIAL % GREEN APR	INITIAL % BARE APR	BEFORE TRAFFIC % GREEN AUG	TRAFFIC % STRAW AUG	MID-SEASON % GREEN OCT	TRAFFIC % STRAW OCT	END OF IN EARLY % GREEN	TRAFFIC NOVEMBER % STRAW	2-WKS POST IN MID-NOVEMBER % GREEN	TRAFFIC % STRAW
APPLE SGL (PPG-PR 140)	5.0	81.7	18.3	96.0	3.3	51.7	48.3	46.7	53.3	50.0	50.0
FASTBALL RGL (PPG-PR 133)	4.0	90.0	10.0	99.0	0.0	46.7	53.3	38.3	61.7	45.0	55.0
RIPTIDE (IS-PR 409)	4.0	80.0	20.0	99.0	0.0	40.0	60.0	38.3	61.7	40.0	60.0
MANHATTAN 6 GLR (PST-2MAGS)	5.7	93.3	6.7	93.0	6.7	56.7	43.3	56.7	43.3	56.7	43.3
PREMIUM (PPG-PR 137)	5.0	86.7	13.3	96.0	3.3	53.3	46.7	41.7	58.3	60.0	40.0
PST-2K9	3.3	83.3	16.7	96.0	3.3	40.0	60.0	30.0	70.0	40.0	60.0
SOX FAN (GM3)	4.3	83.3	16.7	99.0	0.0	48.3	51.7	51.7	48.3	46.7	53.3
ASP 0112 (A-35)	4.0	70.0	30.0	96.0	3.3	50.0	50.0	53.3	46.7	43.3	56.7
HANCOCK (IS-PR 479)	3.3	86.7	13.3	99.0	0.0	35.0	65.0	38.3	61.7	46.7	53.3
DILIGENT (IS-PR 492)	3.3	83.3	16.7	96.0	3.3	41.7	58.3	38.3	61.7	40.0	60.0
JR-178	3.7	76.7	23.3	96.0	3.3	45.0	55.0	36.7	63.3	36.7	63.3
PEPPER (RAD-PR62)	4.0	76.7	23.3	93.0	6.7	60.0	40.0	41.7	58.3	50.0	50.0
STAMINA (IS-PR 487)	3.7	78.3	21.7	96.0	3.3	36.7	63.3	30.0	70.0	40.0	60.0
AMAZING A+ (PPG-PR 138)	4.3	81.7	18.3	96.0	3.3	46.7	53.3	35.0	65.0	48.3	51.7
DLF LGD-3026	5.7	63.3	36.7	93.0	6.7	58.3	41.7	53.3	46.7	53.3	46.7
PPG-PR 128	4.7	68.3	31.7	96.0	3.3	58.3	41.7	55.0	45.0	53.3	46.7
PROVOST (PPG-PR 143)	6.0	85.0	15.0	99.0	0.0	61.7	38.3	53.3	46.7	55.0	45.0
BANDALORE (IS-PR 463)	4.0	76.7	23.3	96.0	3.3	50.0	50.0	43.3	56.7	40.0	60.0
BAR LP 7608	4.0	81.7	18.3	93.0	6.7	40.0	60.0	38.3	61.7	45.0	55.0
GREEN SUPREME (PPG-PR 121)	3.7	90.0	10.0	93.0	6.7	48.3	51.7	53.3	46.7	50.0	50.0
PICK 4DFHM	5.3	85.0	15.0	99.0	0.0	48.3	51.7	53.3	46.7	55.0	45.0
PINNACLE	5.0	68.3	31.7	96.0	3.3	53.3	46.7	51.7	48.3	51.7	48.3
BANFIELD (IS-PR 489)	3.7	81.7	18.3	93.0	6.7	50.0	50.0	40.0	60.0	40.0	60.0
JR-192	3.3	85.0	15.0	90.0	10.0	41.7	58.3	35.0	65.0	36.7	63.3
LTP-RAE	4.3	70.0	30.0	96.0	3.3	43.3	56.7	46.7	53.3	46.7	53.3
PIZZAZZ 2 GLR (PR 909)	4.3	73.3	26.7	96.0	3.3	55.0	45.0	48.3	51.7	51.7	48.3
RINOVO	4.7	83.3	16.7	93.0	6.7	48.3	51.7	43.3	56.7	48.3	51.7
VINTAGE (ISG-36)	5.0	76.7	23.3	96.0	3.3	50.0	50.0	50.0	50.0	50.0	50.0
BONNEVILLE	4.0	75.0	25.0	93.0	6.7	46.7	53.3	41.7	58.3	45.0	55.0
MACH I	4.7	66.7	33.3	99.0	0.0	50.0	50.0	40.0	60.0	50.0	50.0
OCTANE	4.0	88.3	11.7	93.0	6.7	45.0	55.0	36.7	63.3	41.7	58.3
PILLAR (CST)	3.3	56.7	43.3	96.0	3.3	43.3	56.7	38.3	61.7	38.3	61.7
PPG-PR 142	5.3	81.7	18.3	96.0	3.3	63.3	36.7	48.3	51.7	56.7	43.3
PSRX-4CAGL	5.0	85.0	15.0	96.0	3.3	48.3	51.7	38.3	61.7	58.3	41.7
RIO VISTA	3.3	80.0	20.0	93.0	6.7	50.0	50.0	40.0	60.0	48.3	51.7
ASPIRE (IS-PR 491)	3.0	75.0	25.0	93.0	6.7	40.0	60.0	28.3	71.7	33.3	66.7
PROMINENT (CS-20)	4.0	85.0	15.0	99.0	0.0	40.0	60.0	43.3	56.7	45.0	55.0
ALLANTE	2.7	76.7	23.3	99.0	0.0	25.0	75.0	31.7	68.3	31.7	68.3
INSIGHT	3.0	76.7	23.3	93.0	6.7	33.3	66.7	35.0	65.0	38.3	61.7
SIENNA	2.3	66.7	33.3	90.0	10.0	18.3	81.7	21.7	78.3	26.7	73.3
LINN	2.7	56.7	43.3	99.0	0.0	33.3	66.7	31.7	68.3	28.3	71.7
LSD VALUE	6.5	24.9	24.9	11.2	12.4	51.1	51.2	40.6	40.6	42.3	42.3
C.V. (%)	34.8	12.8	54.0	3.7	146.4	30.5	33.7	31.7	30.6	28.7	30.3

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.

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
TABLE 22. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT MADISON (TRAFFIC STUDY), WI 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT GREEN COVER			PERCENT BARE SOIL			QUALITY RATINGS						
	AUGUST	OCTOBER	NOVEMBER	AUGUST	OCTOBER	NOVEMBER	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
JR-178	83.3	97.7	90.0	4.3	1.7	3.0	6.0	5.7	4.0	6.3	6.3	6.0	5.7
PREMIUM (PPG-PR 137)	90.0	93.0	90.0	1.7	5.0	3.0	6.0	5.3	3.7	5.7	6.7	6.0	5.6
SR 4650 (PSRX-3701)	83.3	97.7	86.7	4.0	1.7	5.0	5.3	5.7	4.0	6.0	6.7	5.7	5.6
STAMINA (IS-PR 487)	86.7	97.7	88.3	3.0	1.7	2.0	5.7	5.3	3.3	6.0	6.0	6.0	5.4
PROVOST (PPG-PR 143)	80.0	97.7	88.3	4.7	0.0	4.0	5.3	5.3	4.3	5.7	6.0	6.0	5.4
PINNACLE III (BAR LP 10970)	78.3	91.3	85.0	5.0	3.3	4.0	5.7	5.7	3.3	5.3	6.0	5.7	5.3
FASTBALL RGL (PPG-PR 133)	83.3	96.3	91.7	3.0	3.3	4.0	5.3	5.7	2.7	6.0	6.3	5.7	5.3
GRAND SLAM GLD (PPG-PR 164)	80.0	94.7	85.0	2.7	1.7	4.0	4.7	5.0	4.0	5.7	6.7	5.7	5.3
SIDEWAYS (PSRX-S84)	83.3	91.7	91.7	2.0	3.3	3.0	5.0	5.0	3.7	5.7	6.3	6.0	5.3
UNO	83.3	93.3	88.3	1.7	3.3	5.7	5.3	5.3	3.7	5.7	6.7	5.3	5.3
ASPAIRE (IS-PR 489)	83.3	96.3	93.3	4.0	3.3	3.0	5.0	5.7	3.0	6.0	6.0	5.7	5.2
JR-192	78.3	93.0	88.3	1.7	5.0	3.0	5.7	5.3	3.0	5.7	6.3	5.3	5.2
KARMA (PICK 10401)	86.7	97.7	88.3	2.7	0.0	5.0	5.0	6.0	3.0	6.3	5.7	5.0	5.2
LTP-PR 135	83.3	93.7	81.7	2.7	3.3	6.7	5.3	5.3	3.3	6.0	6.0	5.0	5.2
LTP-RAE	81.7	96.0	86.7	4.0	1.7	6.7	4.7	5.3	3.7	6.0	6.3	5.0	5.2
PANGAEA GLR (CL 11701)	76.7	94.7	91.7	5.7	5.0	4.0	5.7	5.3	2.7	5.3	6.0	6.0	5.2
PPG-PR 136	85.0	93.3	86.7	2.7	3.3	3.0	5.0	5.7	3.0	6.7	6.0	4.7	5.2
AMAZING A+ (PPG-PR 138)	83.3	97.7	88.3	3.0	0.0	4.0	5.7	5.3	4.0	5.0	5.3	5.7	5.2
METOLIUS (PPG-PR 165)	83.3	94.7	88.3	4.0	1.7	4.0	5.0	5.3	3.3	5.7	6.7	5.3	5.2
BAR LP 10972	81.7	93.0	88.3	9.0	3.3	5.0	4.7	5.7	3.7	6.0	5.7	5.0	5.1
THRIVE (IS-PR 469)	78.3	96.3	91.7	5.0	0.0	4.0	5.0	5.3	3.7	5.3	6.0	5.3	5.1
PLAYOFF 2 (P02)	86.7	96.3	88.3	4.0	1.7	5.7	4.7	5.0	3.7	6.0	6.0	5.3	5.1
APPLE SGL (PPG-PR 140)	76.7	96.3	80.0	10.0	3.3	5.0	5.0	5.0	4.0	5.0	6.0	5.3	5.1
PST-2NKM	86.7	93.3	88.3	3.0	1.7	4.0	5.3	6.0	2.7	6.0	5.7	5.0	5.1
WICKED (SRX-4RHD)	80.0	93.3	90.0	4.0	5.0	5.0	5.0	5.3	3.7	5.3	6.0	5.3	5.1
EXPEDITE (CL 307)	83.7	96.3	83.3	2.0	1.7	4.0	4.7	5.0	3.7	5.7	6.0	5.0	5.0
DLF LGD-3022	81.7	97.7	83.3	4.3	1.7	5.7	4.7	5.7	3.7	5.7	5.7	4.7	5.0
DLF LGD-3026	81.7	96.3	88.3	7.0	3.3	4.0	5.3	5.0	3.3	5.0	6.0	5.3	5.0
BANDALORE (IS-PR 463)	83.3	97.7	85.0	5.3	1.7	4.7	4.7	4.7	3.7	5.7	6.3	5.0	5.0
BENCHMARK (PST-2BNS)	81.7	96.3	93.3	5.3	1.7	3.0	4.7	4.7	3.3	5.7	5.7	6.0	5.0
PARKSIDE (PST-2NJK)	83.3	94.7	80.0	6.3	1.7	5.0	4.3	5.3	2.7	5.7	6.3	5.3	4.9
ALLANTE	80.0	93.3	86.7	5.7	3.3	5.7	5.0	5.3	3.3	5.3	5.7	4.7	4.9
BAR LP 10969	78.3	88.3	85.0	8.3	5.0	5.0	5.7	5.0	3.0	5.3	5.7	4.7	4.9
VISION (CL 11601)	83.3	97.7	93.3	4.0	1.7	4.0	4.7	5.0	3.3	5.0	6.3	5.3	4.9
PILLAR (CST)	80.0	94.7	86.7	4.7	1.7	6.7	5.0	5.7	3.0	4.7	6.3	5.0	4.9
EVOLUTION (S85)	81.7	92.7	86.7	5.3	3.3	5.7	4.7	5.3	3.0	5.3	6.0	5.0	4.9
MONSIEUR (IS-PR 488)	85.0	62.7	81.7	4.7	5.0	9.0	5.0	5.0	2.7	6.0	6.0	5.0	4.9
DILIGENT (IS-PR 492)	78.3	94.7	88.3	3.0	3.3	6.7	4.7	4.7	2.7	6.0	6.3	5.0	4.9
MANHATTAN 6 GLR (PST-2MAGS)	80.0	94.7	85.0	6.7	5.0	4.7	5.0	5.7	2.3	5.3	5.7	5.3	4.9
OCTANE	76.7	91.3	90.0	8.3	6.7	5.7	5.0	4.7	3.3	5.3	6.0	5.0	4.9
PIZZAZZ 2 GLR (PR 909)	85.0	93.3	90.0	2.3	6.7	2.0	5.0	4.7	3.3	5.7	6.0	5.0	4.9
PPG-PR 142	81.7	94.7	83.3	10.7	5.0	6.7	4.7	4.7	3.3	5.3	6.3	5.0	4.9
PRX-4GM1	81.7	96.3	93.3	5.7	3.3	3.0	5.3	5.3	2.7	4.7	5.7	5.7	4.9
PISTOL (PST-2ACR)	65.0	96.3	95.0	10.7	1.7	3.0	4.7	4.7	3.7	5.7	5.7	5.3	4.9
PST-2K9	80.0	91.3	90.0	3.0	3.3	4.7	4.7	5.0	3.0	5.7	5.7	5.3	4.9
BAR LP 7608	80.0	93.3	88.3	8.3	1.7	4.0	4.7	5.7	3.3	4.7	5.3	5.0	4.8
BRIGHTSTAR SLT	78.3	93.3	83.3	8.3	3.3	9.0	5.0	5.3	3.0	5.3	5.7	4.3	4.8

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP
 TABLE 22. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT MADISON (TRAFFIC STUDY), WI 1/
 2012 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT GREEN COVER			PERCENT BARE SOIL			QUALITY RATINGS						
	AUGUST	OCTOBER	NOVEMBER	AUGUST	OCTOBER	NOVEMBER	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
GO-PR60	83.3	93.0	83.3	3.0	3.3	4.7	5.0	4.7	3.3	5.7	6.0	4.3	4.8
GREEN SUPREME (PPG-PR 121)	85.0	93.3	80.0	2.7	5.0	6.7	4.7	4.3	3.3	5.0	6.3	5.3	4.8
PACIFIC GEM (PST-2MG7)	83.3	94.7	88.3	4.7	3.3	6.3	4.7	4.0	2.7	5.3	6.3	5.7	4.8
RAINWATER (PST-2TQL)	78.3	91.3	88.3	7.3	5.0	7.3	5.3	4.3	2.7	5.7	6.0	4.7	4.8
SR4660ST (SRX-4MSH)	78.3	96.3	90.0	5.0	1.7	2.0	5.3	4.3	2.3	5.7	5.7	5.7	4.8
BONNEVILLE	73.3	93.3	88.3	4.0	3.3	5.7	4.3	5.0	2.7	5.3	6.0	4.7	4.7
RIPTIDE (IS-PR 409)	78.3	95.0	85.0	5.7	3.3	7.3	4.7	5.3	3.0	5.0	5.7	4.7	4.7
BANFIELD (IS-PR 491)	78.3	93.0	90.0	8.3	3.3	4.0	4.7	5.0	2.7	6.0	5.3	4.7	4.7
RIO VISTA	76.7	97.7	91.7	8.3	5.0	5.7	5.0	4.7	3.0	5.0	5.7	4.7	4.7
SIENNA	76.7	93.3	86.7	5.0	5.0	8.3	4.7	4.0	3.7	5.3	5.3	5.0	4.7
SOX FAN (GM3)	76.7	90.0	88.3	8.3	3.3	3.0	4.3	4.7	3.0	5.0	5.7	5.3	4.7
SUNSTREAKER (APR 2036)	85.0	93.0	88.3	6.3	9.3	6.7	5.0	4.7	2.3	5.0	5.7	5.0	4.6
APR 2445	78.3	91.7	91.7	6.7	3.3	3.0	4.7	5.0	2.3	5.3	5.3	4.7	4.6
CS-PR66	78.3	88.3	91.7	7.3	1.7	4.0	5.7	4.7	2.3	4.7	5.3	5.0	4.6
INSIGHT	76.7	93.3	88.3	7.3	5.0	4.0	4.7	4.3	3.3	5.3	5.3	4.3	4.6
LINN	81.7	86.3	80.0	3.0	11.7	13.3	3.7	5.0	2.7	5.0	5.7	5.7	4.6
MACH I	83.3	90.0	86.7	5.7	3.3	5.0	5.0	4.0	3.0	5.7	5.7	4.3	4.6
PALMER V	81.7	93.3	93.3	5.7	3.3	4.0	4.7	5.0	2.7	4.7	5.7	5.0	4.6
STELLAR 3GL (PPG-PR 134)	73.3	96.3	85.0	6.3	1.7	6.7	4.7	4.7	2.3	5.7	5.7	4.7	4.6
APR 2320	73.3	88.3	86.7	3.0	5.0	7.3	5.3	4.3	2.3	4.3	5.7	4.3	4.4
DOMINATOR (PST-2AG4)	76.7	90.0	90.0	5.7	3.3	6.7	4.7	5.0	2.0	5.0	5.3	4.3	4.4
HAVEN (APR 2038)	71.7	88.3	86.7	5.7	5.0	5.7	5.3	4.7	2.3	4.3	5.0	4.7	4.4
HANCOCK (IS-PR 479)	80.0	90.0	91.7	5.0	5.0	4.0	4.7	4.7	2.7	5.0	5.3	4.0	4.4
EXCELLENCE (ISG-31)	76.7	91.3	91.7	4.7	3.3	5.0	5.0	5.0	2.7	4.0	5.7	4.3	4.4
PPG-PR 128	76.7	90.0	90.0	7.3	10.0	6.7	4.3	4.3	2.7	5.0	5.7	4.7	4.4
SALINAS II (PST-204D)	78.3	90.0	90.0	5.7	5.0	6.7	5.0	4.7	2.7	4.7	4.7	4.7	4.4
ASP 0112 (A-35)	78.3	88.3	86.7	5.7	3.3	6.7	5.3	4.3	2.0	4.0	5.7	4.7	4.3
PICK 4DFHM	80.0	90.0	93.3	7.3	3.3	4.0	5.3	4.0	2.0	4.0	5.3	5.0	4.3
FIESTA 4	80.0	90.0	86.7	7.3	3.3	7.3	4.3	4.0	3.3	4.7	5.0	4.0	4.2
PINNACLE	73.3	86.7	83.3	8.7	6.7	11.7	4.7	4.7	2.0	4.0	5.3	4.3	4.2
PSRX-4CAGL	78.3	90.0	86.7	10.0	5.0	8.3	5.3	4.7	2.0	3.7	4.7	4.7	4.2
PST-2DR9	81.7	93.0	86.7	4.7	1.7	6.7	4.3	4.7	2.0	4.7	5.0	4.7	4.2
RINOVO	76.7	88.3	85.0	5.7	6.7	8.3	5.3	4.7	2.0	4.3	5.0	3.7	4.2
PROMINENT (CS-20)	76.7	90.0	90.0	8.3	3.3	3.0	4.3	4.3	2.0	3.7	5.7	4.3	4.1
GO-G37	65.0	88.3	86.7	10.7	6.7	6.7	4.7	3.7	1.7	4.3	5.7	4.3	4.1
SEDUCTIVE (ISG-30)	70.0	86.3	75.0	5.7	5.0	14.0	4.3	4.0	2.3	4.3	5.7	3.7	4.1
PEPPER (RAD-PR62)	78.3	91.7	90.0	8.3	3.3	4.0	4.3	4.3	2.0	4.3	5.7	4.0	4.1
VINTAGE (ISG-36)	68.3	86.7	76.7	13.3	6.7	12.3	4.3	4.0	2.3	3.7	5.3	4.3	4.0
GO-DHS	75.0	91.7	91.7	11.7	5.0	6.7	4.7	4.0	2.3	3.7	4.7	4.3	3.9
RAD-PR55R	75.0	91.7	90.0	11.7	3.3	5.0	4.3	3.7	2.0	4.3	5.0	4.0	3.9
DLF LGT 4182	65.0	76.7	83.3	7.3	5.0	8.3	4.7	4.7	1.3	3.7	5.0	3.7	3.8
LSD VALUE	32.7	22.3	38.1	10.6	15.9	12.3	2.3	2.2	2.0	1.5	3.8	1.5	1.0
C.V. (%)	10.2	7.9	8.5	66.6	99.8	67.4	13.9	16.4	29.0	15.5	14.5	14.4	10.6

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 23. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT ADELPHIA (GRAY LEAF SPOT STUDY), NJ 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT ESTABLISH- MENT	GRAY LEAF SPOT SEP 2 51 DAYS	RATINGS SEP 22 71 DAYS	SEP	QUALITY OCT	RATINGS NOV	MEAN
SR 4650 (PSRX-3701)	91.7	8.7	8.0	7.7	7.7	8.3	7.9
KARMA (PICK 10401)	84.0	8.0	8.3	7.7	7.7	8.0	7.8
VISION (CL 11601)	77.3	8.0	7.0	6.7	7.7	8.3	7.6
PANGAEA GLR (CL 11701)	85.7	8.0	7.0	6.3	8.0	8.3	7.6
EXPEDITE (CL 307)	85.0	8.7	7.7	7.0	7.7	8.0	7.6
OCTANE	90.0	7.7	6.7	6.7	8.0	8.0	7.6
MONSIEUR (IS-PR 488)	85.0	7.3	7.0	6.7	8.0	7.3	7.3
JR-178	83.3	8.0	7.3	7.3	7.3	7.3	7.3
EVOLUTION (S85)	78.3	7.3	7.0	7.3	7.3	7.0	7.2
ASPIRE (IS-PR 489)	86.7	7.7	7.3	6.7	7.3	7.3	7.1
STELLAR 3GL (PPG-PR 134)	83.3	8.3	7.3	6.7	7.3	7.0	7.0
GRAND SLAM GLD (PPG-PR 164)	90.0	8.3	7.3	6.7	7.3	7.0	7.0
METOLIUS (PPG-PR 165)	86.7	7.7	7.3	6.3	7.3	7.3	7.0
BONNEVILLE	79.0	7.7	7.0	6.3	6.7	7.3	6.8
FASTBALL RGL (PPG-PR 133)	81.7	6.7	6.3	6.3	6.7	7.3	6.8
PIZZAZZ 2 GLR (PR 909)	84.7	8.0	6.7	6.0	7.0	7.3	6.8
GREEN SUPREME (PPG-PR 121)	90.7	7.7	7.0	6.3	6.7	7.0	6.7
PPG-PR 136	75.0	6.0	5.3	5.7	7.3	7.0	6.7
AMAZING A+ (PPG-PR 138)	92.3	7.3	6.0	6.0	7.7	6.3	6.7
SIDEWAYS (PSRX-S84)	92.3	8.3	7.7	6.7	6.7	6.7	6.7
PROVOST (PPG-PR 143)	90.0	7.3	6.3	6.0	7.0	6.7	6.6
THRIVE (IS-PR 469)	82.3	6.7	5.0	5.7	7.0	6.7	6.4
PREMIUM (PPG-PR 137)	86.7	7.3	7.3	5.7	6.7	7.0	6.4
DILIGENT (IS-PR 492)	76.7	7.0	6.0	6.0	6.3	6.7	6.3
PPG-PR 142	86.7	7.3	6.0	6.0	6.3	6.7	6.3
LTP-PR 135	73.3	7.7	6.3	6.3	6.0	6.3	6.2
LTP-RAE	83.3	7.3	6.3	6.7	5.7	6.3	6.2
APPLE SGL (PPG-PR 140)	85.0	6.3	6.3	5.7	6.3	6.3	6.1
RIO VISTA	75.0	7.0	6.0	5.3	6.0	7.0	6.1
RIPTIDE (IS-PR 409)	78.3	5.7	4.3	5.7	6.0	6.3	6.0
PPG-PR 128	85.0	6.3	6.0	5.0	6.3	6.7	6.0
MANHATTAN 6 GLR (PST-2MAGS)	75.0	6.7	5.7	5.3	6.0	6.0	5.8
WICKED (SRX-4RHD)	86.7	5.7	4.7	5.0	6.3	6.0	5.8
BANDALORE (IS-PR 463)	73.3	6.0	5.0	4.3	6.0	6.7	5.7
STAMINA (IS-PR 487)	86.7	5.7	6.0	5.3	6.0	5.7	5.7
PILLAR (CST)	76.7	6.7	5.3	5.0	5.3	6.3	5.6
SOX FAN (GM3)	86.7	7.0	5.0	5.0	5.3	6.3	5.6
BANFIELD (IS-PR 491)	80.0	7.0	4.7	4.7	5.7	5.7	5.3
PSRX-4CAGL	85.0	7.0	5.3	4.7	5.0	6.3	5.3
PRX-4GM1	83.3	7.3	6.0	4.7	5.0	6.0	5.2
BENCHMARK (PST-2BNS)	76.7	6.0	4.3	4.7	5.0	5.7	5.1
RINOVO	86.7	6.0	4.7	4.0	5.7	5.7	5.1
FIESTA 4	76.7	6.3	4.7	4.7	5.0	5.3	5.0
APR 2445	75.0	5.7	4.3	4.3	5.0	5.3	4.9
DLF LGD-3022	85.0	5.0	4.3	4.0	4.7	5.7	4.8
DLF LGD-3026	85.0	5.3	4.3	4.0	5.0	5.3	4.8
PALMER V	86.7	5.3	4.3	3.7	4.7	5.3	4.6

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP

TABLE 23. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) AT ADELPHIA (GRAY LEAF SPOT STUDY), NJ 1/
2011 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT ESTABLISH- MENT	GRAY LEAF SEP 2 51 DAYS	SPOT RATINGS SEP 22 71 DAYS	SEP	QUALITY OCT	RATINGS NOV	MEAN
PACIFIC GEM (PST-2MG7)	68.3	5.0	3.7	4.0	4.7	5.0	4.6
PARKSIDE (PST-2NJK)	83.3	5.3	3.7	4.0	4.3	5.0	4.4
PST-2NKM	83.3	6.0	4.0	4.0	4.3	4.7	4.3
SUNSTREAKER (APR 2036)	78.3	5.7	4.0	3.3	4.3	5.0	4.2
HAVEN (APR 2038)	86.7	5.0	4.3	3.7	4.7	4.3	4.2
SR4660ST (SRX-4MSH)	80.0	4.3	4.0	3.3	3.7	4.3	3.8
PISTOL (PST-2ACR)	75.0	4.7	3.0	2.7	3.7	4.7	3.7
UNO	76.7	4.0	3.0	3.0	3.7	4.0	3.6
PST-2DR9	71.7	4.0	2.7	3.3	3.3	3.7	3.4
PST-2K9	73.3	5.0	3.7	3.0	3.3	4.0	3.4
PICK 4DFHM	83.3	4.0	3.3	2.7	3.3	4.0	3.3
DOMINATOR (PST-2AG4)	68.3	4.0	3.0	3.0	3.0	3.0	3.0
HANCOCK (IS-PR 479)	78.3	3.7	2.3	2.0	2.7	3.7	2.8
PLAYOFF 2 (P02)	80.0	4.0	2.7	2.3	2.7	3.0	2.7
CS-PR66	71.7	3.7	2.3	2.0	2.7	3.0	2.6
GO-PR60	83.3	3.3	2.0	1.7	3.0	3.0	2.6
VINTAGE (ISG-36)	75.0	4.0	2.3	2.3	2.3	3.0	2.6
SALINAS II (PST-204D)	85.0	4.0	1.7	2.0	2.7	3.0	2.6
ASP 0112 (A-35)	66.7	3.7	1.7	1.7	2.7	3.0	2.4
PINNACLE III (BAR LP 10970)	81.7	3.0	2.0	2.0	2.7	2.7	2.4
RAD-PR55R	75.0	3.7	2.3	2.3	2.3	2.7	2.4
BAR LP 10969	81.7	3.0	1.7	1.7	2.0	3.0	2.2
EXCELLENCE (ISG-31)	76.7	3.3	2.0	2.0	2.0	2.7	2.2
RAINWATER (PST-2TQL)	75.0	3.7	1.7	2.0	2.0	2.7	2.2
PROMINENT (CS-20)	65.0	3.7	1.7	1.7	2.0	2.7	2.1
SEDUCTIVE (ISG-30)	71.7	3.0	1.0	1.3	2.3	2.7	2.1
SIENNA	76.7	3.0	2.3	2.0	2.0	2.3	2.1
ALLANTE	85.0	2.7	1.7	1.7	1.7	2.0	1.8
GO-G37	66.7	3.3	1.3	1.7	1.7	2.0	1.8
BAR LP 10972	66.7	2.7	1.3	1.7	1.3	2.0	1.7
INSIGHT	85.0	2.7	2.0	1.3	1.7	2.0	1.7
MACH I	85.7	3.0	1.3	1.3	1.3	2.3	1.7
DLF LGT 4182	65.0	2.7	1.3	1.3	1.7	1.7	1.6
BRIGHTSTAR SLT	73.3	3.0	1.7	1.3	1.0	2.0	1.4
GO-DHS	73.3	2.7	1.0	1.0	1.7	1.3	1.3
PEPPER (RAD-PR62)	63.3	1.7	1.0	1.0	1.0	2.0	1.3
BAR LP 7608	71.7	2.0	1.3	1.3	1.0	1.0	1.1
JR-192	68.3	2.0	1.0	1.0	1.0	1.3	1.1
PINNACLE	70.0	2.3	1.0	1.0	1.0	1.3	1.1
APR 2320	71.7	1.3	1.0	1.0	1.0	1.0	1.0
LINN	65.0	1.3	1.0	1.0	1.0	1.0	1.0
LSD VALUE	28.6	1.2	1.1	1.1	1.3	1.2	1.0
C.V. (%)	13.3	15.7	17.6	19.1	18.9	16.9	15.1

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

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

TABLE 24.

