

## 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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CONTENTS

2004 National Perennial Ryegrass Test - 2009 data

LOCATIONS SUBMITTING DATA FOR 2009.....1

NATIONAL PERENNIAL RYEGRASS TEST, 2004 - Entries and Sponsors.....2

Table A - 2009 Locations, Site Descriptions and Management Practices  
in the 2004 National Perennial Ryegrass Test.....3

Table B - Locations and Data Collected in 2009.....4

Table 1 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars  
Grown at Six Locations Using "Schedule A (High Maintenance/Fairway)"  
in the U.S. and Canada.....6

Table 2 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars  
Grown at Eight Locations Using "Schedule B (Medium Maintenance/Athletic  
Field)" in the U.S. and Canada.....9

Table 3 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars  
Grown at Four Locations Using "Schedule C (Home Lawn)"  
in the U.S and Canada.....10

Table 4 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars  
Grown at Five Locations in the Northeast Region.....15

Table 5 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars  
Grown at Five Locations in the Transition Region.....18

Table 6 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars  
Grown at Six Locations in the North Central Region.....21

Table 7 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars for  
Each Month Grown at Logan, UT (Upper West/Mountain Region).....24

Table 8 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars for  
Each Month Grown at Corvallis, OR (Pacific Region).....27

Table 9 - Wear Tolerance and Other Ratings of Perennial Ryegrass  
Cultivars Grown Under Traffic Stress at North Brunswick, NJ.....30

Table 10- Mean Turfgrass Quality and Other Ratings of Perennial Ryegrass  
Cultivars Grown Under Traffic Stress at Mead, NE.....33

Table 11- Mean Turfgrass Quality and Other Ratings of Perennial Ryegrass  
Cultivars Grown Under Traffic Stress at Ithaca, NY.....36

Table 12- Genetic Color Ratings of Perennial Ryegrass Cultivars.....39

Table 13- Spring Greenup Ratings of Perennial Ryegrass Cultivars.....42

CONTENTS (continued)

Table 14- Leaf Texture Ratings of Perennial Ryegrass Cultivars.....45

Table 15- Spring Density Ratings of Perennial Ryegrass Cultivars.....47

Table 16- Summer Density Ratings of Perennial Ryegrass Cultivars.....49

Table 17- Fall Density Ratings of Perennial Ryegrass Cultivars.....51

Table 18- Percent Living Ground Cover (Spring) Ratings of Perennial  
Ryegrass Cultivars.....53

Table 19- Percent Living Ground Cover (Summer) Ratings of Perennial  
Ryegrass Cultivars.....56

Table 20- Percent Living Ground Cover (Fall) Ratings of Perennial  
Ryegrass Cultivars.....58

Table 21- Typhula Blight Ratings of Perennial Ryegrass Cultivars.....60

Table 22- Leaf Spot Ratings of Perennial Ryegrass Cultivars.....62

Table 23- Dollar Spot Ratings of Perennial Ryegrass Cultivars.....64

Table 24- Red Thread Ratings of Perennial Ryegrass Cultivars.....66

Table 25- Brown Patch (Warm Temperature) Ratings of Perennial  
Ryegrass Cultivars.....68

Table 26- Seedhead Ratings of Perennial Ryegrass Cultivars.....70

Table 27- Poa Annua Ratings of Perennial Ryegrass Cultivars.....72

Table 28- Summer Color Ratings of Perennial Ryegrass Cultivars.....74

Table 29- Snow Mold Ratings of Perennial Ryegrass Cultivars.....76

Table 30- Percent Red Redthread Ratings of Perennial Ryegrass Cultivars.....78

Appendix Table - Summary of Turfgrass Quality Ratings of Perennial Ryegrass  
Cultivars.....80

## **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>.

## 2004 NATIONAL PERENNIAL RYEGRASS TEST

### LOCATIONS SUBMITTING DATA FOR 2009

<u>State</u>	<u>Location</u>	<u>Code</u>
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
Indiana	West Lafayette	IN1
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Missouri	Columbia	MO1
Nebraska	Mead	NE1
Nebraska	Mead (Traffic Study)	NE2
New Jersey	North Brunswick	NJ1
New Jersey	North Brunswick (Traffic Study)	NJ3
New York	Ithaca	NY1
New York	Ithaca (Traffic Study)	NY2
Oregon	Corvallis	OR1
Pennsylvania	University Park	PA1
Rhode Island	Kingston	RI1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Wisconsin	Madison	WI1

**2004 NATIONAL PERENNIAL RYEGRASS TEST  
Entries and Sponsors**

Entry No.	Name	Sponsor	Entry No.	Name	Sponsor	Entry No.	Name	Sponsor
1	LPR 02203	Euro Grass Breeding	*41	AllStar 3 (IS-PR 274)	DLF International Seeds	*81	Silver Dollar	Turf-Seed, Inc.
2	Panther	Standard Entry	*42	Amazing GS (IS-PR 276)	Ampac Seed Co.	*82	Gray Star (PST-2LGL)	Turf-Seed, Inc.
3	Manhattan II	Standard Entry	*43	Keystone 2 (IS-PR 312)	DLF International Seeds	*83	Quicksilver	Turf-Seed, Inc.
*4	Pizzazz	Turf Merchants, Inc.	*44	Primary (IS-PR 269)	Columbia Seeds LLC	*84	Premier II	Barenbrug USA
*5	Affinity	Turf Merchants, Inc.	*45	Derby Xtreme (IS-PR 268)	DLF International Seeds	*85	Pinnacle II	Barenbrug USA
*6	Paragon GLR	Turf Merchants, Inc.	*46	Stellar GL (IS-PR 236)	Mountain View Seeds	*86	Barlennium	Barenbrug USA
*7	Protege GLR	Turf Merchants, Inc.	*47	Cabo II (IS-PR 233)	Grasslands Oregon	87	BAR Lp 4317	Barenbrug USA
*8	Exacta II GLSR (LTP-611-GLSR)	Lebanon Seaboard Corp.	*48	Kokomo II (IS-PR 235)	Grasslands Oregon	88	BAR Lp 4420	Barenbrug USA
9	ES45	Bailey Seeds	*49	Buena Vista	Burlingham Seeds, LLC	89	BAR Lp 4920	Barenbrug USA
10	TR47	Bailey Seeds	*50	Fusion	Burlingham Seeds, LLC	90	SRX 4682	Seed Research of Oregon
*11	Presidio (CNV)	Columbia Seeds LLC	*51	Charismatic II GLSR (LTP-PG-GLSR)	Lebanon Seaboard Corp.	*91	Hawkeye 2 (SRX 4692)	Seed Research of Oregon
*12	FiJi (GPR)	Grasslands Oregon	*52	Secretariat II GLSR (LTP-101-GLSR)	Lebanon Seaboard Corp.	*92	SR 4600 (SRX 4SP)	Seed Research of Oregon
*13	Halo (KN42)	Kenako Seeds, Inc.	*53	Caddieshack II (JR-163)	Jacklin Seed/Simplot	*93	Harrier (SRX 4UP3)	Seed Research of Oregon
14	VB99	Landmark Seed Company	*54	Goalkeeper II (JR-114)	Jacklin Seed/Simplot	94	PM 102	Pickseed
*15	Majesty II (VB77)	Landmark Seed Company	*55	La Quinta (JR-255)	Jacklin Seed/Simplot	*95	Headstart 2	Seed Research of Oregon
*16	Wayfarer (L44)	LESCO, Inc.	*56	Overdrive	Burlingham Seeds, LLC	*96	Calypto 3 (MS2)	Pickseed
*17	ASP6003 (TRS)	Allied Seed	57	PST-217	Pure-Seed Testing, Inc.	*97	Repell GLS	ProSeeds Marketing
*18	ASP6002 (BPR)	Allied Seed	*58	Manhattan 5 GLR (PST-2AM)	Pure-Seed Testing, Inc.	*98	Panther GLS	ProSeeds Marketing
*19	ASP6005 (AJJM)	Allied Seed	59	PST-2BLK	Pure-Seed Testing, Inc.	99	Palmer GLS (GL-2)	ProSeeds Marketing
*20	ASP6006 (LFPFG)	Allied Seed	*60	Gray Fox (PST-2MNG)	Scotts Turf-Seed	*100	Palmer V (RNS)	ProSeeds Marketing
*21	ASP6004 (EXS54)	Allied Seed	61	PST-2AG4	Pure-Seed Testing, Inc.	*101	Palmer IV	ProSeeds Marketing
*22	ASP6001 (RTS)	Allied Seed	*62	Grand Slam 2 (PST-2GSM)	Mountain View Seed, Ltd	*102	Line Drive GLS (APR 1797)	ProSeeds Marketing
*23	Wind Dance 2 (PWDR)	Pennington Seed Company	*63	Plateau (PST-2LAN)	Brett-Young Seed Limited	*103	Edge II (AC2)	Pickseed
*24	Nexus XD (SP4)	Smith Seed Services	*64	Ringer II (04-BEN)	Oregro Seed, Inc.	*104	Pleasure Supreme (PM 103)	Ampac
*25	Nexus XR (SNR)	Smith Seed Services	*65	Brea (04-BRE)	Oregro Seed, Inc.	105	E-99	Ultra-Turf
*26	Phenom (APR 1660)	Ampac Seed Company	*66	Sunshine 2	Pickseed	106	D04-LP05	The Scotts Company
*27	Delaware XL (Pick 01-2)	Ampac Seed Company	*67	Fiesta 4 (Pick F4)	Pickseed	*107	Defender (D04-UP)	The Scotts Company
*28	Accent II (JR-119)	Jacklin Seed/Simplot	68	Pick 02-R	Pickseed	*108	Uno (D04-11T)	The Scotts Company
*29	Top Gun II (JR-324)	Jacklin Seed/Simplot	*69	Firebolt (PRG HS-01-09)	Seed Research of Oregon	*109	Transformer (D04-1667)	The Scotts Company
*30	Revenge GLX (JR-348)	Jacklin Seed/Simplot	*70	Cutter II (PM 101)	Pickseed	*110	Inspire	The Scotts Company
*31	Monterey 3 (JR-408)	Jacklin Seed/Simplot	*71	Dart (APR 1663)	Mountain View Seeds	*111	Pentium	The Scotts Company
*32	Soprano (DP1)	Pennington Seed Company	*72	Apple GL (AAZ-B104)	Z Seeds/Mountain View Seeds	112	Chivalry (APR 1648)	Ultra-Turf
33	MMW	Pennington Seed Company	*73	Homerun (RG3P)	Mountain View Seeds	113	LS 2300 (APR 1670)	Lewis Seed Co.
*34	1G Squared (APR 1664)	Pennington Seed Company	*74	Prototype (DCM)	LESCO, Inc.	*114	Premier	Standard Entry
*35	Mach I	Standard Entry	*75	Notable (AF)	LESCO, Inc.	*115	Pinnacle	Standard Entry
*36	Dasher 3 (Pick RB-1)	Pickseed	*76	Pacesetter II (PS-2)	LESCO, Inc.	*116	Linn	Standard Entry
*37	Zoom (LCK)	Seed Research of Oregon	*77	Palmer III	Standard Entry	117	Forever (DP 17-9499)	DLF-Trifolium A/S
*38	Regal 5 (IS-PR 271)	DLF International Seed, Inc.	*78	Baccarat (RAD-PR8)	Radix Research, Inc.	118	Galatti (DP 17-9502)	DLF-Trifolium A/S
*39	Palace (IS-PR 273)	Columbia Seeds LLC	*79	Brightstar SLT	Turf-Seed, Inc.	119	Pianist (DP 17-9505)	DLF-Trifolium A/S
*40	Attribute (IS-PR 270)	LESCO, Inc.	*80	Citation Fore	Turf-Seed, Inc.	120	DP 17-9788	DLF-Trifolium A/S

\* COMMERCIALY AVAILABLE IN THE USA IN 2010.

PLEASE NOTE: Data from Entry 3 (Manhattan II) is not included due to poor seed germination.

TABLE A.

2009 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 2004 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
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS TO PREVENT DORMANCY
IL2	SILTY CLAY LOAM	6.1-6.5	0-60	151-240	2.1-3.0	FULL SUN	1.6-2.0	
IN1	SANDY CLAY LOAM	7.1-7.5	61-150	241-375	1.1-2.0	FULL SUN	0.6-1.0	
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	2.1-3.0	FULL SUN	0.6-1.0	ONLY DURING SEVERE STRESS
MA1	LOAM	5.6-6.0	0-60	241-375	1.1-2.0	FULL SUN	2.1-2.5	NO IRRIGATION
MD1	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MN1	SILTY CLAY LOAM	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	1.6-2.0	NO IRRIGATION
MO1	SILT LOAM AND SILT	5.6-6.0	0-60	151-240	2.1-3.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
NE1	SILTY CLAY AND CLAY	7.1-7.5	0-60	0-150	0.0-1.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NE2	SILTY CLAY AND CLAY	7.1-7.5	0-60	0-150	0.0-1.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NJ1	SANDY LOAM	5.6-6.0	61-150	241-375	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	SANDY LOAM	5.6-6.0	61-150	241-375	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
NY2	SANDY LOAM	6.1-6.5	151-270	241-375	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
OR1	SILTY CLAY LOAM	5.6-6.0	61-150	501+	5.1-6.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
PA1	SILTY CLAY LOAM	6.6-7.0	151-270	0-150	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
RI1	SANDY LOAM	-	-	-	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UT1	SILTY CLAY LOAM	7.1-7.5	0-60	0-150	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
VA1	SILT LOAM AND SILT	6.6-7.0	61-150	151-240	1.1-2.0	LIGHT SHADE	0.0-0.5	ONLY DURING SEVERE STRESS
WI1	SILT LOAM AND SILT	7.1-7.5	-	-	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 2009

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
IL1				X	X	X	X	X	X	X				X	
IL2			X	X	X	X	X	X	X	X	X		X	X	
IN1				X	X	X	X	X	X	X			X		
KY1			X	X	X	X	X	X	X	X				X	
MA1			X	X	X	X	X	X	X	X			X	X	
MD1					X	X	X	X	X	X	X		X		
MI1				X	X	X	X	X	X	X			X	X	X
MN1					X	X	X	X	X	X					
MO1				X	X	X	X	X	X	X	X	X	X		
NE1					X	X	X	X	X	X			X	X	
NE2					X	X	X	X	X	X			X	X	
NJ1					X	X	X	X	X	X					
NJ3															
NY1				X	X	X	X	X	X	X				X	
NY2					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	X	X			X		
RI1				X	X	X	X	X	X	X	X		X		
UT1				X	X	X	X	X	X	X			X	X	
VA1			X	X	X	X	X	X	X	X			X		
WI1					X	X	X	X	X	X				X	

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 2009

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	TYPHULA BLIGHT	LEAF SPOT	DOLLAR SPOT	RED THREAD	BROWN PATCH WARM TEMP.	SEEDHEAD RATINGS	POA ANNUA	SUMMER COLOR	SNOW MOLD	PERCENT RED THREAD
IL1																
IL2									X							
IN1		X														
KY1																
MA1							X		X	X		X	X			
MD1																
MI1	X			X												
MN1				X												
MO1				X	X	X				X						
NE1	X	X	X													
NE2	X	X	X													
NJ1																
* NJ3																
NY1																
NY2																
OR1																
PA1								X								
RI1					X											X
UT1															X	
VA1											X					
WI1														X		

8 MORE DATA FOR "NJ3" IN TABLE 11.

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT SIX LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" \*\*/  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	MD1	NE1	RI1	UT1	MEAN
* ALLSTAR 3 (IS-PR 274)	6.1	7.3	6.1	7.3	6.3	5.5	6.4
* PROTOTYPE (DCM)	6.5	6.7	5.8	7.4	6.3	5.9	6.4
* SOPRANO (DP1)	5.9	6.7	6.5	7.2	6.2	5.9	6.4
* ATTRIBUTE (IS-PR 270)	6.0	6.7	6.4	7.3	6.1	5.8	6.4
* HOMERUN (RG3P)	6.3	7.0	5.8	7.1	6.0	6.1	6.4
* AMAZING GS (IS-PR 276)	6.1	6.7	6.0	7.0	6.0	6.2	6.3
* DERBY XTREME (IS-PR 268)	5.7	6.7	6.2	7.3	5.7	6.4	6.3
* PALACE (IS-PR 273)	6.2	5.7	6.6	7.4	5.9	6.1	6.3
* EXACTA II GLSR (LTP-611-GLSR)	5.3	6.6	6.3	7.4	6.4	5.9	6.3
* KEYSTONE 2 (IS-PR 312)	6.3	7.2	4.9	7.1	5.9	6.4	6.3
* PARAGON GLR	5.4	7.1	5.8	7.4	6.0	6.0	6.3
* ZOOM (LCK)	6.1	6.4	5.3	7.4	6.1	6.3	6.3
* KOKOMO II (IS-PR 235)	6.3	6.0	6.0	7.2	6.0	6.1	6.3
* REVENGE GLX (JR-348)	6.2	5.8	6.0	6.7	6.8	5.9	6.2
* PALMER V (RNS)	5.5	6.3	6.4	7.2	5.9	6.1	6.2
* APPLE GL (AAZ-B104)	5.1	7.3	6.1	7.1	5.9	5.9	6.2
* STELLAR GL (IS-PR 236)	6.0	6.1	5.9	7.6	5.8	6.0	6.2
* NOTABLE (AF)	6.2	7.0	5.8	7.2	5.8	5.2	6.2
* FIESTA 4 (PICK F4)	5.3	6.5	5.7	7.4	6.0	6.3	6.2
* REGAL 5 (IS-PR 271)	5.9	5.8	6.0	7.3	6.1	6.2	6.2
* UNO (D04-11T)	5.8	5.6	6.2	7.1	6.5	6.0	6.2
* SR 4600 (SRX 4SP)	5.4	6.8	6.0	7.2	5.9	5.9	6.2
* TRANSFORMER (D04-1667)	5.4	6.5	6.4	7.3	5.8	5.6	6.2
MMW	5.6	6.1	6.3	7.1	5.6	6.4	6.2
* HARRIER (SRX 4UP3)	5.5	6.8	6.0	6.9	5.9	5.9	6.2
* DASHER 3 (PICK RB-1)	5.6	6.5	6.0	7.2	5.8	6.0	6.2
* BUENA VISTA	5.3	6.3	6.3	6.9	5.8	6.2	6.1
* PALMER IV	5.6	5.9	6.0	7.5	5.9	5.9	6.1
* PRIMARY (IS-PR 269)	5.9	6.6	6.0	6.8	5.5	6.0	6.1
* EDGE II (AC2)	5.7	5.6	5.7	7.5	5.8	6.3	6.1
CHIVALRY (APR 1648)	5.6	4.7	6.3	7.1	5.9	6.8	6.1
* SILVER DOLLAR	5.9	6.2	5.8	7.1	5.5	5.9	6.1
* LINE DRIVE GLS (APR 1797)	5.7	6.6	5.6	7.1	5.5	5.9	6.1
* PANTHER GLS	5.5	7.0	6.2	6.4	5.8	5.3	6.1
* GRAND SLAM 2 (PST-2GSM)	5.9	6.5	5.7	7.1	5.6	5.6	6.0
PALMER GLS (GL-2)	5.6	5.9	6.1	7.4	5.8	5.5	6.0
* 1G SQUARED (APR 1664)	5.2	6.2	5.9	7.2	5.7	6.0	6.0
* ASP6004 (EXS54)	5.5	5.3	5.9	7.3	6.1	6.1	6.0
* WIND DANCE 2 (PWDR)	5.5	4.8	6.0	7.7	6.4	5.8	6.0
* PROTEGE GLR	5.0	6.3	6.1	7.1	6.1	5.6	6.0
* OVERDRIVE	5.7	6.3	5.9	6.9	5.7	5.7	6.0
* CALYPSO 3 (MS2)	6.0	5.1	5.5	6.7	6.2	6.3	6.0
* CUTTER II (PM 101)	5.7	5.2	6.0	7.1	5.6	6.2	6.0
* MAJESTY II (VB77)	5.3	5.0	6.0	7.6	5.8	6.2	6.0
* MANHATTAN 5 GLR (PST-2AM)	5.4	6.3	6.0	7.0	5.3	5.8	6.0

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" \*\*/  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	MD1	NE1	RI1	UT1	MEAN
* HAWKEYE 2 (SRX 4692)	6.0	5.8	5.8	7.1	5.4	5.6	5.9
* SECRETARIAT II GLSR (LTP-101-GLSR)	5.9	6.6	5.3	6.8	5.2	5.9	5.9
* GRAY FOX (PST-2MNG)	5.7	6.7	5.7	7.1	5.0	5.5	5.9
* NEXUS XR (SNR)	5.0	5.1	5.8	7.4	5.8	6.4	5.9
* FIREBOLT (PRG HS-01-09)	5.7	4.5	6.3	7.5	5.5	6.1	5.9
* PHENOM (APR 1660)	5.5	6.0	5.8	7.1	5.5	5.6	5.9
* PLATEAU (PST-2LAN)	6.0	5.7	6.1	6.9	5.5	5.2	5.9
* CHARISMATIC II GLSR (LTP-PG-GLSR)	5.5	6.1	5.5	7.1	5.7	5.5	5.9
LS 2300 (APR 1670)	5.3	6.3	6.0	6.8	5.4	5.6	5.9
* CADDIESHACK II (JR-163)	5.9	5.0	6.1	7.0	5.5	5.7	5.9
* PLEASURE SUPREME (PM 103)	5.5	5.2	6.0	7.2	5.6	5.8	5.9
TR47	5.0	4.5	6.0	7.9	5.8	6.1	5.9
* ASP6006 (LPFG)	5.6	4.2	5.7	7.3	5.8	6.7	5.9
* TOP GUN II (JR-324)	5.6	5.1	5.8	7.1	5.7	5.9	5.8
PST-2BLK	5.9	6.2	5.7	7.1	5.3	4.9	5.8
PST-217	5.5	5.5	5.9	6.9	5.4	5.9	5.8
* BRIGHTSTAR SLT	5.8	4.7	5.9	7.2	5.8	5.7	5.8
* PINNACLE II	5.6	5.8	5.4	7.1	5.5	5.7	5.8
* BACCARAT (RAD-PR8)	5.3	6.0	5.6	6.2	6.0	5.9	5.8
* DEFENDER (D04-UP)	4.8	5.6	5.9	7.1	5.9	5.6	5.8
* CITATION FORE	5.3	6.4	6.2	6.2	5.3	5.3	5.8
VB99	4.9	4.7	5.7	7.3	5.8	6.4	5.8
* ASP6003 (TRS)	4.8	4.3	6.0	7.4	5.4	6.8	5.8
* NEXUS XD (SP4)	5.0	4.3	6.0	7.2	6.0	6.1	5.8
* PENTIUM	5.5	5.8	5.4	7.1	5.8	5.0	5.8
* DART (APR 1663)	5.6	5.7	5.8	6.9	5.4	5.3	5.8
D04-LP05	5.7	5.1	6.3	6.4	5.6	5.4	5.8
* REPELL GLS	5.5	5.7	5.5	6.7	5.7	5.4	5.8
* ACCENT II (JR-119)	5.3	5.5	5.5	7.0	5.5	5.7	5.8
ES45	4.5	4.8	6.3	7.0	5.7	6.3	5.8
* MACH I	4.8	4.8	5.3	7.4	5.7	6.6	5.7
* MONTEREY 3 (JR-408)	5.6	4.3	6.0	6.9	5.5	6.0	5.7
* FIJI (GPR)	4.7	5.0	5.7	7.3	5.7	6.0	5.7
* PRESIDIO (CNV)	4.9	4.9	5.8	6.7	6.2	5.8	5.7
PST-2AG4	5.2	5.2	6.1	6.9	5.4	5.5	5.7
* CABO II (IS-PR 233)	5.5	5.3	5.5	6.9	5.5	5.3	5.7
* ASP6001 (RTS)	4.9	4.5	5.7	7.1	5.9	6.0	5.7
BAR LP 4317	6.0	5.8	6.0	6.3	5.2	4.6	5.7
* INSPIRE	5.4	4.7	5.5	7.0	5.6	5.7	5.6
* LA QUINTA (JR-255)	5.6	4.4	5.3	7.5	5.1	5.8	5.6
* FUSION	5.3	4.9	6.0	6.8	5.4	5.4	5.6
* ASP6002 (BPR)	4.9	3.9	5.8	7.3	5.7	6.2	5.6
* ASP6005 (AJM)	4.6	4.5	5.4	7.4	5.5	6.2	5.6
* DELAWARE XL (PICK 01-2)	5.0	4.7	5.7	7.2	5.4	5.8	5.6
* GOALKEEPER II (JR-114)	5.7	4.4	5.8	6.9	5.3	5.6	5.6
PIANIST (DP 17-9505)	5.0	5.1	6.2	6.4	5.6	5.3	5.6

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" \*\*/  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	MD1	NE1	RI1	UT1	MEAN
* PIZAZZ	5.4	3.7	5.7	7.2	5.6	5.8	5.6
FOREVER (DP 17-9499)	4.5	4.6	5.9	7.4	6.0	5.0	5.6
BAR LP 4420	5.5	5.0	5.7	6.9	5.0	5.3	5.6
* SUNSHINE 2	5.2	4.1	6.0	6.7	5.5	5.8	5.6
GALATTI (DP 17-9502)	4.5	4.5	5.5	7.3	5.5	5.8	5.5
* WAYFARER (L44)	4.4	4.0	5.9	7.0	5.7	6.2	5.5
* GRAY STAR (PST-2LGL)	5.3	5.0	4.9	6.7	5.8	5.5	5.5
E-99	5.1	5.1	6.3	6.0	5.3	5.2	5.5
SRX 4682	5.3	5.3	5.7	6.3	5.4	4.8	5.5
PICK 02-R	5.5	3.3	4.3	7.4	5.7	6.6	5.5
* RINGER II (04-BEN)	5.9	4.3	4.9	7.2	5.0	5.4	5.5
DP 17-9788	4.4	5.4	5.7	6.9	5.1	5.1	5.5
* HALO (KN42)	4.4	4.0	5.6	6.9	5.9	5.9	5.4
* HEADSTART 2	5.2	4.3	5.0	7.2	5.4	5.6	5.4
PM 102	4.5	3.6	5.8	7.2	5.4	6.0	5.4
* PREMIER II	5.5	4.3	5.0	6.7	5.2	5.5	5.4
* BARLENNIUM	5.3	4.3	5.2	7.1	5.5	5.0	5.4
* BREA (04-BRE)	5.0	4.8	5.1	6.9	4.9	5.4	5.4
* PACESETTER II (PS-2)	5.5	3.3	5.5	7.1	5.5	5.3	5.4
* QUICKSILVER	4.7	3.8	5.3	7.0	5.4	5.8	5.3
* PALMER III	4.9	5.0	5.4	6.8	4.8	4.8	5.3
BAR LP 4920	5.5	3.2	5.0	6.8	4.9	5.3	5.1
PANTHER	5.3	3.0	5.1	6.5	4.9	4.8	4.9
* AFFINITY	5.1	4.8	4.5	6.1	4.8	4.1	4.9
LPR 02203	4.7	2.3	4.9	6.6	4.6	4.6	4.6
* PREMIER	4.3	4.2	4.8	6.2	4.4	3.7	4.6
* PINNACLE	3.4	4.2	4.6	6.7	4.3	4.2	4.6
* LINN	2.4	1.8	2.1	4.8	2.1	2.3	2.6
LSD VALUE	1.2	1.1	1.1	0.9	1.1	0.8	0.4
C.V. (%)	14.1	13.4	11.8	7.9	11.8	8.7	11.2

\* COMMERCIALY AVAILABLE IN THE USA IN 2010.