PERCENT COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
AT KINGSTON (SALT TOLERANCE IN GREENHOUSE), RI 2/
2011 DATA

NAME	PERCENT COVER FOR DIFFERENT SALT LEVELS (PPM)					ADJUSTED PERCENT COVER RATINGS FOR DIFFERENT SALT LEVELS (PPM)				
	5000 3/	7500	10000	12500	15000	7500 4/	10000	12500	15000	
MANHATTAN 6 GLR (PST-2MAGS)	95.0	99.0	89.5	79.5	66.0	104.3	94.3	83.8	69.3	
RINOVO	38.3	52.3	53.3	35.8	19.8	153.8	149.0	94.8	62.8	
GREEN SUPREME (PPG-PR 121)	82.3	88.8	84.3	66.0	41.3	109.0	102.3	80.5	50.0	
HANCOCK (IS-PR 479)	92.0	91.0	82.8	62.0	38.3	99.3	89.8	67.5	41.8	
PINNACLE	84.8	83.8	85.0	62.5	34.0	99.0	100.8	73.8	40.8	
PST-2NKM	85.0	87.3	77.8	55.0	32.8	103.8	90.8	62.8	37.3	
UNO	87.5	89.3	85.0	67.3	32.0	102.3	97.3	76.8	36.8	
PEPPER (RAD-PR62)	85.8	92.5	86.0	48.0	29.0	108.5	101.3	56.0	34.5	
BAR LP 7608	91.5	97.3	94.3	73.3	30.8	107.5	105.0	80.0	33.5	
BRIGHTSTAR SLT	88.8	81.0	75.0	56.8	30.5	91.5	84.0	63.0	33.5	
PICK 4DFHM	77.0	80.5	69.5	55.5	26.0	104.5	90.8	70.8	33.3	
EVOLUTION (S85)	81.5	72.0	71.8	40.3	25.3	89.8	90.8	52.0	32.8	
SR4660ST (SRX-4MSH)	40.5	54.3	44.0	31.0	15.0	156.8	125.5	72.5	32.8	
HAVEN (APR 2038)	72.8	78.5	70.5	48.5	23.5	107.3	97.0	67.3	32.5	
RIPTIDE (IS-PR 409)	74.5	80.0	68.3	37.0	23.5	107.8	91.5	49.0	32.0	
ASP 0112 (A-35)	77.8	82.5	77.3	63.0	24.5	106.3	99.5	81.0	31.5	
INSIGHT	53.0	60.5	59.0	45.5	16.5	118.0	114.8	87.8	31.3	
BONNEVILLE	84.3	82.0	83.5	55.3	26.5	98.0	99.8	66.3	31.0	
PLAYOFF 2 (P02)	92.3	90.5	91.0	67.8	28.3	98.0	98.5	73.0	30.8	
VINTAGE (ISG-36)	85.3	84.8	80.8	63.0	26.0	99.3	94.8	74.0	30.3	
PANGEA GLR (CL 11701)	78.0	87.5	88.3	50.3	21.8	113.3	116.0	66.8	30.0	
SR 4650 (PSRX-3701)	79.5	77.5	66.3	46.8	24.0	99.0	82.0	57.8	29.5	
PILLAR (CST)	90.5	89.0	90.8	68.3	26.3	98.5	100.5	75.5	29.3	
GO-G37	87.8	91.3	91.0	73.0	25.8	104.5	104.5	84.8	29.3	
PINNACLE III (BAR LP 10970)	80.5	75.5	62.8	52.8	24.0	94.8	78.0	65.0	27.8	
JR-178	84.0	78.3	73.0	55.3	23.8	93.0	86.5	65.3	27.5	
EXCELLENCE (ISG-31)	85.3	88.5	90.8	71.5	23.0	104.0	107.0	84.5	27.3	
AMAZING A+ (PPG-PR 138)	90.3	92.0	94.3	63.5	24.5	102.8	105.3	69.5	27.3	
PST-2K9	92.5	92.0	90.8	73.3	23.5	100.0	99.0	79.5	26.8	
OCTANE	44.8	45.0	31.0	22.8	10.8	103.3	73.3	54.3	26.5	
DLF LGT 4182	86.8	94.5	88.8	53.8	22.0	109.3	103.0	63.5	26.3	
THRIVE (IS-PR 469)	73.8	80.3	72.3	52.5	19.0	108.5	99.0	72.8	26.3	
PPG-PR 142	83.8	85.5	78.3	52.8	21.5	102.5	93.3	63.0	26.3	
PIZZAZZ 2 GLR (PR 909)	85.8	84.8	77.3	37.5	22.8	98.5	90.0	42.0	26.3	
APPLE SGL (PPG-PR 140)	79.3	86.3	85.8	52.0	20.5	109.0	108.3	65.0	25.8	
ASPIRE (IS-PR 489)	80.0	89.3	89.3	66.5	20.5	111.8	112.0	84.3	25.3	
BAR LP 10972	80.5	83.0	90.3	63.8	19.8	103.5	112.5	79.8	25.0	
PREMIUM (PPG-PR 137)	77.5	86.8	72.0	50.0	18.8	111.5	92.5	64.8	24.0	
DOMINATOR (PST-2AG4)	53.0	53.5	50.5	24.0	11.8	105.0	97.0	47.3	23.8	
APR 2445	91.3	86.8	81.3	61.3	21.5	95.3	89.3	67.3	23.3	
SIDEWAYS (PSRX-S84)	83.0	88.8	86.0	63.8	19.8	107.3	104.3	75.0	23.3	
GO-PR60	80.8	89.5	76.3	52.0	18.8	112.5	95.3	66.5	23.0	
STAMINA (IS-PR 487)	79.8	90.5	87.5	62.5	18.3	114.8	110.3	79.0	22.3	
FASTBALL RGL (PPG-PR 133)	85.3	88.0	75.0	49.0	18.8	103.8	87.0	56.5	21.3	
SEDUCTIVE (ISG-30)	60.3	70.0	62.0	27.0	14.5	119.5	108.3	45.0	20.3	
METOLIUS (PPG-PR 165)	45.0	42.8	38.3	20.0	7.0	104.0	95.0	48.3	20.3	
APR 2320	81.8	87.8	70.3	31.0	14.3	111.5	89.0	39.5	20.0	
DLF LGD-3022	75.0	81.3	66.8	50.8	14.5	110.5	90.8	67.0	20.0	
SUNSTREAKER (APR 2036)	89.0	88.3	86.8	64.8	17.8	100.3	99.3	73.3	19.8	
PRX-4GM1	75.0	66.0	55.5	34.8	15.5	87.5	72.5	44.3	19.0	
PSRX-4CAGL	74.3	72.5	55.0	30.3	15.0	97.8	69.3	35.0	18.0	
DLF LGD-3026	84.5	82.3	77.3	41.8	15.0	97.8	90.8	47.8	17.0	

TABLE 24.
(CONT'D)PERCENT COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
AT KINGSTON (SALT TOLERANCE IN GREENHOUSE), RI 2/
2011 DATA

NAME	PERCENT COVER FOR DIFFERENT SALT LEVELS (PPM)					ADJUSTED (RELATIVE) PERCENT COVER RATINGS FOR DIFFERENT SALT LEVELS (PPM)				
	5000 3/	7500	10000	12500	15000	7500 4/	10000	12500	15000	
PPG-PR 128	84.0	87.8	69.8	51.3	13.8	106.0	82.8	58.3	17.0	
RAD-PR55R	80.3	82.3	71.3	36.5	13.5	102.3	88.5	45.3	16.8	
CS-PR66	87.0	94.5	82.3	63.0	13.8	108.8	95.0	72.8	16.5	
SALINAS II (PST-204D)	66.8	63.3	65.3	25.0	8.8	98.5	103.8	43.3	16.5	
RIO VISTA	91.0	95.5	87.5	71.5	14.5	105.3	96.8	78.8	16.5	
SOX FAN (GM3)	85.3	87.5	65.8	32.8	13.5	104.0	77.0	39.3	15.8	
KARMA (PICK 10401)	75.5	87.3	67.8	48.8	12.0	117.0	90.5	64.8	15.5	
PPG-PR 136	91.5	90.5	93.0	71.8	14.3	98.5	101.5	78.3	15.3	
EXPEDITE (CL 307)	70.5	66.3	58.5	31.8	10.8	93.0	81.5	42.3	14.5	
PROMINENT (CS-20)	67.5	64.5	60.5	24.8	10.3	97.5	88.8	35.3	14.3	
BANFIELD (IS-PR 491)	86.0	89.5	78.3	36.5	10.8	103.5	90.5	42.5	13.0	
MONSIEUR (IS-PR 488)	67.0	65.8	51.5	20.5	8.0	97.8	77.0	30.0	11.8	
LINN	73.0	78.5	65.0	57.0	10.5	116.0	91.3	77.3	11.8	
VISION (CL 11601)	60.8	70.5	55.5	24.8	5.5	129.5	95.0	41.8	11.0	
LTP-PR 135	89.3	96.3	90.0	57.3	10.8	109.8	102.5	62.8	11.0	
BENCHMARK (PST-2BNS)	82.8	82.0	75.8	43.8	9.5	98.5	90.5	50.0	10.8	
WICKED (SRX-4RHD)	84.3	86.8	73.5	53.8	8.3	103.3	87.5	64.3	10.0	
ALLANTE	88.8	96.0	83.5	64.3	8.8	109.0	93.3	71.5	9.5	
JR-192	76.3	91.8	83.3	51.5	5.3	122.8	112.0	70.8	9.0	
BANDALORE (IS-PR 463)	68.5	66.3	55.5	26.8	6.5	101.5	84.3	36.8	8.8	
GRAND SLAM GLD (PPG-PR 164)	68.8	81.5	74.0	43.3	5.0	119.8	109.5	65.0	8.5	
PST-2DR9	89.8	94.0	85.3	68.0	7.3	104.5	95.0	75.8	8.5	
GO-DHS	77.0	63.8	59.8	22.8	6.3	83.8	77.5	28.8	7.5	
FIESTA 4	78.0	83.0	81.0	48.3	5.5	107.5	104.3	63.5	7.3	
PACIFIC GEM (PST-2MG7)	92.3	91.5	86.0	51.5	6.5	99.0	93.5	56.3	7.3	
PARKSIDE (PST-2NJK)	79.5	82.0	78.8	50.0	6.3	105.8	100.5	64.8	7.0	
MACH I	54.3	60.3	49.5	24.5	4.5	119.8	90.8	39.3	7.0	
SIENNA	76.8	83.5	55.5	26.5	5.0	111.3	72.0	34.0	6.5	
STELLAR 3GL (PPG-PR 134)	83.0	82.0	73.0	30.3	5.5	99.5	88.3	33.8	6.3	
PALMER V	77.0	80.0	63.5	39.3	4.8	110.3	87.0	55.3	5.5	
PROVOST (PPG-PR 143)	82.3	92.5	76.8	43.3	4.5	113.0	92.3	51.5	5.5	
BAR LP 10969	79.5	70.3	63.5	18.0	3.5	90.0	83.3	22.8	4.0	
PISTOL (PST-2ACR)	75.5	78.3	52.8	7.5	2.3	103.0	70.8	10.5	3.3	
LTP-RAE	73.3	78.5	57.3	21.5	1.8	108.8	78.0	29.3	2.8	
RAINWATER (PST-2TQL)	67.0	72.8	57.8	9.0	1.5	109.0	86.5	13.5	2.3	
DILIGENT (IS-PR 492)	39.3	63.8	42.5	4.0	0.0	166.8	112.3	10.0	0.0	
LSD VALUE	17.6	17.7	24.2	28.4	17.3	38.4	59.5	39.6	23.3	
C.V. (%)	16.0	15.3	22.2	41.0	69.7	18.4	23.4	40.8	70.6	

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.

3/ THE 5000 PPM SALT LEVEL IS CONSIDERED THE HIGHEST LEVEL MOST PERENNIAL RYEGRASS WILL TOLERATE WITHOUT DAMAGE (THEREFORE OUR BASE LEVEL). SALT LEVELS WERE INCREASED BY 2500 PPM EVERY TWO WEEKS THEREAFTER AND PERCENT COVER RATINGS WERE GENERATED FROM DIGITAL IMAGES.

4/ THE ADJUSTED COVER RATINGS SHOW PERCENTAGE COVER IN EACH POT AS COMPARED TO THE 5000 PPM LEVEL (OUR BASE OR STARTING LEVEL).

TABLE 25. PERCENT GREEN COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
AT BLACKSBURG (DROUGHT STUDY), VA 2/ 3/ 4/
2011 DATA

NAME	IRRIGATION WITHHELD			IRRIGATION WITHHELD		IRRIGATION APPLIED	
	6_27	7_6	7_11	7_13	7_24	8_6	9_6
ASPIRE (IS-PR 489)	84.3	48.0	34.0	29.3	10.0	48.3	81.3
PST-2DR9	84.0	49.3	43.0	38.7	27.3	44.7	80.7
SIDEWAYS (PSRX-S84)	85.3	48.3	39.0	32.0	17.7	50.7	80.0
WICKED (SRX-4RHD)	81.7	39.0	30.3	28.0	18.3	54.0	78.0
GREEN SUPREME (PPG-PR 121)	84.3	39.3	27.0	21.3	8.3	44.3	76.7
SR4660ST (SRX-4MSH)	80.3	38.0	29.7	26.7	17.0	36.7	76.7
SR 4650 (PSRX-3701)	89.3	57.7	51.3	44.0	28.7	47.7	76.3
DLF LGD-3022	81.7	36.3	25.3	21.0	9.3	55.7	75.7
PST-2NKM	84.3	47.0	36.7	30.7	18.0	38.0	75.0
BENCHMARK (PST-2BNS)	86.3	44.7	33.3	30.7	18.7	56.3	74.3
LTP-PR 135	85.3	40.0	26.3	21.7	5.3	50.7	73.0
THRIVE (IS-PR 469)	81.0	39.0	26.7	22.7	12.0	36.3	72.0
BONNEVILLE	80.0	42.3	33.7	30.3	20.3	45.3	70.7
PPG-PR 128	80.0	34.7	22.3	19.0	9.0	48.0	70.7
MONSIEUR (IS-PR 488)	87.0	52.3	44.7	39.0	25.3	50.7	70.0
PLAYOFF 2 (P02)	78.0	41.3	34.3	30.3	18.3	42.3	70.0
STELLAR 3GL (PPG-PR 134)	84.3	44.3	34.0	31.3	20.0	56.0	70.0
PST-2K9	84.3	48.3	45.0	41.7	35.0	49.7	70.0
APR 2445	79.0	36.3	29.3	25.7	22.0	58.7	69.7
BANFIELD (IS-PR 491)	84.7	48.3	37.7	33.0	19.7	37.0	69.7
RIPTIDE (IS-PR 409)	81.3	39.0	30.3	26.3	16.0	34.0	69.3
FASTBALL RGL (PPG-PR 133)	84.3	41.3	28.7	24.7	11.0	43.7	69.3
BANDALORE (IS-PR 463)	82.3	36.7	30.0	26.7	14.0	38.7	69.0
GO-PR60	76.0	34.0	27.3	24.0	19.3	39.0	68.7
PSRX-4CAGL	79.0	37.0	24.7	21.3	8.7	30.3	68.3
UNO	82.3	43.0	37.0	32.0	21.0	47.3	68.3
DLF LGD-3026	81.3	35.3	28.7	26.7	16.3	47.3	67.7
PICK 4DFHM	78.3	38.0	29.0	25.3	15.0	45.3	67.7
JR-178	84.7	41.7	27.0	22.0	10.7	37.7	67.0
DILIGENT (IS-PR 492)	85.0	43.3	27.0	22.3	8.7	33.3	66.7
SEDUCTIVE (ISG-30)	74.3	32.3	25.0	20.0	11.0	36.0	66.3
PACIFIC GEM (PST-2MG7)	77.3	43.3	38.0	33.3	25.3	37.7	65.7
PIZZAZZ 2 GLR (PR 909)	80.0	33.0	22.0	20.0	7.0	51.3	65.0
VISION (CL 11601)	84.7	48.3	42.7	38.0	23.3	45.7	64.7
GRAND SLAM GLD (PPG-PR 164)	86.7	48.3	37.0	31.3	16.0	52.3	64.7
DOMINATOR (PST-2AG4)	80.7	36.3	28.7	23.7	15.0	31.0	63.0
EVOLUTION (S85)	76.0	32.3	27.0	24.7	20.7	48.3	61.3
OCTANE	85.3	43.7	36.0	33.3	18.0	44.3	61.0
BAR LP 10969	84.7	49.7	42.7	39.7	25.0	42.7	60.7
SOX FAN (GM3)	84.3	41.7	33.3	28.0	16.0	39.3	60.7
PRX-4GM1	79.7	38.3	28.3	23.7	14.0	29.0	60.0
RINOVO	82.7	45.7	36.7	32.7	19.7	38.3	60.0
METOLIUS (PPG-PR 165)	85.3	48.3	39.0	36.0	26.3	39.0	59.7
JR-192	82.3	42.3	29.3	22.3	9.7	42.7	59.3
GO-DHS	75.0	30.3	24.3	21.0	14.7	45.3	58.7
PINNACLE III (BAR LP 10970)	77.7	37.7	27.3	24.3	14.7	34.7	58.3
EXCELLENCE (ISG-31)	73.7	28.0	19.3	15.7	8.3	33.0	58.3
LTP-RAE	82.7	42.7	33.0	28.3	18.7	42.0	58.0

TABLE 25. PERCENT GREEN COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) AT BLACKSBURG (DROUGHT STUDY), VA 2/ 3/ 4/
2011 DATA

NAME	IRRIGATION WITHHELD			IRRIGATION WITHHELD		IRRIGATION APPLIED	
	6_27	7_6	7_11	7_13	7_24	8_6	9_6
AMAZING A+ (PPG-PR 138)	75.3	31.3	21.3	19.3	13.0	30.3	57.7
PISTOL (PST-2ACR)	74.7	27.3	20.0	18.0	7.7	36.3	57.7
MACH I	71.0	25.0	20.7	17.3	9.7	27.7	57.3
PROVOST (PPG-PR 143)	79.3	36.0	24.7	21.7	9.0	38.0	56.7
PEPPER (RAD-PR62)	80.0	41.0	34.3	28.0	17.7	39.7	56.7
SALINAS II (PST-204D)	81.0	44.7	35.3	30.7	18.0	44.0	56.0
PALMER V	83.0	39.3	31.0	29.3	22.3	38.3	55.3
EXPEDITE (CL 307)	83.3	36.7	25.0	21.7	5.7	41.7	55.0
CS-PR66	79.0	32.3	20.3	15.7	6.7	28.3	55.0
VINTAGE (ISG-36)	78.7	33.0	26.0	22.3	13.0	32.7	54.3
FIESTA 4	74.0	19.0	10.0	8.0	2.0	27.3	52.7
HANCOCK (IS-PR 479)	76.3	28.3	18.7	14.7	8.3	29.0	52.3
GO-G37	75.0	28.0	19.7	16.7	9.3	40.0	52.0
PANGEA GLR (CL 11701)	79.0	39.7	33.7	29.7	19.0	40.3	52.0
INSIGHT	87.0	39.0	29.7	27.0	16.7	46.3	50.0
RIO VISTA	81.0	25.0	13.7	12.7	4.3	36.7	50.0
SUNSTREAKER (APR 2036)	80.0	37.0	26.0	24.7	14.3	43.3	49.7
STAMINA (IS-PR 487)	84.3	47.3	38.3	31.0	16.0	39.3	49.0
PREMIUM (PPG-PR 137)	78.0	30.0	21.0	18.0	4.7	39.0	48.7
APPLE SGL (PPG-PR 140)	80.3	44.7	36.0	35.3	23.0	39.7	48.0
ALLANTE	79.3	27.0	19.0	17.3	10.0	37.0	47.3
MANHATTAN 6 GLR (PST-2MAGS)	75.0	23.7	19.7	16.7	9.7	38.3	47.0
SIENNA	89.3	56.3	49.0	47.0	37.0	46.7	46.7
PILLAR (CST)	77.7	23.0	11.3	9.3	2.7	19.0	45.0
RAINWATER (PST-2TQL)	76.7	36.3	29.7	25.7	18.0	33.0	44.7
PROMINENT (CS-20)	77.7	31.7	22.0	18.3	10.3	36.0	43.7
LINN	80.7	28.3	21.0	20.0	8.3	46.3	43.7
PARKSIDE (PST-2NJK)	75.3	43.0	39.0	38.0	35.0	44.7	43.3
BRIGHTSTAR SLT	82.0	40.0	29.7	27.0	21.0	34.3	43.3
BAR LP 10972	82.0	43.7	38.7	35.3	22.3	32.0	43.0
HAVEN (APR 2038)	83.3	41.0	32.0	26.3	11.7	28.7	41.7
PPG-PR 136	77.0	26.0	15.0	13.3	6.3	23.3	41.0
APR 2320	78.3	33.7	28.0	25.3	14.3	32.7	40.3
ASP 0112 (A-35)	74.7	24.3	17.0	13.3	7.3	29.3	38.7
PINNACLE	88.0	53.7	38.0	31.3	18.7	41.7	38.7
BAR LP 7608	77.7	25.3	18.3	16.3	6.0	57.7	37.3
DLF LGT 4182	73.3	32.0	29.0	26.0	19.7	38.7	37.0
PPG-PR 142	79.3	33.7	22.7	19.3	11.3	20.0	33.3
KARMA (PICK 10401)	77.3	20.3	14.7	12.0	1.0	13.7	23.3
RAD-PR55R	73.7	26.3	21.0	18.0	10.0	18.7	23.3
LSD VALUE	10.2	27.6	36.3	34.5	33.6	59.5	58.7
C.V. (%)	6.2	30.1	43.0	46.3	74.2	38.3	33.7

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
3/ DROUGHT WAS IMPOSED USING MOVEABLE RAINOUT SHELTERS TO RESTRICT RAINFALL AND ALSO BY WITHHOLDING IRRIGATION.
4/ DATA WAS COLLECTED USING A DIGITAL CAMERA WITH LIGHT BOX AND IMAGES WERE ANALYZED USING SIGMASCAN SOFTWARE.

TABLE 26.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP (SAND DROUGHT STUDY), WA 1/
2011-12 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE DORMANCY	DROUGHT TOLERANCE RECOVERY	QUALITY RATINGS												MEAN
								JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PIZZAZZ 2 GLR (PR 909)	6.3	6.7	8.0	91.7	6.7	5.0	7.0	5.7	4.7	5.3	5.5	6.2	5.3	5.7	4.8	4.8	5.7	5.7	5.5	5.4
VISION (CL 11601)	6.0	7.0	8.3	80.0	6.0	5.0	6.3	5.0	4.2	5.2	5.5	5.2	4.8	5.0	4.5	4.5	5.3	6.3	5.3	5.1
EXPEDITE (CL 307)	6.2	6.3	9.0	86.7	6.3	4.0	6.3	6.0	4.7	5.3	5.2	5.0	4.8	5.0	4.3	5.0	4.7	5.3	5.2	5.0
GRAND SLAM GLD (PPG-PR 164)	6.0	6.3	8.7	76.7	6.7	4.0	6.0	5.0	4.7	5.3	4.7	5.7	5.2	4.7	4.3	4.3	5.3	5.5	5.5	5.0
PPG-PR 136	6.3	6.3	8.7	80.0	6.7	4.7	6.0	5.0	4.5	5.0	5.0	5.3	5.2	4.8	4.5	4.5	5.0	5.8	5.2	5.0
RINOVO	6.5	6.7	8.0	76.7	6.7	4.7	5.7	5.3	4.7	5.2	5.2	4.8	5.2	5.0	4.2	4.3	5.0	6.2	4.7	5.0
EVOLUTION (S85)	6.7	7.0	8.0	83.3	6.3	4.7	6.0	4.7	4.5	4.7	4.8	5.3	4.3	4.7	4.5	4.5	5.2	5.8	5.2	4.9
PST-2NKM	5.8	6.3	7.3	83.3	6.0	5.3	5.3	4.0	4.0	4.8	5.0	5.7	4.8	5.0	4.5	4.0	5.0	5.8	5.2	4.9
SIENNA	6.3	5.7	8.3	83.3	5.7	5.3	6.0	5.0	4.2	4.8	5.2	5.0	4.8	5.2	4.7	4.5	5.0	5.3	4.8	4.9
SR 4650 (PSRX-3701)	6.0	6.3	8.3	86.7	6.3	5.0	6.7	5.7	4.5	5.0	5.3	5.2	5.0	4.8	4.5	4.5	4.7	5.2	4.7	4.9
APR 2445	6.3	7.3	7.3	70.0	6.7	5.0	6.0	4.7	4.3	4.8	4.8	5.3	4.5	4.8	4.5	4.2	4.7	5.7	5.0	4.8
BANDALORE (IS-PR 463)	6.7	6.3	7.3	81.7	6.3	5.0	5.3	4.7	4.5	4.5	4.7	4.8	4.7	4.8	4.5	4.5	5.0	5.8	5.0	4.8
BANFIELD (IS-PR 491)	6.2	6.7	8.0	83.3	6.3	4.7	6.0	5.0	4.3	4.8	4.7	4.5	4.5	4.5	4.5	4.7	5.3	5.5	5.2	4.8
BONNEVILLE	6.0	5.7	8.0	86.7	6.3	4.0	6.0	5.7	4.5	4.7	5.0	4.8	4.7	4.5	4.5	4.7	4.7	5.2	4.7	4.8
GREEN SUPREME(PPG-PR 121)	6.3	6.3	8.3	80.0	7.0	4.3	6.7	5.3	4.5	5.2	4.8	5.5	4.7	4.3	4.5	4.3	4.7	5.7	5.0	4.8
LTP-RAE	6.3	6.3	8.3	80.0	6.3	5.3	6.3	5.0	4.7	4.7	4.5	5.0	4.5	4.7	4.7	4.7	4.8	5.3	4.8	4.8
PACIFIC GEM (PST-2MG7)	6.3	6.3	7.7	76.7	5.7	4.7	6.3	5.0	4.2	4.8	5.2	5.0	4.3	4.5	4.3	4.3	5.0	5.8	5.3	4.8
PANGEA GLR (CL 11701)	7.0	6.3	8.3	73.3	7.0	4.7	6.3	5.3	4.5	5.0	5.0	5.3	4.5	4.7	4.3	4.2	4.7	5.5	4.7	4.8
PREMIUM (PPG-PR 137)	6.5	5.7	8.3	90.0	6.7	5.7	6.0	4.7	4.3	4.8	4.3	4.5	4.5	5.0	4.8	4.8	5.0	5.3	5.0	4.8
RIO VISTA	6.5	6.7	7.3	80.0	6.3	4.3	6.0	5.0	4.3	5.0	4.8	5.2	4.8	4.8	4.5	4.2	4.7	5.8	4.8	4.8
SIDEWAYS (PSRX-S84)	6.2	6.3	8.0	73.3	6.3	4.3	6.0	5.7	4.3	5.2	4.8	5.2	4.5	4.2	4.3	4.5	5.0	5.7	4.8	4.8
STAMINA (IS-PR 487)	5.7	5.7	8.3	86.7	6.7	5.3	6.7	5.3	4.3	4.8	4.7	4.7	4.7	4.8	4.7	5.0	4.8	5.5	5.0	4.8
AMAZING A+ (PPG-PR 138)	6.5	6.3	7.3	86.7	6.0	5.0	6.3	4.7	3.8	5.0	5.2	5.2	4.3	4.8	4.8	4.3	4.3	5.5	4.8	4.7
BENCHMARK (PST-2BNS)	6.3	5.7	7.3	86.7	6.3	5.3	6.3	5.0	4.0	4.8	4.7	4.3	5.0	5.2	4.7	4.7	4.7	4.5	4.8	4.7
FASTBALL RGL (PPG-PR 133)	6.3	6.7	7.7	80.0	6.7	5.0	5.7	4.7	4.5	4.3	5.0	5.0	4.5	4.7	4.2	4.7	4.8	5.5	4.8	4.7
INSIGHT	5.8	6.0	7.3	76.7	6.0	5.7	6.0	4.3	4.3	4.3	5.0	5.0	4.3	5.2	5.0	4.2	4.3	5.3	4.8	4.7
MACH I	6.8	6.7	7.7	83.3	6.7	4.7	6.0	4.7	4.3	5.0	4.8	5.3	4.5	4.2	4.5	4.3	4.7	5.5	4.7	4.7
MANHATTAN 6 GLR (PST-2MAGS)	6.2	7.0	7.3	73.3	6.7	4.7	6.0	4.0	4.2	5.3	5.3	5.2	4.2	4.3	4.5	4.5	4.2	5.2	5.0	4.7
MONSIEUR (IS-PR 488)	7.0	6.3	8.0	80.0	6.7	4.3	6.0	4.7	4.0	5.0	5.3	4.7	4.5	4.5	4.3	4.2	5.0	5.8	4.7	4.7
OCTANE	6.8	6.3	8.0	80.0	6.7	4.0	5.0	5.0	4.2	4.7	4.7	4.5	4.5	4.7	4.5	4.5	4.8	5.5	4.8	4.7
PPG-PR 142	6.3	5.7	7.7	80.0	6.7	4.7	6.0	5.3	4.2	4.8	4.7	4.8	4.7	4.8	4.5	4.7	4.2	5.5	4.7	4.7
UNO	6.2	6.3	8.0	73.3	6.7	4.0	5.7	4.0	4.3	5.0	5.3	5.3	4.8	5.0	3.8	4.2	4.3	5.3	4.5	4.7
ASP 0112 (A-35)	7.7	6.7	7.7	76.7	7.3	4.3	6.3	4.7	4.3	4.8	4.3	5.0	4.5	4.5	4.2	4.3	4.3	5.0	5.0	4.6
ASPIRE (IS-PR 489)	7.0	6.0	7.7	76.7	6.7	5.0	5.3	4.7	4.0	4.3	4.7	5.2	4.5	4.5	4.2	4.2	4.3	5.5	4.8	4.6
PINNACLE III (BAR LP 10970)	6.0	5.0	8.0	80.0	6.0	5.0	6.7	4.7	4.2	4.5	4.5	5.2	4.7	4.7	4.7	5.0	4.5	4.8	4.3	4.6
CS-PR66	6.3	6.7	7.0	76.7	6.3	6.7	7.0	4.3	3.8	4.7	4.7	4.8	4.3	4.8	4.8	4.8	4.3	5.3	4.7	4.6
DILIGENT (IS-PR 492)	6.7	6.0	7.0	80.0	5.7	4.7	6.3	4.7	4.2	4.5	4.5	4.5	4.3	4.7	4.5	4.0	4.5	5.8	5.0	4.6
DLF LGD-3022	5.8	5.7	8.7	76.7	6.7	4.7	6.0	5.0	4.5	4.7	5.0	4.7	4.2	4.3	4.2	4.2	4.7	5.2	4.8	4.6
DOMINATOR (PST-2AG4)	6.3	5.7	7.7	76.7	5.3	5.3	6.3	5.3	4.2	4.7	4.7	5.3	4.7	4.7	4.3	4.2	4.0	5.3	4.2	4.6
KARMA (PICK 10401)	6.3	5.7	8.0	85.0	6.7	4.3	6.3	5.3	4.0	4.8	4.7	5.3	5.0	4.7	4.7	4.5	4.3	4.5	4.3	4.6
PPG-PR 128	6.0	6.3	7.7	73.3	7.0	5.3	6.0	5.0	4.2	4.8	4.5	4.8	4.2	4.3	4.5	4.3	4.7	5.2	4.5	4.6
PROVOST (PPG-PR 143)	6.5	6.3	8.0	70.0	6.7	4.3	6.3	5.0	4.2	4.8	4.5	4.7	4.5	4.5	4.5	4.0	4.7	5.3	4.5	4.6
PRX-4GM1	6.2	6.0	7.0	66.7	6.3	4.0	5.3	4.3	4.2	5.0	4.7	4.5	4.5	4.7	4.5	3.8	4.3	5.8	4.8	4.6
PST-2DR9	5.7	6.0	6.7	76.7	6.3	4.7	6.0	4.3	4.0	4.3	5.0	4.7	4.0	5.0	4.7	4.5	4.7	5.0	4.8	4.6
RIPTIDE (IS-PR 409)	6.7	6.3	8.0	73.3	6.3	3.7	5.0	4.7	4.2	4.8	4.5	5.2	4.3	4.5	4.3	4.0	4.3	6.0	4.8	4.6
SALINAS II (PST-204D)	5.5	6.0	7.3	83.3	5.3	5.0	6.0	4.0	3.7	4.5	4.8	5.0	4.3	4.5	4.8	4.7	4.3	5.3	4.8	4.6
SEDUCTIVE (ISG-30)	7.7	6.7	7.7	76.7	6.3	5.0	6.0	5.3	4.5	4.7	4.7	4.7	4.3	4.3	4.0	4.3	4.2	5.5	5.0	4.6