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.

\*\*/ SCHEDULE A

1/2 - 3/4 INCH MOWING HEIGHT

1/2 - 3/4 lb. N/1000 FT<sup>2</sup>/PER GROWING MONTH

IRRIGATION TO PREVENT STRESS OR DORMANCY

FUNGICIDES ONLY TO PREVENT SEVERE STAND LOSS

INSECTICIDES ONLY TO PREVENT STAND LOSS

WEED CONTROL APPLIED AS NEEDED TO PREVENT STAND LOSS

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT EIGHT LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" \*/  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	MI1	NJ1	OR1	PA1	VA1	WI1	MEAN
FIESTA 4 (PICK F4)	7.4	6.7	6.4	6.1	6.4	7.7	7.1	5.3	6.7
PALMER IV	7.3	6.5	6.6	6.3	6.1	7.5	6.9	5.6	6.6
TRANSFORMER (D04-1667)	7.4	7.5	6.0	5.7	5.9	6.7	6.3	7.1	6.6
PARAGON GLR	7.3	7.1	6.6	5.4	6.1	6.9	7.0	6.0	6.5
HOMERUN (RG3P)	7.5	7.3	6.0	6.4	6.4	7.2	6.8	4.5	6.5
PALMER V (RNS)	7.2	7.1	6.7	6.3	6.1	7.5	6.3	4.9	6.5
EXACTA II GLSR (LTP-611-GLSR)	7.6	7.3	6.7	5.3	6.4	7.0	6.3	5.5	6.5
UNO (D04-11T)	7.0	6.7	6.4	6.8	6.4	8.1	6.4	3.9	6.5
KOKOMO II (IS-PR 235)	7.7	6.9	6.3	5.9	6.3	6.8	6.3	5.5	6.5
SR 4600 (SRX 4SP)	7.3	6.6	6.3	6.3	6.0	6.0	6.4	6.7	6.5
REVENGE GLX (JR-348)	7.4	6.9	6.6	5.9	5.6	7.2	6.8	5.3	6.4
DERBY XTREME (IS-PR 268)	7.4	6.6	6.2	6.3	6.3	7.7	6.8	4.3	6.4
SOPRANO (DP1)	7.5	6.7	6.8	5.1	6.1	7.1	6.6	5.6	6.4
KEYSTONE 2 (IS-PR 312)	7.4	6.9	6.6	6.1	5.7	7.1	6.5	5.2	6.4
ZOOM (LCK)	7.4	7.0	6.0	5.8	6.1	8.0	6.1	5.1	6.4
APPLE GL (AAZ-B104)	7.3	7.0	6.2	6.4	6.3	7.0	6.2	4.8	6.4
PRIMARY (IS-PR 269)	7.0	7.3	6.0	6.2	5.7	6.7	6.7	5.5	6.4
GRAND SLAM 2 (PST-2GSM)	7.4	6.8	6.0	5.9	5.7	6.6	7.0	5.6	6.4
OVERDRIVE	7.3	7.1	6.2	5.0	6.2	6.6	6.6	6.0	6.4
PALACE (IS-PR 273)	7.6	6.8	6.3	5.8	6.2	7.5	6.4	4.3	6.4
CHIVALRY (APR 1648)	7.6	6.8	6.3	5.4	5.8	7.0	6.3	5.7	6.4
ALLSTAR 3 (IS-PR 274)	7.4	6.8	6.2	6.0	6.1	7.2	6.2	4.8	6.3
ATTRIBUTE (IS-PR 270)	7.2	6.9	6.5	5.6	6.1	7.1	6.6	4.7	6.3
MMW	7.6	6.7	6.5	5.4	5.6	6.7	6.4	5.5	6.3
REGAL 5 (IS-PR 271)	7.5	6.9	6.4	5.6	6.3	6.5	5.6	5.7	6.3
PANTHER GLS	7.5	7.4	6.4	5.0	5.8	6.4	6.3	5.5	6.3
AMAZING GS (IS-PR 276)	7.5	7.0	5.8	6.3	5.9	7.3	6.2	4.3	6.3
PROTEGE GLR	7.5	6.7	6.4	5.0	6.0	7.1	6.3	5.3	6.3
PALMER GLS (GL-2)	7.0	7.5	6.5	5.8	5.5	6.7	6.8	4.1	6.2
PLEASURE SUPREME (PM 103)	7.6	6.5	6.1	5.8	5.8	7.0	6.3	4.8	6.2
TOP GUN II (JR-324)	7.3	7.0	6.1	5.0	5.3	6.9	7.0	5.1	6.2
MANHATTAN 5 GLR (PST-2AM)	7.4	6.9	6.3	5.4	5.6	6.6	6.7	4.7	6.2
GRAY STAR (PST-2LGL)	7.0	7.4	6.2	5.3	5.7	6.3	6.4	5.0	6.2
CALYPSO 3 (MS2)	7.3	6.1	6.3	5.5	5.7	6.4	5.9	5.9	6.2
ASP6004 (EXS54)	7.3	6.0	6.0	4.8	5.7	6.8	6.6	6.0	6.1
DASHER 3 (PICK RB-1)	7.2	6.1	6.4	5.3	6.1	6.7	6.1	5.3	6.1
PST-2AG4	7.2	7.1	6.3	5.3	5.7	7.0	6.1	4.1	6.1
SILVER DOLLAR	7.3	6.9	6.3	5.4	5.7	6.5	6.1	4.6	6.1
NOTABLE (AF)	7.3	6.3	6.5	5.7	5.6	6.6	6.0	4.9	6.1
STELLAR GL (IS-PR 236)	7.3	5.9	6.2	5.0	6.1	7.4	6.7	4.1	6.1
BUENA VISTA	7.3	6.7	6.0	5.2	5.9	6.1	6.7	4.9	6.1
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.0	6.3	6.0	5.6	5.8	5.9	6.7	5.5	6.1
PINNACLE II	7.4	6.1	6.0	5.7	5.5	6.6	5.7	5.6	6.1
D04-LP05	6.9	6.2	6.2	4.4	5.9	6.2	6.5	6.3	6.1
PROTOTYPE (DCM)	7.3	7.0	6.2	5.1	5.7	6.7	6.6	4.0	6.1

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT EIGHT LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" \*/  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	MI1	NJ1	OR1	PA1	VA1	WI1	MEAN
LINE DRIVE GLS (APR 1797)	7.0	6.1	6.3	5.8	5.7	6.1	6.5	5.1	6.1
ACCENT II (JR-119)	7.0	6.8	6.2	5.2	5.4	5.8	6.6	5.4	6.0
MAJESTY II (VB77)	7.1	6.9	5.9	4.7	5.8	6.6	6.4	5.0	6.0
CUTTER II (PM 101)	7.2	6.1	6.5	5.1	6.3	6.5	6.2	4.4	6.0
CITATION FORE	7.2	6.5	6.7	5.1	5.6	6.2	6.1	4.9	6.0
PACESETTER II (PS-2)	7.0	6.4	5.9	4.9	5.7	6.6	6.3	5.3	6.0
ASP6002 (BPR)	7.1	6.7	6.2	4.4	5.4	6.9	5.9	5.5	6.0
RINGER II (04-BEN)	7.2	6.6	6.0	5.0	5.6	5.7	6.4	5.7	6.0
GRAY FOX (PST-2MNG)	6.9	7.5	5.8	4.8	5.6	6.7	6.7	4.2	6.0
FIJI (GPR)	7.3	6.8	6.0	4.4	6.0	6.9	5.8	4.8	6.0
ASP6003 (TRS)	7.2	5.8	5.7	5.5	6.0	7.1	6.1	4.7	6.0
HARRIER (SRX 4UP3)	7.4	5.7	6.3	5.4	5.6	6.0	6.3	5.2	6.0
SECRETARIAT II GLSR (LTP-101-GLSR)	6.8	6.8	5.6	5.7	5.8	6.5	6.5	4.4	6.0
GOALKEEPER II (JR-114)	7.1	6.6	5.9	4.8	5.4	5.4	6.7	5.9	6.0
PST-217	7.3	6.6	6.1	4.8	5.5	6.5	6.4	4.6	6.0
1G SQUARED (APR 1664)	7.3	5.4	6.3	5.3	5.6	6.6	6.2	5.0	6.0
MACH I	7.4	5.4	5.9	5.3	5.8	6.8	5.1	6.1	6.0
BACCARAT (RAD-PR8)	7.4	7.2	6.3	5.1	5.6	5.8	6.1	4.3	6.0
FOREVER (DP 17-9499)	7.2	6.4	6.0	5.2	5.4	6.8	5.6	5.3	6.0
DELAWARE XL (PICK 01-2)	7.2	6.0	6.3	5.1	5.6	6.7	6.0	4.8	6.0
EDGE II (AC2)	7.0	6.7	6.5	4.6	5.5	5.8	6.4	5.1	6.0
DEFENDER (D04-UP)	7.4	6.3	6.5	5.4	5.7	6.1	6.0	4.1	5.9
REPELL GLS	7.3	6.7	6.0	4.9	5.6	6.1	6.7	4.3	5.9
FUSION	7.4	6.1	5.9	5.3	5.8	5.9	6.2	4.8	5.9
E-99	7.0	6.6	6.4	5.5	5.6	5.8	6.5	4.0	5.9
LA QUINTA (JR-255)	7.3	5.4	5.7	4.3	5.8	6.3	6.8	5.9	5.9
FIREBOLT (PRG HS-01-09)	6.9	6.4	6.0	5.0	5.6	6.6	6.2	4.7	5.9
TR47	7.2	6.2	6.0	4.7	6.0	6.9	6.2	4.1	5.9
PLATEAU (PST-2LAN)	6.7	7.1	6.4	4.9	5.8	5.7	6.9	3.6	5.9
ES45	7.5	6.5	6.3	4.8	5.8	6.2	6.1	3.9	5.9
ASP6001 (RTS)	7.3	6.5	5.7	4.4	5.4	6.5	6.0	5.3	5.9
NEXUS XR (SNR)	7.3	6.3	6.1	4.1	5.6	7.1	5.9	4.5	5.9
NEXUS XD (SP4)	7.2	6.4	5.9	4.5	6.1	6.9	5.2	4.7	5.9
CADDIESHACK II (JR-163)	6.4	6.9	5.9	4.4	5.4	6.1	6.5	5.2	5.9
DART (APR 1663)	7.3	6.0	5.7	5.8	5.6	6.1	5.8	4.6	5.8
PIZZAZZ	7.1	5.1	6.5	4.4	5.3	6.6	5.6	6.2	5.8
PENTIUM	7.4	6.0	6.0	5.0	5.3	5.7	6.0	5.3	5.8
VB99	7.0	6.7	6.4	4.0	6.2	6.6	5.7	4.3	5.8
BAR LP 4420	7.6	6.4	6.1	4.5	5.6	5.9	5.6	5.0	5.8
QUICKSILVER	7.3	6.2	6.1	5.0	5.4	6.6	5.8	4.3	5.8
MONTEREY 3 (JR-408)	6.9	6.6	6.0	3.6	5.4	7.2	7.1	3.9	5.8
BAR LP 4317	7.0	6.8	6.0	4.4	5.1	5.6	5.6	6.0	5.8
GALATTI (DP 17-9502)	6.8	6.1	5.7	5.2	5.5	6.8	5.8	4.7	5.8
BREA (04-BRE)	7.0	5.6	6.1	5.2	5.3	5.7	5.9	5.7	5.8
PM 102	6.9	6.1	6.1	4.6	5.6	6.3	5.4	5.0	5.8
INSPIRE	7.3	6.0	5.9	5.4	5.3	6.4	6.1	3.7	5.8

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT EIGHT LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" \*/  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	MI1	NJ1	OR1	PA1	VA1	WI1	MEAN
CABO II (IS-PR 233)	7.2	6.5	5.9	4.1	6.2	5.9	6.0	4.2	5.8
ASP6005 (AJM)	7.3	6.3	5.9	4.4	5.5	6.8	5.6	4.2	5.8
PRESIDIO (CNV)	7.5	5.7	5.8	4.3	5.9	7.1	6.0	3.7	5.8
ASP6006 (LPFG)	7.3	5.4	6.1	5.0	5.6	6.9	5.8	3.9	5.8
PST-2BLK	7.0	6.0	6.0	5.7	5.7	5.3	6.1	4.1	5.7
WIND DANCE 2 (PWDR)	7.4	5.8	6.0	4.9	5.6	6.9	5.4	3.7	5.7
SUNSHINE 2	7.0	5.2	5.8	4.2	5.9	6.1	6.5	4.9	5.7
HAWKEYE 2 (SRX 4692)	7.0	6.2	6.0	5.6	5.4	5.8	6.1	3.3	5.7
LS 2300 (APR 1670)	7.0	6.6	6.0	4.6	5.3	5.2	6.1	4.7	5.7
BRIGHTSTAR SLT	7.0	6.5	6.3	4.4	5.2	5.7	5.8	4.5	5.7
HEADSTART 2	7.3	5.6	5.8	5.3	5.4	5.9	6.1	4.1	5.7
HALO (KN42)	6.9	6.3	6.1	4.3	5.9	6.4	6.0	3.3	5.7
SRX 4682	6.7	6.7	5.7	4.8	5.0	4.8	6.1	5.1	5.6
WAYFARER (L44)	7.0	6.0	5.9	4.4	5.9	6.3	5.5	3.8	5.6
DP 17-9788	6.8	6.1	5.8	4.3	5.3	5.3	5.9	5.5	5.6
BARLENNIUM	7.1	6.7	5.7	4.3	5.2	5.6	5.7	4.4	5.6
BAR LP 4920	6.8	5.8	6.0	5.0	5.2	5.3	5.9	4.4	5.6
PALMER III	6.8	5.3	6.0	4.6	5.3	5.7	5.3	4.9	5.5
PICK 02-R	6.9	4.8	5.9	4.4	5.8	6.4	5.0	4.7	5.5
PHENOM (APR 1660)	7.0	5.7	5.7	4.5	5.6	5.9	6.0	3.3	5.5
PREMIER II	6.9	6.1	5.6	4.8	5.3	5.4	5.5	3.9	5.4
PIANIST (DP 17-9505)	6.8	5.6	5.3	4.6	5.4	5.8	5.6	4.1	5.4
PANTHER	6.2	5.3	5.8	4.8	5.0	4.7	5.3	3.3	5.1
PINNACLE	6.0	5.0	5.4	4.5	5.1	3.4	5.1	4.1	4.9
AFFINITY	6.2	5.3	5.4	3.8	4.8	4.6	4.5	3.8	4.8
LPR 02203	5.7	5.3	5.5	3.6	4.9	4.5	5.0	3.9	4.8
PREMIER	6.2	3.5	4.9	4.2	5.0	4.3	4.7	4.6	4.7
LINN	4.0	1.6	3.8	1.0	4.3	1.1	2.8	3.2	2.7
LSD VALUE	0.6	0.9	0.7	1.2	0.5	0.8	0.7	2.1	0.4
C.V. (%)	4.9	9.3	7.3	14.8	5.5	7.5	7.3	27.6	11.2

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.

\*/ SCHEDULE B 1-2 INCH MOWING HEIGHT  
 1/2 - 1 lb. N/1000 FT2/PER GROWING MONTH (HIGH RATE ONLY DURING ESTABLISHMENT)  
 NO IRRIGATION, IRRIGATION ONLY DURING SEVERE STRESS OR TO PREVENT DORMANCY  
 FUNGICIDES ONLY TO PREVENT SEVERE STAND LOSS  
 INSECTICIDES ONLY TO PREVENT STAND LOSS  
 WEED CONTROL APPLIED AS NEEDED TO PREVENT STAND LOSS

TABLE 3. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT FOUR LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE C (HOME LAWN)" \*/  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	MN1	MO1	NY1	MEAN
SILVER DOLLAR	5.9	3.2	7.4	3.9	5.1
APPLE GL (AAZ-B104)	5.8	2.9	6.9	4.1	4.9
HOMERUN (RG3P)	5.6	3.3	6.7	3.9	4.9
PENTIUM	5.5	3.6	6.6	3.8	4.9
CADDIESHACK II (JR-163)	5.5	3.7	6.2	4.0	4.9
PALMER V (RNS)	5.6	2.9	6.9	4.0	4.9
ZOOM (LCK)	6.0	3.3	6.3	3.8	4.8
GRAY FOX (PST-2MNG)	5.3	3.7	6.4	4.0	4.8
DART (APR 1663)	5.4	3.2	6.7	3.9	4.8
BARLENNIUM	5.3	3.6	6.7	3.7	4.8
REPELL GLS	5.1	3.2	6.5	4.3	4.8
MAJESTY II (VB77)	5.5	3.2	6.4	4.0	4.8
VB99	5.4	3.3	6.3	4.0	4.8
GOALKEEPER II (JR-114)	5.2	3.8	6.1	3.9	4.7
PANTHER GLS	4.5	3.1	7.2	4.2	4.7
SECRETARIAT II GLSR (LTP-101-GLSR)	5.5	3.7	6.0	3.8	4.7
CITATION FORE	5.4	2.9	6.8	3.7	4.7
REVENGE GLX (JR-348)	4.8	3.6	6.5	3.9	4.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.6	3.2	6.2	3.7	4.7
BRIGHTSTAR SLT	5.0	3.3	6.4	4.0	4.7
ALLSTAR 3 (IS-PR 274)	5.5	2.4	7.0	3.7	4.7
ACCENT II (JR-119)	5.2	3.0	6.6	3.8	4.7
MANHATTAN 5 GLR (PST-2AM)	5.6	2.4	6.4	4.1	4.6
CHIVALRY (APR 1648)	5.0	3.4	6.4	3.7	4.6
LINE DRIVE GLS (APR 1797)	5.5	2.3	6.9	3.8	4.6
PST-2AG4	5.1	2.8	6.7	3.9	4.6
RINGER II (04-BEN)	5.3	2.7	6.6	3.9	4.6
PLATEAU (PST-2LAN)	5.3	2.8	6.3	4.0	4.6
BAR LP 4317	5.3	2.7	6.5	3.9	4.6
TOP GUN II (JR-324)	5.3	3.1	6.1	3.9	4.6
PACESETTER II (PS-2)	5.2	2.8	6.5	3.9	4.6
BACCARAT (RAD-PR8)	5.3	3.0	6.3	3.8	4.6
PALMER III	5.1	3.2	6.0	3.9	4.6
PREMIER	5.3	4.6	5.2	3.3	4.6
TRANSFORMER (D04-1667)	5.1	2.8	6.5	3.9	4.6
ASP6004 (EXS54)	5.2	2.6	6.4	4.1	4.6
TR47	5.3	3.2	6.0	3.7	4.6
PALMER GLS (GL-2)	4.8	2.4	6.9	4.1	4.6
PST-2BLK	5.3	2.7	6.4	3.8	4.5
SR 4600 (SRX 4SP)	5.4	2.7	6.3	3.9	4.5
EXACTA II GLSR (LTP-611-GLSR)	5.1	2.6	6.6	3.8	4.5
PROTOTYPE (DCM)	5.0	2.8	6.8	3.5	4.5
GRAND SLAM 2 (PST-2GSM)	5.5	2.0	6.7	3.9	4.5
ES45	4.8	3.4	6.2	3.6	4.5
HAWKEYE 2 (SRX 4692)	4.5	3.4	6.3	3.8	4.5

TABLE 3. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT FOUR LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE C (HOME LAWN)" \*/  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	MN1	MO1	NY1	MEAN
PRESIDIO (CNV)	5.0	3.2	6.2	3.6	4.5
OVERDRIVE	5.2	2.4	6.4	4.0	4.5
WIND DANCE 2 (PWDR)	5.2	2.6	6.5	3.7	4.5
SRX 4682	5.2	3.0	6.0	3.8	4.5
HALO (KN42)	5.2	3.1	5.9	3.7	4.5
DASHER 3 (PICK RB-1)	5.1	2.1	6.8	3.9	4.5
FIREBOLT (PRG HS-01-09)	5.1	2.1	6.7	4.0	4.5
CUTTER II (PM 101)	5.2	2.9	6.1	3.7	4.5
AMAZING GS (IS-PR 276)	5.0	2.3	6.3	4.3	4.5
PARAGON GLR	5.2	2.6	6.3	3.8	4.5
PREMIER II	5.3	2.4	6.5	3.7	4.5
PIZZAZZ	4.6	3.2	6.2	3.8	4.5
FIJI (GPR)	5.3	2.3	6.5	3.7	4.5
PALMER IV	4.7	2.4	6.9	3.8	4.5
UNO (D04-11T)	5.3	2.0	6.5	4.0	4.5
BAR LP 4920	4.8	3.8	5.9	3.4	4.5
DP 17-9788	4.8	3.4	5.9	3.7	4.4
CALYPSO 3 (MS2)	5.6	2.2	6.1	3.8	4.4
INSPIRE	5.1	2.9	6.1	3.6	4.4
E-99	5.3	2.4	6.2	3.8	4.4
HARRIER (SRX 4UP3)	4.8	2.8	6.1	4.0	4.4
ASP6002 (BPR)	5.0	2.4	6.2	4.0	4.4
DEFENDER (D04-UP)	5.4	2.3	6.0	3.9	4.4
EDGE II (AC2)	5.2	2.0	6.7	3.8	4.4
STELLAR GL (IS-PR 236)	4.7	2.3	6.8	3.8	4.4
CABO II (IS-PR 233)	4.6	2.9	6.0	4.1	4.4
1G SQUARED (APR 1664)	5.2	2.6	5.8	4.0	4.4
KEYSTONE 2 (IS-PR 312)	5.0	2.3	6.3	3.9	4.4
DERBY XTREME (IS-PR 268)	5.2	2.2	5.8	4.3	4.4
FUSION	5.1	2.6	6.2	3.7	4.4
MONTEREY 3 (JR-408)	5.1	2.3	6.3	3.8	4.4
LS 2300 (APR 1670)	4.9	2.2	6.6	3.8	4.4
ASP6003 (TRS)	4.8	2.9	6.0	3.8	4.4
MACH I	5.0	2.8	5.9	3.8	4.4
LPR 02203	5.5	2.8	5.4	3.8	4.4
ASP6001 (RTS)	5.5	1.8	6.2	4.0	4.4
ASP6006 (LPFG)	5.0	2.9	5.5	4.0	4.3
NOTABLE (AF)	4.6	2.4	6.6	3.8	4.3
PRIMARY (IS-PR 269)	4.9	2.2	6.2	4.0	4.3
BREA (04-BRE)	5.3	2.0	6.3	3.9	4.3
PST-217	5.4	2.3	6.0	3.6	4.3
MMW	5.5	2.0	5.9	3.9	4.3
PROTEGE GLR	5.0	2.4	5.7	4.1	4.3
PINNACLE	4.8	3.4	5.7	3.3	4.3
SUNSHINE 2	4.8	2.1	6.4	4.0	4.3
GRAY STAR (PST-2LGL)	5.0	2.2	6.0	4.0	4.3