TABLE 26. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP (SAND DROUGHT STUDY), WA 1/
2011-12 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE DORMANCY	DROUGHT TOLERANCE RECOVERY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
THRIVE (IS-PR 469)	6.7	6.3	7.3	80.0	6.3	5.0	6.3	4.7	4.2	4.7	4.0	4.7	4.7	4.7	4.3	4.5	4.7	5.5	5.0	4.6
WICKED (SRX-4RHD)	6.8	6.7	7.3	76.7	6.0	5.3	6.7	5.0	4.2	4.5	4.5	4.8	4.7	4.5	4.3	4.5	4.3	4.7	4.8	4.6
APR 2320	6.5	5.7	7.7	80.0	5.3	5.0	7.7	5.0	3.5	4.2	4.5	4.8	4.5	4.8	4.3	4.7	4.5	5.3	4.3	4.5
BAR LP 10972	6.2	5.3	7.3	80.0	6.0	5.0	6.0	4.3	3.7	4.0	4.3	5.0	4.3	4.3	4.5	4.5	4.7	5.2	4.7	4.5
HAVEN (APR 2038)	5.5	5.7	7.7	83.3	5.3	4.3	6.3	4.3	3.8	4.5	4.5	4.8	4.2	5.0	4.7	4.7	4.5	5.0	4.3	4.5
JR-178	6.3	5.3	7.0	73.3	6.3	3.3	5.0	5.0	3.8	4.2	4.5	5.2	4.8	5.0	3.7	4.0	4.3	5.0	4.5	4.5
METOLIUS (PPG-PR 165)	6.3	5.3	7.7	83.3	6.7	4.7	6.0	4.7	4.2	4.3	4.3	4.3	4.8	4.8	4.3	4.5	4.5	5.0	4.7	4.5
PALMER V	6.2	6.0	6.7	73.3	5.7	4.7	6.0	4.7	4.2	4.3	4.7	4.8	4.0	4.8	4.3	3.7	4.5	5.2	4.5	4.5
PISTOL (PST-2ACR)	6.3	6.0	7.3	70.0	6.0	4.3	5.3	4.0	4.3	4.5	4.8	4.3	4.2	4.3	4.2	4.0	4.7	5.2	4.7	4.5
RAINWATER (PST-2TQL)	6.7	6.0	7.0	71.7	5.7	4.7	6.7	4.0	3.8	4.5	4.3	4.5	4.3	4.3	4.5	4.5	4.7	5.3	4.5	4.5
SOX FAN (GM3)	6.3	5.7	7.7	80.0	5.3	3.7	6.0	5.3	4.3	4.3	4.8	4.5	4.5	4.2	3.7	4.3	4.3	5.2	4.7	4.5
STELLAR 3GL (PPG-PR 134)	6.2	6.3	7.3	71.7	6.3	5.7	6.7	4.7	3.8	4.2	4.3	4.8	4.3	4.7	4.3	4.7	4.8	5.2	4.8	4.5
ALLANTE	5.5	5.3	7.3	76.7	5.0	5.3	6.0	4.0	3.7	4.0	4.7	4.8	4.0	4.5	4.7	4.3	4.3	5.2	4.3	4.4
APPLE SGL (PPG-PR 140)	6.2	5.7	6.3	76.7	5.7	4.7	5.3	4.0	3.7	4.0	4.2	4.7	4.0	4.7	4.5	4.3	4.7	5.3	4.5	4.4
BAR LP 7608	5.5	6.7	7.0	86.7	5.0	5.3	5.7	4.7	3.8	4.5	4.8	4.7	4.2	4.5	4.3	4.3	4.0	5.0	4.3	4.4
EXCELLENCE (ISG-31)	6.5	6.7	7.7	63.3	6.3	4.0	6.0	4.0	4.2	5.0	4.8	5.0	4.0	4.7	3.8	3.8	4.0	4.8	4.5	4.4
FIESTA 4	6.5	6.3	6.7	70.0	7.0	3.7	5.7	5.0	4.0	4.7	4.5	4.8	4.5	4.0	3.8	3.8	4.0	5.2	4.3	4.4
LTP-PR 135	6.0	5.7	7.7	75.0	6.0	5.0	5.7	4.7	4.0	4.5	4.2	4.8	4.3	4.2	4.3	4.3	4.3	4.5	4.7	4.4
PILLAR (CST)	6.0	6.0	7.3	80.0	6.3	4.0	6.3	4.3	3.8	4.2	4.5	4.3	4.3	4.3	4.3	4.2	4.2	5.2	4.5	4.4
PSRX-4CAGL	6.8	6.7	6.7	76.7	6.7	4.0	5.7	5.3	4.0	4.7	4.3	4.7	4.5	4.2	3.8	3.8	4.5	4.7	4.7	4.4
RAD-PR55R	7.2	6.7	7.0	76.7	6.0	5.0	6.0	4.7	3.8	4.8	4.2	4.3	4.0	4.2	4.2	4.5	4.2	5.5	4.8	4.4
SR4660ST (SRX-4MSH)	6.0	5.3	7.7	76.7	4.7	4.0	5.7	4.3	3.7	4.7	4.2	4.5	4.2	4.3	4.7	4.3	4.8	4.8	4.8	4.4
SUNSTREAKER (APR 2036)	6.7	6.7	7.0	63.3	6.0	4.3	6.0	4.0	4.0	4.5	4.7	4.7	3.8	4.3	4.0	4.0	4.3	5.3	5.0	4.4
BAR LP 10969	5.7	5.7	7.3	76.7	6.0	4.3	6.3	4.7	3.8	4.2	4.5	4.3	4.2	4.3	4.0	4.2	4.0	5.2	4.2	4.3
BRIGHTSTAR SLT	5.3	5.3	7.7	73.3	5.3	5.3	6.3	4.7	3.7	3.8	4.7	4.3	4.2	4.5	4.2	4.2	4.2	5.2	3.8	4.3
GO-G37	7.0	6.0	7.7	70.0	6.3	3.7	6.0	4.7	4.0	4.8	4.7	5.2	4.3	4.3	3.5	3.8	3.8	4.7	4.5	4.3
GO-PR60	7.2	6.0	7.0	80.0	5.0	4.7	6.0	4.7	3.8	4.5	4.0	4.8	4.2	4.0	4.2	4.2	4.3	5.0	4.5	4.3
PEPPER (RAD-PR62)	5.7	5.3	6.7	80.0	5.0	5.0	6.7	4.7	3.5	4.3	4.2	4.5	4.3	4.3	4.3	4.3	4.0	4.7	4.2	4.3
PST-PARKSIDE (PST-2NJK)	6.2	5.7	7.0	76.7	5.7	5.0	6.3	4.0	3.3	4.0	4.8	4.0	4.0	4.3	4.3	4.3	4.5	5.2	4.5	4.3
VINTAGE (ISG-36)	7.5	6.7	7.3	70.0	7.0	3.7	6.0	5.0	3.7	4.7	4.2	4.8	4.0	4.2	3.8	4.0	3.8	5.2	4.3	4.3
HANCOCK (IS-PR 479)	7.8	6.7	7.0	73.3	5.7	4.7	5.7	4.0	3.8	4.0	4.3	4.0	4.2	4.2	3.8	4.0	4.7	5.0	4.7	4.2
PICK 4DFHM	6.2	5.3	7.0	76.7	6.0	4.0	5.3	4.7	3.8	4.3	4.2	4.3	3.8	4.2	3.7	4.0	4.2	5.3	4.3	4.2
PROMINENT (CS-20)	7.3	7.0	7.3	63.3	7.0	4.3	5.3	4.0	4.2	4.7	4.3	4.5	4.0	4.0	4.0	3.7	4.0	4.7	4.3	4.2
PST-2K9	6.0	6.0	6.7	73.3	5.3	4.3	5.0	4.3	3.8	4.0	4.3	4.2	3.8	4.2	4.0	4.2	4.2	4.3	4.5	4.2
DLF LGD-3026	6.8	6.3	7.3	66.7	6.7	4.3	5.3	4.7	3.8	4.0	3.8	4.3	4.0	4.3	3.7	4.0	4.2	4.7	4.2	4.1
DLF LGT 4182	6.5	6.7	6.3	66.7	5.0	5.0	5.7	4.0	3.7	4.0	4.2	4.0	4.0	4.0	4.2	4.2	4.2	4.8	4.3	4.1
JR-192	6.7	5.0	6.3	66.7	4.7	5.0	6.0	4.0	3.3	3.7	4.2	4.8	4.7	4.5	3.8	4.2	3.5	4.7	3.8	4.1
PINNACLE	4.8	6.0	7.3	86.7	4.7	5.0	5.7	4.0	3.5	3.8	4.7	4.0	3.8	4.8	4.0	4.0	3.8	4.7	4.0	4.1
PLAYOFF 2 (P02)	6.2	5.3	6.7	83.3	5.3	4.7	6.0	4.0	3.3	3.7	4.5	4.2	3.7	4.2	4.0	4.5	4.0	4.7	4.5	4.1
GO-DHS	7.8	5.7	6.7	70.0	6.3	3.3	5.0	4.0	3.5	4.2	4.2	3.8	3.8	3.8	3.8	4.0	3.8	4.3	4.5	4.0
LINN	5.0	5.7	6.0	90.0	4.7	3.7	5.0	4.3	3.0	3.8	4.5	3.3	3.7	4.5	3.8	3.7	3.7	4.5	3.2	3.8
C.V. (%)	8.7	13.1	9.9	12.2	11.5	20.6	11.3	13.6	14.1	16.2	15.4	18.5	14.2	14.1	15.6	13.4	16.6	16.9	14.7	6.9
LSD VALUE	0.6	2.6	1.6	28.2	1.3	3.4	1.6	1.4	0.8	1.1	1.3	1.5	0.9	1.1	1.3	0.9	1.1	1.8	1.1	0.4

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

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

TABLE 26. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP (SAND DROUGHT STUDY), WA 1/
2011-12 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL COLOR OCTOBER	PERCENT ESTABLISHMENT (2010)			MOWING QUALITY RATINGS				RED THREAD IN 2011			RED THREAD IN 2012		
		SEP	NOV	DEC	JUN 2011	SEP 2011	JUN 2012	JUL 2012	SEP	OCT	DEC	FEB	NOV	DEC
PIZZAZZ 2 GLR (PR 909)	6.7	70.0	95.0	90.0	5.3	6.3	9.0	7.7	5.0	5.3	5.3	4.7	5.3	6.7
VISION (CL 11601)	6.3	70.0	88.3	85.0	4.0	6.7	7.7	7.0	5.3	5.3	5.7	4.3	5.7	6.3
EXPEDITE (CL 307)	7.0	76.7	95.0	95.0	4.7	6.0	9.0	8.7	4.3	5.0	5.3	4.0	5.0	6.0
GRAND SLAM GLD (PPG-PR 164)	7.0	70.0	95.0	91.7	5.3	4.3	8.3	7.3	4.0	5.0	4.7	4.3	5.3	6.7
PPG-PR 136	7.0	60.0	91.7	90.0	5.3	6.0	8.3	7.7	4.3	4.7	5.0	4.3	5.3	6.3
RINOVO	6.3	63.3	93.3	90.0	5.7	4.7	8.7	7.3	3.7	4.7	5.3	5.0	6.3	5.0
EVOLUTION (S85)	7.0	63.3	93.3	85.0	3.7	6.0	6.7	7.3	4.7	5.3	5.3	4.3	6.3	6.7
PST-2NKM	6.7	63.3	88.3	83.3	5.3	6.7	8.0	6.7	4.3	4.7	5.0	4.0	6.0	6.7
SIENNA	6.3	63.3	93.3	86.7	6.7	7.3	8.7	8.7	4.3	4.7	5.0	3.0	5.0	5.0
SR 4650 (PSRX-3701)	6.7	80.0	93.3	88.3	5.0	5.7	8.7	7.0	5.0	5.3	4.3	4.3	5.0	6.3
APR 2445	7.3	63.3	88.3	85.0	4.3	5.7	6.3	6.0	4.7	4.0	5.3	5.0	5.3	5.3
BANDALORE (IS-PR 463)	7.0	56.7	91.7	91.7	4.7	6.0	7.7	7.7	4.3	4.3	5.0	4.7	5.3	6.3
BANFIELD (IS-PR 491)	6.0	66.7	91.7	86.7	3.0	5.3	7.7	6.3	4.7	5.0	5.3	4.3	5.3	6.3
BONNEVILLE	6.7	63.3	91.7	91.7	3.7	5.0	8.0	7.7	4.0	4.0	4.0	4.3	5.0	6.0
GREEN SUPREME(PPG-PR 121)	6.7	70.0	93.3	90.0	4.7	6.0	8.3	6.3	5.0	3.7	4.3	4.0	5.7	5.7
LTP-RAE	6.7	66.7	90.0	91.7	5.0	6.3	9.0	8.7	5.0	5.0	5.3	3.3	5.0	5.0
PACIFIC GEM (PST-2MG7)	7.0	66.7	88.3	86.7	4.3	6.0	6.3	6.3	4.7	4.3	5.0	4.0	5.0	6.0
PANGEA GLR (CL 11701)	7.0	76.7	88.3	93.3	5.7	7.3	8.0	6.3	5.0	4.7	5.0	4.0	4.7	5.3
PREMIUM (PPG-PR 137)	6.7	56.7	90.0	86.7	4.0	5.7	8.0	7.3	4.7	5.0	4.7	3.7	4.7	5.7
RIO VISTA	6.7	63.3	86.7	86.7	5.0	5.0	7.7	6.7	4.0	4.0	5.0	4.3	5.7	5.3
SIDEWAYS (PSRX-S84)	7.0	66.7	88.3	88.3	3.7	5.0	8.0	5.7	4.7	5.0	5.0	4.7	5.3	6.0
STAMINA (IS-PR 487)	6.3	66.7	83.3	88.3	5.7	7.0	8.7	8.3	5.0	5.3	4.7	4.0	4.7	5.7
AMAZING A+ (PPG-PR 138)	7.3	70.0	91.7	90.0	4.7	7.3	8.0	7.3	5.0	4.7	4.7	3.3	4.3	4.7
BENCHMARK (PST-2BNS)	6.3	63.3	86.7	85.0	6.0	6.7	8.3	8.7	4.7	4.3	3.7	3.3	4.0	5.0
FASTBALL RGL (PPG-PR 133)	6.3	56.7	85.0	85.0	3.7	5.7	8.3	6.7	4.3	4.3	4.7	4.3	5.3	6.0
INSIGHT	6.3	70.0	86.7	86.7	6.0	6.7	8.7	9.0	4.3	4.0	5.0	3.3	5.0	5.3
MACH I	7.0	66.7	86.7	86.7	4.7	6.0	7.7	6.7	5.3	5.3	4.7	4.7	5.3	5.0
MANHATTAN 6 GLR (PST-2MAGS)	7.3	63.3	85.0	85.0	4.3	6.3	8.0	6.7	4.3	5.0	5.3	5.0	4.3	6.3
MONSIEUR (IS-PR 488)	6.7	63.3	86.7	86.7	4.0	5.7	8.3	7.0	4.3	5.0	5.3	3.3	5.3	4.3
OCTANE	6.7	73.3	88.3	90.0	3.7	4.3	7.7	7.7	3.7	4.3	5.0	4.0	5.0	5.3
PPG-PR 142	6.7	70.0	88.3	88.3	5.0	6.3	8.3	6.7	4.7	4.7	4.3	4.0	5.0	5.3
UNO	7.0	70.0	90.0	86.7	5.3	6.3	8.3	6.7	4.3	4.3	5.0	4.0	5.0	5.0
ASP 0112 (A-35)	8.0	63.3	86.7	83.3	7.7	7.3	7.0	7.0	4.7	4.3	4.0	4.7	4.7	6.0
ASPIRE (IS-PR 489)	7.0	56.7	91.7	86.7	3.7	5.0	8.3	7.0	4.0	4.7	4.3	3.7	5.3	6.7
PINNACLE III (BAR LP 10970)	6.3	66.7	88.3	86.7	7.3	7.3	7.7	7.7	5.7	4.3	4.3	3.3	5.0	4.0
CS-PR66	7.3	63.3	85.0	83.3	5.7	7.7	7.0	6.3	6.0	4.7	4.3	3.3	4.7	4.7
DILIGENT (IS-PR 492)	6.7	56.7	86.7	86.7	3.3	5.3	8.7	7.3	4.0	5.0	5.0	4.0	5.3	6.0
DLF LGD-3022	6.3	73.3	91.7	88.3	4.0	5.7	7.7	6.3	4.7	4.0	4.3	4.0	4.3	5.0
DOMINATOR (PST-2AG4)	6.0	56.7	86.7	86.7	6.0	6.3	7.7	7.0	4.7	3.7	4.0	3.7	4.7	4.0
KARMA (PICK 10401)	6.7	73.3	90.0	88.3	6.3	6.7	8.7	7.7	4.7	3.3	4.3	3.0	5.3	5.0
PPG-PR 128	6.7	73.3	86.7	88.3	5.0	6.3	7.3	6.0	4.7	4.7	4.7	4.3	5.3	5.7
PROVOST (PPG-PR 143)	6.3	66.7	86.7	88.3	5.0	6.3	8.0	7.0	4.3	4.3	4.7	4.0	5.0	5.3
PRX-4GM1	6.3	53.3	86.7	86.7	4.0	5.7	5.0	5.0	4.3	4.7	5.3	4.3	6.3	6.0
PST-2DR9	7.0	60.0	88.3	85.0	4.0	6.3	6.7	6.3	4.7	4.3	4.7	3.3	5.0	6.3
RIPTIDE (IS-PR 409)	7.0	63.3	86.7	83.3	4.3	4.7	6.7	6.7	4.0	5.0	5.0	4.0	5.7	5.7
SALINAS II (PST-204D)	6.3	70.0	83.3	81.7	5.7	7.0	7.3	7.3	5.0	3.7	4.7	3.0	5.0	6.0
SEDUCTIVE (ISG-30)	8.0	63.3	88.3	86.7	5.0	6.0	5.3	4.7	4.0	4.0	4.3	4.3	6.0	5.7

TABLE 26. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP (SAND DROUGHT STUDY), WA 1/
2011-12 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	FALL COLOR OCTOBER	PERCENT ESTABLISHMENT (2010)			MOWING QUALITY RATINGS				RED THREAD IN 2011			RED THREAD IN 2012		
		SEP	NOV	DEC	JUN 2011	SEP 2011	JUN 2012	JUL 2012	SEP	OCT	DEC	FEB	NOV	DEC
THRIVE (IS-PR 469)	6.7	60.0	90.0	88.3	5.0	5.7	8.3	7.0	4.3	5.3	6.0	4.7	5.3	5.7
WICKED (SRX-4RHD)	7.0	70.0	91.7	85.0	5.0	6.3	8.3	7.0	5.3	5.7	5.0	4.3	4.7	6.0
APR 2320	7.0	63.3	90.0	83.3	7.3	8.0	8.3	8.0	5.7	4.7	4.3	2.7	5.0	5.7
BAR LP 10972	7.0	63.3	86.7	83.3	5.7	6.7	7.3	6.3	4.7	5.0	4.0	2.7	4.7	5.7
HAVEN (APR 2038)	6.0	70.0	83.3	83.3	4.3	6.3	7.7	7.7	4.7	4.0	4.3	3.3	5.3	5.0
JR-178	7.0	66.7	88.3	88.3	5.3	5.3	8.3	8.7	4.3	4.0	4.3	3.7	5.3	5.0
METOLIUS (PPG-PR 165)	7.0	66.7	85.0	86.7	5.3	4.7	8.0	7.3	4.3	4.3	3.7	3.3	5.7	5.7
PALMER V	6.7	63.3	88.3	88.3	5.0	6.0	8.0	6.7	4.7	4.7	4.7	4.7	5.0	5.0
PISTOL (PST-2ACR)	7.0	66.7	85.0	85.0	3.3	5.3	6.7	6.0	4.0	4.3	4.3	4.0	5.7	6.3
RAINWATER (PST-2TQL)	6.7	60.0	80.0	81.7	5.7	6.7	7.0	6.3	5.0	4.7	4.0	3.0	5.7	5.0
SOX FAN (GM3)	6.3	66.7	90.0	90.0	3.7	5.3	8.3	6.0	4.7	4.3	4.3	4.0	4.7	5.3
STELLAR 3GL (PPG-PR 134)	6.7	56.7	85.0	85.0	4.7	7.0	8.3	7.3	5.0	5.7	5.3	3.0	5.0	5.3
ALLANTE	6.3	66.7	85.0	86.7	6.0	7.0	8.3	7.7	4.3	4.0	4.0	2.7	5.7	5.0
APPLE SGL (PPG-PR 140)	7.0	50.0	81.7	81.7	3.3	5.3	6.7	6.3	5.0	3.7	4.7	3.3	5.0	5.3
BAR LP 7608	6.0	70.0	83.3	83.3	6.3	7.0	6.7	6.7	4.0	3.7	4.3	4.3	5.0	4.3
EXCELLENCE (ISG-31)	7.3	63.3	91.7	85.0	4.0	6.3	4.3	4.0	4.3	3.3	4.7	4.0	4.0	4.7
FIESTA 4	6.7	66.7	85.0	86.7	5.3	5.3	6.7	6.3	4.3	4.3	4.0	4.0	5.0	5.3
LTP-PR 135	6.7	73.3	88.3	86.7	4.0	6.0	8.3	7.3	4.7	4.3	4.3	3.3	4.3	5.3
PILLAR (CST)	6.7	63.3	85.0	83.3	3.7	5.3	7.7	6.7	4.7	3.7	4.7	3.7	5.7	5.0
PSRX-4CAGL	7.3	66.7	88.3	90.0	3.7	4.0	7.0	5.7	4.0	4.3	4.0	4.3	4.7	5.3
RAD-PR55R	7.0	63.3	80.0	85.0	5.3	7.0	6.0	6.3	4.7	5.3	5.0	4.3	5.7	5.7
SR4660ST (SRX-4MSH)	6.3	60.0	81.7	86.7	4.0	5.7	7.3	6.3	5.0	4.3	4.3	3.3	4.7	5.0
SUNSTREAKER (APR 2036)	7.0	56.7	86.7	85.0	4.7	6.0	8.0	7.0	4.0	5.3	5.3	4.3	5.3	6.0
BAR LP 10969	6.3	66.7	83.3	86.7	3.7	5.3	5.3	5.7	4.0	3.7	4.0	3.3	4.7	4.0
BRIGHTSTAR SLT	6.0	70.0	88.3	85.0	5.7	7.7	7.0	7.0	4.7	3.7	3.7	3.0	4.7	4.7
GO-G37	7.7	63.3	88.3	85.0	5.3	5.7	6.0	4.7	4.3	3.3	4.0	4.0	5.0	4.7
GO-PR60	7.7	60.0	85.0	86.7	6.7	7.3	6.7	7.0	4.3	4.3	4.3	4.0	5.3	4.7
PEPPER (RAD-PR62)	6.3	63.3	91.7	86.7	5.7	7.3	8.0	6.0	4.3	4.0	4.3	3.3	4.7	4.3
PST-PARKSIDE (PST-2NJK)	7.0	63.3	85.0	83.3	4.3	6.0	5.7	5.0	4.3	4.3	4.3	3.3	5.0	5.0
VINTAGE (ISG-36)	8.0	56.7	85.0	86.7	4.7	6.7	6.3	5.0	4.3	3.7	5.0	3.7	6.3	5.0
HANCOCK (IS-PR 479)	7.3	60.0	81.7	85.0	5.0	6.0	8.0	6.7	4.0	5.0	4.7	5.0	5.3	6.0
PICK 4DFHM	6.3	70.0	83.3	85.0	3.3	5.0	6.0	5.3	4.3	3.7	4.3	3.7	5.7	5.0
PROMINENT (CS-20)	8.0	63.3	86.7	83.3	4.0	5.0	4.3	4.0	3.7	3.7	4.3	4.3	5.0	6.0
PST-2K9	7.0	63.3	81.7	83.3	4.3	6.0	7.0	6.3	4.3	4.0	4.0	3.3	4.7	5.7
DLF LGD-3026	6.7	70.0	90.0	86.7	3.0	4.3	4.0	3.7	4.0	3.7	4.0	4.7	5.0	4.7
DLF LGT 4182	7.3	50.0	80.0	78.3	4.3	6.7	6.7	5.7	4.7	4.7	4.7	5.0	5.3	6.0
JR-192	6.7	70.0	83.3	80.0	6.7	7.0	8.3	8.0	4.0	3.0	3.7	3.0	4.3	4.0
PINNACLE	5.0	70.0	85.0	83.3	5.7	7.0	5.3	6.7	4.3	4.0	3.7	2.7	4.7	3.3
PLAYOFF 2 (P02)	7.0	56.7	83.3	81.7	3.7	6.7	5.3	5.3	4.3	4.0	4.7	3.0	5.0	5.0
GO-DHS	8.0	60.0	81.7	80.0	4.7	6.0	5.3	5.3	4.0	3.3	4.0	3.3	5.7	5.3
LINN	5.0	63.3	83.3	81.7	3.0	6.3	1.0	5.0	3.0	3.7	3.7	3.0	5.3	3.0
LSD VALUE	0.8	15.5	7.7	8.3	1.4	1.9	2.1	1.6	2.6	3.0	4.5	1.5	2.9	2.0
C.V. (%)	6.9	11.2	4.7	4.5	17.4	16.0	17.2	14.5	16.8	21.3	20.9	19.7	15.7	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 27. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									
	IA1	IL1	MA1	MI1	MN1	MO1	NE1	NJ2	OR1	MEAN
ASP 0112 (A-35)	8.3	7.4	8.3	7.0	8.8	8.2	7.1	8.1	7.7	7.8
VINTAGE (ISG-36)	7.5	7.6	8.6	7.3	8.5	7.9	7.5	7.9	7.8	7.8
SEDUCTIVE (ISG-30)	7.8	7.0	8.2	7.0	8.2	7.2	7.2	8.1	7.6	7.5
PROMINENT (CS-20)	7.3	7.3	8.0	6.7	7.5	7.4	7.4	8.0	7.5	7.5
GO-G37	7.7	7.3	7.9	6.3	7.8	6.8	7.3	7.8	7.3	7.4
GO-DHS	7.3	7.0	8.2	6.7	8.2	7.2	7.3	7.7	7.0	7.4
EXCELLENCE (ISG-31)	8.0	7.2	8.0	7.3	6.7	7.0	7.3	7.5	7.4	7.3
HANCOCK (IS-PR 479)	7.7	6.8	7.1	7.0	6.7	7.2	6.9	7.3	7.3	7.1
GO-PR60	7.7	6.5	7.8	6.7	6.5	6.7	6.8	7.7	7.5	7.1
DLF LGT 4182	7.0	7.2	7.6	6.7	6.8	6.7	6.8	7.2	7.2	7.0
RAD-PR55R	7.3	6.1	7.8	6.7	7.3	6.6	7.0	7.8	7.0	7.0
PANGEA GLR (CL 11701)	7.2	6.3	6.8	7.0	6.7	6.3	7.0	8.1	7.3	7.0
THRIVE (IS-PR 469)	7.0	6.5	6.9	6.0	6.3	7.1	6.8	7.4	7.3	6.9
PSRX-4CAGL	7.0	6.7	7.3	7.0	7.0	6.4	6.9	7.1	7.3	6.9
MACH I	7.0	6.5	7.7	6.7	6.2	6.6	7.0	7.3	7.1	6.9
FIESTA 4	6.3	6.8	7.0	6.3	6.5	6.2	6.8	7.9	7.3	6.9
CS-PR66	7.2	6.2	7.2	7.0	6.7	6.9	6.9	6.8	7.2	6.8
ASPIRE (IS-PR 489)	7.2	6.2	6.7	6.0	6.5	6.5	6.9	7.4	7.5	6.8
MANHATTAN 6 GLR (PST-2MAGS)	6.7	6.3	7.1	6.0	6.5	6.4	6.9	7.3	7.2	6.8
EVOLUTION (S85)	6.8	6.1	6.7	6.3	6.5	6.6	6.9	7.2	7.3	6.8
RIPTIDE (IS-PR 409)	6.3	6.3	7.1	7.0	6.2	6.6	6.8	6.8	7.3	6.7
PPG-PR 136	6.5	6.1	6.8	6.7	6.5	5.7	7.1	7.2	7.2	6.6
PACIFIC GEM (PST-2MG7)	6.7	6.1	6.8	6.3	6.2	6.1	6.9	6.8	7.3	6.6
APR 2445	7.2	6.2	7.1	6.0	6.0	6.2	6.6	7.0	7.2	6.6
RINOVO	7.0	5.8	6.7	6.0	6.7	6.2	6.7	6.9	7.3	6.6
DILIGENT (IS-PR 492)	6.8	6.3	7.2	6.0	5.7	6.4	6.8	6.5	7.1	6.6
AMAZING A+ (PPG-PR 138)	7.3	6.2	6.4	6.3	6.5	5.7	6.9	6.8	7.1	6.6
DLF LGD-3026	6.3	6.3	7.7	6.0	6.3	5.7	6.8	6.8	7.0	6.6
GRAND SLAM GLD (PPG-PR 164)	6.5	6.2	6.2	6.3	6.0	6.2	6.8	6.9	7.2	6.5
BANDALORE (IS-PR 463)	6.7	5.9	6.4	6.0	5.8	6.4	6.7	6.9	7.3	6.5
PALMER V	6.3	6.1	6.6	6.3	5.8	6.1	6.8	7.2	7.0	6.5
OCTANE	7.3	6.1	6.0	6.3	6.0	6.8	6.9	6.3	7.1	6.5
EXPEDITE (CL 307)	6.3	6.1	7.1	6.7	6.0	5.6	6.9	6.8	7.1	6.5
DOMINATOR (PST-2AG4)	6.3	6.4	6.6	6.3	5.3	6.3	6.9	6.6	7.2	6.5
PEPPER (RAD-PR62)	7.0	5.8	6.8	6.7	6.0	6.5	6.5	6.5	7.0	6.5
APR 2320	7.5	6.1	6.6	6.3	6.7	5.8	6.8	6.3	7.2	6.5
RIO VISTA	6.8	6.1	6.3	6.7	6.0	5.5	6.8	7.1	7.1	6.5
SR 4650 (PSRX-3701)	6.3	6.0	6.3	6.0	6.3	6.0	6.9	6.7	7.2	6.5
LTP-RAE	7.3	5.8	6.6	6.0	6.7	5.9	6.8	6.6	6.8	6.5
BANFIELD (IS-PR 491)	7.0	6.1	6.4	6.3	4.8	5.9	6.9	6.9	7.2	6.5
PREMIUM (PPG-PR 137)	6.7	6.2	6.4	6.3	6.3	5.8	7.0	6.3	7.1	6.5
PIZZAZZ 2 GLR (PR 909)	6.0	6.0	6.4	6.0	6.0	5.9	6.8	6.9	7.2	6.5
SUNSTREAKER (APR 2036)	6.5	6.2	6.6	6.7	5.8	6.6	6.3	6.3	7.3	6.5
JR-178	6.7	6.1	6.2	6.0	5.5	6.2	7.0	6.5	7.2	6.5
STELLAR 3GL (PPG-PR 134)	7.0	6.0	6.4	6.3	5.0	5.5	6.9	7.0	7.0	6.4