TABLE 3. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT FOUR LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE C (HOME LAWN)" \*/  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	MN1	MO1	NY1	MEAN
BUENA VISTA	4.8	2.4	6.3	3.7	4.3
DELAWARE XL (PICK 01-2)	5.0	2.7	5.7	3.7	4.3
FIESTA 4 (PICK F4)	5.7	1.8	5.8	3.8	4.3
PICK 02-R	5.0	2.7	5.8	3.6	4.3
QUICKSILVER	5.3	2.0	5.9	3.9	4.3
PANTHER	5.0	2.9	5.6	3.5	4.2
BAR LP 4420	4.7	2.1	6.3	3.9	4.2
ATTRIBUTE (IS-PR 270)	4.9	2.3	5.9	3.7	4.2
NEXUS XR (SNR)	5.0	2.0	6.2	3.7	4.2
KOKOMO II (IS-PR 235)	4.3	2.2	6.3	4.0	4.2
AFFINITY	5.0	3.0	5.1	3.7	4.2
ASP6005 (AJM)	5.2	1.9	5.7	4.0	4.2
REGAL 5 (IS-PR 271)	4.8	2.2	6.0	3.8	4.2
HEADSTART 2	4.3	2.8	5.8	3.9	4.2
WAYFARER (L44)	4.9	2.4	5.6	3.9	4.2
PM 102	4.8	2.3	5.9	3.7	4.2
PLEASURE SUPREME (PM 103)	4.9	1.7	6.3	3.9	4.2
PALACE (IS-PR 273)	5.1	1.9	6.0	3.8	4.2
PHENOM (APR 1660)	4.6	2.0	6.3	3.8	4.2
LA QUINTA (JR-255)	4.9	2.2	5.4	4.1	4.2
NEXUS XD (SP4)	4.9	2.2	5.6	3.8	4.1
PIANIST (DP 17-9505)	4.8	2.1	5.6	4.0	4.1
SOPRANO (DP1)	4.8	1.9	5.8	3.9	4.1
GALATTI (DP 17-9502)	4.4	2.1	6.0	3.8	4.1
D04-LP05	4.5	1.7	6.3	3.5	4.0
FOREVER (DP 17-9499)	4.7	1.4	6.0	3.8	4.0
PINNACLE II	4.3	1.4	6.1	3.8	3.9
LINN	2.5	1.1	3.9	3.3	2.7
LSD VALUE	0.7	1.3	0.9	0.5	0.4
C.V. (%)	8.3	29.5	9.5	8.9	12.6

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.

\*/ SCHEDULE C 1.5 - 2.5 INCH MOWING HEIGHT  
 0.3 - 0.5 lb. N/1000 FT<sup>2</sup>/PER GROWING MONTH  
 NO IRRIGATION, IRRIGATION ONLY DURING SEVERE STRESS OR TO PREVENT DORMANCY  
 NO FUNGICIDES  
 NO INSECTICIDES  
 WEED CONTROL APPLIED AS NEEDED TO PREVENT STAND LOSS

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT FIVE LOCATIONS 1/  
 IN THE NORTHEAST REGION  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	NY1	PA1	RI1	MEAN
UNO (D04-11T)	5.3	6.8	4.0	8.1	6.5	6.1
ZOOM (LCK)	6.0	5.8	3.8	8.0	6.1	5.9
FIESTA 4 (PICK F4)	5.7	6.1	3.8	7.7	6.0	5.9
PALMER V (RNS)	5.6	6.3	4.0	7.5	5.9	5.9
APPLE GL (AAZ-B104)	5.8	6.4	4.1	7.0	5.9	5.8
DERBY XTREME (IS-PR 268)	5.2	6.3	4.3	7.7	5.7	5.8
HOMERUN (RG3P)	5.6	6.4	3.9	7.2	6.0	5.8
AMAZING GS (IS-PR 276)	5.0	6.3	4.3	7.3	6.0	5.8
ALLSTAR 3 (IS-PR 274)	5.5	6.0	3.7	7.2	6.3	5.7
REVENGE GLX (JR-348)	4.8	5.9	3.9	7.2	6.8	5.7
PALMER IV	4.7	6.3	3.8	7.5	5.9	5.6
PALACE (IS-PR 273)	5.1	5.8	3.8	7.5	5.9	5.6
KEYSTONE 2 (IS-PR 312)	5.0	6.1	3.9	7.1	5.9	5.6
EXACTA II GLSR (LTP-611-GLSR)	5.1	5.3	3.8	7.0	6.4	5.5
CALYPSO 3 (MS2)	5.6	5.5	3.8	6.4	6.2	5.5
GRAND SLAM 2 (PST-2GSM)	5.5	5.9	3.9	6.6	5.6	5.5
ATTRIBUTE (IS-PR 270)	4.9	5.6	3.7	7.1	6.1	5.5
SR 4600 (SRX 4SP)	5.4	6.3	3.9	6.0	5.9	5.5
PRIMARY (IS-PR 269)	4.9	6.2	4.0	6.7	5.5	5.5
PROTEGE GLR	5.0	5.0	4.1	7.1	6.1	5.5
PARAGON GLR	5.2	5.4	3.8	6.9	6.0	5.4
SILVER DOLLAR	5.9	5.4	3.9	6.5	5.5	5.4
PALMER GLS (GL-2)	4.8	5.8	4.1	6.7	5.8	5.4
PLEASURE SUPREME (PM 103)	4.9	5.8	3.9	7.0	5.6	5.4
WIND DANCE 2 (PWDR)	5.2	4.9	3.7	6.9	6.4	5.4
MMW	5.5	5.4	3.9	6.7	5.6	5.4
TRANSFORMER (D04-1667)	5.1	5.7	3.9	6.7	5.8	5.4
CHIVALRY (APR 1648)	5.0	5.4	3.7	7.0	5.9	5.4
KOKOMO II (IS-PR 235)	4.3	5.9	4.0	6.8	6.0	5.4
MANHATTAN 5 GLR (PST-2AM)	5.6	5.4	4.1	6.6	5.3	5.4
SOPRANO (DP1)	4.8	5.1	3.9	7.1	6.2	5.4
ASP6004 (EXS54)	5.2	4.8	4.1	6.8	6.1	5.4
1G SQUARED (APR 1664)	5.2	5.3	4.0	6.6	5.7	5.4
REGAL 5 (IS-PR 271)	4.8	5.6	3.8	6.5	6.1	5.4
TOP GUN II (JR-324)	5.3	5.0	3.9	6.9	5.7	5.3
PST-2AG4	5.1	5.3	3.9	7.0	5.4	5.3
ASP6006 (LPFG)	5.0	5.0	4.0	6.9	5.8	5.3
STELLAR GL (IS-PR 236)	4.7	5.0	3.8	7.4	5.8	5.3
DEFENDER (D04-UP)	5.4	5.4	3.9	6.1	5.9	5.3
LINE DRIVE GLS (APR 1797)	5.5	5.8	3.8	6.1	5.5	5.3
DASHER 3 (PICK RB-1)	5.1	5.3	3.9	6.7	5.8	5.3
PROTOTYPE (DCM)	5.0	5.1	3.5	6.7	6.3	5.3
SECRETARIAT II GLSR (LTP-101-GLSR)	5.5	5.7	3.8	6.5	5.2	5.3
ASP6003 (TRS)	4.8	5.5	3.8	7.1	5.4	5.3
MACH I	5.0	5.3	3.8	6.8	5.7	5.3

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT FIVE LOCATIONS 1/  
 IN THE NORTHEAST REGION  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	NY1	PA1	RI1	MEAN
FOREVER (DP 17-9499)	4.7	5.2	3.8	6.8	6.0	5.3
DART (APR 1663)	5.4	5.8	3.9	6.1	5.4	5.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.6	5.6	3.7	5.9	5.7	5.3
MAJESTY II (VB77)	5.5	4.7	4.0	6.6	5.8	5.3
NOTABLE (AF)	4.6	5.7	3.8	6.6	5.8	5.3
OVERDRIVE	5.2	5.0	4.0	6.6	5.7	5.3
GRAY STAR (PST-2LGL)	5.0	5.3	4.0	6.3	5.8	5.3
TR47	5.3	4.7	3.7	6.9	5.8	5.3
ASP6001 (RTS)	5.5	4.4	4.0	6.5	5.9	5.3
PACESETTER II (PS-2)	5.2	4.9	3.9	6.6	5.5	5.2
PRESIDIO (CNV)	5.0	4.3	3.6	7.1	6.2	5.2
INSPIRE	5.1	5.4	3.6	6.4	5.6	5.2
HARRIER (SRX 4UP3)	4.8	5.4	4.0	6.0	5.9	5.2
QUICKSILVER	5.3	5.0	3.9	6.6	5.4	5.2
REPELL GLS	5.1	4.9	4.3	6.1	5.7	5.2
NEXUS XD (SP4)	4.9	4.5	3.8	6.9	6.0	5.2
ASP6002 (BPR)	5.0	4.4	4.0	6.9	5.7	5.2
FIREBOLT (PRG HS-01-09)	5.1	5.0	4.0	6.6	5.5	5.2
CUTTER II (PM 101)	5.2	5.1	3.7	6.5	5.6	5.2
FIJI (GPR)	5.3	4.4	3.7	6.9	5.7	5.2
ASP6005 (AJM)	5.2	4.4	4.0	6.8	5.5	5.2
BACCARAT (RAD-PR8)	5.3	5.1	3.8	5.8	6.0	5.2
PANTHER GLS	4.5	5.0	4.2	6.4	5.8	5.2
DELAWARE XL (PICK 01-2)	5.0	5.1	3.7	6.7	5.4	5.2
PINNACLE II	4.3	5.7	3.8	6.6	5.5	5.2
GRAY FOX (PST-2MNG)	5.3	4.8	4.0	6.7	5.0	5.2
PENTIUM	5.5	5.0	3.8	5.7	5.8	5.2
CITATION FORE	5.4	5.1	3.7	6.2	5.3	5.2
VB99	5.4	4.0	4.0	6.6	5.8	5.2
E-99	5.3	5.5	3.8	5.8	5.3	5.1
GALATTI (DP 17-9502)	4.4	5.2	3.8	6.8	5.5	5.1
PST-217	5.4	4.8	3.6	6.5	5.4	5.1
NEXUS XR (SNR)	5.0	4.1	3.7	7.1	5.8	5.1
CADDIESHACK II (JR-163)	5.5	4.4	4.0	6.1	5.5	5.1
BUENA VISTA	4.8	5.2	3.7	6.1	5.8	5.1
HALO (KN42)	5.2	4.3	3.7	6.4	5.9	5.1
PLATEAU (PST-2LAN)	5.3	4.9	4.0	5.7	5.5	5.1
ACCENT II (JR-119)	5.2	5.2	3.8	5.8	5.5	5.1
FUSION	5.1	5.3	3.7	5.9	5.4	5.1
PST-2BLK	5.3	5.7	3.8	5.3	5.3	5.1
MONTEREY 3 (JR-408)	5.1	3.6	3.8	7.2	5.5	5.0
EDGE II (AC2)	5.2	4.6	3.8	5.8	5.8	5.0
WAYFARER (L44)	4.9	4.4	3.9	6.3	5.7	5.0
HAWKEYE 2 (SRX 4692)	4.5	5.6	3.8	5.8	5.4	5.0
PICK 02-R	5.0	4.4	3.6	6.4	5.7	5.0
ES45	4.8	4.8	3.6	6.2	5.7	5.0

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT FIVE LOCATIONS 1/  
 IN THE NORTHEAST REGION  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	NY1	PA1	RI1	MEAN
PIZZAZZ	4.6	4.4	3.8	6.6	5.6	5.0
RINGER II (04-BEN)	5.3	5.0	3.9	5.7	5.0	5.0
BREA (04-BRE)	5.3	5.2	3.9	5.7	4.9	5.0
PM 102	4.8	4.6	3.7	6.3	5.4	5.0
BRIGHTSTAR SLT	5.0	4.4	4.0	5.7	5.8	5.0
LA QUINTA (JR-255)	4.9	4.3	4.1	6.3	5.1	4.9
PIANIST (DP 17-9505)	4.8	4.6	4.0	5.8	5.6	4.9
HEADSTART 2	4.3	5.3	3.9	5.9	5.4	4.9
SUNSHINE 2	4.8	4.2	4.0	6.1	5.5	4.9
GOALKEEPER II (JR-114)	5.2	4.8	3.9	5.4	5.3	4.9
BAR LP 4317	5.3	4.4	3.9	5.6	5.2	4.9
PHENOM (APR 1660)	4.6	4.5	3.8	5.9	5.5	4.9
BARLENNIUM	5.3	4.3	3.7	5.6	5.5	4.9
PREMIER II	5.3	4.8	3.7	5.4	5.2	4.9
CABO II (IS-PR 233)	4.6	4.1	4.1	5.9	5.5	4.9
D04-LP05	4.5	4.4	3.5	6.2	5.6	4.8
PALMER III	5.1	4.6	3.9	5.7	4.8	4.8
BAR LP 4420	4.7	4.5	3.9	5.9	5.0	4.8
SRX 4682	5.2	4.8	3.8	4.8	5.4	4.8
LS 2300 (APR 1670)	4.9	4.6	3.8	5.2	5.4	4.8
BAR LP 4920	4.8	5.0	3.4	5.3	4.9	4.7
DP 17-9788	4.8	4.3	3.7	5.3	5.1	4.6
PANTHER	5.0	4.8	3.5	4.7	4.9	4.6
LPR 02203	5.5	3.6	3.8	4.5	4.6	4.4
AFFINITY	5.0	3.8	3.7	4.6	4.8	4.4
PREMIER	5.3	4.2	3.3	4.3	4.4	4.3
PINNACLE	4.8	4.5	3.3	3.4	4.3	4.1
LINN	2.5	1.0	3.3	1.1	2.1	2.0
LSD VALUE	0.7	1.2	0.5	0.8	1.1	0.4
C.V. (%)	8.3	14.8	8.9	7.5	11.8	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 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT FIVE LOCATIONS 1/  
 IN THE TRANSITION REGION  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MD1	MO1	VA1	MEAN
PANTHER GLS	7.4	7.0	6.2	7.2	6.3	6.8
HOMERUN (RG3P)	7.3	7.0	5.8	6.7	6.8	6.7
APPLE GL (AAZ-B104)	7.0	7.3	6.1	6.9	6.2	6.7
ALLSTAR 3 (IS-PR 274)	6.8	7.3	6.1	7.0	6.2	6.7
PARAGON GLR	7.1	7.1	5.8	6.3	7.0	6.7
TRANSFORMER (D04-1667)	7.5	6.5	6.4	6.5	6.3	6.6
PALMER GLS (GL-2)	7.5	5.9	6.1	6.9	6.8	6.6
EXACTA II GLSR (LTP-611-GLSR)	7.3	6.6	6.3	6.6	6.3	6.6
PALMER V (RNS)	7.1	6.3	6.4	6.9	6.3	6.6
GRAY FOX (PST-2MNG)	7.5	6.7	5.7	6.4	6.7	6.6
PROTOTYPE (DCM)	7.0	6.7	5.8	6.8	6.6	6.6
PRIMARY (IS-PR 269)	7.3	6.6	6.0	6.2	6.7	6.5
GRAND SLAM 2 (PST-2GSM)	6.8	6.5	5.7	6.7	7.0	6.5
SILVER DOLLAR	6.9	6.2	5.8	7.4	6.1	6.5
ATTRIBUTE (IS-PR 270)	6.9	6.7	6.4	5.9	6.6	6.5
MANHATTAN 5 GLR (PST-2AM)	6.9	6.3	6.0	6.4	6.7	6.5
SOPRANO (DP1)	6.7	6.7	6.5	5.8	6.6	6.5
OVERDRIVE	7.1	6.3	5.9	6.4	6.6	6.4
BUENA VISTA	6.7	6.3	6.3	6.3	6.7	6.4
AMAZING GS (IS-PR 276)	7.0	6.7	6.0	6.3	6.2	6.4
PLATEAU (PST-2LAN)	7.1	5.7	6.1	6.3	6.9	6.4
CITATION FORE	6.5	6.4	6.2	6.8	6.1	6.4
PALMER IV	6.5	5.9	6.0	6.9	6.9	6.4
DERBY XTREME (IS-PR 268)	6.6	6.7	6.2	5.8	6.8	6.4
REVENGE GLX (JR-348)	6.9	5.8	6.0	6.5	6.8	6.4
SR 4600 (SRX 4SP)	6.6	6.8	6.0	6.3	6.4	6.4
FIESTA 4 (PICK F4)	6.7	6.5	5.7	5.8	7.1	6.4
NOTABLE (AF)	6.3	7.0	5.8	6.6	6.0	6.3
KEYSTONE 2 (IS-PR 312)	6.9	7.2	4.9	6.3	6.5	6.3
LINE DRIVE GLS (APR 1797)	6.1	6.6	5.6	6.9	6.5	6.3
LS 2300 (APR 1670)	6.6	6.3	6.0	6.6	6.1	6.3
DASHER 3 (PICK RB-1)	6.1	6.5	6.0	6.8	6.1	6.3
UNO (D04-11T)	6.7	5.6	6.2	6.5	6.4	6.3
PALACE (IS-PR 273)	6.8	5.7	6.6	6.0	6.4	6.3
KOKOMO II (IS-PR 235)	6.9	6.0	6.0	6.3	6.3	6.3
MMW	6.7	6.1	6.3	5.9	6.4	6.3
STELLAR GL (IS-PR 236)	5.9	6.1	5.9	6.8	6.7	6.3
PST-2AG4	7.1	5.2	6.1	6.7	6.1	6.3
SECRETARIAT II GLSR (LTP-101-GLSR)	6.8	6.6	5.3	6.0	6.5	6.2
EDGE II (AC2)	6.7	5.6	5.7	6.7	6.4	6.2
BACCARAT (RAD-PR8)	7.2	6.0	5.6	6.3	6.1	6.2
REPELL GLS	6.7	5.7	5.5	6.5	6.7	6.2
ZOOM (LCK)	7.0	6.4	5.3	6.3	6.1	6.2
PROTEGE GLR	6.7	6.3	6.1	5.7	6.3	6.2
TOP GUN II (JR-324)	7.0	5.1	5.8	6.1	7.0	6.2

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT FIVE LOCATIONS 1/  
 IN THE TRANSITION REGION  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MD1	MO1	VA1	MEAN
ACCENT II (JR-119)	6.8	5.5	5.5	6.6	6.6	6.2
HARRIER (SRX 4UP3)	5.7	6.8	6.0	6.1	6.3	6.2
CADDIESHACK II (JR-163)	6.9	5.0	6.1	6.2	6.5	6.2
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.3	6.1	5.5	6.2	6.7	6.2
MAJESTY II (VB77)	6.9	5.0	6.0	6.4	6.4	6.2
BAR LP 4317	6.8	5.8	6.0	6.5	5.6	6.1
E-99	6.6	5.1	6.3	6.2	6.5	6.1
CHIVALRY (APR 1648)	6.8	4.7	6.3	6.4	6.3	6.1
D04-LP05	6.2	5.1	6.3	6.3	6.5	6.1
PST-2BLK	6.0	6.2	5.7	6.4	6.1	6.1
MONTEREY 3 (JR-408)	6.6	4.3	6.0	6.3	7.1	6.1
PST-217	6.6	5.5	5.9	6.0	6.4	6.1
REGAL 5 (IS-PR 271)	6.9	5.8	6.0	6.0	5.6	6.1
HAWKEYE 2 (SRX 4692)	6.2	5.8	5.8	6.3	6.1	6.1
ASP6004 (EXS54)	6.0	5.3	5.9	6.4	6.6	6.0
PLEASURE SUPREME (PM 103)	6.5	5.2	6.0	6.3	6.3	6.0
FIREBOLT (PRG HS-01-09)	6.4	4.5	6.3	6.7	6.2	6.0
PENTIUM	6.0	5.8	5.4	6.6	6.0	6.0
ES45	6.5	4.8	6.3	6.2	6.1	6.0
DART (APR 1663)	6.0	5.7	5.8	6.7	5.8	6.0
SRX 4682	6.7	5.3	5.7	6.0	6.1	6.0
DEFENDER (D04-UP)	6.3	5.6	5.9	6.0	6.0	6.0
PHENOM (APR 1660)	5.7	6.0	5.8	6.3	6.0	6.0
FIJI (GPR)	6.8	5.0	5.7	6.5	5.8	6.0
GRAY STAR (PST-2LGL)	7.4	5.0	4.9	6.0	6.4	5.9
CUTTER II (PM 101)	6.1	5.2	6.0	6.1	6.2	5.9
GOALKEEPER II (JR-114)	6.6	4.4	5.8	6.1	6.7	5.9
1G SQUARED (APR 1664)	5.4	6.2	5.9	5.8	6.2	5.9
FUSION	6.1	4.9	6.0	6.2	6.2	5.9
CABO II (IS-PR 233)	6.5	5.3	5.5	6.0	6.0	5.9
NEXUS XR (SNR)	6.3	5.1	5.8	6.2	5.9	5.9
BRIGHTSTAR SLT	6.5	4.7	5.9	6.4	5.8	5.9
PINNACLE II	6.1	5.8	5.4	6.1	5.7	5.8
VB99	6.7	4.7	5.7	6.3	5.7	5.8
DP 17-9788	6.1	5.4	5.7	5.9	5.9	5.8
BAR LP 4420	6.4	5.0	5.7	6.3	5.6	5.8
ASP6001 (RTS)	6.5	4.5	5.7	6.2	6.0	5.8
TR47	6.2	4.5	6.0	6.0	6.2	5.8
CALYPSO 3 (MS2)	6.1	5.1	5.5	6.1	5.9	5.8
RINGER II (04-BEN)	6.6	4.3	4.9	6.6	6.4	5.8
PRESIDIO (CNV)	5.7	4.9	5.8	6.2	6.0	5.7
WIND DANCE 2 (PWDR)	5.8	4.8	6.0	6.5	5.4	5.7
BARLENNIUM	6.7	4.3	5.2	6.7	5.7	5.7
FOREVER (DP 17-9499)	6.4	4.6	5.9	6.0	5.6	5.7
INSPIRE	6.0	4.7	5.5	6.1	6.1	5.7
ASP6002 (BPR)	6.7	3.9	5.8	6.2	5.9	5.7

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT FIVE LOCATIONS 1/  
 IN THE TRANSITION REGION  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MD1	MO1	VA1	MEAN
ASP6003 (TRS)	5.8	4.3	6.0	6.0	6.1	5.6
SUNSHINE 2	5.2	4.1	6.0	6.4	6.5	5.6
DELAWARE XL (PICK 01-2)	6.0	4.7	5.7	5.7	6.0	5.6
PIANIST (DP 17-9505)	5.6	5.1	6.2	5.6	5.6	5.6
PACESETTER II (PS-2)	6.4	3.3	5.5	6.5	6.3	5.6
GALATTI (DP 17-9502)	6.1	4.5	5.5	6.0	5.8	5.6
NEXUS XD (SP4)	6.4	4.3	6.0	5.6	5.2	5.5
HALO (KN42)	6.3	4.0	5.6	5.9	6.0	5.5
BREA (04-BRE)	5.6	4.8	5.1	6.3	5.9	5.5
ASP6005 (AJM)	6.3	4.5	5.4	5.7	5.6	5.5
PREMIER II	6.1	4.3	5.0	6.5	5.5	5.5
LA QUINTA (JR-255)	5.4	4.4	5.3	5.4	6.8	5.5
PALMER III	5.3	5.0	5.4	6.0	5.3	5.4
WAYFARER (L44)	6.0	4.0	5.9	5.6	5.5	5.4
PM 102	6.1	3.6	5.8	5.9	5.4	5.4
QUICKSILVER	6.2	3.8	5.3	5.9	5.8	5.4
HEADSTART 2	5.6	4.3	5.0	5.8	6.1	5.3
ASP6006 (LPFG)	5.4	4.2	5.7	5.5	5.8	5.3
MACH I	5.4	4.8	5.3	5.9	5.1	5.3
PIZZAZZ	5.1	3.7	5.7	6.2	5.6	5.3
BAR LP 4920	5.8	3.2	5.0	5.9	5.9	5.1
PINNACLE	5.0	4.2	4.6	5.7	5.1	4.9
PANTHER	5.3	3.0	5.1	5.6	5.3	4.9
AFFINITY	5.3	4.8	4.5	5.1	4.5	4.8
PICK 02-R	4.8	3.3	4.3	5.8	5.0	4.7
LPR 02203	5.3	2.3	4.9	5.4	5.0	4.6
PREMIER	3.5	4.2	4.8	5.2	4.7	4.5
LINN	1.6	1.8	2.1	3.9	2.8	2.4
LSD VALUE	0.9	1.1	1.1	0.9	0.7	0.4
C.V. (%)	9.3	13.4	11.8	9.5	7.3	10.3

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

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

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT SIX LOCATIONS 1/  
 IN THE NORTH CENTRAL REGION  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IN1	MI1	MN1	NE1	WI1	MEAN
TRANSFORMER (D04-1667)	7.4	5.4	6.0	2.8	7.3	7.1	6.0
PIZZAZZ	7.1	5.4	6.5	3.2	7.2	6.2	6.0
REVENGE GLX (JR-348)	7.4	6.2	6.6	3.6	6.7	5.3	6.0
CHIVALRY (APR 1648)	7.6	5.6	6.3	3.4	7.1	5.7	5.9
SR 4600 (SRX 4SP)	7.3	5.4	6.3	2.7	7.2	6.7	5.9
ZOOM (LCK)	7.4	6.1	6.0	3.3	7.4	5.1	5.9
GOALKEEPER II (JR-114)	7.1	5.7	5.9	3.8	6.9	5.9	5.9
PARAGON GLR	7.3	5.4	6.6	2.6	7.4	6.0	5.9
KOKOMO II (IS-PR 235)	7.7	6.3	6.3	2.2	7.2	5.5	5.9
PALMER IV	7.3	5.6	6.6	2.4	7.5	5.6	5.9
EXACTA II GLSR (LTP-611-GLSR)	7.6	5.3	6.7	2.6	7.4	5.5	5.8
REGAL 5 (IS-PR 271)	7.5	5.9	6.4	2.2	7.3	5.7	5.8
KEYSTONE 2 (IS-PR 312)	7.4	6.3	6.6	2.3	7.1	5.2	5.8
SOPRANO (DP1)	7.5	5.9	6.8	1.9	7.2	5.6	5.8
PENTIUM	7.4	5.5	6.0	3.6	7.1	5.3	5.8
HOMERUN (RG3P)	7.5	6.3	6.0	3.3	7.1	4.5	5.8
ASP6004 (EXS54)	7.3	5.5	6.0	2.6	7.3	6.0	5.8
RINGER II (04-BEN)	7.2	5.9	6.0	2.7	7.2	5.7	5.8
NOTABLE (AF)	7.3	6.2	6.5	2.4	7.2	4.9	5.8
OVERDRIVE	7.3	5.7	6.2	2.4	6.9	6.0	5.8
PANTHER GLS	7.5	5.5	6.4	3.1	6.4	5.5	5.7
CALYPSO 3 (MS2)	7.3	6.0	6.3	2.2	6.7	5.9	5.7
SILVER DOLLAR	7.3	5.9	6.3	3.2	7.1	4.6	5.7
PALMER V (RNS)	7.2	5.5	6.7	2.9	7.2	4.9	5.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.0	5.5	6.0	3.2	7.1	5.5	5.7
ALLSTAR 3 (IS-PR 274)	7.4	6.1	6.2	2.4	7.3	4.8	5.7
MACH I	7.4	4.8	5.9	2.8	7.4	6.1	5.7
TOP GUN II (JR-324)	7.3	5.6	6.1	3.1	7.1	5.1	5.7
MMW	7.6	5.6	6.5	2.0	7.1	5.5	5.7
HARRIER (SRX 4UP3)	7.4	5.5	6.3	2.8	6.9	5.2	5.7
LA QUINTA (JR-255)	7.3	5.6	5.7	2.2	7.5	5.9	5.7
PROTOTYPE (DCM)	7.3	6.5	6.2	2.8	7.4	4.0	5.7
BRIGHTSTAR SLT	7.0	5.8	6.3	3.3	7.2	4.5	5.7
MAJESTY II (VB77)	7.1	5.3	5.9	3.2	7.6	5.0	5.7
GRAND SLAM 2 (PST-2GSM)	7.4	5.9	6.0	2.0	7.1	5.6	5.7
ATTRIBUTE (IS-PR 270)	7.2	6.0	6.5	2.3	7.3	4.7	5.7
BAR LP 4317	7.0	6.0	6.0	2.7	6.3	6.0	5.7
ACCENT II (JR-119)	7.0	5.3	6.2	3.0	7.0	5.4	5.7
CADDIESHACK II (JR-163)	6.4	5.9	5.9	3.7	7.0	5.2	5.7
DASHER 3 (PICK RB-1)	7.2	5.6	6.4	2.1	7.2	5.3	5.6
EDGE II (AC2)	7.0	5.7	6.5	2.0	7.5	5.1	5.6
CUTTER II (PM 101)	7.2	5.7	6.5	2.9	7.1	4.4	5.6
PALACE (IS-PR 273)	7.6	6.2	6.3	1.9	7.4	4.3	5.6
PROTEGE GLR	7.5	5.0	6.4	2.4	7.1	5.3	5.6
FIESTA 4 (PICK F4)	7.4	5.3	6.4	1.8	7.4	5.3	5.6

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT SIX LOCATIONS 1/  
 IN THE NORTH CENTRAL REGION  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IN1	MI1	MN1	NE1	WI1	MEAN
PACESETTER II (PS-2)	7.0	5.5	5.9	2.8	7.1	5.3	5.6
1G SQUARED (APR 1664)	7.3	5.2	6.3	2.6	7.2	5.0	5.6
PRIMARY (IS-PR 269)	7.0	5.9	6.0	2.2	6.8	5.5	5.6
TR47	7.2	5.0	6.0	3.2	7.9	4.1	5.6
STELLAR GL (IS-PR 236)	7.3	6.0	6.2	2.3	7.6	4.1	5.6
LINE DRIVE GLS (APR 1797)	7.0	5.7	6.3	2.3	7.1	5.1	5.6
ASP6002 (BPR)	7.1	4.9	6.2	2.4	7.3	5.5	5.6
APPLE GL (AAZ-B104)	7.3	5.1	6.2	2.9	7.1	4.8	5.6
BAR LP 4920	6.8	5.5	6.0	3.8	6.8	4.4	5.5
DART (APR 1663)	7.3	5.6	5.7	3.2	6.9	4.6	5.5
MANHATTAN 5 GLR (PST-2AM)	7.4	5.4	6.3	2.4	7.0	4.7	5.5
GRAY FOX (PST-2MNG)	6.9	5.7	5.8	3.7	7.1	4.2	5.5
DERBY XTREME (IS-PR 268)	7.4	5.7	6.2	2.2	7.3	4.3	5.5
CITATION FORE	7.2	5.3	6.7	2.9	6.2	4.9	5.5
DO4-LPOS	6.9	5.7	6.2	1.7	6.4	6.3	5.5
VB99	7.0	4.9	6.4	3.3	7.3	4.3	5.5
PINNACLE II	7.4	5.6	6.0	1.4	7.1	5.6	5.5
BARLENNIUM	7.1	5.3	5.7	3.6	7.1	4.4	5.5
ASP6006 (LPFG)	7.3	5.6	6.1	2.9	7.3	3.9	5.5
BAR LP 4420	7.6	5.5	6.1	2.1	6.9	5.0	5.5
REPELL GLS	7.3	5.5	6.0	3.2	6.7	4.3	5.5
DELAWARE XL (PICK 01-2)	7.2	5.0	6.3	2.7	7.2	4.8	5.5
SECRETARIAT II GLSR (LTP-101-GLSR)	6.8	5.9	5.6	3.7	6.8	4.4	5.5
PALMER GLS (GL-2)	7.0	5.6	6.5	2.4	7.4	4.1	5.5
AMAZING GS (IS-PR 276)	7.5	6.1	5.8	2.3	7.0	4.3	5.5
PICK 02-R	6.9	5.5	5.9	2.7	7.4	4.7	5.5
WIND DANCE 2 (PWDR)	7.4	5.5	6.0	2.6	7.7	3.7	5.5
BUENA VISTA	7.3	5.3	6.0	2.4	6.9	4.9	5.5
PLEASURE SUPREME (PM 103)	7.6	5.5	6.1	1.7	7.2	4.8	5.5
BREA (04-BRE)	7.0	5.0	6.1	2.0	6.9	5.7	5.5
FIREBOLT (PRG HS-01-09)	6.9	5.7	6.0	2.1	7.5	4.7	5.5
HAWKEYE 2 (SRX 4692)	7.0	6.0	6.0	3.4	7.1	3.3	5.5
DP 17-9788	6.8	4.4	5.8	3.4	6.9	5.5	5.5
FUSION	7.4	5.3	5.9	2.6	6.8	4.8	5.5
PST-217	7.3	5.5	6.1	2.3	6.9	4.6	5.5
ASP6003 (TRS)	7.2	4.8	5.7	2.9	7.4	4.7	5.5
PST-2BLK	7.0	5.9	6.0	2.7	7.1	4.1	5.4
CABO II (IS-PR 233)	7.2	5.5	5.9	2.9	6.9	4.2	5.4
ES45	7.5	4.5	6.3	3.4	7.0	3.9	5.4
PALMER III	6.8	4.9	6.0	3.2	6.8	4.9	5.4
BACCARAT (RAD-PR8)	7.4	5.3	6.3	3.0	6.2	4.3	5.4
PST-2AG4	7.2	5.2	6.3	2.8	6.9	4.1	5.4
FIJI (GPR)	7.3	4.7	6.0	2.3	7.3	4.8	5.4
PLATEAU (PST-2LAN)	6.7	6.0	6.4	2.8	6.9	3.6	5.4
GRAY STAR (PST-2LGL)	7.0	5.3	6.2	2.2	6.7	5.0	5.4
NEXUS XR (SNR)	7.3	5.0	6.1	2.0	7.4	4.5	5.4

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT SIX LOCATIONS 1/  
 IN THE NORTH CENTRAL REGION  
 2009 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IN1	MI1	MN1	NE1	WI1	MEAN
HEADSTART 2	7.3	5.2	5.8	2.8	7.2	4.1	5.4
DEFENDER (D04-UP)	7.4	4.8	6.5	2.3	7.1	4.1	5.4
UNO (D04-11T)	7.0	5.8	6.4	2.0	7.1	3.9	5.4
NEXUS XD (SP4)	7.2	5.0	5.9	2.2	7.2	4.7	5.4
INSPIRE	7.3	5.4	5.9	2.9	7.0	3.7	5.4
SRX 4682	6.7	5.3	5.7	3.0	6.3	5.1	5.3
PM 102	6.9	4.5	6.1	2.3	7.2	5.0	5.3
ASP6001 (RTS)	7.3	4.9	5.7	1.8	7.1	5.3	5.3
LS 2300 (APR 1670)	7.0	5.3	6.0	2.2	6.8	4.7	5.3
PRESIDIO (CNV)	7.5	4.9	5.8	3.2	6.7	3.7	5.3
FOREVER (DP 17-9499)	7.2	4.5	6.0	1.4	7.4	5.3	5.3
SUNSHINE 2	7.0	5.2	5.8	2.1	6.7	4.9	5.3
MONTEREY 3 (JR-408)	6.9	5.6	6.0	2.3	6.9	3.9	5.3
QUICKSILVER	7.3	4.7	6.1	2.0	7.0	4.3	5.2
ASP6005 (AJM)	7.3	4.6	5.9	1.9	7.4	4.2	5.2
GALATTI (DP 17-9502)	6.8	4.5	5.7	2.1	7.3	4.7	5.2
PREMIER II	6.9	5.5	5.6	2.4	6.7	3.9	5.2
E-99	7.0	5.1	6.4	2.4	6.0	4.0	5.2
HALO (KN42)	6.9	4.4	6.1	3.1	6.9	3.3	5.1
PREMIER	6.2	4.3	4.9	4.6	6.2	4.6	5.1
WAYFARER (L44)	7.0	4.4	5.9	2.4	7.0	3.8	5.1
PHENOM (APR 1660)	7.0	5.5	5.7	2.0	7.1	3.3	5.1
PANTHER	6.2	5.3	5.8	2.9	6.5	3.3	5.0
PIANIST (DP 17-9505)	6.8	5.0	5.3	2.1	6.4	4.1	5.0
AFFINITY	6.2	5.1	5.4	3.0	6.1	3.8	4.9
PINNACLE	6.0	3.4	5.4	3.4	6.7	4.1	4.9
LPR 02203	5.7	4.7	5.5	2.8	6.6	3.9	4.9
LINN	4.0	2.4	3.8	1.1	4.8	3.2	3.2
LSD VALUE	0.6	1.2	0.7	1.3	0.9	2.1	0.5
C.V. (%)	4.9	14.1	7.3	29.5	7.9	27.6	14.0

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

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

TABLE 7. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT (UPPER WEST/MOUNTAIN REGION) 1/ 2009 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
CHIVALRY (APR 1648)	7.0	7.7	6.3	7.0	7.0	6.7	6.0	6.8
ASP6003 (TRS)	6.0	7.7	7.0	7.0	6.7	6.3	7.0	6.8
ASP6006 (LPFG)	6.3	8.0	7.0	6.7	6.7	6.3	5.7	6.7
PICK 02-R	5.0	7.7	8.0	6.3	6.7	6.3	6.3	6.6
MACH I	6.3	7.7	6.3	6.7	6.7	6.0	6.3	6.6
DERBY XTREME (IS-PR 268)	6.7	7.0	6.0	6.7	6.7	6.0	5.7	6.4
KEYSTONE 2 (IS-PR 312)	5.3	6.0	5.7	6.7	8.3	7.0	5.7	6.4
MMW	5.7	6.3	6.7	6.7	6.7	7.0	5.7	6.4
NEXUS XR (SNR)	4.7	7.7	6.0	6.3	7.0	6.3	6.7	6.4
VB99	5.7	7.7	7.0	6.3	7.0	5.7	5.3	6.4
CALYPSO 3 (MS2)	4.3	7.0	5.7	6.7	6.3	7.7	6.7	6.3
EDGE II (AC2)	5.0	8.0	6.0	6.3	6.0	6.7	6.3	6.3
FIESTA 4 (PICK F4)	5.3	6.0	7.0	6.7	6.3	6.3	6.7	6.3
ES45	5.3	7.7	6.7	6.0	5.7	6.3	6.3	6.3
ZOOM (LCK)	5.7	7.0	6.0	6.3	6.7	6.7	5.7	6.3
ASP6002 (BPR)	6.7	7.7	6.7	6.0	5.7	5.7	5.3	6.2
CUTTER II (PM 101)	5.7	6.7	6.7	7.0	6.7	5.3	5.7	6.2
BUENA VISTA	6.0	6.7	6.0	6.3	6.3	6.0	6.0	6.2
AMAZING GS (IS-PR 276)	5.0	6.0	7.0	5.7	6.3	7.0	6.3	6.2
ASP6005 (AJM)	5.3	6.7	6.7	6.7	6.3	5.7	6.0	6.2
MAJESTY II (VB77)	5.3	7.3	6.0	6.0	6.3	6.3	6.0	6.2
REGAL 5 (IS-PR 271)	6.7	6.3	6.3	6.7	6.3	5.7	5.3	6.2
WAYFARER (L44)	5.7	7.3	6.7	6.7	6.0	5.3	5.7	6.2
ASP6004 (EXS54)	5.0	7.0	6.0	6.0	6.3	6.3	6.3	6.1
PALMER V (RNS)	6.0	6.7	5.7	6.0	6.3	7.0	5.3	6.1
FIREBOLT (PRG HS-01-09)	4.7	8.0	6.0	5.0	7.0	6.3	5.7	6.1
HOMERUN (RG3P)	4.0	7.3	6.3	6.3	6.7	6.3	5.7	6.1
KOKOMO II (IS-PR 235)	5.0	6.3	6.3	6.0	6.7	6.3	6.0	6.1
NEXUS XD (SP4)	4.7	7.3	6.3	5.7	6.3	6.3	6.0	6.1
PALACE (IS-PR 273)	5.3	6.0	6.0	6.0	6.7	6.0	6.7	6.1
TR47	4.3	7.0	6.3	6.3	5.7	6.3	6.7	6.1
1G SQUARED (APR 1664)	6.3	6.3	5.0	5.3	6.7	7.0	5.7	6.0
PM 102	5.0	5.7	7.0	6.3	6.0	6.0	6.3	6.0
STELLAR GL (IS-PR 236)	5.7	6.7	6.3	5.7	5.3	6.3	6.3	6.0
FIJI (GPR)	5.0	6.3	6.3	6.7	6.3	5.7	5.7	6.0
MONTEREY 3 (JR-408)	4.7	7.7	5.3	6.3	6.0	6.7	5.3	6.0
PRIMARY (IS-PR 269)	6.0	6.0	6.0	6.3	6.3	5.7	5.7	6.0
ASP6001 (RTS)	5.7	7.7	5.7	5.3	5.0	6.3	6.0	6.0
DASHER 3 (PICK RB-1)	4.3	7.0	6.3	5.3	6.7	6.0	6.0	6.0
PARAGON GLR	6.3	6.0	5.3	6.0	6.7	5.7	5.7	6.0
UNO (D04-11T)	4.7	6.3	6.0	6.0	6.3	7.0	5.3	6.0
LINE DRIVE GLS (APR 1797)	5.0	6.3	6.0	6.0	6.0	6.3	5.7	5.9
PALMER IV	5.3	6.0	5.7	7.0	6.0	5.7	5.7	5.9
SOPRANO (DP1)	5.3	6.0	5.7	6.3	6.0	6.3	5.7	5.9
BACCARAT (RAD-PR8)	5.3	7.0	5.7	6.0	5.7	6.0	5.3	5.9

TABLE 7. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH MONTH GROWN AT LOGAN, UT (UPPER WEST/MOUNTAIN REGION) 1/ 2009 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
EXACTA II GLSR (LTP-611-GLSR)	4.7	6.0	6.3	6.0	6.7	5.7	5.7	5.9
PROTOTYPE (DCM)	5.7	7.3	5.7	5.7	5.0	6.3	5.3	5.9
REVENGE GLX (JR-348)	5.3	5.7	6.0	6.3	6.0	6.0	5.7	5.9
SR 4600 (SRX 4SP)	6.3	5.7	6.0	6.0	5.7	5.3	6.0	5.9
APPLE GL (AAZ-B104)	5.7	6.0	5.7	6.0	6.0	6.0	5.7	5.9
HALO (KN42)	4.7	7.0	6.3	5.7	5.3	5.7	6.3	5.9
HARRIER (SRX 4UP3)	6.0	6.0	5.7	6.3	5.7	6.0	5.3	5.9
PST-217	5.3	7.7	5.3	5.7	5.3	5.7	6.0	5.9
SECRETARIAT II GLSR (LTP-101-GLSR)	7.0	6.0	6.0	5.7	5.3	5.7	5.3	5.9
SILVER DOLLAR	6.0	5.7	6.0	6.0	5.7	6.0	5.7	5.9
TOP GUN II (JR-324)	4.3	7.0	5.7	6.0	6.0	6.3	5.7	5.9
GALATTI (DP 17-9502)	5.3	7.0	6.0	6.0	5.7	5.7	5.0	5.8
PRESIDIO (CNV)	4.7	8.0	5.7	5.7	5.7	5.7	5.3	5.8
SUNSHINE 2	4.7	7.0	6.0	5.3	6.0	6.0	5.7	5.8
LA QUINTA (JR-255)	5.0	7.0	6.0	5.7	5.3	6.0	5.7	5.8
MANHATTAN 5 GLR (PST-2AM)	7.3	6.0	5.0	5.7	5.3	5.7	5.3	5.8
ATTRIBUTE (IS-PR 270)	5.7	6.3	6.0	6.3	5.0	5.7	5.3	5.8
DELAWARE XL (PICK 01-2)	4.3	7.0	6.7	6.0	5.3	5.3	5.7	5.8
PIZZAZZ	6.0	6.3	5.3	5.7	6.7	5.0	5.3	5.8
PLEASURE SUPREME (PM 103)	5.0	7.0	6.0	6.0	5.7	5.7	5.0	5.8
QUICKSILVER	5.3	6.7	6.0	5.7	5.3	5.7	5.7	5.8
WIND DANCE 2 (PWDR)	5.3	6.7	6.0	5.7	5.7	5.3	5.7	5.8
ACCENT II (JR-119)	6.7	6.3	5.3	5.7	5.3	6.0	4.7	5.7
BRIGHTSTAR SLT	6.0	6.3	5.7	5.7	5.7	5.3	5.3	5.7
CADDIESHACK II (JR-163)	5.3	6.0	5.7	6.3	6.0	5.7	5.0	5.7
OVERDRIVE	6.0	5.7	5.7	5.3	6.0	5.7	5.7	5.7
INSPIRE	6.3	6.0	5.3	5.7	6.0	5.7	4.7	5.7
PINNACLE II	5.7	7.3	5.0	5.3	5.3	5.7	5.3	5.7
DEFENDER (D04-UP)	5.7	6.0	5.3	5.7	5.7	5.7	5.3	5.6
HAWKEYE 2 (SRX 4692)	5.3	6.0	5.7	6.0	5.7	5.7	5.0	5.6
TRANSFORMER (D04-1667)	6.3	6.7	5.0	5.7	5.0	5.7	5.0	5.6
PROTEGE GLR	5.0	6.7	5.7	3.7	5.7	6.0	6.7	5.6
GOALKEEPER II (JR-114)	4.3	6.7	5.3	5.0	5.3	7.0	5.3	5.6
GRAND SLAM 2 (PST-2GSM)	5.7	5.7	5.7	5.0	6.0	6.0	5.0	5.6
HEADSTART 2	5.0	6.7	6.0	5.3	5.3	5.7	5.0	5.6
LS 2300 (APR 1670)	6.7	5.3	6.3	5.3	5.0	6.3	4.0	5.6
PHENOM (APR 1660)	4.7	5.3	5.7	6.0	5.7	6.0	5.7	5.6
PST-2AG4	5.3	6.0	5.3	4.7	5.7	5.7	6.0	5.5
GRAY STAR (PST-2LGL)	5.0	7.3	5.3	5.0	5.7	5.3	5.0	5.5
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0	5.3	5.0	5.7	5.7	6.7	5.0	5.5
PALMER GLS (GL-2)	4.3	6.7	5.0	6.0	5.0	5.7	5.7	5.5
ALLSTAR 3 (IS-PR 274)	3.7	6.3	5.0	5.0	6.0	6.7	5.7	5.5
GRAY FOX (PST-2MNG)	5.7	5.3	5.3	6.0	5.3	5.3	5.3	5.5
PREMIER II	6.7	5.3	4.7	6.0	5.3	6.0	4.3	5.5
REPELL GLS	6.3	5.0	5.7	5.7	5.7	5.0	4.7	5.4
RINGER II (04-BEN)	5.3	6.3	5.3	5.3	5.7	5.0	5.0	5.4