TABLE 27. (CONT'D) GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									
	IA1	IL1	MA1	MI1	MN1	MO1	NE1	NJ2	OR1	MEAN
PISTOL (PST-2ACR)	7.0	6.1	6.7	6.7	5.8	5.6	6.8	6.3	6.9	6.4
SOX FAN (GM3)	6.7	6.1	6.9	6.0	5.7	5.5	6.7	6.4	7.2	6.4
GREEN SUPREME (PPG-PR 121)	6.8	5.8	6.3	6.0	5.3	6.0	6.9	6.3	7.3	6.4
PROVOST (PPG-PR 143)	7.5	5.9	6.2	6.0	5.8	5.8	6.8	6.2	7.0	6.4
SIDEWAYS (PSRX-S84)	6.7	5.9	6.2	6.0	5.2	5.8	6.8	6.9	6.8	6.3
PRX-4GM1	6.7	6.1	6.6	6.0	5.3	5.8	6.6	6.5	7.0	6.3
METOLIUS (PPG-PR 165)	6.3	5.8	6.2	6.3	5.7	5.8	6.8	6.3	7.3	6.3
MONSIEUR (IS-PR 488)	7.2	6.3	6.7	6.0	5.5	5.8	6.8	5.7	7.1	6.3
PST-2K9	6.5	6.0	6.3	6.0	5.3	6.0	6.9	5.9	7.0	6.3
UNO	6.7	5.9	6.4	6.0	5.2	5.7	6.8	6.4	7.1	6.3
KARMA (PICK 10401)	6.7	6.1	5.9	6.3	5.7	5.8	6.8	6.1	7.0	6.3
PPG-PR 128	6.8	6.2	6.3	6.0	4.7	5.9	6.9	5.6	7.3	6.3
LTP-PR 135	6.7	6.1	5.8	6.0	5.3	6.0	6.9	5.8	7.1	6.2
PILLAR (CST)	6.5	6.1	6.1	6.0	6.2	6.3	6.9	5.2	6.8	6.2
WICKED (SRX-4RHD)	7.0	6.2	5.8	6.3	5.0	5.8	6.8	5.9	7.1	6.2
PPG-PR 142	6.5	5.9	6.4	6.0	5.3	5.7	7.0	5.8	7.0	6.2
BONNEVILLE	6.8	5.8	6.4	6.3	4.7	5.9	6.7	6.2	6.9	6.2
PST-2DR9	6.5	5.9	6.6	6.0	5.0	5.4	6.9	6.0	7.1	6.2
FASTBALL RGL (PPG-PR 133)	6.5	5.8	6.1	6.3	5.0	5.7	6.8	6.0	6.9	6.2
PLAYOFF 2 (P02)	6.5	6.2	6.3	6.3	5.0	5.5	6.9	5.4	6.9	6.2
JR-192	6.3	6.1	5.8	6.0	5.8	5.9	7.0	5.4	6.7	6.2
PICK 4DFHM	6.5	6.2	6.4	6.0	5.2	6.1	6.7	5.3	6.8	6.1
PST-PARKSIDE (PST-2NJK)	6.3	6.3	5.9	6.0	5.5	5.4	6.8	5.8	6.8	6.1
RAINWATER (PST-2TQL)	6.5	5.8	6.1	6.3	5.0	5.8	6.9	5.7	6.8	6.1
SR4660ST (SRX-4MSH)	6.8	5.8	6.3	6.0	4.7	5.9	7.0	5.3	6.8	6.1
APPLE SGL (PPG-PR 140)	7.0	6.0	6.2	6.0	5.7	5.7	6.8	4.9	6.8	6.1
PINNACLE III (BAR LP 10970)	6.8	5.9	6.6	6.0	5.2	5.5	6.9	5.3	6.8	6.1
BAR LP 10972	6.7	5.8	6.0	6.0	5.5	5.9	6.7	5.7	6.8	6.1
VISION (CL 11601)	7.0	6.2	5.6	6.7	5.0	5.5	6.4	5.7	6.9	6.1
PST-2NKM	6.8	5.5	6.0	6.0	5.2	5.6	6.8	5.7	6.8	6.0
BENCHMARK (PST-2BNS)	6.8	5.8	5.9	6.3	5.0	5.9	7.0	4.7	7.1	6.0
DLF LGD-3022	6.3	5.7	6.7	6.0	5.7	5.2	6.8	5.2	7.0	6.0
STAMINA (IS-PR 487)	6.3	5.8	6.2	6.3	4.7	5.5	6.7	5.3	7.1	6.0
SIENNA	7.2	5.9	5.6	5.7	5.0	5.8	6.3	5.6	6.8	6.0
SALINAS II (PST-204D)	6.5	5.8	5.7	6.0	5.2	5.4	6.7	5.8	6.8	5.9
HAVEN (APR 2038)	6.5	5.8	6.0	5.3	4.2	5.7	6.8	5.0	6.8	5.9
BAR LP 10969	6.3	5.5	6.0	6.0	4.7	5.8	6.7	4.6	6.7	5.8
ALLANTE	6.2	5.8	5.4	5.7	4.8	5.3	6.5	5.0	6.5	5.7
BRIGHTSTAR SLT	6.2	5.7	5.6	6.0	4.2	5.2	6.8	4.8	6.5	5.7
INSIGHT	6.7	5.5	5.3	6.0	4.2	5.3	6.3	5.1	6.6	5.7
BAR LP 7608	6.3	5.3	5.7	5.7	3.8	5.3	6.5	3.4	6.4	5.4
PINNACLE	5.5	4.5	4.6	5.0	2.0	4.3	6.2	1.7	5.8	4.4
LINN	5.5	2.8	3.3	3.0	1.0	3.3	5.5	1.0	5.8	3.6
LSD VALUE	1.1	0.8	0.9	0.7	1.2	1.2	0.6	1.3	0.8	0.4
C.V. (%)	10.1	8.3	8.8	7.2	12.8	12.3	5.6	13.4	6.8	9.7

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

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

TABLE 28. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

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

NAME	IA1	IL1	MA1	MD1	NE1	NJ2	MEAN
VISION (CL 11601)	6.3	7.2	5.3	7.3	4.9	6.0	6.1
VINTAGE (ISG-36)	6.7	6.8	4.3	7.0	5.1	5.3	5.9
SEDUCTIVE (ISG-30)	6.0	6.3	4.7	7.3	5.2	6.0	5.8
PANGEA GLR (CL 11701)	7.0	6.1	4.7	7.3	4.8	7.3	5.8
BANFIELD (IS-PR 491)	5.7	6.4	4.3	7.3	5.0	6.3	5.8
ASP 0112 (A-35)	6.7	6.3	5.7	7.3	4.7	5.3	5.8
RINOVO	5.0	6.4	4.7	7.7	4.9	6.3	5.8
HANCOCK (IS-PR 479)	5.7	5.9	4.7	7.3	5.5	5.3	5.7
APR 2320	6.0	6.1	5.0	6.7	5.1	6.0	5.7
WICKED (SRX-4RHD)	6.0	6.3	4.3	7.3	4.7	6.7	5.7
SOX FAN (GM3)	6.3	6.2	5.3	7.3	4.7	6.0	5.7
GO-G37	6.0	6.3	5.0	7.0	4.6	6.3	5.7
PIZZAZZ 2 GLR (PR 909)	5.0	6.3	4.7	7.7	4.9	5.7	5.7
BENCHMARK (PST-2BNS)	6.0	6.3	5.3	7.0	4.6	6.0	5.6
GO-DHS	6.7	5.4	4.7	6.7	5.3	6.7	5.6
LTP-RAE	5.7	6.3	4.7	7.0	5.0	5.0	5.6
BANDALORE (IS-PR 463)	5.3	6.0	5.3	6.7	4.8	7.0	5.6
SR 4650 (PSRX-3701)	6.3	6.0	5.3	6.7	4.9	5.3	5.6
RIO VISTA	5.0	5.8	5.3	8.0	4.8	6.3	5.6
PROMINENT (CS-20)	5.0	6.2	4.7	7.0	5.0	5.3	5.6
DLF LGT 4182	5.7	5.5	4.3	7.3	5.0	7.3	5.6
GO-PR60	5.0	5.7	5.7	7.3	4.8	6.7	5.6
PRX-4GM1	5.3	5.8	5.3	6.7	5.2	5.7	5.6
RAD-PR55R	4.0	5.9	5.3	7.7	4.9	6.3	5.6
STAMINA (IS-PR 487)	5.7	6.1	5.0	6.7	5.0	5.0	5.6
PISTOL (PST-2ACR)	5.0	6.3	4.3	7.0	4.5	6.7	5.5
DILIGENT (IS-PR 492)	4.3	6.5	5.3	7.3	4.4	5.7	5.5
GRAND SLAM GLD (PPG-PR 164)	5.3	6.4	5.0	6.7	4.5	5.7	5.5
PPG-PR 128	5.3	6.0	4.7	7.3	4.8	5.7	5.5
PREMIUM (PPG-PR 137)	6.0	5.8	4.0	7.3	5.1	5.7	5.5
RIPTIDE (IS-PR 409)	6.0	6.1	5.3	7.0	4.5	5.7	5.5
APR 2445	5.0	6.0	4.7	7.0	4.6	7.0	5.5
PINNACLE III (BAR LP 10970)	5.3	5.6	4.7	7.0	5.1	6.3	5.5
FIESTA 4	5.3	5.8	4.7	7.3	4.8	6.3	5.5
MANHATTAN 6 GLR (PST-2MAGS)	5.0	5.9	5.3	6.7	4.8	6.0	5.5
THRIVE (IS-PR 469)	4.3	5.7	4.3	6.7	5.4	6.3	5.5
UNO	5.3	5.8	5.0	7.3	4.8	6.3	5.5
DOMINATOR (PST-2AG4)	6.0	5.9	4.7	7.0	4.4	6.7	5.5
MACH I	5.7	5.6	5.0	7.7	4.7	6.3	5.5
PST-PARKSIDE (PST-2NJK)	5.7	5.6	4.7	7.0	5.1	5.7	5.5
SUNSTREAKER (APR 2036)	6.0	5.8	5.7	7.0	4.5	5.7	5.5
PICK 4DFHM	5.3	5.8	4.7	6.7	4.8	6.0	5.4
KARMA (PICK 10401)	5.3	5.8	4.3	6.7	5.2	5.3	5.4
PSRX-4CAGL	4.3	5.8	4.7	7.3	5.0	6.0	5.4
HAVEN (APR 2038)	4.7	5.8	4.7	7.0	4.9	6.3	5.4

TABLE 28. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2011-14 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/							
NAME	IA1	IL1	MA1	MD1	NE1	NJ2	MEAN
EVOLUTION (S85)	4.7	6.0	5.7	7.3	4.7	4.7	5.4
EXCELLENCE (ISG-31)	6.0	6.3	4.7	6.3	4.3	6.0	5.4
FASTBALL RGL (PPG-PR 133)	4.7	6.3	5.0	7.3	4.3	6.0	5.4
JR-178	5.0	6.0	4.7	7.7	4.7	4.3	5.4
PALMER V	5.3	5.8	4.7	6.7	4.6	6.3	5.4
STELLAR 3GL (PPG-PR 134)	5.0	6.0	5.0	6.7	4.5	5.7	5.4
SR4660ST (SRX-4MSH)	4.3	5.8	4.7	6.7	4.9	5.3	5.3
ASPIRE (IS-PR 489)	4.7	5.5	5.3	7.0	4.8	5.7	5.3
BONNEVILLE	5.0	5.6	5.0	7.0	4.6	6.3	5.3
BAR LP 10969	5.3	5.5	5.0	6.7	4.4	7.0	5.3
GREEN SUPREME(PPG-PR 121)	5.3	5.5	5.0	7.0	4.7	5.7	5.3
PPG-PR 136	5.7	5.8	4.3	7.0	4.6	5.3	5.3
APPLE SGL (PPG-PR 140)	5.3	5.8	4.7	7.3	4.8	3.7	5.3
METOLIUS (PPG-PR 165)	5.0	5.8	5.0	7.0	4.7	4.7	5.3
MONSIEUR (IS-PR 488)	3.7	6.1	4.0	7.3	4.3	6.7	5.3
DLF LGD-3022	5.0	6.2	5.0	7.0	4.3	4.3	5.3
JR-192	6.3	5.8	3.7	7.0	4.8	4.0	5.3
PILLAR (CST)	5.3	5.8	5.0	7.3	4.5	4.7	5.3
CS-PR66	4.7	5.8	4.7	7.0	4.4	5.7	5.3
INSIGHT	4.3	5.4	4.3	6.0	5.1	6.3	5.3
OCTANE	5.3	5.1	5.0	8.0	4.8	5.3	5.3
PST-2K9	4.3	5.5	4.3	6.7	4.9	6.0	5.3
PACIFIC GEM (PST-2MG7)	5.3	5.7	4.0	6.7	4.8	5.0	5.2
BRIGHTSTAR SLT	4.7	5.7	4.7	6.3	4.4	6.7	5.2
EXPEDITE (CL 307)	4.7	5.8	4.3	6.7	4.3	6.7	5.2
LTP-PR 135	5.0	5.3	5.7	7.0	4.8	4.7	5.2
SIDEWAYS (PSRX-S84)	5.7	5.7	5.3	7.7	4.3	4.0	5.2
PEPPER (RAD-PR62)	5.0	5.7	4.7	7.0	4.3	5.7	5.2
RAINWATER (PST-2TQL)	4.7	5.9	4.0	6.0	4.5	6.0	5.2
PINNACLE	5.0	5.4	5.0	5.3	4.0	9.0	5.2
PLAYOFF 2 (P02)	4.3	5.8	5.0	7.0	4.3	5.0	5.1
DLF LGD-3026	4.0	5.1	4.7	7.0	5.0	5.3	5.1
BAR LP 7608	5.3	4.9	5.0	7.0	4.5	6.3	5.1
PPG-PR 142	5.3	5.4	4.7	7.0	4.7	4.0	5.1
PST-2DR9	4.7	5.3	5.0	7.0	4.3	6.0	5.1
SALINAS II (PST-204D)	5.3	5.3	4.3	6.7	4.4	6.3	5.1
ALLANTE	3.7	5.5	4.0	6.7	4.9	4.7	5.1
BAR LP 10972	4.7	5.3	3.3	6.3	4.7	6.7	5.1
PROVOST (PPG-PR 143)	5.0	5.7	4.3	8.0	4.2	4.0	5.1
PST-2NKM	5.0	5.2	4.0	6.3	4.6	6.0	5.0
SIENNA	3.3	5.6	5.0	7.0	4.4	4.7	5.0
AMAZING A+ (PPG-PR 138)	4.3	5.5	4.7	7.0	4.4	3.7	4.9
LINN	3.0	5.3	4.0	5.3	3.6	9.0	4.7
LSD VALUE	1.7	1.4	0.9	0.9	1.2	1.8	0.8
C.V. (%)	20.0	15.7	11.5	8.0	19.2	18.9	16.0

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

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

TABLE 29. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

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

NAME	MO1	NAME	MO1
SIENNA	6.7	GO-DHS	6.1
INSIGHT	6.6	GO-PR60	6.1
HANCOCK (IS-PR 479)	6.4	KARMA (PICK 10401)	6.1
LTP-RAE	6.4	LTP-PR 135	6.1
PPG-PR 136	6.4	PEPPER (RAD-PR62)	6.1
SR4660ST (SRX-4MSH)	6.4	PLAYOFF 2 (P02)	6.1
ALLANTE	6.3	PREMIUM (PPG-PR 137)	6.1
ASP 0112 (A-35)	6.3	PRX-4GM1	6.1
BAR LP 7608	6.3	PSRX-4CAGL	6.1
BRIGHTSTAR SLT	6.3	PST-2K9	6.1
DILIGENT (IS-PR 492)	6.3	SR 4650 (PSRX-3701)	6.1
EXCELLENCE (ISG-31)	6.3	SUNSTREAKER (APR 2036)	6.1
HAVEN (APR 2038)	6.3	VINTAGE (ISG-36)	6.1
JR-178	6.3	APPLE SGL (PPG-PR 140)	6.0
MACH I	6.3	APR 2445	6.0
PICK 4DFHM	6.3	ASPIRE (IS-PR 489)	6.0
RAINWATER (PST-2TQL)	6.3	PINNACLE III (BAR LP 10970)	6.0
RINOVO	6.3	DOMINATOR (PST-2AG4)	6.0
THRIVE (IS-PR 469)	6.3	EVOLUTION (S85)	6.0
APR 2320	6.2	EXPEDITE (CL 307)	6.0
BANFIELD (IS-PR 491)	6.2	JR-192	6.0
VISION (CL 11601)	6.2	MANHATTAN 6 GLR (PST-2MAGS)	6.0
GRAND SLAM GLD (PPG-PR 164)	6.2	MONSIEUR (IS-PR 488)	6.0
GREEN SUPREME(PPG-PR 121)	6.2	PANGEA GLR (CL 11701)	6.0
AMAZING A+ (PPG-PR 138)	6.2	PILLAR (CST)	6.0
BONNEVILLE	6.2	PISTOL (PST-2ACR)	6.0
CS-PR66	6.2	PIZZAZZ 2 GLR (PR 909)	6.0
DLF LGD-3022	6.2	PPG-PR 142	6.0
METOLIUS (PPG-PR 165)	6.2	PROMINENT (CS-20)	6.0
PACIFIC GEM (PST-2MG7)	6.2	PROVOST (PPG-PR 143)	6.0
PST-2DR9	6.2	RIO VISTA	6.0
PST-2NKM	6.2	RIPTIDE (IS-PR 409)	6.0
RAD-PR55R	6.2	SALINAS II (PST-204D)	6.0
SEDUCTIVE (ISG-30)	6.2	PST-PARKSIDE (PST-2NJK)	5.9
SIDEWAYS (PSRX-S84)	6.2	STAMINA (IS-PR 487)	5.9
SOX FAN (GM3)	6.2	STELLAR 3GL (PPG-PR 134)	5.9
WICKED (SRX-4RHD)	6.2	OCTANE	5.9
DLF LGD-3026	6.1	PPG-PR 128	5.9
GO-G37	6.1	UNO	5.9
PALMER V	6.1	PINNACLE	5.8
BANDALORE (IS-PR 463)	6.1	BAR LP 10969	5.8
BAR LP 10972	6.1	DLF LGT 4182	5.7
BENCHMARK (PST-2BNS)	6.1	LINN	4.0
FASTBALL RGL (PPG-PR 133)	6.1		
FIESTA 4	6.1	LSD VALUE	0.8
		C.V. (%)	8.0

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 30. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2010 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/					
NAME	CA3	MN1	MO1	OR1	MEAN
PALMER V	7.0	7.7	6.7	7.0	7.1
LINN	8.0	7.7	5.7	6.7	7.0
SOX FAN (GM3)	7.0	7.7	6.7	6.7	7.0
JR-192	6.7	7.3	6.7	7.0	6.9
VISION (CL 11601)	6.7	7.3	6.7	6.7	6.8
EXCELLENCE (ISG-31)	6.7	6.7	7.0	7.0	6.8
AMAZING A+ (PPG-PR 138)	6.7	7.3	6.7	6.7	6.8
SIENNA	6.0	8.0	6.7	6.7	6.8
DOMINATOR (PST-2AG4)	7.0	6.3	7.0	7.0	6.8
JR-178	7.0	7.0	6.3	7.0	6.8
LTP-PR 135	6.3	7.7	6.3	7.0	6.8
DILIGENT (IS-PR 492)	6.5	6.7	7.0	7.0	6.8
ALLANTE	6.3	8.3	5.7	6.7	6.8
PARKSIDE (PST-2NJK)	6.3	7.0	6.7	7.0	6.8
BRIGHTSTAR SLT	6.7	7.3	6.3	6.7	6.8
DLF LGD-3022	6.7	7.3	6.3	6.7	6.8
HAVEN (APR 2038)	6.7	6.7	6.7	7.0	6.8
OCTANE	5.3	7.7	7.0	7.0	6.8
PANGEA GLR (CL 11701)	6.3	7.7	6.7	6.3	6.8
KARMA (PICK 10401)	6.3	7.0	7.0	6.7	6.8
GREEN SUPREME (PPG-PR 121)	6.3	8.0	5.7	7.0	6.8
PPG-PR 128	6.3	7.3	6.3	7.0	6.8
FASTBALL RGL (PPG-PR 133)	6.0	7.3	6.7	7.0	6.8
STELLAR 3GL (PPG-PR 134)	6.3	6.7	7.3	6.7	6.8
GRAND SLAM GLD (PPG-PR 164)	6.3	7.3	6.3	7.0	6.8
RINOVO	6.3	7.3	6.3	7.0	6.8
EXPEDITE (CL 307)	6.0	7.3	7.3	6.3	6.8
BANDALORE (IS-PR 463)	7.0	7.0	6.0	6.7	6.7
INSIGHT	6.3	8.0	6.0	6.3	6.7
PST-2DR9	6.7	7.0	6.0	6.7	6.6
SIDEWAYS (PSRX-S84)	6.0	6.7	7.0	6.7	6.6
ASPIRE (IS-PR 489)	6.0	7.3	6.0	7.0	6.6
PST-2NKM	6.0	7.3	6.0	7.0	6.6
SR 4650 (PSRX-3701)	6.3	7.0	6.3	6.7	6.6
BAR LP 10969	6.7	6.7	6.0	6.7	6.5
PROMINENT (CS-20)	6.7	6.0	6.7	6.7	6.5
BAR LP 7608	6.3	7.0	5.7	7.0	6.5
VINTAGE (ISG-36)	7.0	6.3	6.0	6.7	6.5
APPLE SGL (PPG-PR 140)	6.3	7.0	6.0	6.7	6.5
PRX-4GM1	6.0	7.0	6.3	6.7	6.5
PISTOL (PST-2ACR)	6.3	7.0	6.0	6.7	6.5
PILLAR (CST)	6.7	6.7	6.0	6.3	6.4
DLF LGD-3026	6.3	6.7	5.7	7.0	6.4
GO-PR60	6.0	7.7	5.7	6.3	6.4
PINNACLE	5.3	7.7	6.0	6.7	6.4

TABLE 30. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2010 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/					
NAME	CA3	MN1	MO1	OR1	MEAN
PPG-PR 136	6.3	6.7	5.7	7.0	6.4
PSRX-4CAGL	6.0	7.0	6.0	6.7	6.4
MANHATTAN 6 GLR (PST-2MAGS)	6.3	6.7	6.0	6.7	6.4
RAINWATER (PST-2TQL)	6.0	6.3	6.7	6.7	6.4
EVOLUTION (S85)	6.0	6.7	6.3	6.7	6.4
WICKED (SRX-4RHD)	5.7	7.0	6.0	7.0	6.4
APR 2445	6.3	6.3	6.7	6.3	6.4
PREMIUM (PPG-PR 137)	6.3	7.3	5.7	6.3	6.4
PROVOST (PPG-PR 143)	6.0	7.3	6.0	6.3	6.4
GO-G37	6.7	6.0	5.7	7.0	6.3
PPG-PR 142	6.0	6.7	6.7	6.0	6.3
SALINAS II (PST-204D)	6.7	6.7	5.3	6.7	6.3
SUNSTREAKER (APR 2036)	6.0	6.3	6.7	6.3	6.3
PINNACLE III (BAR LP 10970)	6.3	6.3	5.7	7.0	6.3
SEDUCTIVE (ISG-30)	7.0	6.0	5.3	7.0	6.3
BENCHMARK (PST-2BNS)	6.0	7.3	5.7	6.3	6.3
PACIFIC GEM (PST-2MG7)	6.7	5.7	6.0	6.7	6.3
CS-PR66	6.3	6.7	6.3	5.7	6.3
STAMINA (IS-PR 487)	6.0	6.7	6.3	6.0	6.3
PLAYOFF 2 (P02)	6.3	6.7	6.0	6.0	6.3
PST-2K9	6.0	6.7	6.3	6.0	6.3
SR4660ST (SRX-4MSH)	6.0	7.0	5.3	6.7	6.3
UNO	4.7	7.7	6.3	6.3	6.3
BONNEVILLE	5.0	6.7	6.0	7.0	6.2
BANFIELD (IS-PR 491)	6.0	6.7	5.7	6.3	6.2
PEPPER (RAD-PR62)	5.3	7.3	5.3	6.7	6.2
RIO VISTA	5.0	7.0	6.0	6.7	6.2
BAR LP 10972	6.3	6.0	6.0	6.3	6.2
FIESTA 4	5.7	7.3	5.3	6.3	6.2
DLF LGT 4182	6.7	5.0	5.7	7.0	6.1
GO-DHS	6.7	6.3	4.7	6.7	6.1
MACH I	6.0	6.0	5.7	6.7	6.1
HANCOCK (IS-PR 479)	6.0	5.7	6.3	6.3	6.1
PIZZAZZ 2 GLR (PR 909)	4.3	7.3	6.7	6.0	6.1
RIPTIDE (IS-PR 409)	4.7	6.7	6.0	6.7	6.0
ASP 0112 (A-35)	6.3	6.0	5.0	6.7	6.0
LTP-RAE	6.3	6.0	5.7	6.0	6.0
APR 2320	6.3	6.0	5.3	6.3	6.0
PICK 4DFHM	4.7	7.0	5.3	6.3	5.8
THRIVE (IS-PR 469)	4.3	6.3	6.7	5.7	5.8
RAD-PR55R	4.7	6.3	5.7	6.3	5.8
MONSIEUR (IS-PR 488)	6.0	6.0	5.0	5.7	5.7
METOLIUS (PPG-PR 165)	4.3	6.7	5.3	6.3	5.7
LSD VALUE	1.8	1.1	1.6	1.0	0.7
C.V. (%)	18.2	9.5	16.1	9.2	13.5

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

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

TABLE 31. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

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

NAME	MA1	NAME	MA1
VISION (CL 11601)	6.7	RINOVO	6.0
GREEN SUPREME (PPG-PR 121)	6.7	SIDEWAYS (PSRX-S84)	6.0
INSIGHT	6.7	SIENNA	6.0
STAMINA (IS-PR 487)	6.7	SOX FAN (GM3)	6.0
AMAZING A+ (PPG-PR 138)	6.3	SR 4650 (PSRX-3701)	6.0
APPLE SGL (PPG-PR 140)	6.3	STELLAR 3GL (PPG-PR 134)	6.0
APR 2445	6.3	THRIVE (IS-PR 469)	6.0
ASPIRE (IS-PR 489)	6.3	UNO	6.0
BANDALORE (IS-PR 463)	6.3	WICKED (SRX-4RHD)	6.0
PINNACLE III (BAR LP 10970)	6.3	ALLANTE	5.7
BAR LP 7608	6.3	BRIGHTSTAR SLT	5.7
BENCHMARK (PST-2BNS)	6.3	DOMINATOR (PST-2AG4)	5.7
BONNEVILLE	6.3	KARMA (PICK 10401)	5.7
DLF LGD-3022	6.3	LTP-PR 135	5.7
FIESTA 4	6.3	LTP-RAE	5.7
HANCOCK (IS-PR 479)	6.3	MANHATTAN 6 GLR (PST-2MAGS)	5.7
MONSIEUR (IS-PR 488)	6.3	PICK 4DFHM	5.7
OCTANE	6.3	PILLAR (CST)	5.7
PPG-PR 136	6.3	PPG-PR 128	5.7
RIO VISTA	6.3	PRX-4GM1	5.7
RIPTIDE (IS-PR 409)	6.3	PSRX-4CAGL	5.7
SR4660ST (SRX-4MSH)	6.3	PST-2DR9	5.7
SUNSTREAKER (APR 2036)	6.3	PST-2K9	5.7
APR 2320	6.0	SEDUCTIVE (ISG-30)	5.7
BAR LP 10969	6.0	BANFIELD (IS-PR 491)	5.3
CS-PR66	6.0	EXCELLENCE (ISG-31)	5.3
DILIGENT (IS-PR 492)	6.0	HAVEN (APR 2038)	5.3
DLF LGD-3026	6.0	PANGEA GLR (CL 11701)	5.3
EVOLUTION (S85)	6.0	PLAYOFF 2 (P02)	5.3
EXPEDITE (CL 307)	6.0	PST-2NKM	5.3
FASTBALL RGL (PPG-PR 133)	6.0	SALINAS II (PST-204D)	5.3
GO-PR60	6.0	ASP 0112 (A-35)	5.0
GRAND SLAM GLD (PPG-PR 164)	6.0	BAR LP 10972	5.0
JR-178	6.0	GO-G37	5.0
MACH I	6.0	JR-192	5.0
METOLIUS (PPG-PR 165)	6.0	PACIFIC GEM (PST-2MG7)	5.0
PALMER V	6.0	PEPPER (RAD-PR62)	5.0
PINNACLE	6.0	PISTOL (PST-2ACR)	5.0
PIZZAZZ 2 GLR (PR 909)	6.0	PROMINENT (CS-20)	5.0
PPG-PR 142	6.0	VINTAGE (ISG-36)	5.0
PREMIUM (PPG-PR 137)	6.0	GO-DHS	4.7
PROVOST (PPG-PR 143)	6.0	DLF LGT 4182	4.3
PST-PARKSIDE (PST-2NJK)	6.0	LINN	3.3
RAD-PR55R	6.0		
RAINWATER (PST-2TQL)	6.0	LSD VALUE	1.0
		C.V. (%)	10.8

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

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

TABLE 32. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

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

NAME	MA1	NAME	MA1
INSIGHT	7.3	PROMINENT (CS-20)	6.0
ALLANTE	6.7	PRX-4GM1	6.0
APR 2320	6.7	PSRX-4CAGL	6.0
BRIGHTSTAR SLT	6.7	RAD-PR55R	6.0
VISION (CL 11601)	6.7	SR4660ST (SRX-4MSH)	6.0
CS-PR66	6.7	SUNSTREAKER (APR 2036)	6.0
MACH I	6.7	UNO	6.0
METOLIUS (PPG-PR 165)	6.7	BAR LP 7608	5.7
SIENNA	6.7	DLF LGD-3026	5.7
SR 4650 (PSRX-3701)	6.7	EVOLUTION (S85)	5.7
VINTAGE (ISG-36)	6.7	GO-G37	5.7
APPLE SGL (PPG-PR 140)	6.3	GRAND SLAM GLD (PPG-PR 164)	5.7
APR 2445	6.3	JR-178	5.7
ASPIRE (IS-PR 489)	6.3	LTP-RAE	5.7
BANDALORE (IS-PR 463)	6.3	MANHATTAN 6 GLR (PST-2MAGS)	5.7
BENCHMARK (PST-2BNS)	6.3	PACIFIC GEM (PST-2MG7)	5.7
DILIGENT (IS-PR 492)	6.3	PANGEA GLR (CL 11701)	5.7
EXPEDITE (CL 307)	6.3	PEPPER (RAD-PR62)	5.7
FIESTA 4	6.3	PLAYOFF 2 (P02)	5.7
GO-PR60	6.3	PPG-PR 128	5.7
GREEN SUPREME (PPG-PR 121)	6.3	PST-2K9	5.7
HANCOCK (IS-PR 479)	6.3	PST-PARKSIDE (PST-2NJK)	5.7
JR-192	6.3	PST-2NKM	5.7
KARMA (PICK 10401)	6.3	RAINWATER (PST-2TQL)	5.7
MONSIEUR (IS-PR 488)	6.3	RIO VISTA	5.7
OCTANE	6.3	SEDUCTIVE (ISG-30)	5.7
PILLAR (CST)	6.3	SIDEWAYS (PSRX-S84)	5.7
PPG-PR 136	6.3	SOX FAN (GM3)	5.7
PREMIUM (PPG-PR 137)	6.3	STELLAR 3GL (PPG-PR 134)	5.7
PST-2DR9	6.3	WICKED (SRX-4RHD)	5.7
RINOVO	6.3	BANFIELD (IS-PR 491)	5.3
RIPTIDE (IS-PR 409)	6.3	BAR LP 10972	5.3
THRIVE (IS-PR 469)	6.3	DLF LGD-3022	5.3
AMAZING A+ (PPG-PR 138)	6.0	GO-DHS	5.3
ASP 0112 (A-35)	6.0	HAVEN (APR 2038)	5.3
BAR LP 10969	6.0	PINNACLE	5.3
PINNACLE III (BAR LP 10970)	6.0	PROVOST (PPG-PR 143)	5.3
DOMINATOR (PST-2AG4)	6.0	SALINAS II (PST-204D)	5.3
EXCELLENCE (ISG-31)	6.0	STAMINA (IS-PR 487)	5.3
FASTBALL RGL (PPG-PR 133)	6.0	BONNEVILLE	5.0
LTP-PR 135	6.0	DLF LGT 4182	5.0
PALMER V	6.0	PISTOL (PST-2ACR)	5.0
PICK 4DFHM	6.0	LINN	3.7
PIZZAZZ 2 GLR (PR 909)	6.0		
PPG-PR 142	6.0	LSD VALUE	0.9
		C.V. (%)	9.6

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

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

TABLE 33. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

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

NAME	MA1	NAME	MA1
ALLANTE	7.0	RIO VISTA	6.0
GRAND SLAM GLD (PPG-PR 164)	6.7	SIDEWAYS (PSRX-S84)	6.0
INSIGHT	6.7	SOX FAN (GM3)	6.0
KARMA (PICK 10401)	6.7	STAMINA (IS-PR 487)	6.0
RINOVO	6.7	THRIVE (IS-PR 469)	6.0
SIENNA	6.7	UNO	6.0
SR4660ST (SRX-4MSH)	6.7	APPLE SGL (PPG-PR 140)	5.7
BENCHMARK (PST-2BNS)	6.3	APR 2320	5.7
BONNEVILLE	6.3	BANDALORE (IS-PR 463)	5.7
VISION (CL 11601)	6.3	DLF LGD-3022	5.7
EXPEDITE (CL 307)	6.3	DLF LGD-3026	5.7
GREEN SUPREME(PPG-PR 121)	6.3	EVOLUTION (S85)	5.7
JR-178	6.3	EXCELLENCE (ISG-31)	5.7
MACH I	6.3	GO-G37	5.7
PIZZAZZ 2 GLR (PR 909)	6.3	GO-PR60	5.7
PPG-PR 128	6.3	HAVEN (APR 2038)	5.7
PPG-PR 136	6.3	JR-192	5.7
PREMIUM (PPG-PR 137)	6.3	MANHATTAN 6 GLR (PST-2MAGS)	5.7
PRX-4GM1	6.3	PACIFIC GEM (PST-2MG7)	5.7
PST-2NKM	6.3	PALMER V	5.7
RIPTIDE (IS-PR 409)	6.3	PLAYOFF 2 (P02)	5.7
SEDUCTIVE (ISG-30)	6.3	PST-2DR9	5.7
SR 4650 (PSRX-3701)	6.3	SALINAS II (PST-204D)	5.7
WICKED (SRX-4RHD)	6.3	APR 2445	5.3
AMAZING A+ (PPG-PR 138)	6.0	ASP 0112 (A-35)	5.3
ASPIRE (IS-PR 489)	6.0	PINNACLE III (BAR LP 10970)	5.3
BANFIELD (IS-PR 491)	6.0	BAR LP 10972	5.3
BAR LP 10969	6.0	GO-DHS	5.3
BAR LP 7608	6.0	OCTANE	5.3
BRIGHTSTAR SLT	6.0	PANGEA GLR (CL 11701)	5.3
CS-PR66	6.0	PEPPER (RAD-PR62)	5.3
DILIGENT (IS-PR 492)	6.0	PINNACLE	5.3
DOMINATOR (PST-2AG4)	6.0	PST-2K9	5.3
FASTBALL RGL (PPG-PR 133)	6.0	PST-PARKSIDE (PST-2NJK)	5.3
FIESTA 4	6.0	RAD-PR55R	5.3
HANCOCK (IS-PR 479)	6.0	RAINWATER (PST-2TQL)	5.3
LTP-PR 135	6.0	STELLAR 3GL (PPG-PR 134)	5.3
LTP-RAE	6.0	SUNSTREAKER (APR 2036)	5.3
METOLIUS (PPG-PR 165)	6.0	VINTAGE (ISG-36)	5.3
MONSIEUR (IS-PR 488)	6.0	DLF LGT 4182	5.0
PICK 4DFHM	6.0	PISTOL (PST-2ACR)	5.0
PILLAR (CST)	6.0	PROMINENT (CS-20)	5.0
PPG-PR 142	6.0	LINN	3.0
PROVOST (PPG-PR 143)	6.0		
PSRX-4CAGL	6.0	LSD VALUE	0.9
		C.V. (%)	10.1

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 34. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/							
NAME	MO1	VA1	MEAN	NAME	MO1	VA1	MEAN
PST-PARKSIDE (PST-2NJK)	95.3	92.0	94.2	PACIFIC GEM (PST-2MG7)	88.0	90.3	89.0
PICK 4DFHM	93.8	92.8	93.7	OCTANE	88.7	89.5	88.9
CS-PR66	92.3	93.7	93.5	FIESTA 4	86.7	90.3	88.8
DLF LGT 4182	92.0	95.3	93.1	SR 4650 (PSRX-3701)	84.7	95.3	88.7
SR4660ST (SRX-4MSH)	93.7	92.0	93.1	SOX FAN (GM3)	86.2	93.7	88.7
PST-2K9	91.5	92.0	92.4	SEDUCTIVE (ISG-30)	85.2	92.8	88.6
UNO	93.0	89.5	92.1	LINN	85.0	95.3	88.6
PREMIUM (PPG-PR 137)	90.0	93.7	91.9	PST-2DR9	84.2	94.5	88.6
PINNACLE III (BAR LP 10970)	91.5	91.2	91.8	RAINWATER (PST-2TQL)	84.8	93.7	88.5
PST-2NKM	90.5	93.7	91.8	EXPEDITE (CL 307)	87.3	88.7	88.2
BAR LP 7608	92.0	91.2	91.7	PISTOL (PST-2ACR)	89.8	83.7	88.2
WICKED (SRX-4RHD)	89.8	93.7	91.6	PALMER V	85.5	92.8	88.2
ASPIRE (IS-PR 489)	90.7	91.2	91.3	RINOVO	83.8	96.2	88.2
EXCELLENCE (ISG-31)	90.7	90.3	91.0	RIPTIDE (IS-PR 409)	86.3	91.2	88.2
MONSIEUR (IS-PR 488)	89.0	93.7	91.0	VINTAGE (ISG-36)	87.0	89.5	88.1
BANDALORE (IS-PR 463)	89.7	92.8	90.9	BANFIELD (IS-PR 491)	83.0	95.3	87.6
KARMA (PICK 10401)	88.0	96.2	90.9	PPG-PR 136	83.8	94.5	87.6
EVOLUTION (S85)	89.5	93.7	90.9	BRIGHTSTAR SLT	83.0	94.5	87.3
JR-178	89.5	93.7	90.9	DILIGENT (IS-PR 492)	86.3	87.8	87.3
STELLAR 3GL (PPG-PR 134)	90.3	91.2	90.8	MANHATTAN 6 GLR (PST-2MAGS)	84.7	92.0	87.3
JR-192	89.0	92.8	90.7	SUNSTREAKER (APR 2036)	83.8	92.8	87.1
SIDEWAYS (PSRX-S84)	90.3	91.2	90.6	PRX-4GM1	84.5	92.0	87.0
GO-DHS	90.0	89.5	90.5	BONNEVILLE	85.7	87.8	86.8
BAR LP 10972	89.8	90.3	90.4	METOLIUS (PPG-PR 165)	84.0	90.3	86.8
GO-G37	89.8	90.3	90.4	VISION (CL 11601)	82.2	95.3	86.8
APPLE SGL (PPG-PR 140)	88.8	92.8	90.4	PROMINENT (CS-20)	85.0	88.7	86.6
MACH I	89.7	91.2	90.4	PPG-PR 142	83.0	92.0	86.2
PEPPER (RAD-PR62)	88.8	92.8	90.4	AMAZING A+ (PPG-PR 138)	82.3	92.0	86.0
THRIVE (IS-PR 469)	88.0	92.0	90.4	DLF LGD-3022	82.2	92.8	85.9
PILLAR (CST)	87.8	95.3	90.3	APR 2320	82.3	88.7	85.4
DOMINATOR (PST-2AG4)	88.0	93.7	90.1	RIO VISTA	79.7	93.7	84.8
PINNACLE	88.0	93.7	90.1	SIENNA	80.3	93.7	84.8
APR 2445	88.8	90.3	89.8	INSIGHT	79.5	94.5	84.5
FASTBALL RGL (PPG-PR 133)	88.0	92.8	89.8	LTP-RAE	77.5	93.7	84.4
GREEN SUPREME(PPG-PR 121)	91.2	87.0	89.8	HANCOCK (IS-PR 479)	81.3	89.5	84.3
BENCHMARK (PST-2BNS)	88.0	92.0	89.6	SALINAS II (PST-204D)	80.2	89.5	84.2
PPG-PR 128	89.5	89.5	89.5	PROVOST (PPG-PR 143)	81.5	87.8	84.1
STAMINA (IS-PR 487)	89.5	89.5	89.5	PIZZAZZ 2 GLR (PR 909)	77.8	95.3	83.7
BAR LP 10969	87.3	91.2	89.3	DLF LGD-3026	74.3	95.3	82.2
HAVEN (APR 2038)	87.3	92.0	89.3	PSRX-4CAGL	78.2	87.8	81.8
ASP 0112 (A-35)	88.8	89.5	89.3	ALLANTE	74.8	92.8	81.6
LTP-PR 135	87.2	92.8	89.3	GRAND SLAM GLD (PPG-PR 164)	74.8	88.7	80.2
PLAYOFF 2 (P02)	86.3	94.5	89.3				
PANGEA GLR (CL 11701)	85.5	96.2	89.3	LSD VALUE	12.1	5.6	8.5
GO-PR60	87.3	90.3	89.1	C.V. (%)	9.5	4.1	7.3
RAD-PR55R	86.5	92.0	89.1				

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 35. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/							
NAME	MO1	VA1	MEAN	NAME	MO1	VA1	MEAN
UNO	95.7	99.0	96.3	EXPEDITE (CL 307)	89.2	96.0	91.1
PST-2NKM	96.2	96.0	96.0	SR4660ST (SRX-4MSH)	89.0	99.0	90.9
PISTOL (PST-2ACR)	96.0	96.0	95.8	BENCHMARK (PST-2BNS)	87.8	99.0	90.8
SUNSTREAKER (APR 2036)	94.5	99.0	95.8	PIZZAZZ 2 GLR (PR 909)	89.8	96.0	90.6
ALLANTE	93.8	99.0	95.7	WICKED (SRX-4RHD)	87.5	99.0	90.6
VISION (CL 11601)	94.8	96.0	95.2	LTP-RAE	87.5	96.0	90.3
GO-DHS	95.0	99.0	95.2	SIDEWAYS (PSRX-S84)	87.5	99.0	90.2
PANGEA GLR (CL 11701)	95.2	96.0	95.1	PREMIUM (PPG-PR 137)	87.8	96.0	90.0
PROVOST (PPG-PR 143)	94.3	99.0	95.0	PRX-4GM1	86.7	99.0	89.8
PILLAR (CST)	95.2	96.0	94.9	PACIFIC GEM (PST-2MG7)	86.2	99.0	89.5
GO-PR60	93.5	99.0	94.8	LTP-PR 135	86.7	96.0	89.4
PSRX-4CAGL	94.5	96.0	94.8	INSIGHT	88.7	93.0	89.3
BAR LP 10972	93.3	99.0	94.8	ASP 0112 (A-35)	88.7	96.0	89.2
GRAND SLAM GLD (PPG-PR 164)	93.2	99.0	94.7	BAR LP 7608	87.5	93.0	89.1
GO-G37	92.5	99.0	94.3	RIO VISTA	89.0	93.0	89.0
PPG-PR 136	92.5	99.0	94.3	SR 4650 (PSRX-3701)	86.2	96.0	88.8
FASTBALL RGL (PPG-PR 133)	92.3	99.0	94.3	PEPPER (RAD-PR62)	86.7	93.0	88.7
PST-PARKSIDE (PST-2NJK)	92.8	99.0	94.3	HANCOCK (IS-PR 479)	85.0	99.0	88.5
SALINAS II (PST-204D)	94.2	96.0	94.3	GREEN SUPREME(PPG-PR 121)	86.7	93.0	88.3
DLF LGT 4182	93.2	99.0	94.0	FIESTA 4	85.0	99.0	88.1
RAD-PR55R	93.3	96.0	94.0	DOMINATOR (PST-2AG4)	84.2	99.0	88.1
BRIGHTSTAR SLT	93.2	96.0	93.9	DLF LGD-3026	85.0	93.0	87.8
JR-192	94.7	90.0	93.8	HAVEN (APR 2038)	86.3	93.0	87.7
STELLAR 3GL (PPG-PR 134)	92.3	96.0	93.7	PICK 4DFHM	82.5	99.0	87.7
EXCELLENCE (ISG-31)	91.7	99.0	93.5	APR 2445	80.3	99.0	87.0
MANHATTAN 6 GLR (PST-2MAGS)	93.7	93.0	93.4	BANFIELD (IS-PR 491)	84.2	93.0	87.0
PPG-PR 142	92.0	96.0	93.3	PALMER V	82.8	99.0	87.0
PST-2K9	92.5	96.0	93.2	JR-178	81.2	96.0	86.3
BAR LP 10969	92.8	96.0	92.9	PPG-PR 128	82.5	96.0	85.7
KARMA (PICK 10401)	90.7	96.0	92.8	DLF LGD-3022	80.8	99.0	85.2
AMAZING A+ (PPG-PR 138)	90.8	96.0	92.8	CS-PR66	80.0	99.0	85.2
DILIGENT (IS-PR 492)	90.3	96.0	92.5	PROMINENT (CS-20)	79.7	99.0	85.0
EVOLUTION (S85)	91.2	96.0	92.5	SIENNA	80.8	90.0	84.2
PLAYOFF 2 (P02)	92.0	96.0	92.5	VINTAGE (ISG-36)	77.5	96.0	83.2
APPLE SGL (PPG-PR 140)	90.8	96.0	92.3	RIPTIDE (IS-PR 409)	76.7	99.0	83.1
RAINWATER (PST-2TQL)	90.5	96.0	92.2	METOLIUS (PPG-PR 165)	76.7	96.0	81.9
BANDALORE (IS-PR 463)	90.8	96.0	91.9	SEDUCTIVE (ISG-30)	75.0	96.0	81.1
PST-2DR9	90.8	96.0	91.9	MONSIEUR (IS-PR 488)	75.3	96.0	80.8
STAMINA (IS-PR 487)	90.8	96.0	91.9	MACH I	75.0	99.0	80.2
ASPIRE (IS-PR 489)	92.0	93.0	91.8	PINNACLE	74.2	96.0	79.4
THRIVE (IS-PR 469)	91.3	96.0	91.8	OCTANE	74.0	93.0	79.0
APR 2320	90.8	93.0	91.6	LINN	60.0	99.0	68.9
BONNEVILLE	91.7	93.0	91.6				
SOX FAN (GM3)	88.3	99.0	91.4	LSD VALUE	16.1	6.4	11.9
RINOV0	90.3	93.0	91.3	C.V. (%)	11.4	4.1	9.6
PINNACLE III (BAR LP 10970)	88.8	99.0	91.3				

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 36. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/									
NAME	IA1	MO1	NJ2	MEAN	NAME	IA1	MO1	NJ2	MEAN
PST-PARKSIDE (PST-2NJK)	73.3	91.0	80.0	87.7	DILIGENT (IS-PR 492)	60.0	80.6	75.0	79.3
UNO	73.3	87.8	86.7	86.3	EVOLUTION (S85)	63.3	81.1	80.0	79.3
GO-DHS	63.3	87.8	78.3	85.0	PLAYOFF 2 (P02)	60.0	80.6	70.0	78.7
PISTOL (PST-2ACR)	56.7	87.3	76.7	84.0	RINOVO	53.3	77.2	88.3	78.5
SR4660ST (SRX-4MSH)	66.7	87.1	78.3	84.0	SALINAS II (PST-204D)	60.0	77.0	83.3	78.5
PANGEA GLR (CL 11701)	60.0	82.6	86.7	83.7	GRAND SLAM GLD (PPG-PR 164)	63.3	72.4	86.7	78.4
PST-2K9	53.3	87.4	81.7	83.6	BRIGHTSTAR SLT	83.3	73.9	85.0	78.1
PINNACLE III (BAR LP 10970)	60.0	86.7	76.7	83.0	PST-2DR9	56.7	78.3	85.0	78.1
PST-2NKM	73.3	83.3	80.0	83.0	DOMINATOR (PST-2AG4)	70.0	78.3	80.0	78.0
RAD-PR55R	63.3	84.4	75.0	82.8	APR 2320	63.3	78.0	78.3	77.8
EXPEDITE (CL 307)	76.7	81.1	85.0	82.8	HAVEN (APR 2038)	63.3	77.8	85.0	77.6
KARMA (PICK 10401)	50.0	83.8	86.7	82.7	PRX-4GM1	63.3	76.1	83.3	77.6
BAR LP 10972	46.7	87.6	70.0	82.4	PPG-PR 128	56.7	79.4	78.3	77.4
STELLAR 3GL (PPG-PR 134)	53.3	85.2	78.3	82.2	MACH I	56.7	79.4	78.3	77.0
GO-PR60	63.3	84.0	73.3	82.1	PROVOST (PPG-PR 143)	56.7	77.1	78.3	76.9
VISION (CL 11601)	70.0	77.7	90.0	82.1	ALLANTE	73.3	67.8	88.3	76.5
BONNEVILLE	66.7	82.6	75.0	82.0	SR 4650 (PSRX-3701)	66.7	74.7	91.7	76.3
BAR LP 7608	60.0	85.2	76.7	81.9	APR 2445	53.3	80.6	71.7	76.3
RAINWATER (PST-2TQL)	66.7	80.9	85.0	81.8	PACIFIC GEM (PST-2MG7)	73.3	77.2	78.3	76.3
GREEN SUPREME(PPG-PR 121)	63.3	82.8	86.7	81.7	PIZZAZZ 2 GLR (PR 909)	70.0	69.1	85.0	75.6
PICK 4DFHM	50.0	86.7	78.3	81.7	LTP-PR 135	60.0	76.7	75.0	75.4
WICKED (SRX-4RHD)	56.7	83.9	80.0	81.7	LTP-RAE	60.0	70.0	75.0	75.4
FASTBALL RGL (PPG-PR 133)	63.3	83.1	76.7	81.6	AMAZING A+ (PPG-PR 138)	43.3	75.6	81.7	74.6
DLF LGT 4182	56.7	86.0	66.7	81.6	JR-178	63.3	75.6	85.0	74.6
EXCELLENCE (ISG-31)	60.0	84.4	80.0	81.5	DLF LGD-3022	73.3	70.0	88.3	74.6
GO-G37	50.0	85.8	76.7	81.3	PINNACLE	70.0	73.3	90.0	74.4
THRIVE (IS-PR 469)	56.7	84.7	70.0	81.3	PROMINENT (CS-20)	78.3	72.6	73.3	74.2
BENCHMARK (PST-2BNS)	56.7	83.3	81.7	81.3	BANFIELD (IS-PR 491)	70.0	71.7	75.0	74.1
PREMIUM (PPG-PR 137)	60.0	84.4	81.7	81.3	RIO VISTA	63.3	70.0	80.0	73.7
ASP 0112 (A-35)	60.0	83.3	70.0	81.1	PSRX-4CAGL	50.0	71.0	78.3	73.4
PALMER V	60.0	79.8	88.3	81.1	OCTANE	70.0	71.9	91.7	72.8
JR-192	70.0	82.7	71.7	81.0	SUNSTREAKER (APR 2036)	53.3	72.6	73.3	71.8
BANDALORE (IS-PR 463)	63.3	82.8	80.0	80.9	VINTAGE (ISG-36)	63.3	73.0	75.0	71.7
PPG-PR 142	66.7	78.9	78.3	80.9	SIENNA	63.3	67.2	86.7	71.7
CS-PR66	66.7	85.0	68.3	80.7	SEDUCTIVE (ISG-30)	70.0	71.7	75.0	71.5
STAMINA (IS-PR 487)	60.0	82.8	71.7	80.7	METOLIUS (PPG-PR 165)	63.3	71.1	81.7	71.3
ASPIRE (IS-PR 489)	66.7	83.3	71.7	80.6	HANCOCK (IS-PR 479)	56.7	69.2	71.7	70.5
MANHATTAN 6 GLR (PST-2MAGS)	73.3	77.8	76.7	80.4	DLF LGD-3026	70.0	64.7	81.7	70.4
SIDEWAYS (PSRX-S84)	73.3	81.1	80.0	80.4	INSIGHT	56.7	67.2	85.0	70.4
PILLAR (CST)	53.3	83.0	68.3	80.2	MONSIEUR (IS-PR 488)	53.3	72.8	66.7	69.4
PEPPER (RAD-PR62)	53.3	83.0	73.3	80.0	LINN	63.3	65.0	86.7	66.5
FIESTA 4	53.3	81.1	83.3	80.0	RIPTIDE (IS-PR 409)	45.0	68.3	70.0	65.9
SOX FAN (GM3)	60.0	79.4	85.0	80.0					
PPG-PR 136	60.0	79.4	71.7	79.6	LSD VALUE	24.8	20.7	8.2	16.7
APPLE SGL (PPG-PR 140)	60.0	81.9	75.0	79.5	C.V. (%)	24.8	16.9	6.4	16.1
BAR LP 10969	66.7	81.1	75.0	79.4					

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

TABLE 37. PERCENT WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/ 3/

NAME	MA1	NAME	MA1
SIDEWAYS (PSRX-S84)	97.7	LTP-PR 135	68.3
ASPIRE (IS-PR 489)	94.3	PIZZAZZ 2 GLR (PR 909)	68.3
SALINAS II (PST-204D)	93.3	BAR LP 10969	66.7
UNO	93.3	DLF LGD-3022	66.7
MONSIEUR (IS-PR 488)	93.0	KARMA (PICK 10401)	66.3
PLAYOFF 2 (P02)	91.7	PISTOL (PST-2ACR)	65.0
PPG-PR 128	91.3	DLF LGT 4182	63.3
SR 4650 (PSRX-3701)	91.0	THRIVE (IS-PR 469)	63.0
PPG-PR 142	89.3	GO-G37	61.7
OCTANE	88.0	PEPPER (RAD-PR62)	61.7
SEDUCTIVE (ISG-30)	88.0	PST-2DR9	61.7
SR4660ST (SRX-4MSH)	86.7	CS-PR66	60.0
METOLIUS (PPG-PR 165)	86.0	PANGEA GLR (CL 11701)	58.3
PREMIUM (PPG-PR 137)	86.0	ASP 0112 (A-35)	56.7
PRX-4GM1	84.7	EVOLUTION (S85)	56.7
LTP-RAE	83.3	LINN	56.7
SOX FAN (GM3)	83.3	PICK 4DFHM	56.7
PST-PARKSIDE (PST-2NJK)	83.0	RAD-PR55R	56.7
EXPEDITE (CL 307)	81.7	BRIGHTSTAR SLT	55.0
GO-PR60	81.7	INSIGHT	55.0
AMAZING A+ (PPG-PR 138)	81.3	PROVOST (PPG-PR 143)	55.0
VISION (CL 11601)	81.3	ALLANTE	53.3
BONNEVILLE	80.0	MANHATTAN 6 GLR (PST-2MAGS)	53.3
GRAND SLAM GLD (PPG-PR 164)	80.0	EXCELLENCE (ISG-31)	51.7
HANCOCK (IS-PR 479)	80.0	FIESTA 4	51.7
PALMER V	80.0	PINNACLE III (BAR LP 10970)	50.0
PSRX-4CAGL	80.0	BANFIELD (IS-PR 491)	49.7
RIPTIDE (IS-PR 409)	79.7	RINOVO	48.3
DOMINATOR (PST-2AG4)	78.3	SIENNA	45.0
RAINWATER (PST-2TQL)	78.3	GREEN SUPREME (PPG-PR 121)	43.3
PST-2K9	76.7	HAVEN (APR 2038)	40.0
STAMINA (IS-PR 487)	76.7	PACIFIC GEM (PST-2MG7)	40.0
FASTBALL RGL (PPG-PR 133)	76.3	SUNSTREAKER (APR 2036)	40.0
BENCHMARK (PST-2BNS)	75.0	GO-DHS	38.3
JR-192	75.0	DILIGENT (IS-PR 492)	35.0
PINNACLE	75.0	RIO VISTA	35.0
WICKED (SRX-4RHD)	75.0	DLF LGD-3026	33.3
APPLE SGL (PPG-PR 140)	73.3	VINTAGE (ISG-36)	31.7
BAR LP 10972	73.3	APR 2320	30.0
BAR LP 7608	71.7	PILLAR (CST)	30.0
MACH I	71.7	BANDALORE (IS-PR 463)	23.3
APR 2445	70.0	PST-2NKM	20.0
PPG-PR 136	70.0		
PROMINENT (CS-20)	70.0		
STELLAR 3GL (PPG-PR 134)	69.7	LSD VALUE	38.6
JR-178	68.3	C.V. (%)	36.1

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

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

3/ PERCENT WINTER KILL RATED IN 2014 ONLY.