TABLE 7. TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
(CONT'D) MONTH GROWN AT LOGAN, UT (UPPER WEST/MOUNTAIN REGION) 1/  
2009 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
BREA (04-BRE)	5.0	6.7	5.3	5.3	5.3	5.3	4.7	5.4
D04-LP05	5.3	6.0	5.7	5.3	5.3	5.0	5.0	5.4
FUSION	5.0	5.7	5.0	5.3	6.0	5.7	5.0	5.4
BAR LP 4420	5.0	6.3	5.3	5.3	5.0	5.3	5.0	5.3
BAR LP 4920	6.0	5.0	5.0	5.7	5.3	5.3	5.0	5.3
CABO II (IS-PR 233)	4.3	5.7	5.7	5.7	5.3	5.0	5.7	5.3
PANTHER GLS	5.3	6.7	5.0	5.0	5.3	5.3	4.7	5.3
CITATION FORE	6.0	5.3	5.0	5.3	4.7	5.3	5.3	5.3
DART (APR 1663)	5.7	5.3	5.3	5.3	5.3	5.3	4.7	5.3
PACESETTER II (PS-2)	4.7	6.0	5.7	4.7	5.7	5.7	4.7	5.3
PIANIST (DP 17-9505)	4.3	6.7	5.0	5.7	5.3	5.0	5.0	5.3
E-99	5.3	5.0	5.0	5.3	6.0	5.0	4.7	5.2
NOTABLE (AF)	4.7	6.7	5.3	4.7	4.7	5.3	5.0	5.2
PLATEAU (PST-2LAN)	5.3	5.7	5.3	5.3	5.3	5.3	4.0	5.2
DP 17-9788	5.3	5.3	5.3	5.3	5.0	5.3	4.3	5.1
PENTIUM	5.7	6.0	5.0	5.0	4.7	5.0	4.0	5.0
BARLENNIUM	6.0	5.0	5.3	5.0	5.0	4.7	4.0	5.0
FOREVER (DP 17-9499)	5.0	6.0	4.7	5.0	4.7	4.7	5.0	5.0
PST-2BLK	5.3	5.3	4.7	4.7	4.7	5.0	4.3	4.9
PALMER III	4.7	5.7	4.7	4.3	4.7	5.0	4.7	4.8
SRX 4682	5.3	5.0	4.7	4.7	5.0	4.7	4.3	4.8
PANTHER	5.7	5.3	4.7	4.7	4.3	5.0	3.7	4.8
BAR LP 4317	5.0	5.7	4.7	4.3	4.3	4.3	4.0	4.6
LPR 02203	4.7	5.3	4.7	5.0	4.0	4.3	4.3	4.6
PINNACLE	6.7	4.0	4.0	4.3	3.7	3.7	3.0	4.2
AFFINITY	5.7	3.3	4.0	4.3	4.0	3.7	3.7	4.1
PREMIER	5.0	3.7	3.3	3.7	4.0	3.0	3.0	3.7
LINN	4.7	2.3	2.3	1.7	2.3	1.3	1.3	2.3
LSD VALUE	2.1	1.4	1.5	1.3	1.3	1.3	1.3	0.8
C.V. (%)	23.9	13.9	16.5	14.3	14.3	14.4	14.7	8.7

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

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

TABLE 8.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/  
2009 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
UNO (D04-11T)	7.0	6.3	7.0	5.7	6.3	6.7	7.0	6.0	7.0	6.3	6.0	6.0	6.4
EXACTA II GLSR (LTP-611-GLSR)	7.0	5.7	6.3	5.7	6.3	6.7	7.3	7.0	7.0	6.3	5.7	5.7	6.4
FIESTA 4 (PICK F4)	6.3	6.3	6.3	5.3	6.0	7.3	7.3	7.0	6.7	6.0	6.0	6.0	6.4
HOMERUN (RG3P)	6.7	6.3	6.3	5.7	6.3	7.0	7.0	6.7	6.7	6.0	6.0	6.0	6.4
CUTTER II (PM 101)	6.3	5.7	6.3	5.7	6.3	6.7	8.0	7.0	6.7	6.0	5.3	5.7	6.3
KOKOMO II (IS-PR 235)	7.0	6.7	6.0	5.3	6.0	6.3	7.0	6.7	6.7	6.3	5.7	5.7	6.3
APPLE GL (AAZ-B104)	6.3	6.0	6.7	6.0	6.0	7.0	7.3	6.0	6.7	5.7	5.7	5.7	6.3
DERBY XTREME (IS-PR 268)	6.7	5.7	6.3	5.7	6.0	6.7	7.0	6.7	7.0	6.0	5.7	5.7	6.3
REGAL 5 (IS-PR 271)	6.7	5.7	6.7	6.3	6.3	6.3	7.3	6.3	6.0	6.0	5.7	5.7	6.3
CABO II (IS-PR 233)	7.0	6.3	6.0	5.3	6.0	6.7	6.3	6.3	6.7	6.0	5.7	5.7	6.2
OVERDRIVE	6.0	5.3	5.7	5.7	6.3	6.7	8.0	7.0	7.0	6.0	5.0	5.3	6.2
PALACE (IS-PR 273)	6.0	6.0	6.3	6.3	6.3	6.3	7.0	6.7	6.7	5.7	5.3	5.3	6.2
VB99	6.3	5.7	5.7	5.3	6.3	7.0	7.7	6.3	6.7	6.0	5.3	5.7	6.2
PALMER IV	6.7	6.0	6.7	5.7	5.7	6.3	6.7	6.3	7.0	6.0	5.3	5.3	6.1
PALMER V (RNS)	6.7	6.0	6.3	5.3	5.7	6.3	7.3	6.0	6.3	6.0	5.3	6.0	6.1
ALLSTAR 3 (IS-PR 274)	6.3	5.7	6.0	5.7	6.0	7.0	7.0	6.7	6.7	5.3	5.3	5.3	6.1
PARAGON GLR	6.7	5.7	6.0	5.0	6.0	6.3	7.0	6.3	6.3	6.0	5.7	6.0	6.1
STELLAR GL (IS-PR 236)	7.0	5.7	6.3	5.7	6.0	6.0	6.7	6.0	6.3	5.7	5.7	6.0	6.1
ATTRIBUTE (IS-PR 270)	6.3	5.7	6.0	6.0	6.0	6.3	7.3	6.3	6.7	5.7	5.0	5.3	6.1
DASHER 3 (PICK RB-1)	6.3	5.7	6.0	5.7	6.7	6.3	6.7	6.7	6.3	5.7	5.3	5.3	6.1
SOPRANO (DP1)	6.7	5.3	6.0	5.7	6.3	6.0	7.3	6.0	6.7	6.0	5.3	5.3	6.1
ZOOM (LCK)	6.3	5.7	5.7	5.3	6.0	6.3	7.3	6.3	6.7	6.3	5.3	5.3	6.1
NEXUS XD (SP4)	6.3	5.7	5.7	6.0	6.0	6.7	7.3	6.7	6.7	5.3	5.3	5.0	6.1
ASP6003 (TRS)	6.7	5.3	5.7	5.3	6.0	6.3	7.0	7.0	6.3	5.7	5.3	5.3	6.0
FIJI (GPR)	6.3	5.0	5.7	5.3	5.7	6.7	7.3	6.3	7.0	5.7	5.7	5.3	6.0
PROTEGE GLR	6.3	6.0	5.7	5.3	5.7	6.0	7.3	6.3	6.3	5.7	5.7	5.7	6.0
SR 4600 (SRX 4SP)	6.7	6.0	5.7	5.0	6.3	6.0	7.0	6.3	6.7	5.7	5.3	5.3	6.0
TR47	7.0	5.3	5.7	5.0	5.7	6.3	7.0	6.0	6.3	5.7	6.0	5.7	6.0
AMAZING GS (IS-PR 276)	6.7	5.3	6.0	6.0	5.7	6.3	6.7	6.0	6.3	5.3	5.3	5.7	5.9
SUNSHINE 2	5.7	4.7	6.3	5.0	6.3	6.0	7.3	6.3	6.7	6.3	5.3	5.3	5.9
TRANSFORMER (D04-1667)	7.0	6.0	6.0	5.0	6.3	6.3	6.3	6.3	6.0	5.7	5.0	5.3	5.9
HALO (KN42)	6.0	5.0	5.7	5.0	6.0	6.7	6.7	6.7	6.3	6.0	5.3	5.7	5.9
WAYFARER (L44)	6.3	5.3	6.0	6.0	6.0	6.3	7.0	6.3	6.3	5.3	4.7	5.3	5.9
D04-LP05	6.3	5.3	6.0	6.0	6.3	6.0	6.0	5.7	6.0	5.7	5.7	5.7	5.9
BUENA VISTA	6.3	5.0	5.7	5.0	5.7	6.3	6.7	6.3	6.3	5.7	5.7	5.7	5.9
PRESIDIO (CNV)	5.7	4.7	5.7	5.3	6.0	6.3	7.3	6.7	6.7	5.7	5.0	5.3	5.9
ES45	6.3	5.3	5.0	5.7	5.7	6.3	7.0	6.0	6.3	6.0	5.3	5.0	5.8
MAJESTY II (VB77)	6.0	5.3	5.7	5.7	6.0	6.7	6.7	6.7	6.0	5.3	5.0	5.0	5.8
FUSION	6.0	4.7	5.7	5.3	5.7	6.3	7.3	6.0	6.0	5.7	5.3	5.7	5.8
PLEASURE SUPREME (PM 103)	6.0	4.7	6.0	6.0	6.0	6.3	6.7	6.3	6.3	5.3	5.0	5.0	5.8
PLATEAU (PST-2LAN)	5.7	4.7	5.7	5.0	6.3	7.0	7.3	6.7	5.7	5.3	5.0	5.3	5.8
LA QUINTA (JR-255)	5.7	4.7	6.0	5.3	6.0	6.3	7.0	6.7	6.3	5.0	5.0	5.3	5.8
CHIVALRY (APR 1648)	6.0	5.3	5.7	5.3	6.0	6.0	6.7	6.3	6.0	5.7	5.0	5.3	5.8
MACH I	6.0	5.7	6.0	5.0	6.0	6.0	6.3	6.0	6.3	5.7	5.3	5.0	5.8
PICK 02-R	5.7	4.3	5.3	5.7	5.7	6.3	7.3	6.3	6.0	6.0	5.3	5.3	5.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	5.0	5.3	4.7	5.7	6.3	7.3	6.0	6.3	5.7	5.3	5.3	5.8

TABLE 8.  
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/  
2009 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
PANTHER GLS	6.0	5.0	5.3	5.3	6.0	6.0	6.7	6.3	6.3	5.3	5.3	5.3	5.8
SECRETARIAT II GLSR (LTP-101-GLSR)	6.0	5.0	5.7	5.0	6.0	6.3	7.3	5.7	6.0	5.7	5.3	5.0	5.8
CALYPSO 3 (MS2)	6.3	5.0	5.7	5.7	5.7	6.3	6.7	6.0	6.0	5.7	4.7	5.0	5.7
PRIMARY (IS-PR 269)	5.7	4.7	5.3	5.7	5.7	7.0	6.7	6.0	6.0	5.7	5.0	5.3	5.7
PST-2AG4	6.0	5.3	6.0	5.3	5.7	6.0	6.7	6.3	6.0	5.7	4.7	5.0	5.7
KEYSTONE 2 (IS-PR 312)	6.0	5.0	5.7	5.0	6.3	6.0	6.3	6.0	6.3	5.3	5.3	5.3	5.7
SILVER DOLLAR	6.0	5.3	6.0	5.7	6.0	6.0	6.3	6.0	6.0	5.3	5.0	5.0	5.7
GRAND SLAM 2 (PST-2GSM)	6.0	5.0	5.3	5.0	5.7	6.3	6.7	6.3	6.0	5.7	5.0	5.3	5.7
LINE DRIVE GLS (APR 1797)	5.7	5.0	5.7	5.7	6.3	6.3	6.7	5.7	6.0	5.0	5.0	5.3	5.7
PROTOTYPE (DCM)	6.3	5.0	5.7	5.0	5.7	6.0	6.0	6.0	6.3	5.7	5.3	5.3	5.7
PST-2BLK	6.0	5.0	5.7	5.3	5.7	6.3	6.7	6.3	6.0	5.3	5.0	5.0	5.7
ASP6004 (EXS54)	6.0	5.0	5.7	5.7	6.0	6.0	6.3	6.0	6.0	5.3	5.0	5.0	5.7
DEFENDER (D04-UP)	6.7	5.3	6.0	5.3	5.3	5.0	6.0	5.3	6.0	5.7	5.7	5.7	5.7
GRAY STAR (PST-2LGL)	6.0	5.0	5.7	5.7	6.3	6.0	6.0	6.0	6.0	5.3	5.0	5.0	5.7
PACESETTER II (PS-2)	5.7	5.0	6.0	5.3	6.3	6.3	6.3	5.7	6.3	4.7	5.0	5.3	5.7
PM 102	6.0	4.7	5.7	5.3	6.0	6.3	6.0	6.0	6.0	5.3	5.0	5.3	5.6
1G SQUARED (APR 1664)	6.3	5.0	5.3	4.7	5.7	6.0	6.3	6.3	6.3	5.3	5.3	5.0	5.6
DART (APR 1663)	5.3	5.0	5.3	5.0	5.7	6.3	7.0	6.3	6.0	5.3	5.0	5.3	5.6
DELAWARE XL (PICK 01-2)	6.3	5.3	5.3	5.7	6.3	5.7	6.0	6.0	6.0	5.0	5.0	5.0	5.6
NEXUS XR (SNR)	6.0	5.0	5.7	5.0	6.0	6.3	6.3	6.0	6.0	5.3	5.0	5.0	5.6
CITATION FORE	5.7	4.7	5.7	5.3	6.0	6.0	6.7	6.3	6.0	5.0	5.0	5.0	5.6
BAR LP 4420	5.7	5.0	5.7	5.3	6.3	6.0	6.7	5.7	6.3	5.3	4.7	4.7	5.6
E-99	6.3	5.0	5.7	5.0	6.3	6.0	6.0	5.7	6.0	5.3	4.7	5.0	5.6
FIREBOLT (PRG HS-01-09)	5.7	4.7	5.7	5.0	6.0	6.0	6.7	6.3	6.0	5.7	4.7	4.7	5.6
GRAY FOX (PST-2MNG)	5.7	4.7	5.0	5.0	5.7	6.3	7.0	6.0	6.0	5.7	4.7	5.3	5.6
HARRIER (SRX 4UP3)	5.7	5.0	5.7	5.7	6.0	6.0	6.3	5.7	6.0	5.0	5.0	5.0	5.6
MANHATTAN 5 GLR (PST-2AM)	5.7	4.7	5.3	4.7	6.0	6.7	6.7	6.0	6.0	5.3	4.7	5.3	5.6
MMW	6.3	5.0	6.0	5.0	6.0	6.0	6.7	5.7	6.0	5.3	4.7	4.3	5.6
NOTABLE (AF)	5.7	4.7	5.7	5.3	5.7	6.0	6.3	6.0	6.3	5.7	4.7	5.0	5.6
PHENOM (APR 1660)	6.0	5.0	5.7	5.0	6.0	6.0	7.0	6.0	6.0	5.0	4.7	4.7	5.6
RINGER II (04-BEN)	6.0	5.0	5.0	4.7	5.3	6.0	6.7	6.0	6.0	6.0	5.0	5.3	5.6
WIND DANCE 2 (PWDR)	5.7	4.7	5.3	5.0	5.7	6.3	6.7	6.0	6.0	5.3	5.0	5.0	5.6
ASP6006 (LPFG)	6.0	4.7	5.0	5.3	6.0	6.0	7.0	6.0	6.3	5.0	4.7	4.7	5.6
BACCARAT (RAD-PR8)	5.3	4.0	5.3	5.0	6.3	6.3	6.7	6.3	6.3	5.3	4.7	5.0	5.6
REPELL GLS	6.3	5.3	5.3	5.0	6.0	6.0	6.0	5.3	5.7	5.3	5.0	5.3	5.6
REVENGE GLX (JR-348)	6.0	5.3	5.3	5.0	6.0	6.0	6.3	5.7	5.7	5.3	5.0	5.0	5.6
ASP6005 (AJM)	5.7	4.7	5.7	5.7	5.7	6.0	6.3	6.0	6.0	5.0	5.0	4.7	5.5
GALATTI (DP 17-9502)	5.7	4.3	5.3	5.3	6.0	6.0	6.7	6.3	5.7	5.0	5.0	5.0	5.5
PALMER GLS (GL-2)	6.3	5.7	5.7	5.0	5.7	5.7	6.0	5.7	5.7	5.0	4.7	5.0	5.5
PINNACLE II	5.7	5.0	5.7	5.3	5.7	6.0	6.3	5.3	6.0	5.3	5.0	4.7	5.5
EDGE II (AC2)	5.3	4.7	5.0	4.7	6.0	6.0	6.7	6.0	6.0	5.7	4.7	5.0	5.5
PST-217	5.7	5.0	5.3	5.0	5.7	6.0	6.7	6.7	5.7	4.7	4.7	4.7	5.5
CADDIESHACK II (JR-163)	5.3	4.7	5.3	5.0	5.7	6.3	6.3	6.0	6.0	5.0	5.0	4.7	5.4
GOALKEEPER II (JR-114)	5.3	4.3	5.7	5.0	5.7	6.0	6.3	6.0	6.0	5.3	5.0	4.7	5.4
ACCENT II (JR-119)	5.0	4.0	5.0	5.3	6.7	6.3	6.7	6.3	6.0	5.0	4.3	4.7	5.4

TABLE 8.  
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/  
2009 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
ASP6001 (RTS)	5.3	4.7	5.3	5.0	5.7	6.0	6.3	6.0	6.0	5.3	4.7	4.7	5.4
HEADSTART 2	5.3	4.3	5.0	5.3	6.0	5.7	6.3	6.0	6.0	5.0	5.0	5.0	5.4
MONTEREY 3 (JR-408)	5.0	4.3	5.3	5.0	6.0	6.0	6.3	6.3	6.3	5.0	4.7	4.7	5.4
QUICKSILVER	5.7	4.7	5.3	5.3	5.7	6.3	6.7	5.7	5.7	4.7	4.7	4.7	5.4
FOREVER (DP 17-9499)	5.7	5.0	5.3	4.7	6.0	6.0	6.0	5.7	5.7	5.0	4.7	5.0	5.4
HAWKEYE 2 (SRX 4692)	5.7	5.3	5.0	4.7	5.7	6.0	6.3	5.7	5.3	5.3	4.7	5.0	5.4
ASP6002 (BPR)	5.3	4.7	5.0	5.3	5.7	6.0	6.7	6.3	5.7	5.0	4.3	4.7	5.4
PIANIST (DP 17-9505)	5.7	4.7	5.3	5.0	6.0	5.7	6.3	6.0	6.0	4.7	4.7	4.7	5.4
INSPIRE	6.0	4.7	5.3	5.0	5.7	5.3	5.7	6.0	5.7	5.0	4.7	5.0	5.3
LS 2300 (APR 1670)	5.0	4.7	5.0	4.7	5.7	6.0	6.3	6.0	6.0	4.7	4.7	5.3	5.3
PENTIUM	5.3	4.3	5.3	5.0	6.0	6.0	6.7	6.0	5.7	5.0	4.0	4.7	5.3
BREA (04-BRE)	5.3	4.3	5.0	4.7	5.7	6.0	6.3	5.7	5.7	5.0	5.0	5.0	5.3
PREMIER II	6.0	4.7	5.0	4.7	6.0	5.7	5.7	5.3	6.0	5.0	5.0	4.7	5.3
PALMER III	5.7	4.3	5.0	5.0	5.7	6.0	6.0	5.3	6.0	5.0	4.3	5.0	5.3
PIZZAZZ	5.3	4.7	5.0	5.0	6.0	6.0	6.3	5.7	5.3	4.3	5.0	4.7	5.3
DP 17-9788	5.3	4.3	5.0	4.7	5.7	5.7	6.0	5.7	5.7	5.3	4.7	5.0	5.3
TOP GUN II (JR-324)	5.3	4.3	5.0	5.0	6.0	6.0	6.7	6.0	5.7	4.3	4.3	4.3	5.3
BAR LP 4920	5.7	4.3	4.7	4.7	6.0	5.7	6.0	5.0	5.7	5.3	5.0	4.7	5.2
BARLENNIUM	6.0	4.7	5.7	4.7	5.7	6.0	6.0	5.0	4.7	4.7	4.7	5.0	5.2
BRIGHTSTAR SLT	5.7	4.3	5.0	5.0	6.0	6.0	5.7	5.3	5.3	5.0	4.3	4.7	5.2
PINNACLE	6.0	4.7	4.3	4.3	5.7	5.7	5.7	5.3	5.3	5.0	4.3	5.0	5.1
BAR LP 4317	5.3	4.3	4.7	4.7	5.7	6.0	5.7	5.7	5.3	4.7	4.7	4.7	5.1
PANTHER	5.3	4.3	5.0	4.7	6.0	5.7	5.7	5.7	4.7	4.7	4.3	4.3	5.0
PREMIER	5.3	4.7	4.3	4.7	6.0	5.7	5.7	5.3	5.3	4.7	4.0	4.3	5.0
SRX 4682	5.0	4.0	5.0	4.3	5.7	5.7	5.7	5.7	5.0	5.0	4.3	4.7	5.0
LPR 02203	5.3	4.0	4.7	4.3	6.0	5.3	5.7	5.7	5.0	4.7	4.0	4.3	4.9
AFFINITY	5.0	4.0	4.7	4.3	5.7	5.7	6.0	5.3	4.7	4.0	3.7	4.3	4.8
LINN	4.7	4.3	4.0	3.7	5.0	4.3	4.7	4.7	4.0	4.0	3.7	4.0	4.3
LSD VALUE	1.0	1.0	1.1	0.8	0.9	0.8	1.1	1.0	0.8	0.9	0.8	0.9	0.5
C.V. (%)	10.0	13.0	12.5	9.9	9.2	8.3	10.2	9.8	8.5	10.9	10.2	11.0	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 9.