TABLE 38.

STEM RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

STEM RUST RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	IA1	MO1	PA1	MEAN	NAME	IA1	MO1	PA1	MEAN
EVOLUTION (S85)	8.3	6.7	9.0	7.7	PST-2K9	7.3	5.0	6.0	5.8
STELLAR 3GL (PPG-PR 134)	9.0	6.7	8.0	7.6	SEDUCTIVE (ISG-30)	4.7	5.0	8.7	5.8
OCTANE	8.7	6.3	9.0	7.6	GO-PR60	7.0	4.0	8.0	5.8
PANGEA GLR (CL 11701)	9.0	6.3	8.3	7.5	SR4660ST (SRX-4MSH)	8.7	3.7	7.0	5.8
BANFIELD (IS-PR 491)	8.3	6.3	8.7	7.4	ASPIRE (IS-PR 489)	7.0	3.7	8.3	5.7
BONNEVILLE	7.3	6.3	9.0	7.3	BENCHMARK (PST-2BNS)	7.7	4.0	7.0	5.7
GREEN SUPREME(PPG-PR 121)	8.7	6.0	8.3	7.3	RIPTIDE (IS-PR 409)	7.3	3.3	8.7	5.7
VISION (CL 11601)	8.3	5.7	9.0	7.2	APR 2445	5.7	4.3	8.3	5.7
RIO VISTA	7.7	6.0	9.0	7.2	PACIFIC GEM (PST-2MG7)	7.0	4.3	7.0	5.7
KARMA (PICK 10401)	8.7	6.3	7.3	7.2	MANHATTAN 6 GLR (PST-2MAGS)	8.3	3.3	7.3	5.6
EXPEDITE (CL 307)	8.7	5.7	8.3	7.1	PROMINENT (CS-20)	5.3	4.3	8.3	5.6
SR 4650 (PSRX-3701)	8.7	5.7	8.0	7.0	GO-G37	6.3	3.7	8.7	5.6
AMAZING A+ (PPG-PR 138)	9.0	5.3	7.7	6.8	SUNSTREAKER (APR 2036)	7.0	4.0	7.3	5.6
LTP-RAE	9.0	4.7	9.0	6.8	DLF LGD-3022	7.3	4.3	6.0	5.5
GRAND SLAM GLD (PPG-PR 164)	8.7	5.0	8.7	6.8	PPG-PR 142	6.3	4.3	7.0	5.5
STAMINA (IS-PR 487)	9.0	6.0	6.3	6.8	HANCOCK (IS-PR 479)	6.0	3.3	9.0	5.4
PIZZAZZ 2 GLR (PR 909)	8.0	5.3	8.7	6.8	SIENNA	7.3	3.3	7.7	5.4
PPG-PR 136	7.0	6.0	7.7	6.7	APR 2320	6.3	4.3	6.3	5.3
DILIGENT (IS-PR 492)	8.7	4.7	8.3	6.6	MACH I	5.7	3.7	8.0	5.3
PREMIUM (PPG-PR 137)	8.7	4.7	8.3	6.6	PST-2DR9	6.3	4.3	6.0	5.3
FASTBALL RGL (PPG-PR 133)	9.0	4.7	7.7	6.5	SALINAS II (PST-204D)	7.7	4.0	5.0	5.2
THRIVE (IS-PR 469)	7.7	4.7	9.0	6.5	PSRX-4CAGL	5.3	3.3	8.3	5.1
METOLIUS (PPG-PR 165)	7.3	5.0	8.3	6.4	ALLANTE	5.3	4.3	6.0	5.0
PROVOST (PPG-PR 143)	8.7	4.7	7.3	6.3	PINNACLE III (BAR LP 10970)	6.3	3.7	6.3	5.0
SIDEWAYS (PSRX-S84)	7.0	5.0	8.3	6.3	PST-2NKM	6.3	3.3	6.7	4.9
ASP 0112 (A-35)	6.7	4.7	9.0	6.3	INSIGHT	5.7	3.0	7.7	4.8
PPG-PR 128	8.7	4.3	7.7	6.3	PEPPER (RAD-PR62)	6.0	3.3	6.7	4.8
APPLE SGL (PPG-PR 140)	8.3	4.7	7.0	6.2	PLAYOFF 2 (P02)	5.7	4.3	4.7	4.8
PILLAR (CST)	7.7	5.0	7.0	6.2	DLF LGD-3026	7.7	3.0	5.0	4.7
JR-178	7.0	4.3	9.0	6.2	BAR LP 10969	5.7	4.0	4.3	4.5
LTP-PR 135	8.0	4.3	8.0	6.2	CS-PR66	3.3	3.3	8.0	4.5
MONSIEUR (IS-PR 488)	6.7	4.7	8.3	6.1	UNO	4.7	3.3	6.7	4.5
FIESTA 4	6.3	4.3	9.0	6.0	DLF LGT 4182	4.3	3.7	6.0	4.4
LINN	9.0	4.7	5.7	6.0	RAD-PR55R	6.7	2.0	6.7	4.3
PALMER V	6.7	4.3	8.7	6.0	HAVEN (APR 2038)	4.7	3.7	5.3	4.3
RINOVO	6.0	4.7	8.7	6.0	PICK 4DFHM	5.3	3.3	5.3	4.3
VINTAGE (ISG-36)	6.3	4.3	9.0	6.0	BAR LP 10972	5.0	3.0	6.0	4.3
PST-PARKSIDE (PST-2NJK)	7.7	4.7	6.7	5.9	RAINWATER (PST-2TQL)	5.0	3.0	6.0	4.3
BANDALORE (IS-PR 463)	7.7	3.7	8.7	5.9	GO-DHS	5.0	3.0	5.7	4.2
EXCELLENCE (ISG-31)	5.0	5.0	8.3	5.8	BAR LP 7608	5.0	2.3	5.0	3.7
SOX FAN (GM3)	8.0	4.3	6.7	5.8	JR-192	3.3	3.0	5.3	3.7
WICKED (SRX-4RHD)	8.0	4.7	6.0	5.8	BRIGHTSTAR SLT	5.3	2.7	3.3	3.5
DOMINATOR (PST-2AG4)	8.0	3.7	8.0	5.8	PINNACLE	3.3	2.7	4.0	3.2
PISTOL (PST-2ACR)	7.3	4.3	7.3	5.8					
PRX-4GM1	7.7	3.7	8.3	5.8	LSD VALUE	2.3	1.7	1.7	1.6
					C.V. (%)	20.2	24.3	13.9	20.7

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

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

3/ STEM RUST RATED AT "IA1" & "PA1" IN 2014, AND AT "MO1" IN 2013.

TABLE 39. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/			
NAME	M01	NAME	M01
CS-PR66	6.7	EVOLUTION (S85)	4.3
KARMA (PICK 10401)	6.3	FASTBALL RGL (PPG-PR 133)	4.3
PEPPER (RAD-PR62)	6.3	MONSIEUR (IS-PR 488)	4.3
PST-2K9	6.0	PALMER V	4.3
DOMINATOR (PST-2AG4)	5.7	PILLAR (CST)	4.3
GREEN SUPREME(PPG-PR 121)	5.7	PROVOST (PPG-PR 143)	4.3
PST-PARKSIDE (PST-2NJK)	5.7	PRX-4GM1	4.3
ASPIRE (IS-PR 489)	5.3	RAINWATER (PST-2TQL)	4.3
BAR LP 10972	5.3	STAMINA (IS-PR 487)	4.3
BAR LP 7608	5.3	STELLAR 3GL (PPG-PR 134)	4.3
HANCOCK (IS-PR 479)	5.3	SUNSTREAKER (APR 2036)	4.3
PIZZAZZ 2 GLR (PR 909)	5.3	THRIVE (IS-PR 469)	4.3
PPG-PR 128	5.3	VINTAGE (ISG-36)	4.3
BAR LP 10969	5.0	MANHATTAN 6 GLR (PST-2MAGS)	4.0
DILIGENT (IS-PR 492)	5.0	PANGEA GLR (CL 11701)	4.0
EXPEDITE (CL 307)	5.0	PINNACLE	4.0
GO-G37	5.0	PISTOL (PST-2ACR)	4.0
GRAND SLAM GLD (PPG-PR 164)	5.0	PPG-PR 136	4.0
PLAYOFF 2 (P02)	5.0	RIO VISTA	4.0
PSRX-4CAGL	5.0	UNO	4.0
PST-2NKM	5.0	ALLANTE	3.7
RAD-PR55R	5.0	APR 2445	3.7
APPLE SGL (PPG-PR 140)	4.7	ASP 0112 (A-35)	3.7
PINNACLE III (BAR LP 10970)	4.7	BANDALORE (IS-PR 463)	3.7
BENCHMARK (PST-2BNS)	4.7	EXCELLENCE (ISG-31)	3.7
VISION (CL 11601)	4.7	FIESTA 4	3.7
DLF LGT 4182	4.7	GO-DHS	3.7
GO-PR60	4.7	INSIGHT	3.7
HAVEN (APR 2038)	4.7	LTP-RAE	3.7
JR-192	4.7	METOLIUS (PPG-PR 165)	3.7
PACIFIC GEM (PST-2MG7)	4.7	OCTANE	3.7
PICK 4DFHM	4.7	PROMINENT (CS-20)	3.7
PPG-PR 142	4.7	RINOVO	3.7
PREMIUM (PPG-PR 137)	4.7	SEDUCTIVE (ISG-30)	3.7
SALINAS II (PST-204D)	4.7	LTP-PR 135	3.3
SIDEWAYS (PSRX-S84)	4.7	MACH I	3.3
SOX FAN (GM3)	4.7	PST-2DR9	3.3
SR 4650 (PSRX-3701)	4.7	RIPTIDE (IS-PR 409)	3.3
WICKED (SRX-4RHD)	4.7	SIENNA	3.3
AMAZING A+ (PPG-PR 138)	4.3	SR4660ST (SRX-4MSH)	3.3
APR 2320	4.3	LINN	3.0
BANFIELD (IS-PR 491)	4.3	DLF LGD-3022	2.7
BONNEVILLE	4.3	JR-178	2.7
BRIGHTSTAR SLT	4.3		
DLF LGD-3026	4.3	LSD VALUE	2.2
		C.V. (%)	30.3

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.

3/ DOLLAR SPOT RATED IN 2014 ONLY.

TABLE 40. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

			RED THREAD RATINGS 1-9; 9=NO DISEASE 2/ 3/					
NAME	IA1	MO1	MEAN	NAME	IA1	MO1	MEAN	
BENCHMARK (PST-2BNS)	6.0	6.7	6.3	EVOLUTION (S85)	5.0	4.7	4.8	
WICKED (SRX-4RHD)	6.7	6.0	6.3	PANGEA GLR (CL 11701)	5.0	4.7	4.8	
BAR LP 10969	5.7	6.7	6.2	PPG-PR 142	5.0	4.7	4.8	
APR 2320	5.0	7.0	6.0	PREMIUM (PPG-PR 137)	5.0	4.7	4.8	
PILLAR (CST)	5.7	6.3	6.0	SUNSTREAKER (APR 2036)	4.0	5.7	4.8	
GO-PR60	4.7	7.0	5.8	BAR LP 10972	4.3	5.3	4.8	
PEPPER (RAD-PR62)	5.7	6.0	5.8	CS-PR66	4.3	5.3	4.8	
PST-2NKM	5.0	6.7	5.8	EXPEDITE (CL 307)	4.3	5.3	4.8	
STAMINA (IS-PR 487)	5.7	6.0	5.8	LINN	6.3	3.3	4.8	
DILIGENT (IS-PR 492)	5.3	6.3	5.8	PST-2K9	3.3	6.3	4.8	
JR-192	4.3	7.3	5.8	SIENNA	3.7	5.7	4.7	
FASTBALL RGL (PPG-PR 133)	5.7	5.7	5.7	ALLANTE	4.3	5.0	4.7	
ASPIRE (IS-PR 489)	4.3	6.7	5.5	GO-G37	4.0	5.3	4.7	
GRAND SLAM GLD (PPG-PR 164)	5.0	6.0	5.5	PISTOL (PST-2ACR)	4.0	5.3	4.7	
PIZZAZZ 2 GLR (PR 909)	5.3	5.7	5.5	PPG-PR 136	5.0	4.3	4.7	
SIDEWAYS (PSRX-S84)	5.0	6.0	5.5	RAD-PR55R	4.0	5.3	4.7	
BANDALORE (IS-PR 463)	5.0	5.7	5.3	RIPTIDE (IS-PR 409)	4.0	5.3	4.7	
PINNACLE III (BAR LP 10970)	5.0	5.7	5.3	VISION (CL 11601)	4.7	4.3	4.5	
GREEN SUPREME (PPG-PR 121)	5.0	5.7	5.3	JR-178	5.0	4.0	4.5	
KARMA (PICK 10401)	4.7	6.0	5.3	MANHATTAN 6 GLR (PST-2MAGS)	3.3	5.7	4.5	
METOLIUS (PPG-PR 165)	4.7	6.0	5.3	PALMER V	4.3	4.7	4.5	
PLAYOFF 2 (P02)	5.7	5.0	5.3	PINNACLE	4.7	4.3	4.5	
SALINAS II (PST-204D)	4.7	6.0	5.3	PROMINENT (CS-20)	4.3	4.7	4.5	
ASP 0112 (A-35)	5.3	5.3	5.3	PST-2DR9	4.3	4.7	4.5	
HAVEN (APR 2038)	5.3	5.3	5.3	DLF LGD-3026	4.0	4.7	4.3	
OCTANE	5.3	5.3	5.3	UNO	4.0	4.7	4.3	
PST-PARKSIDE (PST-2NJK)	4.3	6.3	5.3	FIESTA 4	3.7	5.0	4.3	
PPG-PR 128	4.7	5.7	5.2	INSIGHT	3.3	5.3	4.3	
THRIVE (IS-PR 469)	4.7	5.7	5.2	MONSIEUR (IS-PR 488)	3.3	5.3	4.3	
BONNEVILLE	5.3	5.0	5.2	PSRX-4CAGL	3.3	5.3	4.3	
LTP-PR 135	5.3	5.0	5.2	RINOVO	3.7	5.0	4.3	
LTP-RAE	5.3	5.0	5.2	SOX FAN (GM3)	4.3	4.3	4.3	
PACIFIC GEM (PST-2MG7)	5.3	5.0	5.2	BRIGHTSTAR SLT	3.3	5.0	4.2	
PROVOST (PPG-PR 143)	5.3	5.0	5.2	HANCOCK (IS-PR 479)	3.7	4.7	4.2	
RAINWATER (PST-2TQL)	5.0	5.3	5.2	PICK 4DFHM	3.7	4.7	4.2	
STELLAR 3GL (PPG-PR 134)	5.3	5.0	5.2	PRX-4GM1	4.0	4.3	4.2	
AMAZING A+ (PPG-PR 138)	4.0	6.0	5.0	DOMINATOR (PST-2AG4)	3.7	4.3	4.0	
APPLE SGL (PPG-PR 140)	5.0	5.0	5.0	GO-DHS	3.0	5.0	4.0	
APR 2445	4.7	5.3	5.0	MACH I	3.3	4.7	4.0	
BANFIELD (IS-PR 491)	4.7	5.3	5.0	SR 4650 (PSRX-3701)	4.3	3.7	4.0	
DLF LGD-3022	4.7	5.3	5.0	VINTAGE (ISG-36)	4.0	4.0	4.0	
DLF LGT 4182	4.7	5.3	5.0	EXCELLENCE (ISG-31)	3.7	4.0	3.8	
RIO VISTA	5.0	5.0	5.0	SEDUCTIVE (ISG-30)	3.7	4.0	3.8	
SR4660ST (SRX-4MSH)	4.7	5.3	5.0					
BAR LP 7608	4.0	5.7	4.8	LSD VALUE	1.7	1.6	1.7	
				C.V. (%)	23.6	18.7	21.2	

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

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

3/ RED THREAD RATED IN 2014 ONLY.

TABLE 41. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ 3/							
NAME	MO1	NJ2	MEAN	NAME	MO1	NJ2	MEAN
BANDALORE (IS-PR 463)	5.7	6.7	6.2	PRX-4GM1	3.7	5.3	4.5
STAMINA (IS-PR 487)	6.0	6.3	6.2	SIDEWAYS (PSRX-S84)	4.3	4.7	4.5
KARMA (PICK 10401)	5.0	7.3	6.2	PPG-PR 142	4.7	4.0	4.3
APR 2445	7.0	4.7	5.8	SOX FAN (GM3)	4.0	4.7	4.3
INSIGHT	5.3	6.3	5.8	EXPEDITE (CL 307)	4.3	4.3	4.3
DILIGENT (IS-PR 492)	5.7	5.7	5.7	PILLAR (CST)	5.0	3.7	4.3
LTP-RAE	6.7	4.7	5.7	PALMER V	5.0	3.7	4.3
STELLAR 3GL (PPG-PR 134)	5.7	5.7	5.7	PICK 4DFHM	5.0	3.7	4.3
BANFIELD (IS-PR 491)	5.3	6.0	5.7	PST-2K9	4.3	4.3	4.3
PANGEA GLR (CL 11701)	4.7	6.3	5.5	DOMINATOR (PST-2AG4)	4.7	3.7	4.2
METOLIUS (PPG-PR 165)	4.0	7.0	5.5	JR-178	4.7	3.7	4.2
BENCHMARK (PST-2BNS)	5.3	5.7	5.5	AMAZING A+ (PPG-PR 138)	4.7	3.7	4.2
ALLANTE	4.7	6.0	5.3	RIO VISTA	3.7	4.7	4.2
VISION (CL 11601)	5.7	5.0	5.3	PARKSIDE (PST-2NJK)	4.3	4.0	4.2
PST-2NKM	5.0	5.7	5.3	BAR LP 7608	5.3	3.0	4.2
PROVOST (PPG-PR 143)	6.3	4.3	5.3	CS-PR66	4.3	4.0	4.2
SR4660ST (SRX-4MSH)	5.3	5.3	5.3	GO-PR60	4.0	4.3	4.2
WICKED (SRX-4RHD)	5.3	5.3	5.3	BAR LP 10972	5.0	3.0	4.0
UNO	5.3	5.3	5.3	BRIGHTSTAR SLT	4.0	4.0	4.0
THRIVE (IS-PR 469)	4.7	5.7	5.2	PINNACLE	4.7	3.3	4.0
RINOVO	3.3	7.0	5.2	MANHATTAN 6 GLR (PST-2MAGS)	4.7	3.3	4.0
SIENNA	4.7	5.7	5.2	PACIFIC GEM (PST-2MG7)	5.3	2.7	4.0
MONSIEUR (IS-PR 488)	5.3	5.0	5.2	RAINWATER (PST-2TQL)	4.0	4.0	4.0
PIZZAZZ 2 GLR (PR 909)	5.3	5.0	5.2	PEPPER (RAD-PR62)	4.3	3.7	4.0
GRAND SLAM GLD (PPG-PR 164)	4.0	6.3	5.2	PSRX-4CAGL	4.0	3.7	3.8
PINNACLE III (BAR LP 10970)	5.3	4.7	5.0	SALINAS II (PST-204D)	5.0	2.7	3.8
JR-192	5.0	5.0	5.0	PST-2DR9	4.3	3.3	3.8
LTP-PR 135	5.3	4.7	5.0	RAD-PR55R	4.0	3.7	3.8
FASTBALL RGL (PPG-PR 133)	5.3	4.7	5.0	FIESTA 4	3.3	4.0	3.7
PPG-PR 136	4.0	6.0	5.0	EXCELLENCE (ISG-31)	4.7	2.7	3.7
SR 4650 (PSRX-3701)	4.3	5.7	5.0	PLAYOFF 2 (P02)	3.7	3.7	3.7
BAR LP 10969	4.7	5.0	4.8	PISTOL (PST-2ACR)	3.7	3.7	3.7
DLF LGD-3022	5.0	4.7	4.8	ASP 0112 (A-35)	3.7	3.3	3.5
EVOLUTION (S85)	4.7	5.0	4.8	APR 2320	4.0	3.0	3.5
APPLE SGL (PPG-PR 140)	5.3	4.3	4.8	MACH I	3.3	3.7	3.5
BONNEVILLE	4.7	4.7	4.7	DLF LGT 4182	3.0	3.7	3.3
SUNSTREAKER (APR 2036)	4.3	5.0	4.7	GO-G37	3.0	3.7	3.3
RIPTIDE (IS-PR 409)	4.3	5.0	4.7	SEDUCTIVE (ISG-30)	4.0	2.7	3.3
ASPIRE (IS-PR 489)	5.0	4.3	4.7	PROMINENT (CS-20)	3.3	3.0	3.2
OCTANE	5.0	4.3	4.7	GO-DHS	3.7	2.7	3.2
PPG-PR 128	5.0	4.3	4.7	VINTAGE (ISG-36)	3.7	2.3	3.0
PREMIUM (PPG-PR 137)	4.3	5.0	4.7	DLF LGD-3026	3.3	2.3	2.8
HAVEN (APR 2038)	4.3	4.7	4.5	LINN	3.0	1.3	2.2
HANCOCK (IS-PR 479)	5.0	4.0	4.5				
GREEN SUPREME(PPG-PR 121)	3.3	5.7	4.5	LSD VALUE	1.7	1.7	1.2
				C.V. (%)	23.3	23.9	23.6

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.

3/ BROWN PATCH RATED IN 2011 ONLY.

TABLE 42.

PYTHIUM BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 2/ 3/			
NAME	VA1	NAME	VA1
GO-DHS	6.3	APR 2320	2.3
BRIGHTSTAR SLT	4.3	BAR LP 7608	2.3
VINTAGE (ISG-36)	4.3	VISION (CL 11601)	2.3
ASP 0112 (A-35)	4.0	PILLAR (CST)	2.3
EXPEDITE (CL 307)	4.0	DLF LGD-3026	2.3
PROMINENT (CS-20)	4.0	RIPTIDE (IS-PR 409)	2.3
EXCELLENCE (ISG-31)	4.0	ASPIRE (IS-PR 489)	2.3
PARKSIDE (PST-2NJK)	3.7	LTP-RAE	2.3
GO-G37	3.7	FASTBALL RGL (PPG-PR 133)	2.3
SEDUCTIVE (ISG-30)	3.7	AMAZING A+ (PPG-PR 138)	2.3
MACH I	3.7	RAD-PR55R	2.3
PLAYOFF 2 (P02)	3.7	SR 4650 (PSRX-3701)	2.3
PPG-PR 142	3.7	WICKED (SRX-4RHD)	2.3
PISTOL (PST-2ACR)	3.7	ALLANTE	2.0
MANHATTAN 6 GLR (PST-2MAGS)	3.7	APR 2445	2.0
PACIFIC GEM (PST-2MG7)	3.7	BAR LP 10972	2.0
BONNEVILLE	3.3	FIESTA 4	2.0
GREEN SUPREME (PPG-PR 121)	3.3	BANDALORE (IS-PR 463)	2.0
PPG-PR 128	3.3	THRIVE (IS-PR 469)	2.0
APPLE SGL (PPG-PR 140)	3.3	JR-192	2.0
PROVOST (PPG-PR 143)	3.3	KARMA (PICK 10401)	2.0
GRAND SLAM GLD (PPG-PR 164)	3.3	PINNACLE	2.0
PSRX-4CAGL	3.3	PIZZAZZ 2 GLR (PR 909)	2.0
PST-2DR9	3.3	STELLAR 3GL (PPG-PR 134)	2.0
SOX FAN (GM3)	3.3	PST-2NKM	2.0
CS-PR66	3.0	PEPPER (RAD-PR62)	2.0
DOMINATOR (PST-2AG4)	3.0	RIO VISTA	2.0
HAVEN (APR 2038)	3.0	SIDEWAYS (PSRX-S84)	2.0
OCTANE	3.0	UNO	2.0
PPG-PR 136	3.0	PINNACLE III (BAR LP 10970)	1.7
PST-2K9	3.0	GO-PR60	1.7
SR4660ST (SRX-4MSH)	3.0	INSIGHT	1.7
BAR LP 10969	2.7	STAMINA (IS-PR 487)	1.7
DLF LGT 4182	2.7	MONSIEUR (IS-PR 488)	1.7
HANCOCK (IS-PR 479)	2.7	BANFIELD (IS-PR 491)	1.7
DILIGENT (IS-PR 492)	2.7	PALMER V	1.7
JR-178	2.7	PANGEA GLR (CL 11701)	1.7
LINN	2.7	SALINAS II (PST-204D)	1.7
LTP-PR 135	2.7	EVOLUTION (S85)	1.7
PICK 4DFHM	2.7	SIENNA	1.7
PREMIUM (PPG-PR 137)	2.7	DLF LGD-3022	1.3
METOLIUS (PPG-PR 165)	2.7	BENCHMARK (PST-2BNS)	1.3
PRX-4GM1	2.7	RINOVO	1.3
RAINWATER (PST-2TQL)	2.7		
SUNSTREAKER (APR 2036)	2.3	LSO VALUE	1.7
		C.V. (%)	40.2

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

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

3/ PYTHIUM BLIGHT RATED IN 2011 ONLY.

TABLE 43. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE 2/ 3/			
NAME	M01	NAME	M01
OCTANE	8.0	BENCHMARK (PST-2BNS)	4.7
PANGA GLR (CL 11701)	8.0	GO-PR60	4.7
GRAND SLAM GLD (PPG-PR 164)	7.7	GREEN SUPREME (PPG-PR 121)	4.7
STELLAR 3GL (PPG-PR 134)	7.3	MACH I	4.7
THRIVE (IS-PR 469)	7.3	SEDUCTIVE (ISG-30)	4.7
BONNEVILLE	7.0	SR4660ST (SRX-4MSH)	4.7
EVOLUTION (S85)	7.0	VINTAGE (ISG-36)	4.7
PIZZAZZ 2 GLR (PR 909)	7.0	APR 2445	4.3
EXPEDITE (CL 307)	6.7	ASP 0112 (A-35)	4.3
LTP-RAE	6.7	ASPIRE (IS-PR 489)	4.3
METOLIUS (PPG-PR 165)	6.7	HANCOCK (IS-PR 479)	4.3
SIDEWAYS (PSRX-S84)	6.7	PROMINENT (CS-20)	4.3
AMAZING A+ (PPG-PR 138)	6.3	PSRX-4CAGL	4.3
BANDALORE (IS-PR 463)	6.3	SALINAS II (PST-204D)	4.3
BANFIELD (IS-PR 491)	6.3	SOX FAN (GM3)	4.3
VISION (CL 11601)	6.3	SUNSTREAKER (APR 2036)	4.3
DILIGENT (IS-PR 492)	6.3	EXCELLENCE (ISG-31)	4.0
MONSIEUR (IS-PR 488)	6.3	PALMER V	4.0
PROVOST (PPG-PR 143)	6.3	PEPPER (RAD-PR62)	4.0
RIO VISTA	6.3	RAINWATER (PST-2TQL)	4.0
JR-178	6.0	DLF LGT 4182	3.7
PILLAR (CST)	6.0	GO-DHS	3.7
PISTOL (PST-2ACR)	6.0	PRX-4GM1	3.7
PPG-PR 128	6.0	RAD-PR55R	3.7
PPG-PR 136	6.0	UNO	3.7
RIPTIDE (IS-PR 409)	6.0	PINNACLE III (BAR LP 10970)	3.3
SR 4650 (PSRX-3701)	6.0	CS-PR66	3.3
STAMINA (IS-PR 487)	6.0	DLF LGD-3026	3.3
FASTBALL RGL (PPG-PR 133)	5.7	GO-G37	3.3
LTP-PR 135	5.7	INSIGHT	3.3
PST-2DR9	5.7	JR-192	3.3
RINOVO	5.7	LINN	3.3
FIESTA 4	5.3	PICK 4DFHM	3.3
KARMA (PICK 10401)	5.3	PST-2K9	3.3
MANHATTAN 6 GLR (PST-2MAGS)	5.3	HAVEN (APR 2038)	3.0
PPG-PR 142	5.3	PST-PARKSIDE (PST-2NJK)	3.0
WICKED (SRX-4RHD)	5.3	PST-2NKM	3.0
ALLANTE	5.0	BAR LP 7608	2.7
APPLE SGL (PPG-PR 140)	5.0	PLAYOFF 2 (P02)	2.7
APR 2320	5.0	BAR LP 10969	2.0
DLF LGD-3022	5.0	BAR LP 10972	2.0
DOMINATOR (PST-2AG4)	5.0	BRIGHTSTAR SLT	2.0
PACIFIC GEM (PST-2MG7)	5.0	PINNACLE	1.7
PREMIUM (PPG-PR 137)	5.0		
SIENNA	5.0	LSD VALUE	1.8
		C.V. (%)	22.3

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.