WEAR TOLERANCE AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2009 DATA  
WEAR TOLERANCE AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT FULLNESS OF CANOPY RECEIVED TRAFFIC IN FALL					WEAR TOLERANCE RECOVERY		RECOVERY
	SEP 15 PRE-WEAR	SEP 18 24 PASSES	SEP 29 12 DAW*/	OCT 13 26 DAW*/	OCT 29 42 DAW	SEP 18 24 PASSES	OCT 13 26 DAW	OCT 30 43 DAW
PINNACLE	81.7	28.3	35.0	58.3	73.3	3.0	6.7	8.7
DP 17-9788	88.3	40.0	43.3	61.7	80.0	4.7	6.7	8.0
PANTHER GLS	90.0	48.3	55.0	63.3	75.0	5.7	6.7	8.0
AFFINITY	71.7	28.3	33.3	45.0	70.0	2.7	5.3	7.7
BARLENNIUM	83.3	35.0	40.0	46.7	65.0	4.3	5.0	7.7
PLATEAU (PST-2LAN)	85.0	50.0	53.3	66.7	76.7	6.0	7.3	7.7
SILVER DOLLAR	91.3	50.0	53.3	61.7	76.7	6.0	6.3	7.7
CITATION FORE	85.0	46.7	40.0	51.7	68.3	5.3	5.7	7.3
CHIVALRY (APR 1648)	88.3	38.3	45.0	51.7	65.0	4.0	5.7	7.0
HAWKEYE 2 (SRX 4692)	94.3	41.7	38.3	51.7	70.0	5.3	5.7	7.0
BRIGHTSTAR SLT	81.7	46.7	48.3	51.7	63.3	5.7	6.0	6.7
PALMER III	81.7	45.0	45.0	51.7	68.3	5.0	6.0	6.7
BAR LP 4920	85.0	33.3	33.3	45.0	58.3	3.0	4.7	6.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	86.7	50.0	46.7	55.0	70.0	5.7	6.0	6.3
DO4-LPO5	78.3	41.7	48.3	51.7	58.3	4.7	5.0	6.3
PREMIER II	90.0	38.3	38.3	50.0	61.7	5.0	5.3	6.3
PST-217	83.3	40.0	41.7	48.3	60.0	5.3	5.3	6.3
SRX 4682	91.3	40.0	43.3	55.0	66.7	4.7	6.3	6.3
BREA (04-BRE)	78.3	33.3	35.0	36.7	56.7	4.3	4.7	6.0
DART (APR 1663)	86.7	40.0	38.3	43.3	65.0	4.3	4.3	6.0
ES45	83.3	40.0	41.7	45.0	66.7	5.0	4.7	6.0
LPR 02203	75.0	21.7	28.3	41.7	58.3	2.3	5.3	6.0
LS 2300 (APR 1670)	78.3	40.0	38.3	43.3	65.0	4.3	4.3	6.0
MACH I	85.0	56.7	51.7	56.7	65.0	6.0	5.7	6.0
PLEASURE SUPREME (PM 103)	88.0	38.3	35.0	36.7	46.7	3.7	2.7	6.0
PST-2AG4	85.0	38.3	41.7	50.0	60.0	5.0	5.0	6.0
TR47	78.3	38.3	41.7	45.0	56.7	4.7	4.3	6.0
WIND DANCE 2 (PWDR)	80.0	48.3	45.0	48.3	61.7	6.0	5.3	6.0
1G SQUARED (APR 1664)	90.0	38.3	38.3	43.3	53.3	4.0	4.7	5.7
ACCENT II (JR-119)	85.0	33.3	35.0	41.7	60.0	4.0	4.3	5.7
FIREBOLT (PRG HS-01-09)	81.7	40.0	36.7	38.3	51.7	4.3	4.0	5.7
FOREVER (DP 17-9499)	76.7	38.3	35.0	40.0	58.3	4.7	3.7	5.7
MANHATTAN 5 GLR (PST-2AM)	85.0	40.0	40.0	45.0	56.7	4.3	4.0	5.7
MMW	86.7	41.7	38.3	46.7	63.3	4.3	5.0	5.7
PACESETTER II (PS-2)	81.7	46.7	41.7	46.7	60.0	6.3	5.3	5.7
PANTHER	90.0	38.3	38.3	43.3	60.0	4.0	4.3	5.7
PREMIER	75.0	31.7	31.7	43.3	66.7	3.0	4.3	5.7
REVENGE GLX (JR-348)	83.3	38.3	40.0	48.3	63.3	5.3	4.7	5.7
SECRETARIAT II GLSR (LTP-101-GLSR)	90.0	41.7	43.3	48.3	68.3	4.0	5.3	5.7
E-99	93.3	43.3	41.7	48.3	66.7	5.0	5.3	5.3
FIJI (GPR)	80.0	48.3	46.7	46.7	58.3	5.3	5.0	5.3
GALATTI (DP 17-9502)	88.0	40.0	38.3	46.7	63.3	4.7	4.7	5.3
HALO (KN42)	80.0	41.7	41.7	50.0	61.7	3.7	5.0	5.3
HEADSTART 2	80.0	41.7	41.7	45.0	58.3	5.3	4.3	5.3
LINE DRIVE GLS (APR 1797)	94.3	40.0	38.3	45.0	58.3	5.0	4.3	5.3
MONTEREY 3 (JR-408)	66.7	31.7	41.7	48.3	58.3	3.7	5.0	5.3
WAYFARER (L44)	71.7	38.3	36.7	40.0	55.0	3.3	4.0	5.3

TABLE 9. (CONT'D)

WEAR TOLERANCE AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2009 DATA

WEAR TOLERANCE AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT FULLNESS OF CANOPY RECEIVED TRAFFIC IN FALL					WEAR TOLERANCE		RECOVERY	
	SEP 15 PRE-WEAR	SEP 18 24 PASSES	SEP 29 12 DAW*/	OCT 13 26 DAW*/	OCT 29 42 DAW	SEP 18 24 PASSES	OCT 13 26 DAW	OCT 30 43 DAW	
ASP6002 (BPR)	70.0	35.0	35.0	40.0	55.0	3.3	4.7	5.0	
ASP6005 (AJM)	70.0	33.3	35.0	38.3	53.3	4.0	4.3	5.0	
BAR LP 4317	80.0	36.7	33.3	38.3	56.7	3.7	4.3	5.0	
BAR LP 4420	80.0	28.3	30.0	36.7	53.3	2.3	3.7	5.0	
BUENA VISTA	81.7	33.3	35.0	41.7	56.7	3.0	4.0	5.0	
GRAND SLAM 2 (PST-2GSM)	88.3	43.3	38.3	38.3	58.3	4.7	3.7	5.0	
GRAY FOX (PST-2MNG)	81.7	36.7	38.3	41.7	56.7	3.7	4.0	5.0	
GRAY STAR (PST-2LGL)	88.3	31.7	30.0	35.0	53.3	3.7	3.3	5.0	
HOMERUN (RG3P)	90.0	43.3	40.0	41.7	61.7	5.7	4.3	5.0	
INSPIRE	90.0	31.7	33.3	36.7	55.0	3.3	3.3	5.0	
KEYSTONE 2 (IS-PR 312)	94.7	38.3	31.7	35.0	58.3	3.7	3.7	5.0	
MAJESTY II (VB77)	70.0	30.0	31.7	38.3	53.3	2.7	4.7	5.0	
PENTIUM	83.3	31.7	31.7	38.3	51.7	2.3	3.3	5.0	
PRESIDIO (CNV)	80.0	43.3	41.7	43.3	56.7	5.0	4.7	5.0	
TRANSFORMER (D04-1667)	89.7	33.3	31.7	38.3	53.3	2.7	3.3	5.0	
ASP6004 (EXS54)	73.3	33.3	33.3	33.3	51.7	3.0	3.7	4.7	
BACCARAT (RAD-PR8)	80.0	40.0	36.7	41.7	58.3	4.3	4.0	4.7	
CALYPSO 3 (MS2)	85.0	35.0	35.0	36.7	53.3	4.3	4.0	4.7	
DELAWARE XL (PICK 01-2)	88.0	31.7	30.0	36.7	56.7	3.0	4.0	4.7	
FUSION	83.3	40.0	38.3	43.3	61.7	5.0	4.7	4.7	
NEXUS XD (SP4)	75.0	36.7	33.3	36.7	55.0	3.7	3.7	4.7	
NOTABLE (AF)	88.3	33.3	31.7	35.0	50.0	3.0	3.7	4.7	
PICK 02-R	75.0	45.0	41.7	41.7	53.3	5.7	4.0	4.7	
PM 102	85.0	31.7	31.7	31.7	51.7	2.7	3.7	4.7	
REGAL 5 (IS-PR 271)	80.0	40.0	36.7	40.0	53.3	4.3	4.3	4.7	
SOPRANO (DP1)	73.3	31.7	30.0	36.7	53.3	4.0	3.3	4.7	
SR 4600 (SRX 4SP)	90.0	36.7	33.3	35.0	56.7	4.3	3.3	4.7	
TOP GUN II (JR-324)	80.0	35.0	31.7	40.0	58.3	3.7	3.7	4.7	
ASP6001 (RTS)	83.3	28.3	28.3	33.3	48.3	3.3	3.7	4.3	
ASP6006 (LPFG)	68.3	26.7	28.3	30.0	45.0	2.7	3.7	4.3	
CUTTER II (PM 101)	80.0	40.0	38.3	41.7	51.7	4.7	3.7	4.3	
DEFENDER (D04-UP)	73.3	35.0	30.0	33.3	48.3	3.7	3.0	4.3	
EXACTA II GLSR (LTP-611-GLSR)	88.0	28.3	28.3	30.0	43.3	2.3	3.0	4.3	
GOALKEEPER II (JR-114)	70.0	33.3	31.7	36.7	56.7	3.7	3.7	4.3	
PALMER GLS (GL-2)	90.0	33.3	33.3	36.7	51.7	3.0	3.7	4.3	
PALMER V (RNS)	86.7	36.7	33.3	33.3	53.3	4.0	3.3	4.3	
PARAGON GLR	84.7	38.3	31.7	35.0	51.7	4.7	3.3	4.3	
PHENOM (APR 1660)	75.0	30.0	26.7	31.7	50.0	3.7	3.0	4.3	
PINNACLE II	91.7	35.0	35.0	40.0	55.0	3.7	3.7	4.3	
PIZZAZZ	83.0	30.0	33.3	35.0	51.7	4.0	4.3	4.3	
STELLAR GL (IS-PR 236)	86.3	33.3	28.3	33.3	50.0	3.7	3.7	4.3	
SUNSHINE 2	75.0	28.3	30.0	31.7	48.3	2.7	3.0	4.3	
APPLE GL (AAZ-B104)	86.7	31.7	28.3	31.7	48.3	3.3	2.3	4.0	
CADDIESHACK II (JR-163)	78.3	33.3	36.7	40.0	53.3	3.7	4.0	4.0	
FIESTA 4 (PICK F4)	85.0	30.0	26.7	28.3	50.0	3.0	2.7	4.0	
HARRIER (SRX 4UP3)	85.0	31.7	35.0	38.3	51.7	3.3	4.3	4.0	
LA QUINTA (JR-255)	71.7	25.0	26.7	31.7	46.7	2.0	3.7	4.0	

TABLE 9.  
(CONT'D)

WEAR TOLERANCE AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2009 DATA  
WEAR TOLERANCE AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT FULLNESS OF CANOPY RECEIVED TRAFFIC IN FALL					WEAR TOLERANCE		RECOVERY
	SEP 15 PRE-WEAR	SEP 18 24 PASSES	SEP 29 12 DAW*/	OCT 13 26 DAW*/	OCT 29 42 DAW	SEP 18 24 PASSES	OCT 13 26 DAW	OCT 30 43 DAW
LINN	46.7	5.0	5.0	11.7	41.7	1.0	1.0	4.0
OVERDRIVE	66.3	26.7	25.0	31.7	51.7	3.3	3.7	4.0
PALMER IV	91.3	35.0	31.7	35.0	51.7	4.0	4.3	4.0
PIANIST (DP 17-9505)	78.3	36.7	33.3	36.7	53.3	3.3	3.7	4.0
PRIMARY (IS-PR 269)	88.3	35.0	28.3	33.3	48.3	4.0	3.7	4.0
PROTEGE GLR	78.3	36.7	35.0	33.3	46.7	3.3	4.0	4.0
PST-2BLK	90.0	30.0	28.3	31.7	48.3	3.0	3.3	4.0
QUICKSILVER	78.3	30.0	28.3	30.0	46.7	3.3	3.3	4.0
REPELL GLS	65.0	23.3	25.0	30.0	48.3	2.7	3.3	4.0
ZOOM (LCK)	81.7	35.0	36.7	38.3	56.7	3.7	4.0	4.0
ALLSTAR 3 (IS-PR 274)	90.0	35.0	35.0	36.7	58.3	4.0	4.0	3.7
EDGE II (AC2)	68.3	28.3	26.7	31.7	50.0	2.3	2.0	3.7
RINGER II (04-BEN)	80.0	28.3	26.7	30.0	43.3	2.7	2.3	3.7
UNO (D04-11T)	93.0	33.3	31.7	36.7	45.0	3.0	3.0	3.7
AMAZING GS (IS-PR 276)	93.0	31.7	30.0	31.7	48.3	3.3	3.3	3.3
CABO II (IS-PR 233)	66.7	25.0	28.3	30.0	46.7	2.7	2.3	3.3
PROTOTYPE (DCM)	78.0	26.7	26.7	25.0	46.7	3.0	3.0	3.3
VB99	60.0	31.7	28.3	28.3	45.0	2.3	3.0	3.3
ASP6003 (TRS)	83.3	23.3	25.0	30.0	43.3	2.7	2.7	3.0
ATTRIBUTE (IS-PR 270)	86.3	31.7	28.3	30.0	43.3	2.7	2.7	3.0
DASHER 3 (PICK RB-1)	81.7	31.7	25.0	28.3	41.7	2.7	2.7	3.0
DERBY XTREME (IS-PR 268)	80.0	31.7	28.3	31.7	43.3	3.7	3.3	3.0
KOKOMO II (IS-PR 235)	85.0	26.7	21.7	23.3	40.0	3.0	2.3	2.7
NEXUS XR (SNR)	63.3	21.7	20.0	21.7	40.0	2.7	2.3	2.7
PALACE (IS-PR 273)	91.3	30.0	25.0	28.3	43.3	2.7	3.0	2.7
LSD VALUE	19.8	27.2	25.0	28.0	23.7	5.7	4.3	3.2
C.V. (%)	12.0	28.9	29.3	30.4	19.5	43.0	38.9	30.7

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.

\*/ DAW - DAYS AFTER WEAR (TRAFFIC).

TABLE 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT MEAD, NE 1/  
2009 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	MAY	JUN	QUALITY RATINGS				MEAN
								JUL	AUG	SEP	OCT	
TR47	8.3	5.7	7.7	9.0	8.3	6.7	8.0	7.7	7.7	8.0	8.7	7.8
ASP6003 (TRS)	8.0	4.3	7.0	9.0	8.3	7.0	8.0	7.7	7.7	8.0	7.7	7.7
ASP6004 (EXS54)	7.7	6.0	7.7	9.0	8.7	7.0	8.0	7.7	7.7	7.7	8.0	7.7
FIJI (GPR)	8.0	5.7	7.7	8.7	8.3	6.7	8.0	7.7	7.7	8.3	8.0	7.7
CHIVALRY (APR 1648)	7.7	5.3	7.0	9.0	8.7	7.0	7.7	7.3	8.0	7.7	8.0	7.6
ASP6005 (AJM)	7.7	6.7	8.0	9.0	8.3	7.0	8.0	7.7	7.3	7.7	8.0	7.6
EXACTA II GLSR (LTP-611-GLSR)	7.3	5.7	7.3	8.7	8.3	6.7	7.7	7.3	7.3	8.0	8.3	7.6
FIESTA 4 (PICK F4)	7.7	5.3	7.0	9.0	8.0	6.3	8.0	7.7	7.7	7.7	8.0	7.6
FIREBOLT (PRG HS-01-09)	7.7	5.7	7.3	9.0	8.3	6.7	8.0	7.7	8.0	7.7	7.7	7.6
NEXUS XR (SNR)	7.3	5.3	8.0	9.0	8.7	6.7	7.7	7.3	7.7	7.7	8.3	7.6
PALACE (IS-PR 273)	8.0	5.0	7.3	8.3	8.3	6.7	8.0	7.7	7.3	8.0	8.0	7.6
PALMER IV	7.7	5.7	7.7	8.7	8.3	6.7	7.3	7.7	8.0	8.0	8.0	7.6
PICK 02-R	7.7	5.3	7.7	8.7	9.0	6.7	8.0	7.7	7.7	7.7	8.0	7.6
SR 4600 (SRX 4SP)	8.0	5.0	7.3	8.3	8.3	6.7	7.7	7.3	7.3	8.0	8.7	7.6
TRANSFORMER (D04-1667)	8.0	4.7	6.7	9.0	8.7	6.7	7.7	7.7	8.0	8.0	7.7	7.6
VB99	8.3	5.7	7.0	8.7	8.7	7.0	7.7	7.0	7.7	8.0	8.0	7.6
WIND DANCE 2 (PWDR)	8.0	6.3	7.7	8.3	8.3	6.7	8.0	7.7	7.0	8.0	8.0	7.6
ZOOM (LCK)	7.7	5.3	7.3	8.7	8.3	6.7	7.3	7.7	7.3	8.0	8.3	7.6
ASP6001 (RTS)	7.7	6.3	8.0	8.7	8.7	7.0	7.7	7.3	7.3	8.0	7.7	7.5
ASP6006 (LPFG)	8.0	6.0	8.0	8.7	8.7	6.7	7.7	7.7	7.3	8.0	7.7	7.5
DART (APR 1663)	7.7	5.0	7.3	9.0	8.7	6.7	7.7	7.7	7.3	8.0	7.7	7.5
DERBY XTREME (IS-PR 268)	7.7	4.0	7.0	8.7	8.3	7.0	7.3	7.0	7.3	8.3	8.0	7.5
HOMERUN (RG3P)	8.0	5.3	8.0	8.3	8.7	7.0	7.7	7.3	7.7	7.3	8.0	7.5
LA QUINTA (JR-255)	8.3	5.7	7.7	8.3	8.3	6.7	8.0	7.7	7.0	8.0	7.7	7.5
PROTEGE GLR	7.3	4.3	7.3	8.7	8.7	5.7	8.0	7.3	7.7	8.0	8.3	7.5
REGAL 5 (IS-PR 271)	7.7	5.0	7.7	8.3	8.3	6.7	8.0	7.7	6.7	8.0	8.0	7.5
UNO (D04-11T)	7.3	5.7	7.0	9.0	8.3	6.7	7.7	7.0	8.0	7.7	8.0	7.5
ATTRIBUTE (IS-PR 270)	8.3	4.7	7.3	8.3	8.0	7.0	8.0	7.3	6.7	8.0	7.7	7.4
BREA (04-BRE)	7.7	5.3	7.3	9.0	8.3	6.7	7.3	7.3	7.7	7.3	8.0	7.4
BRIGHTSTAR SLT	7.3	5.3	7.3	8.7	8.7	6.3	7.3	8.0	7.3	7.3	8.3	7.4
BUENA VISTA	7.7	4.7	6.7	9.0	8.3	6.3	8.0	7.3	7.3	8.0	7.7	7.4
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	5.3	7.0	9.0	8.3	6.3	7.3	6.7	8.0	8.0	8.0	7.4
DP 17-9788	7.7	5.3	7.3	9.0	8.3	7.0	7.3	7.3	7.7	7.7	7.3	7.4
FOREVER (DP 17-9499)	7.7	5.7	7.7	8.3	8.3	7.0	7.7	7.3	6.7	7.7	8.0	7.4
HALO (KN42)	7.3	5.3	7.0	8.0	8.3	6.3	8.0	7.3	7.0	7.7	8.0	7.4
HAWKEYE 2 (SRX 4692)	6.7	4.7	7.7	9.0	8.3	6.0	7.7	7.7	7.3	7.7	8.0	7.4
MAJESTY II (VB77)	8.0	4.0	6.7	8.3	8.7	6.0	8.0	7.7	7.3	7.7	7.7	7.4
PALMER GLS (GL-2)	7.3	6.0	7.7	9.0	8.3	7.0	7.7	7.3	7.3	7.3	8.0	7.4
PALMER V (RNS)	7.0	6.0	7.7	9.0	8.3	6.7	7.3	7.3	7.0	7.7	8.3	7.4
SECRETARIAT II GLSR (LTP-101-GLSR)	7.0	5.7	7.3	9.0	8.3	6.3	7.7	7.3	7.3	8.0	8.0	7.4
ALLSTAR 3 (IS-PR 274)	8.0	4.3	6.0	9.0	8.7	5.7	8.0	7.0	7.3	7.7	8.3	7.3
AMAZING GS (IS-PR 276)	7.3	5.7	8.0	8.7	8.7	7.0	7.3	6.7	7.0	7.7	8.0	7.3
ASP6002 (BPR)	7.7	6.0	7.7	8.7	8.7	6.7	7.7	7.3	7.0	7.3	7.7	7.3
BARLENNIUM	7.3	5.7	7.7	9.0	8.3	6.0	7.3	7.3	7.7	8.0	7.7	7.3
CADDIESHACK II (JR-163)	7.0	5.7	7.3	8.3	8.7	6.3	7.3	7.0	7.3	8.0	7.7	7.3
DELAWARE XL (PICK 01-2)	7.7	4.7	7.3	8.7	8.0	6.7	7.7	7.3	7.3	7.3	7.7	7.3
ES45	6.7	5.0	7.3	9.0	8.0	6.0	7.7	7.7	7.3	8.0	7.3	7.3

TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT MEAD, NE 1/  
 2009 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	MAY	JUN	QUALITY RATINGS				MEAN
								JUL	AUG	SEP	OCT	
GALATTI (DP 17-9502)	7.0	4.7	7.3	8.7	8.7	6.7	7.7	8.0	6.3	7.7	7.7	7.3
HEADSTART 2	8.0	5.0	7.3	8.3	8.3	6.3	7.7	7.0	7.3	7.7	8.0	7.3
LINE DRIVE GLS (APR 1797)	7.7	6.0	7.0	9.0	8.3	6.7	7.7	7.0	7.3	7.7	7.3	7.3
MMW	7.0	5.7	7.0	8.7	8.3	6.0	7.7	7.7	7.3	7.3	7.7	7.3
NOTABLE (AF)	7.3	6.0	7.7	9.0	8.3	6.3	7.3	7.7	7.3	7.7	7.7	7.3
OVERDRIVE	7.0	5.0	7.7	9.0	8.0	6.7	7.0	7.7	7.3	7.3	8.0	7.3
PARAGON GLR	7.3	5.3	7.7	9.0	8.7	6.3	7.7	6.7	7.3	7.7	8.0	7.3
PINNACLE	7.0	6.0	7.0	9.0	8.7	6.7	7.3	7.3	7.3	7.7	7.7	7.3
PINNACLE II	7.3	5.0	7.3	8.3	8.0	6.3	7.7	6.3	7.3	8.3	8.0	7.3
PIZZAZZ	7.0	6.0	7.7	9.0	8.7	6.3	7.7	7.3	7.0	8.0	7.7	7.3
PROTOTYPE (DCM)	7.7	6.3	7.7	9.0	8.3	6.3	7.7	7.3	7.3	8.0	7.3	7.3
PST-217	6.7	5.7	7.0	9.0	8.0	6.0	7.3	7.7	7.3	7.7	8.0	7.3
STELLAR GL (IS-PR 236)	8.0	5.3	7.0	8.0	8.0	6.3	7.7	7.3	7.0	7.3	8.0	7.3
1G SQUARED (APR 1664)	7.3	4.0	7.3	8.3	8.7	6.3	7.7	7.7	6.7	7.3	7.3	7.2
APPLE GL (AAZ-B104)	7.0	5.3	7.7	9.0	8.7	5.7	7.3	7.3	7.3	7.3	8.0	7.2
BAR LP 4420	7.0	5.3	7.7	8.0	8.3	6.7	7.7	7.3	7.0	7.0	7.7	7.2
CABO II (IS-PR 233)	7.0	5.7	7.0	9.0	8.0	6.0	7.0	7.3	7.3	7.7	7.7	7.2
CUTTER II (PM 101)	7.7	4.7	7.3	9.0	8.3	6.0	7.3	7.0	7.3	8.0	7.7	7.2
EDGE II (AC2)	7.3	5.3	7.0	8.7	8.7	6.3	8.0	7.3	6.7	7.3	7.7	7.2
FUSION	7.3	4.7	7.0	9.0	8.0	6.3	7.0	7.0	7.7	7.7	7.7	7.2
GRAY FOX (PST-2MNG)	7.7	6.7	7.3	8.7	8.7	6.3	8.0	7.0	6.7	7.7	7.7	7.2
HARRIER (SRX 4UP3)	7.3	4.7	7.0	9.0	8.7	6.3	7.3	7.3	7.3	7.7	7.3	7.2
LS 2300 (APR 1670)	7.0	5.3	7.3	9.0	8.3	6.3	7.7	7.0	7.3	7.7	7.3	7.2
MACH I	8.0	4.7	6.7	9.0	8.3	5.7	7.7	7.3	7.0	8.0	7.7	7.2
MANHATTAN 5 GLR (PST-2AM)	6.7	5.0	7.0	8.7	8.0	6.0	7.7	7.3	7.0	8.0	7.3	7.2
NEXUS XD (SP4)	7.3	5.7	7.0	9.0	8.7	6.7	7.0	7.0	7.7	7.3	7.7	7.2
PENTIUM	7.3	5.7	7.0	8.7	8.3	6.3	7.0	7.3	7.3	7.7	7.7	7.2
PHENOM (APR 1660)	7.3	5.0	7.3	8.7	8.0	6.3	7.3	7.7	6.7	7.3	8.0	7.2
PREMIER II	7.0	6.0	7.7	8.7	8.3	6.3	7.3	7.3	7.3	7.0	7.7	7.2
PRIMARY (IS-PR 269)	7.3	4.3	6.3	9.0	8.3	6.3	7.3	7.0	7.3	7.7	7.7	7.2
PST-2BLK	7.3	6.3	7.7	9.0	8.3	6.0	7.0	7.0	7.0	8.0	8.0	7.2
QUICKSILVER	7.0	5.3	7.0	7.7	8.3	6.7	7.0	7.7	6.3	7.7	8.0	7.2
REPELL GLS	7.0	5.3	6.7	8.7	8.3	6.0	7.7	7.3	7.3	7.7	7.3	7.2
RINGER II (04-BEN)	7.3	6.3	8.0	9.0	8.3	6.7	7.0	7.0	7.3	7.3	7.7	7.2
SILVER DOLLAR	7.3	5.7	7.3	9.0	8.3	6.3	7.7	7.0	7.0	7.7	7.7	7.2
TOP GUN II (JR-324)	7.3	4.3	7.0	9.0	8.3	5.7	7.0	7.7	7.3	8.0	7.7	7.2
DASHER 3 (PICK RB-1)	7.0	5.3	7.7	8.7	8.7	6.3	7.3	7.0	6.7	7.3	8.0	7.1
INSPIRE	7.3	6.3	7.7	8.7	8.3	6.0	7.3	7.3	7.3	7.0	7.3	7.1
KEYSTONE 2 (IS-PR 312)	7.3	4.7	7.7	8.3	8.0	6.3	7.3	6.7	7.0	7.7	7.3	7.1
KOKOMO II (IS-PR 235)	7.0	5.0	7.3	9.0	8.0	6.3	7.0	7.0	7.7	7.3	7.0	7.1
MONTEREY 3 (JR-408)	7.3	4.3	6.7	8.7	8.0	6.3	7.3	7.0	7.0	7.3	7.7	7.1
PST-2AG4	7.7	5.0	6.7	8.0	8.7	6.0	7.7	7.3	6.7	7.3	7.7	7.1
SOPRANO (DP1)	7.3	5.0	6.3	9.0	8.3	5.7	7.7	7.3	7.3	7.3	7.3	7.1
WAYFARER (L44)	7.3	5.3	6.3	8.7	8.7	5.3	7.7	7.7	7.3	7.3	7.3	7.1
ACCENT II (JR-119)	7.7	5.7	7.3	9.0	8.3	6.0	7.0	7.0	7.0	7.7	7.3	7.0
CALYPSO 3 (MS2)	7.3	6.3	7.7	8.3	8.0	6.3	7.0	7.0	7.3	7.3	7.0	7.0
DEFENDER (D04-UP)	7.3	5.3	7.0	8.7	8.3	6.3	7.3	7.0	7.0	7.3	7.0	7.0

TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT MEAD, NE 1/  
 2009 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	QUALITY RATINGS						MEAN
						MAY	JUN	JUL	AUG	SEP	OCT	
GRAND SLAM 2 (PST-2GSM)	7.0	5.0	7.7	9.0	8.7	6.0	7.0	7.0	7.0	7.7	7.3	7.0
PACESETTER II (PS-2)	7.0	4.7	6.0	8.0	8.0	5.3	7.7	7.0	6.3	7.7	8.0	7.0
PALMER III	7.3	5.3	7.0	8.0	8.0	5.7	7.3	7.3	6.7	7.7	7.3	7.0
PLATEAU (PST-2LAN)	7.0	4.7	7.7	8.7	8.3	6.7	7.3	7.0	6.7	7.3	7.0	7.0
PM 102	7.7	5.0	7.0	8.7	8.3	6.0	7.3	7.0	6.7	7.3	7.7	7.0
BAR LP 4317	6.7	5.7	7.3	8.7	8.3	5.7	6.7	7.0	7.3	7.7	7.0	6.9
GOALKEEPER II (JR-114)	7.0	5.7	7.3	9.0	8.0	5.7	7.0	7.0	7.3	7.7	7.0	6.9
GRAY STAR (PST-2LGL)	7.3	5.0	6.7	8.3	8.0	6.3	7.0	7.0	7.0	7.3	7.0	6.9
PRESIDIO (CNV)	6.7	5.7	7.3	9.0	8.0	5.7	7.0	7.0	7.0	7.3	7.3	6.9
SUNSHINE 2	6.7	5.3	7.7	8.7	8.3	5.7	7.0	7.3	7.0	7.3	7.0	6.9
PIANIST (DP 17-9505)	7.0	5.3	7.0	8.0	8.0	6.3	6.7	7.0	6.3	7.3	7.0	6.8
LPR 02203	7.0	5.3	7.0	9.0	8.3	5.7	6.7	7.0	7.0	7.3	6.7	6.7
REVENGE GLX (JR-348)	7.0	5.0	7.3	8.7	8.0	5.7	6.7	6.3	7.0	7.3	7.0	6.7
BAR LP 4920	7.0	5.7	7.3	8.3	8.7	6.0	7.3	7.3	5.0	6.7	7.0	6.6
CITATION FORE	7.0	5.7	7.7	8.3	8.3	5.7	6.7	6.7	6.3	7.0	7.3	6.6
D04-LP05	6.3	5.3	6.7	8.3	8.0	5.7	6.3	6.3	7.0	7.3	6.7	6.6
PANTHER GLS	6.3	6.0	7.7	8.7	8.0	6.0	6.3	6.3	7.3	7.0	6.7	6.6
PLEASURE SUPREME (PM 103)	7.0	5.3	7.0	8.3	8.0	6.0	6.7	6.7	6.0	7.0	7.0	6.6
SRX 4682	7.0	4.7	6.3	8.3	7.7	5.0	6.7	6.3	6.7	6.7	7.3	6.4
AFFINITY	6.3	4.7	7.0	8.3	7.7	5.3	6.7	6.0	6.7	6.7	6.7	6.3
PANTHER	5.7	6.7	7.7	7.7	8.3	5.7	6.7	6.0	6.0	7.3	6.3	6.3
BACCARAT (RAD-PR8)	6.7	6.0	7.7	8.3	7.7	5.3	6.7	6.3	6.3	6.7	5.7	6.2
PREMIER	6.0	6.0	7.7	9.0	8.0	5.7	6.0	6.0	6.7	6.7	6.0	6.2
E-99	6.0	5.0	6.0	7.7	6.3	5.3	6.0	5.3	5.0	7.0	6.7	5.9
LINN	4.7	4.3	5.7	7.3	5.0	4.3	4.7	5.3	4.7	5.7	6.3	5.2
LSD VALUE	2.2	6.0	2.5	1.4	1.3	2.2	1.7	1.4	2.0	2.6	1.7	1.1
C.V. (%)	11.0	20.9	10.1	6.2	7.1	11.8	9.7	8.9	10.9	8.8	9.4	7.0

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 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN UNDER TRAFFIC STRESS AT ITHACA, NY 1/  
 2009 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING	QUALITY RATINGS						MEAN
	GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	
PANTHER GLS	4.0	4.3	5.3	3.7	3.7	5.0	5.0	4.5
EXACTA II GLSR (LTP-611-GLSR)	5.7	4.0	5.3	3.7	4.0	5.0	4.7	4.4
MANHATTAN 5 GLR (PST-2AM)	5.3	4.3	5.7	3.7	3.3	4.7	5.0	4.4
AMAZING GS (IS-PR 276)	6.0	4.3	5.7	3.7	3.3	4.0	5.0	4.3
KEYSTONE 2 (IS-PR 312)	5.3	5.0	5.3	3.3	3.7	4.0	4.7	4.3
SECRETARIAT II GLSR (LTP-101-GLSR)	5.0	4.3	5.0	3.7	4.0	4.0	5.0	4.3
SOPRANO (DP1)	6.3	4.0	5.3	4.0	3.0	4.3	5.0	4.3
TRANSFORMER (D04-1667)	5.3	4.3	5.3	3.7	3.7	4.3	4.7	4.3
1G SQUARED (APR 1664)	5.7	4.3	5.0	3.3	3.0	4.3	5.0	4.2
ATTRIBUTE (IS-PR 270)	5.0	4.0	4.7	3.3	3.0	4.7	5.3	4.2
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.7	4.3	4.7	3.3	3.0	4.7	5.0	4.2
DEFENDER (D04-UP)	5.3	4.0	5.7	3.7	3.7	4.0	4.0	4.2
HOMERUN (RG3P)	5.3	4.0	5.0	3.7	3.3	4.3	5.0	4.2
PALMER GLS (GL-2)	5.3	4.0	5.3	3.3	3.3	4.0	5.3	4.2
PALMER V (RNS)	5.3	4.0	4.7	3.7	3.3	4.3	5.0	4.2
PRIMARY (IS-PR 269)	4.3	4.7	5.0	3.3	3.3	4.0	4.7	4.2
STELLAR GL (IS-PR 236)	4.3	4.3	5.3	3.0	3.7	4.0	4.7	4.2
CHIVALRY (APR 1648)	6.0	4.3	4.7	3.3	3.7	4.0	4.7	4.1
DERBY XTREME (IS-PR 268)	5.7	3.7	5.0	3.3	3.3	4.0	5.3	4.1
FIESTA 4 (PICK F4)	4.3	4.3	4.7	3.3	3.0	4.0	5.0	4.1
INSPIRE	5.7	3.7	5.0	4.0	4.0	4.0	4.0	4.1
LA QUINTA (JR-255)	6.0	3.3	4.7	3.7	3.7	4.0	5.0	4.1
MMW	5.0	3.7	5.7	3.7	3.3	3.7	4.7	4.1
PINNACLE II	5.3	4.0	4.3	3.3	3.0	4.3	5.3	4.1
PROTOTYPE (DCM)	4.3	4.3	4.3	3.3	3.7	4.0	4.7	4.1
UNO (D04-11T)	5.0	3.7	4.7	3.7	3.7	4.3	4.7	4.1
ASP6004 (EXS54)	5.0	4.0	5.0	3.0	3.3	4.0	4.7	4.0
BAR LP 4920	4.7	4.0	4.7	3.7	3.3	4.0	4.3	4.0
EDGE II (AC2)	4.7	4.0	4.7	3.3	3.3	4.0	4.7	4.0
KOKOMO II (IS-PR 235)	4.3	3.7	5.0	3.7	3.0	4.3	4.3	4.0
MACH I	5.3	3.7	5.3	3.3	3.0	4.0	4.7	4.0
SR 4600 (SRX 4SP)	4.7	3.3	5.0	3.3	3.3	4.3	4.7	4.0
ALLSTAR 3 (IS-PR 274)	5.3	4.0	4.7	3.7	3.0	4.3	3.7	3.9
ASP6006 (LPFG)	6.0	3.7	5.0	3.3	3.3	3.7	4.3	3.9
BUENA VISTA	5.0	3.7	5.0	3.3	3.7	4.0	3.7	3.9
CALYPSO 3 (MS2)	5.3	3.7	5.0	3.7	3.0	3.7	4.3	3.9
E-99	4.7	4.0	4.7	3.0	3.0	4.0	4.7	3.9
FIREBOLT (PRG HS-01-09)	5.7	3.7	4.7	3.3	3.3	4.0	4.7	3.9
FOREVER (DP 17-9499)	5.7	4.0	4.7	3.0	3.3	4.0	4.3	3.9
FUSION	6.0	4.3	4.3	3.3	3.0	4.0	4.7	3.9
GRAY STAR (PST-2LGL)	5.7	3.3	4.7	3.3	3.3	4.0	4.7	3.9
NOTABLE (AF)	5.0	4.0	5.3	3.0	3.0	3.7	4.3	3.9
PENTIUM	4.7	4.0	5.3	3.3	3.0	4.0	4.0	3.9
PLATEAU (PST-2LAN)	6.0	3.7	4.3	3.0	3.0	4.3	5.0	3.9
PLEASURE SUPREME (PM 103)	5.3	3.7	5.0	3.3	3.3	4.0	4.3	3.9
PRESIDIO (CNV)	4.0	3.7	4.7	3.7	3.3	4.0	4.0	3.9
REGAL 5 (IS-PR 271)	5.3	3.3	4.7	3.3	3.3	4.0	4.7	3.9

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D)

GROWN UNDER TRAFFIC STRESS AT ITHACA, NY 1/  
2009 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS							MEAN
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	
APPLE GL (AAZ-B104)	5.0	3.7	4.3	3.0	3.3	3.7	4.7	3.8
BACCARAT (RAD-PR8)	5.7	3.7	4.7	3.3	3.0	3.7	4.3	3.8
BAR LP 4317	5.0	3.3	5.0	3.7	3.3	3.3	4.3	3.8
BARLENNIUM	4.3	3.7	4.3	3.0	3.3	3.7	4.7	3.8
DART (APR 1663)	5.0	4.0	5.0	3.0	3.0	3.7	4.0	3.8
DASHER 3 (PICK RB-1)	5.3	3.7	4.7	3.3	3.0	3.7	4.3	3.8
DP 17-9788	5.7	4.3	4.3	3.0	3.0	4.0	4.0	3.8
LS 2300 (APR 1670)	5.3	3.7	4.7	3.3	3.0	3.7	4.3	3.8
MONTEREY 3 (JR-408)	4.3	3.7	4.3	3.3	3.3	4.0	4.3	3.8
NEXUS XR (SNR)	5.3	3.3	4.7	3.0	3.0	4.0	4.7	3.8
PACESETTER II (PS-2)	4.3	3.3	4.7	3.3	3.0	4.7	4.0	3.8
PARAGON GLR	5.7	3.7	4.7	3.0	3.0	3.3	5.3	3.8
PHENOM (APR 1660)	5.3	3.3	4.3	3.3	3.7	3.7	4.7	3.8
PIZZAZZ	5.3	3.7	4.7	3.0	3.3	3.7	4.7	3.8
PROTEGE GLR	5.7	3.7	4.3	3.0	2.7	4.0	5.3	3.8
PST-217	6.0	3.3	5.0	3.3	3.3	3.7	4.0	3.8
REPELL GLS	6.0	3.3	4.7	3.3	3.0	4.0	4.7	3.8
TOP GUN II (JR-324)	5.7	3.0	4.7	3.3	3.3	4.0	4.3	3.8
VB99	5.3	4.3	4.3	3.0	3.0	4.0	4.3	3.8
WIND DANCE 2 (PWDR)	5.7	4.0	4.3	3.3	3.0	4.0	4.3	3.8
ASP6002 (BPR)	5.0	3.0	4.7	3.3	3.0	3.7	4.7	3.7
ASP6003 (TRS)	5.3	3.7	4.3	3.0	3.3	3.7	4.0	3.7
BRIGHTSTAR SLT	5.3	3.7	4.7	3.0	3.0	4.0	4.0	3.7
CABO II (IS-PR 233)	5.0	3.7	4.3	3.3	3.0	3.7	4.3	3.7
CADDIESHACK II (JR-163)	4.7	3.0	4.7	3.3	3.7	3.7	4.0	3.7
CUTTER II (PM 101)	5.7	3.0	4.7	3.3	3.0	3.7	4.3	3.7
DO4-LP05	4.7	3.7	4.0	3.0	3.3	4.0	4.0	3.7
FIJI (GPR)	5.3	3.3	4.3	3.3	3.3	3.7	4.0	3.7
GALATTI (DP 17-9502)	4.7	3.3	4.3	3.3	3.0	4.0	4.3	3.7
GRAND SLAM 2 (PST-2GSM)	5.7	3.3	4.3	3.7	3.3	3.3	4.0	3.7
GRAY FOX (PST-2MNG)	5.0	3.3	4.3	3.3	3.3	3.7	4.3	3.7
HARRIER (SRX 4UP3)	4.3	3.7	4.3	3.0	3.0	3.7	4.3	3.7
HEADSTART 2	4.7	3.3	5.0	3.0	3.0	3.7	4.3	3.7
LINE DRIVE GLS (APR 1797)	5.0	3.7	4.7	3.0	3.3	3.3	4.3	3.7
MAJESTY II (VB77)	4.0	3.7	4.7	3.0	3.0	3.7	4.3	3.7
OVERDRIVE	4.0	4.0	4.0	3.3	3.3	3.3	4.0	3.7
PALMER III	4.7	4.0	4.7	3.0	3.3	3.3	4.0	3.7
PST-2BLK	5.3	3.3	4.7	3.3	3.3	3.7	3.7	3.7
REVENGE GLX (JR-348)	5.3	3.7	4.7	3.3	3.0	3.3	4.3	3.7
SILVER DOLLAR	5.7	3.7	4.7	3.3	2.7	3.7	4.0	3.7
TR47	4.7	3.3	4.3	3.3	3.0	3.7	4.3	3.7
ZOOM (LCK)	5.7	3.3	4.3	3.0	3.3	3.7	4.3	3.7
ACCENT II (JR-119)	4.3	3.7	4.3	3.0	3.3	3.3	4.0	3.6
AFFINITY	3.7	3.7	4.0	3.3	3.0	3.7	4.0	3.6
ASP6001 (RTS)	5.7	3.0	4.3	3.3	3.7	3.3	3.7	3.6
GOALKEEPER II (JR-114)	4.7	3.3	4.3	3.3	3.3	3.3	3.7	3.6
NEXUS XD (SP4)	5.0	3.3	4.3	2.7	3.0	3.7	4.3	3.6

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT ITHACA, NY 1/  
 2009 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING				QUALITY RATINGS				MEAN
	GREENUP	MAY	JUN	JUL	AUG	SEP	OCT		
PALACE (IS-PR 273)	4.7	3.3	4.3	3.3	3.3	3.0	4.3	3.6	
PIANIST (DP 17-9505)	4.7	3.3	4.3	3.0	3.0	3.7	4.0	3.6	
PREMIER II	4.0	3.3	4.0	3.0	3.3	3.7	4.3	3.6	
PST-2AG4	5.3	3.7	4.0	3.0	3.0	3.7	4.0	3.6	
RINGER II (04-BEN)	5.3	3.3	4.0	3.0	3.3	3.7	4.3	3.6	
ASP6005 (AJM)	5.3	3.3	4.0	3.3	3.3	3.3	3.7	3.5	
CITATION FORE	5.3	3.3	4.3	3.3	3.0	3.0	4.0	3.5	
PALMER IV	5.0	3.3	4.3	3.0	3.3	3.3	3.7	3.5	
QUICKSILVER	4.7	3.0	4.3	3.3	3.0	3.3	4.0	3.5	
WAYFARER (L44)	5.3	3.3	4.0	3.0	3.3	3.3	4.0	3.5	
BAR LP 4420	4.3	3.3	4.0	3.0	3.0	3.3	3.7	3.4	
BREA (04-BRE)	5.0	3.7	4.0	3.0	3.0	3.3	3.7	3.4	
ES45	5.3	3.3	4.0	3.0	3.0	3.3	3.7	3.4	
HALO (KN42)	4.7	3.3	4.0	3.0	2.7	3.7	3.7	3.4	
LPR 02203	4.0	3.3	4.0	3.0	3.0	3.7	3.7	3.4	
PANTHER	4.3	3.0	4.0	3.0	3.0	3.3	4.0	3.4	
PICK 02-R	4.7	3.0	4.0	3.0	3.0	3.3	4.0	3.4	
PM 102	5.7	3.0	4.3	3.0	3.3	2.7	4.3	3.4	
SRX 4682	5.3	3.0	4.0	3.3	3.0	3.7	3.7	3.4	
SUNSHINE 2	4.7	3.0	3.7	3.7	3.0	3.7	3.7	3.4	
DELAWARE XL (PICK 01-2)	4.7	3.0	4.0	3.0	3.0	3.0	3.7	3.3	
HAWKEYE 2 (SRX 4692)	5.3	3.3	4.0	2.7	3.3	3.0	3.7	3.3	
PINNACLE	5.0	3.3	4.3	3.0	2.7	3.0	3.7	3.3	
LINN	2.3	3.3	3.3	2.3	3.3	2.7	3.3	3.1	
PREMIER	4.0	3.0	3.3	3.0	3.0	2.7	3.3	3.1	
LSD VALUE	3.3	1.5	1.6	2.0	1.9	1.6	2.8	0.6	
C.V. (%)	19.2	16.3	14.0	14.4	14.3	16.4	17.7	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 12.

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	IL2	IN1	MA1	MD1	MI1	M01	NE1	OR1	PA1	RI1	UT1	VA1	MEAN
PICK 02-R	9.0	8.7	8.0	8.0	6.0	7.7	7.7	7.7	8.0	6.3	9.0	5.7	7.6
TR47	9.0	8.7	8.3	7.3	5.7	6.3	8.3	8.0	8.7	6.7	7.7	6.0	7.6
ASP6003 (TRS)	8.0	8.0	8.0	7.3	5.7	6.7	8.0	7.7	8.7	6.7	8.0	6.7	7.4
HALO (KN42)	8.3	8.7	8.0	8.0	6.7	6.3	7.0	7.7	8.7	6.3	8.0	5.7	7.4
NEXUS XD (SP4)	9.0	9.0	8.0	8.0	6.3	6.7	7.3	8.0	9.0	5.0	7.7	5.0	7.4
VB99	8.7	8.7	8.0	8.0	6.7	7.0	7.7	8.3	8.3	4.7	7.0	5.7	7.4
ASP6002 (BPR)	8.7	8.3	8.0	7.7	6.0	6.7	7.7	7.7	8.7	6.7	7.3	5.3	7.4
FIREBOLT (PRG HS-01-09)	9.0	8.3	7.7	7.3	6.0	7.7	8.0	7.3	8.3	5.7	7.0	6.0	7.4
ASP6005 (AJM)	8.0	8.0	8.0	7.7	5.7	6.7	8.3	7.3	8.7	6.0	7.7	6.0	7.3
ES45	8.7	8.0	8.0	7.3	6.0	6.3	7.7	8.0	8.3	5.7	8.0	6.0	7.3
WAYFARER (L44)	8.7	9.0	8.0	6.7	6.3	6.7	7.7	7.7	8.3	5.7	7.7	5.3	7.3
NEXUS XR (SNR)	8.7	8.3	8.0	7.0	6.3	6.0	8.0	7.3	8.3	6.0	8.0	5.3	7.3
PM 102	8.0	8.7	8.0	8.0	7.0	6.7	7.3	7.0	8.7	5.3	7.3	5.3	7.3
ASP6006 (LPFG)	8.0	8.0	7.7	7.7	6.0	7.0	7.7	7.3	8.0	6.3	8.0	5.3	7.3
SUNSHINE 2	8.7	8.3	8.3	8.0	6.7	6.7	6.7	7.3	8.0	5.0	7.3	6.0	7.3
WIND DANCE 2 (PWDR)	9.0	8.0	7.7	7.7	6.3	7.0	8.0	7.7	8.3	5.3	7.3	4.3	7.2
CUTTER II (PM 101)	7.3	8.3	8.0	7.7	7.0	7.0	7.0	8.3	8.0	5.3	7.0	5.0	7.2
PALACE (IS-PR 273)	6.7	8.7	7.7	7.7	6.0	5.7	8.3	7.7	8.0	6.7	6.7	6.0	7.1
MAJESTY II (VB77)	7.3	8.3	8.0	8.0	5.7	6.7	8.0	7.7	7.3	4.7	7.3	6.7	7.1
FIESTA 4 (PICK F4)	7.7	8.0	8.0	7.3	6.7	6.7	7.7	7.7	7.3	4.7	6.7	7.3	7.1
FIJI (GPR)	7.7	8.0	8.0	7.3	5.7	6.7	8.0	8.0	8.0	6.0	6.3	5.7	7.1
CABO II (IS-PR 233)	8.0	8.3	7.7	8.0	6.0	6.3	7.0	7.3	8.3	4.7	6.7	6.7	7.1
STELLAR GL (IS-PR 236)	7.7	8.3	8.0	7.0	6.3	6.3	7.3	7.7	8.7	4.3	7.0	6.3	7.1
ASP6004 (EXS54)	8.0	8.0	8.0	7.3	6.0	6.3	7.7	7.0	7.7	6.0	6.7	6.0	7.1
PALMER IV	6.3	8.3	7.7	7.3	6.0	6.7	7.3	7.7	8.3	5.0	6.7	7.3	7.1
ASP6001 (RTS)	8.7	8.3	8.0	7.3	6.0	6.0	7.7	7.3	8.0	4.7	7.0	5.3	7.0
REGAL 5 (IS-PR 271)	6.3	8.3	8.0	7.7	5.7	6.0	8.3	8.3	8.7	4.7	7.0	5.3	7.0
PRESIDIO (CNV)	8.7	8.0	8.0	6.7	5.7	7.0	6.7	7.7	7.7	4.7	7.0	6.3	7.0
REVENGE GLX (JR-348)	6.3	8.7	8.0	6.3	6.3	6.7	6.7	6.7	7.3	7.3	7.7	6.0	7.0
CHIVALRY (APR 1648)	7.0	8.0	8.0	7.0	5.0	6.3	7.3	7.0	8.0	6.3	7.7	6.0	7.0
DERBY XTREME (IS-PR 268)	7.0	8.3	8.0	6.7	6.0	6.3	7.7	7.3	8.0	4.3	7.3	6.7	7.0
DELAWARE XL (PICK 01-2)	8.7	8.0	7.3	6.7	5.3	7.0	7.0	7.0	8.3	6.0	7.0	5.3	7.0
LA QUINTA (JR-255)	8.0	8.0	7.3	7.7	5.7	5.7	8.3	7.7	7.0	5.3	6.3	6.7	7.0
HEADSTART 2	7.3	8.3	7.7	7.3	5.7	6.7	7.7	6.7	7.7	4.7	7.0	6.3	6.9
CALYPSO 3 (MS2)	7.7	8.3	7.7	7.0	5.7	6.7	7.0	7.7	7.7	5.3	7.0	5.3	6.9
UNO (D04-11T)	6.7	8.0	7.7	7.0	6.0	7.3	7.7	7.7	7.3	5.0	6.3	6.0	6.9
ATTRIBUTE (IS-PR 270)	6.7	8.7	7.7	6.3	6.0	6.3	8.3	7.7	7.7	4.7	6.7	5.7	6.9
TOP GUN II (JR-324)	7.3	8.0	7.0	6.7	6.7	6.3	7.0	7.3	7.0	5.3	6.7	7.0	6.9
KOKOMO II (IS-PR 235)	6.7	8.3	8.0	7.0	6.0	6.0	7.0	7.7	8.3	5.3	6.7	5.3	6.9
EXACTA II GLSR (LTP-611-GLSR)	7.0	7.7	7.7	6.7	6.0	6.7	8.0	7.7	7.3	5.0	6.7	5.7	6.8
PALMER V (RNS)	6.0	8.3	7.7	6.7	6.3	6.3	7.7	7.3	6.7	5.3	7.0	6.7	6.8
PARAGON GLR	6.7	8.0	6.3	6.0	6.3	6.3	7.7	7.7	7.7	5.3	7.0	6.7	6.8
EDGE II (AC2)	7.3	8.0	7.7	7.0	6.0	6.7	7.0	7.0	7.0	5.0	7.3	5.7	6.8
PLEASURE SUPREME (PM 103)	7.3	8.0	7.3	6.7	6.0	6.3	7.3	7.3	7.3	5.3	6.3	6.0	6.8
QUICKSILVER	7.0	8.3	7.3	7.7	5.3	6.7	7.0	7.0	7.3	5.0	6.3	6.0	6.8