3/ CROWN RUST RATED IN 2014 ONLY.

TABLE 44.

GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

GRAY LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MD1	NAME	MD1
APPLE SGL (PPG-PR 140)	8.7	PINNACLE III (BAR LP 10970)	7.7
SUNSTREAKER (APR 2036)	8.7	DILIGENT (IS-PR 492)	7.7
ASPAIRE (IS-PR 489)	8.7	PSRX-4CAGL	7.7
VISION (CL 11601)	8.7	PST-2NKM	7.7
EXPEDITE (CL 307)	8.7	RIO VISTA	7.7
HAVEN (APR 2038)	8.7	OCTANE	7.3
KARMA (PICK 10401)	8.7	PALMER V	7.3
LTP-PR 135	8.7	BENCHMARK (PST-2BNS)	7.3
PANGEA GLR (CL 11701)	8.7	PACIFIC GEM (PST-2MG7)	7.3
GREEN SUPREME (PPG-PR 121)	8.7	RAD-PR55R	7.3
PPG-PR 142	8.7	STAMINA (IS-PR 487)	7.3
METOLIUS (PPG-PR 165)	8.7	LTP-RAE	7.0
PREMIUM (PPG-PR 137)	8.7	PICK 4DFHM	7.0
PRX-4GM1	8.7	PARKSIDE (PST-2NJK)	6.7
CS-PR66	8.3	HANCOCK (IS-PR 479)	6.7
GRAND SLAM GLD (PPG-PR 164)	8.3	SEDUCTIVE (ISG-30)	6.7
PIZZAZZ 2 GLR (PR 909)	8.3	PLAYOFF 2 (P02)	6.7
PPG-PR 136	8.3	SALINAS II (PST-204D)	6.7
AMAZING A+ (PPG-PR 138)	8.3	DLF LGT 4182	6.3
RINOV0	8.3	EXCELLENCE (ISG-31)	6.3
SIDEWAYS (PSRX-S84)	8.3	VINTAGE (ISG-36)	6.3
SR 4650 (PSRX-3701)	8.3	PINNACLE	6.3
STELLAR 3GL (PPG-PR 134)	8.3	ASP 0112 (A-35)	6.0
APR 2445	8.0	GO-G37	6.0
BANDALORE (IS-PR 463)	8.0	PST-2DR9	6.0
BANFIELD (IS-PR 491)	8.0	RAINWATER (PST-2TQL)	6.0
BONNEVILLE	8.0	UNO	6.0
DLF LGD-3022	8.0	PROMINENT (CS-20)	5.7
DLF LGD-3026	8.0	PEPPER (RAD-PR62)	5.7
DOMINATOR (PST-2AG4)	8.0	ALLANTE	5.3
EVOLUTION (S85)	8.0	JR-192	5.3
FASTBALL RGL (PPG-PR 133)	8.0	PISTOL (PST-2ACR)	5.3
FIESTA 4	8.0	BRIGHTSTAR SLT	4.7
RIPTIDE (IS-PR 409)	8.0	GO-PR60	4.7
MONSIEUR (IS-PR 488)	8.0	GO-DHS	4.3
JR-178	8.0	INSIGHT	4.3
MANHATTAN 6 GLR (PST-2MAGS)	8.0	APR 2320	4.0
PILLAR (CST)	8.0	BAR LP 10969	4.0
PPG-PR 128	8.0	BAR LP 10972	4.0
PROVOST (PPG-PR 143)	8.0	MACH I	4.0
PST-2K9	8.0	BAR LP 7608	3.7
SOX FAN (GM3)	8.0	SIENNA	3.7
SR4660ST (SRX-4MSH)	8.0	LINN	3.0
THRIVE (IS-PR 469)	8.0		
WICKED (SRX-4RHD)	8.0	LSD VALUE	2.0
		C.V. (%)	17.3

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

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

3/ GRAY LEAF SPOT RATED IN 2012 ONLY.

TABLE 45. PINK SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MN1	NAME	MN1
PANGEA GLR (CL 11701)	7.3	PALMER V	5.0
SOX FAN (GM3)	7.0	PIZZAZZ 2 GLR (PR 909)	5.0
PLAYOFF 2 (P02)	6.7	METOLIUS (PPG-PR 165)	5.0
STELLAR 3GL (PPG-PR 134)	6.7	RAD-PR55R	5.0
AMAZING A+ (PPG-PR 138)	6.7	EVOLUTION (S85)	5.0
APR 2320	6.3	SIENNA	5.0
BAR LP 10972	6.3	SR 4650 (PSRX-3701)	5.0
OCTANE	6.3	UNO	5.0
PPG-PR 128	6.3	PARKSIDE (PST-2NJK)	4.7
APPLE SGL (PPG-PR 140)	6.3	BAR LP 7608	4.7
SUNSTREAKER (APR 2036)	6.0	BRIGHTSTAR SLT	4.7
JR-178	6.0	FIESTA 4	4.7
PPG-PR 142	6.0	BANDALORE (IS-PR 463)	4.7
PST-2NKM	6.0	STAMINA (IS-PR 487)	4.7
WICKED (SRX-4RHD)	6.0	VINTAGE (ISG-36)	4.7
ASP 0112 (A-35)	5.7	LINN	4.7
DLF LGT 4182	5.7	PINNACLE	4.7
HAVEN (APR 2038)	5.7	PSRX-4CAGL	4.7
ASPIRE (IS-PR 489)	5.7	RIO VISTA	4.7
BANFIELD (IS-PR 491)	5.7	BONNEVILLE	4.3
GREEN SUPREME(PPG-PR 121)	5.7	DILIGENT (IS-PR 492)	4.3
PRX-4GM1	5.7	SEDUCTIVE (ISG-30)	4.3
PISTOL (PST-2ACR)	5.7	LTP-PR 135	4.3
BENCHMARK (PST-2BNS)	5.7	LTP-RAE	4.3
PST-2K9	5.7	PPG-PR 136	4.3
BAR LP 10969	5.3	PST-2DR9	4.3
VISION (CL 11601)	5.3	SIDEWAYS (PSRX-S84)	4.3
CS-PR66	5.3	ALLANTE	4.0
PILLAR (CST)	5.3	GO-PR60	4.0
DOMINATOR (PST-2AG4)	5.3	MACH I	4.0
INSIGHT	5.3	PACIFIC GEM (PST-2MG7)	4.0
MONSIEUR (IS-PR 488)	5.3	SR4660ST (SRX-4MSH)	4.0
JR-192	5.3	PROMINENT (CS-20)	3.7
KARMA (PICK 10401)	5.3	PICK 4DFHM	3.7
FASTBALL RGL (PPG-PR 133)	5.3	PEPPER (RAD-PR62)	3.7
PREMIUM (PPG-PR 137)	5.3	RINOVO	3.7
PROVOST (PPG-PR 143)	5.3	APR 2445	3.3
SALINAS II (PST-204D)	5.3	DLF LGD-3026	3.3
PINNACLE III (BAR LP 10970)	5.0	GO-DHS	3.3
EXPEDITE (CL 307)	5.0	THRIVE (IS-PR 469)	3.3
DLF LGD-3022	5.0	GRAND SLAM GLD (PPG-PR 164)	3.3
GO-G37	5.0	RAINWATER (PST-2TQL)	3.3
RIPTIDE (IS-PR 409)	5.0	MANHATTAN 6 GLR (PST-2MAGS)	2.7
HANCOCK (IS-PR 479)	5.0		
EXCELLENCE (ISG-31)	5.0	LSO VALUE	2.4
		C.V. (%)	29.6

- 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.
- 3/ PINK SNOW MOLD RATED IN 2011 ONLY.

TABLE 46. SEEDHEAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/ 3/			
NAME	NJ2	NAME	NJ2
APR 2320	9.0	WICKED (SRX-4RHD)	5.7
THRIVE (IS-PR 469)	9.0	BAR LP 10969	5.3
INSIGHT	8.7	PROMINENT (CS-20)	5.3
ASP 0112 (A-35)	8.3	PILLAR (CST)	5.3
PINNACLE III (BAR LP 10970)	8.3	GO-G37	5.3
SIENNA	8.3	MONSIEUR (IS-PR 488)	5.3
JR-192	8.0	SEDUCTIVE (ISG-30)	5.3
ALLANTE	7.7	OCTANE	5.3
SUNSTREAKER (APR 2036)	7.3	FASTBALL RGL (PPG-PR 133)	5.3
GO-PR60	7.3	PPG-PR 136	5.3
HANCOCK (IS-PR 479)	7.3	PSRX-4CAGL	5.3
RINOVO	7.3	PST-2K9	5.3
CS-PR66	7.0	PREMIUM (PPG-PR 137)	5.0
RIPTIDE (IS-PR 409)	7.0	PROVOST (PPG-PR 143)	5.0
BANFIELD (IS-PR 491)	7.0	PRX-4GM1	5.0
LTP-RAE	7.0	EVOLUTION (S85)	5.0
KARMA (PICK 10401)	7.0	DLF LGT 4182	4.7
GRAND SLAM GLD (PPG-PR 164)	7.0	DOMINATOR (PST-2AG4)	4.7
BENCHMARK (PST-2BNS)	7.0	HAVEN (APR 2038)	4.7
STAMINA (IS-PR 487)	6.7	EXCELLENCE (ISG-31)	4.7
MACH I	6.7	PPG-PR 128	4.7
METOLIUS (PPG-PR 165)	6.7	PPG-PR 142	4.7
APR 2445	6.3	SIDEWAYS (PSRX-S84)	4.7
BANDALORE (IS-PR 463)	6.3	SOX FAN (GM3)	4.7
VINTAGE (ISG-36)	6.3	BRIGHTSTAR SLT	4.3
AMAZING A+ (PPG-PR 138)	6.3	EXPEDITE (CL 307)	4.3
RAD-PR55R	6.3	DLF LGD-3026	4.3
SR 4650 (PSRX-3701)	6.3	ASPIRE (IS-PR 489)	4.3
BAR LP 10972	6.0	LTP-PR 135	4.3
JR-178	6.0	PINNACLE	4.3
PALMER V	6.0	SALINAS II (PST-204D)	4.3
PANGAEA GLR (CL 11701)	6.0	MANHATTAN 6 GLR (PST-2MAGS)	4.3
GREEN SUPREME (PPG-PR 121)	6.0	VISION (CL 11601)	4.0
PEPPER (RAD-PR62)	6.0	DLF LGD-3022	4.0
SR4660ST (SRX-4MSH)	6.0	PLAYOFF 2 (P02)	4.0
UNO	6.0	PICK 4DFHM	4.0
BAR LP 7608	5.7	PACIFIC GEM (PST-2MG7)	4.0
FIESTA 4	5.7	PST-2NKM	4.0
GO-DHS	5.7	PARKSIDE (PST-2NJK)	3.7
DILIGENT (IS-PR 492)	5.7	PST-2DR9	3.7
PIZZAZZ 2 GLR (PR 909)	5.7	BONNEVILLE	3.3
STELLAR 3GL (PPG-PR 134)	5.7	PISTOL (PST-2ACR)	3.0
APPLE SGL (PPG-PR 140)	5.7	LINN	1.0
RAINWATER (PST-2TQL)	5.7		
RIO VISTA	5.7	LSD VALUE	1.5
		C.V. (%)	16.6

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.

3/ SEEDHEAD RATED IN 2011 ONLY.

TABLE 47. MOWING QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/ 3/							
NAME	MN1	PA1	MEAN	NAME	MN1	PA1	MEAN
APR 2320	6.3	8.0	7.2	DILIGENT (IS-PR 492)	4.7	5.7	5.2
INSIGHT	6.7	7.3	7.0	EVOLUTION (S85)	5.3	5.0	5.2
ALLANTE	6.0	7.3	6.7	FASTBALL RGL (PPG-PR 133)	5.0	5.3	5.2
JR-192	6.0	7.3	6.7	PPG-PR 136	5.3	5.0	5.2
THRIVE (IS-PR 469)	5.3	7.7	6.5	PROVOST (PPG-PR 143)	5.0	5.3	5.2
SUNSTREAKER (APR 2036)	5.7	7.0	6.3	BAR LP 10972	4.7	5.3	5.0
SIENNA	5.7	6.7	6.2	GO-PR60	4.7	5.3	5.0
BAR LP 10969	5.3	7.0	6.2	PPG-PR 128	5.0	5.0	5.0
KARMA (PICK 10401)	6.0	6.3	6.2	PREMIUM (PPG-PR 137)	5.0	5.0	5.0
LTP-RAE	6.0	6.0	6.0	PST-2NKM	4.7	5.3	5.0
STAMINA (IS-PR 487)	6.0	6.0	6.0	BANFIELD (IS-PR 491)	5.0	4.7	4.8
WICKED (SRX-4RHD)	6.3	5.7	6.0	GO-G37	5.0	4.7	4.8
BANDALORE (IS-PR 463)	5.7	6.0	5.8	PILLAR (CST)	4.7	5.0	4.8
PINNACLE III (BAR LP 10970)	5.7	6.0	5.8	DOMINATOR (PST-2AG4)	5.3	4.3	4.8
GRAND SLAM GLD (PPG-PR 164)	6.0	5.7	5.8	VINTAGE (ISG-36)	3.7	5.7	4.7
STELLAR 3GL (PPG-PR 134)	5.7	6.0	5.8	DLF LGD-3026	4.3	5.0	4.7
BAR LP 7608	5.3	6.3	5.8	DLF LGT 4182	4.0	5.3	4.7
DLF LGD-3022	6.3	5.3	5.8	HAVEN (APR 2038)	5.0	4.3	4.7
GREEN SUPREME (PPG-PR 121)	6.3	5.3	5.8	MACH I	4.0	5.3	4.7
RAINWATER (PST-2TQL)	5.7	5.7	5.7	SR4660ST (SRX-4MSH)	5.0	4.3	4.7
SR 4650 (PSRX-3701)	5.7	5.7	5.7	ASP 0112 (A-35)	3.3	5.7	4.5
ASPIRE (IS-PR 489)	5.3	6.0	5.7	HANCOCK (IS-PR 479)	3.7	5.3	4.5
BENCHMARK (PST-2BNS)	6.3	5.0	5.7	MANHATTAN 6 GLR (PST-2MAGS)	4.7	4.3	4.5
RINOV0	5.0	6.3	5.7	OCTANE	4.7	4.3	4.5
RIO VISTA	5.3	6.0	5.7	PST-PARKSIDE (PST-2NJK)	5.0	4.0	4.5
RIPTIDE (IS-PR 409)	5.3	6.0	5.7	LINN	7.7	1.0	4.3
SALINAS II (PST-204D)	5.3	6.0	5.7	VISION (CL 11601)	5.3	3.3	4.3
AMAZING A+ (PPG-PR 138)	5.7	5.3	5.5	CS-PR66	5.0	3.7	4.3
APR 2445	5.7	5.3	5.5	FIESTA 4	3.7	5.0	4.3
EXPEDITE (CL 307)	5.0	6.0	5.5	GO-DHS	2.3	6.0	4.2
JR-178	5.7	5.3	5.5	PSRX-4CAGL	3.3	5.0	4.2
PEPPER (RAD-PR62)	5.3	5.7	5.5	PACIFIC GEM (PST-2MG7)	4.3	4.0	4.2
PLAYOFF 2 (P02)	6.7	4.3	5.5	PISTOL (PST-2ACR)	4.3	4.0	4.2
PPG-PR 142	5.7	5.3	5.5	RAD-PR55R	4.0	4.3	4.2
APPLE SGL (PPG-PR 140)	5.7	5.0	5.3	BONNEVILLE	4.7	3.3	4.0
BRIGHTSTAR SLT	5.7	5.0	5.3	PANGEA GLR (CL 11701)	3.7	4.3	4.0
LTP-PR 135	5.0	5.7	5.3	PST-2DR9	4.3	3.7	4.0
PINNACLE	6.0	4.7	5.3	EXCELLENCE (ISG-31)	4.0	3.7	3.8
PIZZAZZ 2 GLR (PR 909)	5.0	5.7	5.3	SEDUCTIVE (ISG-30)	3.3	4.3	3.8
PST-2K9	5.7	5.0	5.3	SOX FAN (GM3)	4.0	3.7	3.8
SIDEWAYS (PSRX-S84)	6.0	4.7	5.3	PICK 4DFHM	3.7	3.7	3.7
UNO	5.0	5.7	5.3	PRX-4GM1	4.0	2.7	3.3
METOLIUS (PPG-PR 165)	5.3	5.3	5.3	PROMINENT (CS-20)	2.0	3.7	2.8
MONSIEUR (IS-PR 488)	5.3	5.3	5.3				
PALMER V	5.3	5.3	5.3	LSD VALUE	1.4	1.4	1.4
				C.V. (%)	17.1	16.5	16.8

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

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

3/ MOWING QUALITY RATED AT "MN1" IN 2011 AND AT "PA1" IN 2014.

TABLE 48. PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA 2/

NAME	IL1	MA1	MEAN	NAME	IL1	MA1	MEAN
METOLIUS (PPG-PR 165)	71.7	70.0	70.8	SIENNA	68.3	50.0	59.2
VISION (CL 11601)	73.3	66.7	70.0	SEDUCTIVE (ISG-30)	66.7	50.0	58.3
OCTANE	76.7	63.3	70.0	EVOLUTION (S85)	66.7	50.0	58.3
PPG-PR 136	75.0	63.3	69.2	CS-PR66	60.0	56.7	58.3
PREMIUM (PPG-PR 137)	71.7	66.7	69.2	RIPTIDE (IS-PR 409)	70.0	46.7	58.3
AMAZING A+ (PPG-PR 138)	76.7	60.0	68.3	DILIGENT (IS-PR 492)	56.7	60.0	58.3
SR 4650 (PSRX-3701)	70.0	66.7	68.3	PALMER V	70.0	46.7	58.3
RINOV0	78.3	56.7	67.5	SUNSTREAKER (APR 2036)	65.0	50.0	57.5
BRIGHTSTAR SLT	76.7	56.7	66.7	PROMINENT (CS-20)	65.0	50.0	57.5
GRAND SLAM GLD (PPG-PR 164)	73.3	56.7	65.0	MACH I	65.0	50.0	57.5
EXPEDITE (CL 307)	71.7	56.7	64.2	FASTBALL RGL (PPG-PR 133)	58.3	56.7	57.5
PSRX-4CAGL	75.0	53.3	64.2	BENCHMARK (PST-2BNS)	58.3	56.7	57.5
SOX FAN (GM3)	71.7	56.7	64.2	ASP 0112 (A-35)	66.7	46.7	56.7
HAVEN (APR 2038)	76.7	50.0	63.3	DLF LGD-3026	70.0	43.3	56.7
JR-192	66.7	60.0	63.3	GO-DHS	66.7	46.7	56.7
SALINAS II (PST-204D)	76.7	50.0	63.3	GO-PR60	60.0	53.3	56.7
PPG-PR 128	70.0	56.7	63.3	BANDALORE (IS-PR 463)	63.3	50.0	56.7
PRX-4GM1	70.0	56.7	63.3	BANFIELD (IS-PR 491)	63.3	50.0	56.7
PST-2DR9	70.0	56.7	63.3	LTP-RAE	63.3	50.0	56.7
FIESTA 4	75.0	50.0	62.5	PST-2NKM	66.7	46.7	56.7
JR-178	71.7	53.3	62.5	APPLE SGL (PPG-PR 140)	56.7	56.7	56.7
LINN	75.0	50.0	62.5	PICK 4DFHM	58.3	53.3	55.8
PIZZAZZ 2 GLR (PR 909)	68.3	56.7	62.5	GO-G37	61.7	50.0	55.8
GREEN SUPREME (PPG-PR 121)	71.7	53.3	62.5	ASPIRE (IS-PR 489)	61.7	50.0	55.8
PROVOST (PPG-PR 143)	68.3	56.7	62.5	PST-2K9	68.3	43.3	55.8
UNO	75.0	50.0	62.5	PARKSIDE (PST-2NJK)	63.3	46.7	55.0
BAR LP 10969	70.0	53.3	61.7	THRIVE (IS-PR 469)	60.0	50.0	55.0
LTP-PR 135	70.0	53.3	61.7	STAMINA (IS-PR 487)	65.0	43.3	54.2
PANGEA GLR (CL 11701)	70.0	53.3	61.7	EXCELLENCE (ISG-31)	65.0	43.3	54.2
INSIGHT	73.3	50.0	61.7	PEPPER (RAD-PR62)	65.0	43.3	54.2
PINNACLE	71.7	50.0	60.8	RAINWATER (PST-2TQL)	68.3	40.0	54.2
RIO VISTA	71.7	50.0	60.8	RAD-PR55R	61.7	46.7	54.2
SIDEWAYS (PSRX-S84)	71.7	50.0	60.8	VINTAGE (ISG-36)	50.0	56.7	53.3
WICKED (SRX-4RHD)	71.7	50.0	60.8	PLAYOFF 2 (P02)	51.7	53.3	52.5
BONNEVILLE	75.0	46.7	60.8	PISTOL (PST-2ACR)	65.0	40.0	52.5
KARMA (PICK 10401)	65.0	56.7	60.8	PINNACLE III (BAR LP 10970)	63.3	40.0	51.7
PACIFIC GEM (PST-2MG7)	68.3	53.3	60.8	PILLAR (CST)	50.0	53.3	51.7
SR4660ST (SRX-4MSH)	65.0	56.7	60.8	MANHATTAN 6 GLR (PST-2MAGS)	66.7	36.7	51.7
ALLANTE	66.7	53.3	60.0	APR 2445	56.7	46.7	51.7
BAR LP 7608	66.7	53.3	60.0	HANCOCK (IS-PR 479)	56.7	46.7	51.7
DLF LGD-3022	70.0	50.0	60.0	DLF LGT 4182	58.3	36.7	47.5
DOMINATOR (PST-2AG4)	66.7	53.3	60.0	BAR LP 10972	60.0	30.0	45.0
MONSIEUR (IS-PR 488)	63.3	56.7	60.0				
PPG-PR 142	66.7	53.3	60.0	LSD VALUE	13.5	13.2	9.4
APR 2320	65.0	53.3	59.2	C.V. (%)	12.5	15.8	13.9
STELLAR 3GL (PPG-PR 134)	65.0	53.3	59.2				

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 49. PERCENT POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA 2/ 3/

NAME	MD1	NAME	MD1
LINN	45.8	OCTANE	5.7
GO-DHS	33.0	PISTOL (PST-2ACR)	5.2
BAR LP 7608	26.9	ASPIRE (IS-PR 489)	5.0
MACH I	25.8	SR4660ST (SRX-4MSH)	5.0
DLF LGT 4182	24.3	DLF LGD-3022	4.5
SEDUCTIVE (ISG-30)	21.5	JR-192	4.5
GO-G37	21.0	PACIFIC GEM (PST-2MG7)	4.5
APR 2320	19.7	STELLAR 3GL (PPG-PR 134)	4.5
PINNACLE	19.5	EVOLUTION (S85)	4.3
SIENNA	19.5	PST-2K9	4.3
PROMINENT (CS-20)	19.2	DILIGENT (IS-PR 492)	4.3
VINTAGE (ISG-36)	17.0	PPG-PR 128	4.3
DLF LGD-3026	16.8	WICKED (SRX-4RHD)	4.3
INSIGHT	15.0	MONSIEUR (IS-PR 488)	4.2
EXCELLENCE (ISG-31)	14.0	PANGEA GLR (CL 11701)	4.2
PIZZAZZ 2 GLR (PR 909)	14.0	SUNSTREAKER (APR 2036)	3.8
FIESTA 4	13.5	PPG-PR 136	3.8
RAD-PR55R	13.5	AMAZING A+ (PPG-PR 138)	3.7
PEPPER (RAD-PR62)	13.2	PILLAR (CST)	3.7
HANCOCK (IS-PR 479)	13.0	PST-PARKSIDE (PST-2NJK)	3.5
ASP 0112 (A-35)	12.5	UNO	3.5
BAR LP 10969	12.0	RIO VISTA	3.3
BRIGHTSTAR SLT	11.5	BONNEVILLE	3.3
DOMINATOR (PST-2AG4)	10.7	GREEN SUPREME (PPG-PR 121)	3.2
APR 2445	10.7	BANFIELD (IS-PR 491)	3.2
RIPTIDE (IS-PR 409)	10.3	BENCHMARK (PST-2BNS)	3.2
BAR LP 10972	9.8	LTP-PR 135	3.2
MANHATTAN 6 GLR (PST-2MAGS)	9.5	PRX-4GM1	3.2
ALLANTE	8.7	JR-178	3.0
THRIVE (IS-PR 469)	8.5	PREMIUM (PPG-PR 137)	3.0
PALMER V	8.3	APPLE SGL (PPG-PR 140)	2.8
BANDALORE (IS-PR 463)	8.2	PROVOST (PPG-PR 143)	2.7
GO-PR60	8.0	HAVEN (APR 2038)	2.2
PICK 4DFHM	7.8	PPG-PR 142	2.2
PST-2DR9	7.7	GRAND SLAM GLD (PPG-PR 164)	2.0
PINNACLE III (BAR LP 10970)	7.3	METOLIUS (PPG-PR 165)	1.8
FASTBALL RGL (PPG-PR 133)	7.3	EXPEDITE (CL 307)	1.7
RAINWATER (PST-2TQL)	7.2	KARMA (PICK 10401)	1.7
CS-PR66	6.8	SIDEWAYS (PSRX-S84)	1.7
RINOVO	6.7	STAMINA (IS-PR 487)	1.7
SALINAS II (PST-204D)	6.5	VISION (CL 11601)	1.5
LTP-RAE	6.3	SR 4650 (PSRX-3701)	0.8
PST-2NKM	6.2		
PSRX-4CAGL	6.2	LSD VALUE	9.4
PLAYOFF 2 (P02)	6.0	C.V. (%)	67.1
SOX FAN (GM3)	6.0		

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ PERCENT POA ANNUA RATED IN 2012 AND 2014.

TABLE 50.

WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2011-14 DATA

WINTER KILL RATINGS 1-9; 9=NONE 2/ 3/

NAME	MN1	NAME	MN1
GO-DHS	2.7	THRIVE (IS-PR 469)	1.7
BAR LP 10969	2.3	WICKED (SRX-4RHD)	1.7
BAR LP 10972	2.3	BANDALORE (IS-PR 463)	1.3
BAR LP 7608	2.3	BANFIELD (IS-PR 489)	1.3
DLF LGT 4182	2.3	DLF LGD-3022	1.3
DOMINATOR (PST-2AG4)	2.3	EVOLUTION (S85)	1.3
PROMINENT (CS-20)	2.3	FIESTA 4	1.3
PSRX-4CAGL	2.3	GREEN SUPREME (PPG-PR 121)	1.3
RAD-PR55R	2.3	LTP-RAE	1.3
UNO	2.3	MANHATTAN 6 GLR (PST-2MAGS)	1.3
ASP 0112 (A-35)	2.0	PICK 4DFHM	1.3
APPLE SGL (PPG-PR 140)	2.0	PPG-PR 142	1.3
APR 2320	2.0	METOLIUS (PPG-PR 165)	1.3
ASPIRE (IS-PR 491)	2.0	PROVOST (PPG-PR 143)	1.3
BONNEVILLE	2.0	PISTOL (PST-2ACR)	1.3
HANCOCK (IS-PR 479)	2.0	PST-2DR9	1.3
HAVEN (APR 2038)	2.0	SOX FAN (GM3)	1.3
INSIGHT	2.0	STAMINA (IS-PR 487)	1.3
RIPTIDE (IS-PR 409)	2.0	ALLANTE	1.0
PINNACLE	2.0	VISION (CL 11601)	1.0
PRX-4GM1	2.0	EXPEDITE (CL 307)	1.0
PST-2NKM	2.0	DILIGENT (IS-PR 492)	1.0
PEPPER (RAD-PR62)	2.0	DLF LGD-3026	1.0
SALINAS II (PST-204D)	2.0	FASTBALL RGL (PPG-PR 133)	1.0
VINTAGE (ISG-36)	2.0	GRAND SLAM GLD (PPG-PR 164)	1.0
AMAZING A+ (PPG-PR 138)	1.7	JR-178	1.0
SUNSTREAKER (APR 2036)	1.7	KARMA (PICK 10401)	1.0
APR 2445	1.7	LINN	1.0
PINNACLE III (BAR LP 10970)	1.7	LTP-PR 135	1.0
BRIGHTSTAR SLT	1.7	MONSIEUR (IS-PR 488)	1.0
CS-PR66	1.7	OCTANE	1.0
EXCELLENCE (ISG-31)	1.7	PANGEA GLR (CL 11701)	1.0
GO-G37	1.7	PILLAR (CST)	1.0
GO-PR60	1.7	PIZZAZZ 2 GLR (PR 909)	1.0
JR-192	1.7	PLAYOFF 2 (P02)	1.0
MACH I	1.7	PPG-PR 136	1.0
PACIFIC GEM (PST-2MG7)	1.7	PREMIUM (PPG-PR 137)	1.0
PALMER V	1.7	PST-2K9	1.0
PPG-PR 128	1.7	PST-PARKSIDE (PST-2NJK)	1.0
BENCHMARK (PST-2BNS)	1.7	RIO VISTA	1.0
RAINWATER (PST-2TQL)	1.7	SIDEWAYS (PSRX-S84)	1.0
RINOVO	1.7	SIENNA	1.0
SEDUCTIVE (ISG-30)	1.7	SR 4650 (PSRX-3701)	1.0
SR4660ST (SRX-4MSH)	1.7		
STELLAR 3GL (PPG-PR 134)	1.7	LSO VALUE	1.0
		C.V. (%)	39.4

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.

3/ WINTER KILL RATED IN 2012-13.

TABLE 51.

POA ANNUA COUNTS OF PERENNIAL RYEGRASS CULTIVARS IN THE
AT AMHERST, MA 1/
2011-14 DATA
POA ANNUA COUNTS PER PLOT 2/

NAME	2013	2014	MEAN	NAME	2013	2014	MEAN
DLF LGT 4182	78.0	143.7	110.8	JR-178	18.3	34.7	26.5
LINN	48.0	118.7	83.3	WICKED (SRX-4RHD)	11.0	41.7	26.3
PISTOL (PST-2ACR)	40.3	84.7	62.5	PRX-4GM1	15.3	37.0	26.2
SEDUCTIVE (ISG-30)	39.3	85.3	62.3	JR-192	15.0	37.0	26.0
RAD-PR55R	35.7	87.3	61.5	BANDALORE (IS-PR 463)	15.7	35.7	25.7
GO-DHS	44.0	60.0	52.0	THRIVE (IS-PR 469)	19.3	31.7	25.5
RAINWATER (PST-2TQL)	36.7	66.3	51.5	VISION (CL 11601)	12.7	36.3	24.5
BAR LP 7608	33.0	69.7	51.3	BRIGHTSTAR SLT	13.0	35.0	24.0
EXCELLENCE (ISG-31)	29.7	70.3	50.0	EVOLUTION (S85)	10.0	37.3	23.7
EXPEDITE (CL 307)	32.0	67.7	49.8	BANFIELD (IS-PR 491)	18.7	27.7	23.2
BONNEVILLE	28.7	67.0	47.8	FIESTA 4	16.3	30.0	23.2
DLF LGD-3026	33.0	61.3	47.2	STELLAR 3GL (PPG-PR 134)	16.7	29.3	23.0
PROMINENT (CS-20)	30.7	60.0	45.3	PEPPER (RAD-PR62)	15.3	28.0	21.7
VINTAGE (ISG-36)	25.7	65.0	45.3	APPLE SGL (PPG-PR 140)	12.0	31.0	21.5
GO-PR60	21.3	68.3	44.8	ASPIRE (IS-PR 489)	13.0	30.0	21.5
MONSIEUR (IS-PR 488)	26.0	63.7	44.8	PPG-PR 142	15.3	27.7	21.5
PLAYOFF 2 (P02)	15.7	72.7	44.2	FASTBALL RGL (PPG-PR 133)	8.7	34.0	21.3
CS-PR66	24.7	63.3	44.0	GREEN SUPREME (PPG-PR 121)	12.0	29.7	20.8
DOMINATOR (PST-2AG4)	18.0	68.7	43.3	PACIFIC GEM (PST-2MG7)	16.7	24.3	20.5
MACH I	22.7	60.3	41.5	SUNSTREAKER (APR 2036)	7.0	33.0	20.0
ASP 0112 (A-35)	20.7	59.7	40.2	LTP-RAE	10.3	29.3	19.8
BAR LP 10969	16.3	63.3	39.8	PILLAR (CST)	12.0	26.3	19.2
GO-G37	22.3	52.7	37.5	STAMINA (IS-PR 487)	8.3	29.3	18.8
SR4660ST (SRX-4MSH)	15.0	59.7	37.3	PREMIUM (PPG-PR 137)	20.0	16.3	18.2
HANCOCK (IS-PR 479)	23.0	50.3	36.7	RINOVO	9.0	27.3	18.2
RIPTIDE (IS-PR 409)	17.7	55.0	36.3	PINNACLE	4.7	31.3	18.0
APR 2445	15.3	55.7	35.5	INSIGHT	13.0	22.7	17.8
MANHATTAN 6 GLR (PST-2MAGS)	21.0	50.0	35.5	PST-2NKM	10.3	25.0	17.7
PST-2DR9	20.3	50.3	35.3	KARMA (PICK 10401)	12.3	22.7	17.5
PICK 4DFHM	21.0	48.0	34.5	PPG-PR 136	13.3	21.7	17.5
HAVEN (APR 2038)	31.0	37.3	34.2	PIZZAZZ 2 GLR (PR 909)	6.0	28.3	17.2
SIDEWAYS (PSRX-S84)	18.7	49.0	33.8	METOLIUS (PPG-PR 165)	9.0	23.7	16.3
PST-2K9	8.0	57.3	32.7	LTP-PR 135	7.0	24.7	15.8
DLF LGD-3022	18.0	46.7	32.3	PANGEA GLR (CL 11701)	9.3	22.0	15.7
UNO	7.0	57.3	32.2	PSRX-4CAGL	10.3	20.3	15.3
DILIGENT (IS-PR 492)	23.3	40.3	31.8	GRAND SLAM GLD (PPG-PR 164)	7.7	21.0	14.3
SALINAS II (PST-204D)	28.7	35.0	31.8	SR 4650 (PSRX-3701)	8.7	19.3	14.0
SOX FAN (GM3)	14.3	45.3	29.8	ALLANTE	9.3	15.7	12.5
PPG-PR 128	17.0	41.7	29.3	AMAZING A+ (PPG-PR 138)	6.3	16.7	11.5
OCTANE	18.0	39.3	28.7	RIO VISTA	7.0	16.0	11.5
BAR LP 10972	11.3	45.3	28.3	PROVOST (PPG-PR 143)	5.0	15.7	10.3
BENCHMARK (PST-2BNS)	11.7	44.7	28.2	SIENNA	3.3	14.0	8.7
PINNACLE III (BAR LP 10970)	22.0	34.0	28.0				
PALMER V	16.3	38.3	27.3	LSD VALUE	11.5	44.1	27.8
APR 2320	18.7	35.0	26.8	C.V. (%)	40.7	54.9	73.0
PST-PARKSIDE (PST-2NJK)	15.7	37.7	26.7				

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 52. WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT AMHERST, MA 1/
2011-14 DATA
WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 2/

NAME	2011	JULY 2012	SEPTEMBER 2012	2013	MEAN
SUNSTREAKER (APR 2036)	6.0	6.0	6.3	7.3	6.5
GREEN SUPREME (PPG-PR 121)	5.3	6.0	6.3	7.7	6.4
DILIGENT (IS-PR 492)	5.3	5.3	6.7	7.3	6.2
HANCOCK (IS-PR 479)	6.0	6.3	5.7	6.7	6.2
AMAZING A+ (PPG-PR 138)	5.3	5.3	6.3	7.0	6.1
PINNACLE III (BAR LP 10970)	6.0	7.0	6.0	5.7	6.1
ASPIRE (IS-PR 489)	5.7	6.0	6.0	6.3	6.0
BANDALORE (IS-PR 463)	5.3	5.7	6.3	6.3	5.9
DOMINATOR (PST-2AG4)	6.3	5.7	5.0	6.0	5.9
FIESTA 4	5.0	5.7	6.0	7.0	5.9
GO-PR60	6.0	5.0	5.3	6.7	5.9
OCTANE	5.3	5.3	5.3	7.0	5.9
PALMER V	5.3	6.0	5.3	6.7	5.9
PIZZAZZ 2 GLR (PR 909)	5.3	5.3	5.7	7.0	5.9
RIPTIDE (IS-PR 409)	5.0	6.0	6.0	6.7	5.9
BENCHMARK (PST-2BNS)	5.0	6.0	6.0	6.3	5.8
GO-G37	5.7	6.0	5.7	6.0	5.8
PSRX-4CAGL	5.7	5.3	5.7	6.3	5.8
PST-PARKSIDE (PST-2NJK)	6.0	5.3	5.3	6.0	5.8
RINOV0	5.0	5.3	6.0	6.7	5.8
STAMINA (IS-PR 487)	5.0	6.0	6.0	6.3	5.8
BRIGHTSTAR SLT	5.7	5.3	5.3	6.0	5.7
DLF LGD-3026	4.7	6.0	5.3	6.7	5.7
JR-178	5.0	5.0	6.3	6.3	5.7
MANHATTAN 6 GLR (PST-2MAGS)	4.7	5.7	6.0	6.7	5.7
METOLIUS (PPG-PR 165)	5.7	5.0	6.0	6.0	5.7
MONSIEUR (IS-PR 488)	5.3	5.7	5.7	6.0	5.7
PACIFIC GEM (PST-2MG7)	5.7	5.0	5.7	6.0	5.7
THRIVE (IS-PR 469)	4.3	5.7	5.7	7.0	5.7
DLF LGD-3022	6.0	5.7	5.7	5.0	5.6
LTP-PR 135	5.3	5.3	6.3	5.7	5.6
PEPPER (RAD-PR62)	5.3	4.7	6.0	6.0	5.6
PILLAR (CST)	5.0	5.3	6.0	6.0	5.6
PRX-4GM1	5.3	5.0	6.0	6.0	5.6
APR 2445	4.7	6.7	5.0	6.0	5.5
BANFIELD (IS-PR 491)	4.3	6.0	5.7	6.3	5.5
GRAND SLAM GLD (PPG-PR 164)	4.0	5.7	6.0	6.7	5.5
PANGEA GLR (CL 11701)	4.3	5.0	6.0	6.7	5.5
PPG-PR 142	5.0	5.3	5.7	6.0	5.5
SIDEWAYS (PSRX-S84)	5.3	5.3	5.7	5.7	5.5
SIENNA	4.7	6.0	6.3	5.7	5.5
SOX FAN (GM3)	5.0	5.0	6.0	6.0	5.5
APPLE SGL (PPG-PR 140)	4.7	5.3	5.7	6.0	5.4
BAR LP 10969	5.7	5.3	4.7	5.7	5.4
VISION (CL 11601)	5.0	6.0	5.3	5.7	5.4
CS-PR66	4.7	5.0	6.0	6.0	5.4
EXCELLENCE (ISG-31)	5.3	5.3	5.0	5.7	5.4

TABLE 52. WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONT'D) AT AMHERST, MA 1/
2011-14 DATA
WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 2/

NAME	2011	JULY 2012	SEPTEMBER 2012	2013	MEAN
FASTBALL RGL (PPG-PR 133)	5.0	5.3	5.3	6.0	5.4
JR-192	6.0	4.7	5.3	5.3	5.4
MACH I	5.7	6.0	5.7	4.7	5.4
PICK 4DFHM	5.0	5.0	5.3	6.0	5.4
PPG-PR 128	5.0	5.3	6.0	5.7	5.4
PROVOST (PPG-PR 143)	4.7	4.3	6.0	6.3	5.4
PST-2K9	5.3	5.0	5.3	5.7	5.4
SEDUCTIVE (ISG-30)	5.0	5.7	4.7	6.0	5.4
SR 4650 (PSRX-3701)	4.3	6.3	6.0	5.7	5.4
UNO	5.0	5.7	5.7	5.7	5.4
WICKED (SRX-4RHD)	4.7	6.3	6.3	5.3	5.4
EVOLUTION (S85)	4.7	4.7	6.0	6.0	5.3
EXPEDITE (CL 307)	4.0	5.3	6.0	6.3	5.3
PPG-PR 136	5.0	5.0	5.7	5.7	5.3
RAD-PR55R	4.7	5.0	5.7	6.0	5.3
RIO VISTA	4.3	5.0	5.3	6.3	5.3
BONNEVILLE	4.0	5.3	5.3	6.3	5.2
LTP-RAE	4.7	5.3	5.7	5.3	5.2
PISTOL (PST-2ACR)	5.3	5.0	4.7	5.3	5.2
PLAYOFF 2 (P02)	5.3	5.3	5.0	5.0	5.2
PREMIUM (PPG-PR 137)	5.0	5.0	5.3	5.3	5.2
PST-2DR9	5.3	5.0	5.3	5.0	5.2
SALINAS II (PST-204D)	5.3	5.0	5.3	5.0	5.2
VINTAGE (ISG-36)	5.0	5.0	4.3	6.0	5.2
ALLANTE	5.7	4.3	5.3	4.7	5.1
APR 2320	5.3	5.3	5.0	4.7	5.1
ASP 0112 (A-35)	4.0	4.7	5.3	6.3	5.1
HAVEN (APR 2038)	4.7	5.0	4.7	5.7	5.1
KARMA (PICK 10401)	4.0	5.0	5.7	6.0	5.1
PROMINENT (CS-20)	5.7	4.7	4.0	5.3	5.1
PST-2NKM	4.3	5.0	5.3	5.7	5.1
RAINWATER (PST-2TQL)	4.3	5.3	4.7	6.0	5.1
SR4660ST (SRX-4MSH)	4.3	5.7	5.3	5.3	5.1
STELLAR 3GL (PPG-PR 134)	4.0	4.7	5.0	6.3	5.1
BAR LP 10972	5.7	4.3	5.0	4.7	5.0
INSIGHT	4.7	5.0	5.0	5.3	5.0
PINNACLE	4.7	5.7	5.0	5.0	5.0
BAR LP 7608	5.0	5.0	4.7	4.3	4.7
GO-DHS	4.3	5.0	3.7	5.0	4.6
DLF LGT 4182	4.7	5.0	3.7	4.3	4.4
LINN	3.7	4.7	3.0	3.7	3.7
LSD VALUE	1.0	1.2	1.5	1.2	0.8
C.V. (%)	11.7	11.3	14.1	11.6	14.6

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 53.

PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 AT EAST LANSING, MI 2/
 2010 DATA

NAME	OCTOBER	NOVEMBER	MEAN
EXPEDITE (CL 307)	26.7	50.0	38.3
RINOVO	25.0	50.0	37.5
OCTANE	25.0	48.3	36.7
PLAYOFF 2 (P02)	23.3	46.7	35.0
SIENNA	25.0	45.0	35.0
KARMA (PICK 10401)	23.3	43.3	33.3
PST-2NKM	25.0	41.7	33.3
RAD-PR55R	21.7	45.0	33.3
DLF LGD-3022	23.3	41.7	32.5
INSIGHT	25.0	40.0	32.5
SEDUCTIVE (ISG-30)	21.7	43.3	32.5
PALMER V	21.7	43.3	32.5
PINNACLE	23.3	41.7	32.5
PIZZAZZ 2 GLR (PR 909)	23.3	41.7	32.5
RIO VISTA	21.7	43.3	32.5
ALLANTE	21.7	41.7	31.7
BONNEVILLE	23.3	40.0	31.7
VISION (CL 11601)	25.0	38.3	31.7
PANGEA GLR (CL 11701)	21.7	41.7	31.7
JR-178	23.3	38.3	30.8
LINN	21.7	40.0	30.8
GRAND SLAM GLD (PPG-PR 164)	23.3	38.3	30.8
PISTOL (PST-2ACR)	20.0	41.7	30.8
PARKSIDE (PST-2NJK)	21.7	38.3	30.0
ASP 0112 (A-35)	21.7	38.3	30.0
DOMINATOR (PST-2AG4)	21.7	38.3	30.0
MONSIEUR (IS-PR 488)	23.3	36.7	30.0
SALINAS II (PST-204D)	21.7	38.3	30.0
PST-2DR9	21.7	38.3	30.0
EVOLUTION (S85)	20.0	40.0	30.0
PINNACLE III (BAR LP 10970)	21.7	36.7	29.2
LTP-PR 135	18.3	40.0	29.2
GREEN SUPREME (PPG-PR 121)	21.7	36.7	29.2
PPG-PR 136	21.7	36.7	29.2
RAINWATER (PST-2TQL)	20.0	38.3	29.2
SOX FAN (GM3)	21.7	36.7	29.2
WICKED (SRX-4RHD)	20.0	38.3	29.2
UNO	21.7	36.7	29.2
BAR LP 10969	21.7	35.0	28.3
BRIGHTSTAR SLT	20.0	36.7	28.3
VINTAGE (ISG-36)	18.3	36.7	27.5
SIDEWAYS (PSRX-S84)	15.0	40.0	27.5
SR 4650 (PSRX-3701)	21.7	33.3	27.5
BAR LP 7608	20.0	33.3	26.7
GO-DHS	20.0	33.3	26.7
EXCELLENCE (ISG-31)	21.7	31.7	26.7
JR-192	20.0	33.3	26.7
BENCHMARK (PST-2BNS)	16.7	36.7	26.7

TABLE 53. PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) AT EAST LANSING, MI 2/
2010 DATA

NAME	OCTOBER	NOVEMBER	MEAN
BAR LP 10972	20.0	31.7	25.8
DLF LGD-3026	18.3	33.3	25.8
SUNSTREAKER (APR 2036)	16.7	33.3	25.0
CS-PR66	18.3	31.7	25.0
GO-PR60	20.0	30.0	25.0
HAVEN (APR 2038)	16.7	33.3	25.0
ASPIRE (IS-PR 489)	23.3	26.7	25.0
BANFIELD (IS-PR 491)	18.3	31.7	25.0
PICK 4DFHM	18.3	31.7	25.0
PPG-PR 128	18.3	31.7	25.0
PREMIUM (PPG-PR 137)	16.7	33.3	25.0
METOLIUS (PPG-PR 165)	18.3	31.7	25.0
PRX-4GM1	18.3	31.7	25.0
PST-2K9	15.0	35.0	25.0
APR 2320	18.3	30.0	24.2
PILLAR (CST)	16.7	31.7	24.2
DLF LGT 4182	18.3	30.0	24.2
RIPTIDE (IS-PR 409)	18.3	30.0	24.2
BANDALORE (IS-PR 463)	18.3	30.0	24.2
MANHATTAN 6 GLR (PST-2MAGS)	16.7	31.7	24.2
FASTBALL RGL (PPG-PR 133)	16.7	30.0	23.3
APR 2445	18.3	26.7	22.5
PROMINENT (CS-20)	15.0	30.0	22.5
FIESTA 4	16.7	28.3	22.5
STAMINA (IS-PR 487)	15.0	30.0	22.5
DILIGENT (IS-PR 492)	16.7	28.3	22.5
STELLAR 3GL (PPG-PR 134)	15.0	30.0	22.5
AMAZING A+ (PPG-PR 138)	15.0	30.0	22.5
APPLE SGL (PPG-PR 140)	16.7	28.3	22.5
THRIVE (IS-PR 469)	16.7	26.7	21.7
HANCOCK (IS-PR 479)	15.0	28.3	21.7
LTP-RAE	13.3	30.0	21.7
MACH I	13.3	30.0	21.7
PSRX-4CAGL	16.7	26.7	21.7
PACIFIC GEM (PST-2MG7)	16.7	26.7	21.7
PEPPER (RAD-PR62)	18.3	25.0	21.7
SR4660ST (SRX-4MSH)	13.3	26.7	20.0
PPG-PR 142	13.3	25.0	19.2
PROVOST (PPG-PR 143)	13.3	23.3	18.3
GO-G37	13.3	21.7	17.5
LSD VALUE	11.2	15.7	11.5
C.V. (%)	23.6	21.8	20.4

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

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

Taken from the 2010 Perennial Ryegrass test - Final data report with permission from NTEP

TABLE 54.

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
AT ADELPHIA, NJ 1/
2011-14 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JUNE	JULY	MEAN	NAME	JUNE	JULY	MEAN
ASP 0112 (A-35)	8.7	7.3	8.0	PINNACLE	4.7	4.3	4.5
PINNACLE III (BAR LP 10970)	8.3	6.7	7.5	PROVOST (PPG-PR 143)	5.3	3.7	4.5
DLF LGT 4182	8.0	6.0	7.0	SIDEWAYS (PSRX-S84)	5.3	3.7	4.5
VINTAGE (ISG-36)	7.7	5.7	6.7	ASPAIRE (IS-PR 489)	5.0	3.7	4.3
WICKED (SRX-4RHD)	7.3	6.0	6.7	DLF LGD-3022	5.3	3.3	4.3
BAR LP 10972	7.3	5.7	6.5	GRAND SLAM GLD (PPG-PR 164)	5.3	3.3	4.3
SALINAS II (PST-204D)	8.0	5.0	6.5	PANGAEA GLR (CL 11701)	5.0	3.7	4.3
PISTOL (PST-2ACR)	7.7	5.3	6.5	PREMIUM (PPG-PR 137)	5.0	3.7	4.3
EXCELLENCE (ISG-31)	7.7	5.0	6.3	THRIVE (IS-PR 469)	5.0	3.7	4.3
PST-2DR9	7.0	5.7	6.3	JR-192	5.0	3.3	4.2
BAR LP 7608	6.7	5.7	6.2	PPG-PR 128	4.7	3.7	4.2
GO-DHS	7.0	5.3	6.2	PPG-PR 142	4.7	3.7	4.2
KARMA (PICK 10401)	7.3	5.0	6.2	RIO VISTA	5.0	3.3	4.2
PROMINENT (CS-20)	7.7	4.7	6.2	UNO	5.0	3.3	4.2
BENCHMARK (PST-2BNS)	7.0	5.3	6.2	VISION (CL 11601)	4.7	3.3	4.0
PST-2K9	7.7	4.7	6.2	FASTBALL RGL (PPG-PR 133)	4.7	3.3	4.0
RAINWATER (PST-2TQL)	6.3	6.0	6.2	GO-PR60	4.3	3.7	4.0
APR 2445	7.0	4.7	5.8	PRX-4GM1	4.7	3.3	4.0
SEDUCTIVE (ISG-30)	6.7	5.0	5.8	SR4660ST (SRX-4MSH)	4.3	3.7	4.0
HAVEN (APR 2038)	6.3	5.0	5.7	BONNEVILLE	4.7	3.0	3.8
PLAYOFF 2 (P02)	7.0	4.3	5.7	FIESTA 4	4.0	3.7	3.8
PPG-PR 136	6.7	4.7	5.7	JR-178	4.7	3.0	3.8
SR 4650 (PSRX-3701)	6.7	4.7	5.7	PICK 4DFHM	4.7	3.0	3.8
BANDALORE (IS-PR 463)	6.3	4.3	5.3	PILLAR (CST)	4.3	3.3	3.8
BANFIELD (IS-PR 491)	6.3	4.3	5.3	LTP-PR 135	4.3	3.0	3.7
EVOLUTION (S85)	6.7	4.0	5.3	OCTANE	4.7	2.7	3.7
GO-G37	6.3	4.3	5.3	STAMINA (IS-PR 487)	4.0	3.3	3.7
PST-2NKM	6.3	4.3	5.3	EXPEDITE (CL 307)	3.7	3.3	3.5
RAD-PR55R	7.0	3.7	5.3	ALLANTE	3.3	3.3	3.3
STELLAR 3GL (PPG-PR 134)	5.7	5.0	5.3	APPLE SGL (PPG-PR 140)	3.7	3.0	3.3
HANCOCK (IS-PR 479)	6.7	3.7	5.2	SUNSTREAKER (APR 2036)	5.0	1.7	3.3
AMAZING A+ (PPG-PR 138)	6.0	4.3	5.2	MONSIEUR (IS-PR 488)	4.0	2.7	3.3
PARKSIDE (PST-2NJK)	5.7	4.3	5.0	LTP-RAE	3.7	3.0	3.3
APR 2320	6.0	4.0	5.0	MANHATTAN 6 GLR (PST-2MAGS)	4.3	2.3	3.3
DLF LGD-3026	5.7	4.3	5.0	PALMER V	4.3	2.3	3.3
DILIGENT (IS-PR 492)	6.0	4.0	5.0	PIZZAZZ 2 GLR (PR 909)	4.0	2.3	3.2
LINN	6.0	4.0	5.0	GREEN SUPREME (PPG-PR 121)	4.0	2.3	3.2
PACIFIC GEM (PST-2MG7)	6.0	4.0	5.0	PSRX-4CAGL	3.7	2.7	3.2
BRIGHTSTAR SLT	5.3	4.3	4.8	RINOVO	3.7	2.7	3.2
DOMINATOR (PST-2AG4)	5.7	4.0	4.8	SOX FAN (GM3)	3.3	2.3	2.8
RIPTIDE (IS-PR 409)	5.7	4.0	4.8	SIENNA	2.7	2.7	2.7
METOLIUS (PPG-PR 165)	5.3	4.3	4.8	INSIGHT	2.7	2.3	2.5
BAR LP 10969	5.0	4.3	4.7				
CS-PR66	5.3	4.0	4.7	LSD VALUE	1.8	1.5	1.3
PEPPER (RAD-PR62)	5.7	3.7	4.7	C.V. (%)	19.8	22.5	17.8
MACH I	5.0	4.0	4.5				

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.

3/ DOLLAR SPOT RATED IN 2012 ONLY.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS */
2011-14 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/
ALLANTE	5.3	7.1	MONSIEUR (IS-PR 488)	5.5	14.3
AMAZING A+ (PPG-PR 138)	5.8	42.9	OCTANE	5.6	14.3
APPLE SGL (PPG-PR 140)	5.7	57.1	PACIFIC GEM (PST-2MG7)	5.5	14.3
APR 2320	5.6	21.4	PALMER V	5.7	35.7
APR 2445	5.6	28.6	PANGEA GLR (CL 11701)	6.0	71.4
ASP 0112 (A-35)	5.3	14.3	PEPPER (RAD-PR62)	5.3	14.3
ASPIRE (IS-PR 489)	5.9	50.0	PICK 4DFHM	5.1	7.1
BANDALORE (IS-PR 463)	5.7	50.0	PILLAR (CST)	5.5	14.3
BANFIELD (IS-PR 491)	5.7	28.6	PINNACLE	4.7	7.1
BAR LP 10969	5.3	7.1	PISTOL (PST-2ACR)	5.4	7.1
PINNACLE III (BAR LP 10970)	5.5	7.1	PIZZAZZ 2 GLR (PR 909)	5.7	42.9
BAR LP 10972	5.2	7.1	PLAYOFF 2 (P02)	5.3	7.1
BAR LP 7608	5.0	7.1	PPG-PR 128	5.5	21.4
BENCHMARK (PST-2BNS)	5.9	50.0	PPG-PR 136	5.7	28.6
BONNEVILLE	5.5	14.3	PPG-PR 142	5.5	21.4
BRIGHTSTAR SLT	5.2	0.0	PREMIUM (PPG-PR 137)	5.7	28.6
VISION (CL 11601)	5.8	28.6	PROMINENT (CS-20)	5.2	14.3
CS-PR66	5.5	14.3	PROVOST (PPG-PR 143)	5.7	28.6
DILIGENT (IS-PR 492)	5.7	28.6	PRX-4GM1	5.5	7.1
DLF LGD-3022	5.5	7.1	PSRX-4CAGL	5.6	21.4
DLF LGD-3026	5.1	0.0	PST-2DR9	5.4	7.1
DLF LGT 4182	5.0	0.0	PST-2K9	5.5	7.1
DOMINATOR (PST-2AG4)	5.6	35.7	PST-PARKSIDE (PST-2NJK)	5.6	14.3
EVOLUTION (S85)	5.9	64.3	PST-2NKM	5.7	21.4
EXCELLENCE (ISG-31)	5.2	14.3	RAD-PR55R	5.6	28.6
EXPEDITE (CL 307)	5.7	28.6	RAINWATER (PST-2TQL)	5.4	7.1
FASTBALL RGL (PPG-PR 133)	5.6	21.4	RINOVO	5.7	42.9
FIESTA 4	5.6	28.6	RIO VISTA	5.8	42.9
GO-DHS	4.9	0.0	RIPTIDE (IS-PR 409)	5.6	28.6
GO-G37	5.3	7.1	SALINAS II (PST-204D)	5.4	7.1
GO-PR60	5.6	21.4	SEDUCTIVE (ISG-30)	5.3	21.4
GRAND SLAM GLD (PPG-PR 164)	6.0	85.7	SIDEWAYS (PSRX-S84)	5.7	28.6
GREEN SUPREME (PPG-PR 121)	5.8	35.7	SIENNA	5.3	21.4
HANCOCK (IS-PR 479)	5.5	28.6	SOX FAN (GM3)	5.5	21.4
HAVEN (APR 2038)	5.5	28.6	SR 4650 (PSRX-3701)	5.9	64.3
INSIGHT	5.3	21.4	SR4660ST (SRX-4MSH)	5.6	7.1
JR-178	5.7	35.7	STAMINA (IS-PR 487)	5.8	35.7
JR-192	5.5	21.4	STELLAR 3GL (PPG-PR 134)	5.8	50.0
KARMA (PICK 10401)	5.9	78.6	SUNSTREAKER (APR 2036)	5.7	35.7
LINN	3.1	0.0	THRIVE (IS-PR 469)	5.8	42.9
LTP-PR 135	5.7	28.6	UNO	5.6	21.4
LTP-RAE	5.5	7.1	VINTAGE (ISG-36)	5.2	14.3
MACH I	5.1	0.0	WICKED (SRX-4RHD)	5.9	71.4
MANHATTAN 6 GLR (PST-2MAGS)	5.4	14.3			
METOLIUS (PPG-PR 165)	5.7	42.9	LSO VALUE	0.3	
			CV VALUE	10.4	

*/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
**/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.
2/ MAXIMUM IN TOP 25% THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.