TABLE 12. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	IL2	IN1	MA1	MD1	MI1	MO1	NE1	OR1	PA1	RI1	UT1	VA1	MEAN
SILVER DOLLAR	6.3	8.0	7.3	6.0	6.0	7.3	7.0	7.0	7.3	6.0	7.3	5.3	6.8
DASHER 3 (PICK RB-1)	6.3	8.0	8.0	6.7	6.0	6.7	7.7	7.3	7.0	5.0	6.7	5.3	6.7
PROTEGE GLR	7.3	8.0	7.7	6.3	5.7	6.3	7.7	7.3	7.0	5.7	5.7	5.7	6.7
HOMERUN (RG3P)	6.3	8.0	7.7	6.3	5.3	6.7	7.7	7.3	7.0	5.0	6.7	6.0	6.7
ALLSTAR 3 (IS-PR 274)	6.3	8.0	7.3	7.0	6.0	6.3	7.3	7.7	8.0	4.7	6.0	5.0	6.6
MACH I	6.7	8.0	8.0	6.7	5.7	6.0	7.7	7.0	7.3	4.0	7.3	5.3	6.6
OVERDRIVE	6.0	8.3	7.7	6.0	6.0	6.3	7.0	8.0	7.0	3.3	7.0	6.7	6.6
AMAZING GS (IS-PR 276)	6.3	8.0	7.7	7.0	5.7	5.7	7.3	7.0	7.7	4.3	7.0	5.7	6.6
BREA (O4-BRE)	7.3	8.3	7.7	6.0	5.7	6.7	7.7	6.7	7.0	4.7	6.0	5.7	6.6
HAWKEYE 2 (SRX 4692)	6.7	8.0	7.3	5.3	6.0	6.3	7.0	7.0	7.0	5.0	6.7	7.0	6.6
PST-2BLK	7.0	8.3	7.3	5.0	5.7	6.7	7.7	7.3	8.0	5.0	5.3	6.0	6.6
SOPRANO (DP1)	5.7	8.0	7.7	6.3	6.3	6.0	7.0	7.7	8.3	3.3	6.7	6.3	6.6
MMW	5.7	8.0	7.7	6.7	6.7	6.0	7.0	7.0	7.7	4.0	6.7	6.0	6.6
SR 4600 (SRX 4SP)	6.0	8.3	7.3	6.7	5.0	6.3	7.7	7.3	6.7	4.3	6.7	6.7	6.6
BAR LP 4420	6.3	8.3	7.3	6.0	6.0	6.3	7.7	6.7	6.3	6.0	6.3	5.7	6.6
GALATTI (DP 17-9502)	5.3	8.0	8.0	5.7	6.0	6.3	7.7	7.3	6.7	4.7	7.0	6.3	6.6
ZOOM (LCK)	5.3	8.3	7.7	7.0	6.3	5.7	7.7	7.3	7.7	4.0	6.7	5.3	6.6
BUENA VISTA	5.3	8.3	7.3	6.3	5.7	6.0	7.3	7.0	7.3	4.3	6.7	7.0	6.6
GRAY FOX (PST-2MNG)	5.3	8.3	7.0	5.3	6.0	6.7	7.3	7.0	6.7	6.0	6.0	7.0	6.6
LINE DRIVE GLS (APR 1797)	5.3	7.3	7.0	5.3	6.0	6.3	8.0	7.3	6.3	5.3	7.3	7.0	6.6
APPLE GL (AAZ-B104)	6.0	8.0	7.7	6.0	5.7	6.3	7.7	7.3	7.7	4.3	6.3	5.3	6.5
FUSION	6.3	8.3	8.0	6.7	5.0	5.7	7.0	7.7	7.7	4.3	6.3	5.3	6.5
PALMER GLS (GL-2)	5.7	8.3	6.7	6.0	5.7	6.3	7.3	7.0	7.0	5.3	6.3	6.3	6.5
PANTHER GLS	6.0	8.3	6.7	5.7	6.7	6.0	6.7	7.3	7.0	5.7	6.0	6.0	6.5
PRIMARY (IS-PR 269)	6.3	8.0	7.3	6.0	6.3	5.7	7.3	7.0	6.7	4.3	6.7	6.3	6.5
PACESETTER II (PS-2)	6.0	8.0	7.3	6.7	5.3	6.0	7.3	6.7	6.3	4.7	7.3	6.0	6.5
DART (APR 1663)	6.0	8.0	7.0	5.0	6.0	6.0	7.7	7.0	6.7	7.3	5.3	5.7	6.5
KEYSTONE 2 (IS-PR 312)	6.7	8.0	7.0	5.7	6.7	5.7	7.3	7.0	6.7	3.7	6.3	6.7	6.4
REPELL GLS	5.7	8.0	8.0	5.0	5.7	6.7	7.3	6.3	7.0	5.3	6.0	6.3	6.4
RINGER II (O4-BEN)	5.3	8.0	7.0	5.7	6.3	6.3	7.7	7.0	6.0	5.0	6.7	6.0	6.4
DEFENDER (D04-UP)	5.7	8.0	7.0	6.0	6.3	6.3	7.0	6.7	7.0	4.3	6.3	6.3	6.4
E-99	6.0	7.7	7.3	5.7	6.0	6.3	6.3	6.7	7.0	4.7	6.3	6.7	6.4
D04-LP05	6.7	8.0	7.3	6.0	6.0	6.3	6.3	6.3	7.0	5.0	5.3	6.3	6.4
GOALKEEPER II (JR-114)	6.7	8.0	6.7	5.7	6.0	6.0	7.0	6.3	6.3	4.0	7.3	6.3	6.4
GRAND SLAM 2 (PST-2GSM)	5.3	8.0	7.0	5.3	5.7	6.0	7.3	7.0	6.3	4.7	6.3	7.3	6.4
PHENOM (APR 1660)	5.7	8.3	7.3	5.7	4.7	5.3	7.0	6.7	6.7	6.3	7.0	5.7	6.4
PINNACLE II	7.0	8.3	7.3	6.3	6.0	5.7	7.0	6.3	6.7	4.3	6.0	5.3	6.4
PROTOTYPE (DCM)	6.0	8.0	7.3	6.0	6.0	6.3	7.3	6.3	6.7	3.7	6.3	6.3	6.4
PST-2AG4	6.0	8.0	7.3	6.0	6.0	6.0	7.0	7.3	7.0	4.7	6.0	5.0	6.4
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.7	8.0	7.3	5.7	5.7	5.7	7.3	7.7	6.0	4.3	5.7	7.0	6.3
FOREVER (DP 17-9499)	6.7	8.0	7.3	6.3	4.7	5.7	7.7	7.0	6.7	5.0	6.0	5.0	6.3
HARRIER (SRX 4UP3)	6.7	7.7	7.3	6.0	6.0	6.0	7.0	6.3	7.0	4.0	6.3	5.7	6.3
1G SQUARED (APR 1664)	6.0	8.0	6.7	6.0	6.0	5.3	7.7	6.3	7.0	4.3	6.0	6.3	6.3
GRAY STAR (PST-2LGL)	6.0	8.0	7.0	5.3	5.7	6.3	7.0	6.7	6.3	5.3	6.0	6.0	6.3
NOTABLE (AF)	6.0	8.0	7.7	6.0	5.7	6.0	7.7	6.7	6.3	4.3	5.3	6.0	6.3
INSPIRE	6.3	8.0	7.3	6.0	5.3	6.0	7.7	6.3	6.0	4.3	6.0	6.0	6.3

TABLE 12. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	IL2	IN1	MA1	MD1	MI1	MO1	NE1	OR1	PA1	RI1	UT1	VA1	MEAN
LS 2300 (APR 1670)	5.0	8.0	7.0	6.0	5.0	5.7	7.3	6.3	6.0	5.3	6.7	7.0	6.3
MONTEREY 3 (JR-408)	7.0	8.0	6.7	5.0	6.0	6.3	6.7	6.7	6.3	3.0	6.7	7.0	6.3
BAR LP 4920	5.0	8.0	7.0	6.0	6.0	5.7	7.0	6.0	6.7	5.0	6.3	6.7	6.3
ACCENT II (JR-119)	7.0	7.3	6.3	5.0	6.3	6.3	7.0	6.3	5.7	6.0	6.0	5.7	6.3
CITATION FORE	5.3	7.7	7.3	4.7	6.3	6.3	6.3	6.7	6.7	5.3	6.0	6.3	6.3
MANHATTAN 5 GLR (PST-2AM)	5.0	8.0	6.3	5.3	6.3	5.7	7.0	7.3	6.3	5.3	5.7	6.3	6.2
TRANSFORMER (D04-1667)	5.0	8.0	7.3	5.3	5.7	6.7	8.0	7.0	7.0	3.7	5.0	6.0	6.2
PIZZAZZ	6.7	7.3	6.7	6.0	5.0	5.3	7.7	7.0	6.7	3.7	6.7	5.7	6.2
PST-217	5.0	8.0	7.3	5.3	5.3	5.7	7.0	7.0	6.7	4.7	6.3	6.0	6.2
BACCARAT (RAD-PR8)	5.7	8.7	6.7	5.3	5.0	5.7	6.3	7.0	6.3	5.3	6.3	5.3	6.1
BARLENNIUM	5.7	7.3	7.0	5.0	5.7	6.3	7.0	6.0	5.7	5.7	5.7	6.3	6.1
PENTIUM	5.0	7.3	6.7	5.0	5.0	6.3	7.3	7.0	5.7	4.3	6.0	6.7	6.0
PIANIST (DP 17-9505)	5.7	7.7	7.3	5.3	5.3	5.7	7.3	7.0	6.0	4.0	6.3	4.7	6.0
PALMER III	5.0	8.3	7.0	5.0	5.7	5.7	7.0	6.3	5.7	5.7	5.3	5.3	6.0
PLATEAU (PST-2LAN)	4.7	7.3	6.7	5.0	6.0	5.3	7.0	7.0	5.3	4.3	6.0	6.7	5.9
CADDIESHACK II (JR-163)	5.7	8.0	6.3	5.0	5.3	6.0	7.0	6.7	5.7	3.3	6.3	6.0	5.9
SECRETARIAT II GLSR (LTP-101-GLSR)	4.3	7.7	7.0	6.0	5.0	5.0	7.3	7.3	5.3	4.0	6.0	6.3	5.9
BRIGHTSTAR SLT	4.7	8.0	6.7	5.0	6.0	5.7	7.3	6.3	5.0	4.3	5.7	6.3	5.9
PREMIER II	5.0	7.3	7.0	4.7	5.3	5.3	7.0	6.0	5.7	4.3	6.3	5.7	5.8
SRX 4682	5.3	7.7	6.3	5.0	5.7	5.3	6.7	6.3	5.3	3.3	5.3	6.0	5.7
BAR LP 4317	4.7	7.7	6.0	5.0	6.0	5.7	6.7	6.0	5.0	4.3	5.3	5.7	5.7
DP 17-9788	4.3	7.0	6.0	4.0	5.7	5.3	7.3	6.3	5.0	5.0	5.7	5.3	5.6
PANTHER	4.0	6.7	5.3	4.3	4.3	5.3	6.7	5.7	4.7	3.7	5.7	5.0	5.1
LPR 02203	3.0	6.0	5.0	4.0	5.3	4.0	6.7	5.7	4.0	3.0	4.7	4.7	4.7
PREMIER	2.3	6.7	5.0	3.3	4.3	4.0	6.0	5.3	4.0	3.0	4.0	6.0	4.5
PINNACLE	2.0	6.0	4.7	3.0	4.3	4.0	7.3	5.3	4.0	2.7	4.0	6.3	4.5
AFFINITY	2.7	6.3	5.7	3.0	4.3	3.7	6.7	5.3	3.3	3.7	4.0	4.7	4.4
LINN	1.0	7.0	4.0	2.0	3.0	3.0	5.7	5.0	2.0	3.0	2.7	3.7	3.5
LSD VALUE	1.0	0.7	1.0	0.7	1.7	1.0	1.3	0.9	1.1	2.1	1.5	1.4	0.4
C.V. (%)	9.5	5.8	8.2	6.8	18.5	10.5	10.8	8.0	9.7	26.4	14.2	14.5	12.0

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.

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
 2009 DATA

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

NAME	IL1	IL2	KY1	MA1	MI1	NE1	NY1	UT1	WI1	MEAN
BACCARAT (RAD-PR8)	6.0	4.3	7.0	4.7	5.7	8.0	4.0	7.3	8.7	6.2
PALMER V (RNS)	5.0	4.0	7.3	6.0	6.7	6.0	4.7	7.0	8.7	6.1
CHIVALRY (APR 1648)	6.3	4.7	6.3	3.7	7.0	6.0	5.0	7.3	8.7	6.1
SILVER DOLLAR	6.0	5.0	6.7	5.0	6.3	6.0	5.0	6.7	8.3	6.1
EXACTA II GLSR (LTP-611-GLSR)	5.7	5.0	7.3	4.7	6.7	6.0	4.3	6.0	9.0	6.1
SR 4600 (SRX 4SP)	5.3	4.7	7.7	5.3	6.0	5.0	5.0	7.0	8.7	6.1
ZOOM (LCK)	6.0	4.0	7.3	6.0	5.3	6.3	4.7	7.0	8.0	6.1
FOREVER (DP 17-9499)	5.0	5.3	7.7	3.7	6.3	7.0	4.3	6.7	8.3	6.0
ES45	6.3	5.7	7.0	5.0	5.7	5.7	4.3	5.3	9.0	6.0
CITATION FORE	6.0	4.7	6.3	4.7	6.3	5.7	4.0	7.3	9.0	6.0
TRANSFORMER (D04-1667)	6.0	3.7	7.7	3.7	6.0	6.3	4.7	7.0	9.0	6.0
PARAGON GLR	6.3	5.0	7.7	5.0	6.0	5.7	4.0	6.7	7.7	6.0
UNO (D04-11T)	5.3	6.0	7.0	4.3	5.7	6.0	5.0	6.0	8.7	6.0
FIESTA 4 (PICK F4)	5.3	6.0	7.7	4.7	6.0	5.0	4.7	6.0	8.3	6.0
MMW	6.0	4.0	8.0	4.7	5.3	6.3	4.3	6.3	8.7	6.0
ATTRIBUTE (IS-PR 270)	6.3	4.3	7.7	4.0	5.3	6.0	5.0	7.0	8.0	6.0
PALMER IV	6.3	3.3	7.3	4.0	6.0	7.0	4.7	6.7	8.3	6.0
MANHATTAN 5 GLR (PST-2AM)	6.0	4.0	6.7	5.3	6.3	5.0	5.0	6.7	8.7	6.0
PLEASURE SUPREME (PM 103)	5.0	4.3	7.3	4.7	6.3	6.0	5.0	6.3	8.3	5.9
PRIMARY (IS-PR 269)	6.3	5.7	7.0	3.7	5.3	6.0	4.7	6.7	8.0	5.9
MACH I	5.7	4.3	6.7	5.0	5.3	6.0	5.3	6.0	8.7	5.9
NEXUS XD (SP4)	6.7	5.0	6.7	4.3	6.3	6.0	4.3	5.0	8.7	5.9
WIND DANCE 2 (PWDR)	6.0	3.7	7.0	5.3	6.3	6.3	4.0	5.7	8.7	5.9
KEYSTONE 2 (IS-PR 312)	6.0	3.7	7.3	4.3	5.7	6.3	5.0	6.0	8.3	5.9
BUENA VISTA	6.0	4.0	7.3	3.7	5.0	6.3	5.0	6.7	8.7	5.9
DERBY XTREME (IS-PR 268)	5.0	6.7	7.0	4.0	4.7	4.7	5.0	7.0	8.7	5.9
NOTABLE (AF)	6.3	3.7	7.7	3.3	6.7	6.3	4.3	5.7	8.7	5.9
ASP6004 (EXS54)	5.3	3.7	7.3	5.0	6.0	5.7	4.7	6.3	8.3	5.8
INSPIRE	5.7	3.7	7.0	5.3	5.0	5.3	4.7	7.3	8.3	5.8
SECRETARIAT II GLSR (LTP-101-GLSR)	6.0	4.0	6.7	4.7	5.0	6.3	4.7	7.0	8.0	5.8
FIREBOLT (PRG HS-01-09)	6.7	3.7	7.0	4.3	6.0	5.7	4.7	5.3	8.7	5.8
MAJESTY II (VB77)	6.3	3.0	7.3	5.3	5.0	6.3	5.0	5.7	8.0	5.8
PALMER III	6.0	2.7	7.7	4.3	5.7	7.0	3.7	6.3	8.7	5.8
APPLE GL (AAZ-B104)	6.0	3.7	7.7	4.7	4.7	5.7	5.0	6.0	8.3	5.7
LS 2300 (APR 1670)	6.0	4.0	7.0	4.0	4.7	6.3	4.3	7.0	8.3	5.7
PALACE (IS-PR 273)	6.0	4.0	7.7	4.0	5.0	5.7	4.3	6.3	8.7	5.7
PINNACLE II	6.3	5.3	6.7	3.7	5.0	6.3	4.0	6.3	8.0	5.7
1G SQUARED (APR 1664)	6.0	2.3	7.3	4.3	6.3	5.0	4.7	7.0	8.7	5.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	4.7	6.3	5.7	5.3	5.0	5.0	6.0	7.7	5.7
LINE DRIVE GLS (APR 1797)	6.0	3.7	7.0	5.0	5.7	5.0	5.3	6.0	8.0	5.7
PANTHER GLS	6.0	2.3	7.0	4.0	7.0	5.7	5.3	6.7	7.7	5.7
PST-2AG4	5.7	3.3	6.7	6.0	5.0	6.3	4.7	5.3	8.7	5.7
REPELL GLS	6.3	2.7	6.3	4.7	6.0	6.0	4.7	6.7	8.3	5.7
AMAZING GS (IS-PR 276)	6.0	4.0	7.7	4.3	5.0	5.7	4.3	6.0	8.3	5.7
CABO II (IS-PR 233)	5.7	4.0	6.7	3.7	5.3	5.7	5.0	6.3	9.0	5.7

TABLE 13. (CONT'D)

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
 2009 DATA

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

NAME	IL1	IL2	KY1	MA1	MI1	NE1	NY1	UT1	WI1	MEAN
EDGE II (AC2)	5.3	4.7	7.0	5.0	5.0	6.0	4.3	5.3	8.7	5.7
PIZZAZZ	6.3	4.3	5.7	3.3	6.7	5.3	4.7	6.7	8.3	5.7
PREMIER II	5.3	5.3	4.3	4.3	5.7	6.3	4.0	7.3	8.7	5.7
RINGER II (04-BEN)	5.3	5.0	5.0	4.3	5.7	6.7	4.7	6.0	8.7	5.7
E-99	5.7	3.3	6.7	4.7	5.7	4.7	4.7	7.0	8.7	5.7
OVERDRIVE	5.7	2.0	7.3	5.0	5.7	5.7	4.7	6.3	8.7	5.7
PALMER GLS (GL-2)	5.7	2.7	8.0	3.7	6.3	5.7	5.0	5.0	9.0	5.7
PROTEGE GLR	5.7	4.7	7.7	3.7	6.0	4.3	5.0	5.7	8.3	5.7
TOP GUN II (JR-324)	6.0	4.0	7.7	4.7	4.7	5.3	5.0	5.7	8.0	5.7
DP 17-9788	5.3	3.3	6.3	4.0	6.0	6.3	4.3	6.7	8.7	5.7
PANTHER	6.3	3.0	4.3	5.3	5.7	6.7	4.3	6.7	8.7	5.7
ASP6006 (LPFG)	6.3	4.3	6.0	4.3	4.3	5.3	5.0	6.7	8.7	5.7
CALYPSO 3 (MS2)	5.7	3.3	7.0	5.7	5.7	5.3	4.7	5.7	7.7	5.6
CUTTER II (PM 101)	5.7	2.7	6.7	5.0	5.0	5.7	5.0	6.3	8.7	5.6
DEFENDER (D04-UP)	5.7	4.0	7.0	5.0	4.7	5.0	4.3	6.0	9.0	5.6
FUSION	5.7	4.3	5.7	4.7	5.3	6.0	5.0	5.7	8.3	5.6
PLATEAU (PST-2LAN)	5.0	4.0	6.7	4.7	5.7	5.7	4.3	6.0	8.7	5.6
PROTOTYPE (DCM)	5.7	3.3	7.3	3.7	5.7	6.0	4.3	6.0	8.7	5.6
STELLAR GL (IS-PR 236)	5.3	5.3	7.3	3.3	6.0	5.3	4.0	5.7	8.3	5.6
ASP6001 (RTS)	6.7	3.3	5.7	5.0	5.3	5.7	4.7	5.3	8.7	5.6
ASP6005 (AJM)	5.7	2.0	5.7	5.7	5.3	7.0	4.7	6.0	8.3	5.6
HOMERUN (RG3P)	5.7	4.0	7.7	4.7	4.7	5.0	5.3	5.7	7.7	5.6
SOPRANO (DP1)	6.0	5.0	7.3	4.0	5.7	4.7	4.0	6.3	7.3	5.6
VB99	5.3	2.0	6.7	4.7	5.7	6.3	4.3	6.3	9.0	5.6
TR47	6.3	4.3	7.0	5.0	5.0	5.3	4.7	4.7	8.0	5.6
ACCENT II (JR-119)	4.3	3.7	6.7	4.3	6.0	5.3	4.7	6.7	8.3	5.6
BAR LP 4420	5.3	4.0	7.0	4.0	5.3	5.3	4.3	6.3	8.3	5.6
CADDIESHACK II (JR-163)	5.3	2.7	7.0	5.3	5.3	5.3	4.3	6.3	8.3	5.6
GRAY FOX (PST-2MNG)	5.7	4.3	6.3	4.7	3.7	6.7	4.7	6.3	7.7	5.6
KOKOMO II (IS-PR 235)	5.7	4.0	7.3	3.0	6.0	5.7	4.3	5.3	8.7	5.6
PIANIST (DP 17-9505)	5.7	4.0	6.0	4.3	5.3	5.3	4.3	6.0	9.0	5.6
BREA (04-BRE)	5.0	3.7	7.3	4.7	5.0	5.3	4.7	5.7	8.7	5.6
HARRIER (SRX 4UP3)	4.7	4.0	6.3	4.0	6.0	6.0	4.3	6.3	8.0	5.5
ALLSTAR 3 (IS-PR 274)	5.7	3.0	7.0	4.7	5.3	5.7	4.7	5.7	8.0	5.5
PM 102	6.0	3.7	4.7	4.3	6.3	5.7	4.3	5.7	9.0	5.5
PRESIDIO (CNV)	5.0	4.7	6.0	4.7	5.3	5.3	4.0	5.7	9.0	5.5
BARLENNIUM	5.7	4.7	4.0	5.0	4.7	5.3	4.3	7.0	8.7	5.5
D04-LP05	4.7	3.7	7.0	4.0	6.3	6.7	3.7	5.3	8.0	5.5
NEXUS XR (SNR)	5.7	4.0	6.0	4.0	5.0	5.7	4.7	5.3	9.0	5.5
PENTIUM	5.7	3.3	6.3	4.7	5.3	5.7	4.3	6.3	7.7	5.5
REGAL 5 (IS-PR 271)	6.0	3.3	6.0	4.0	5.0	6.0	4.0	6.7	8.3	5.5
REVENGE GLX (JR-348)	5.7	4.0	6.7	3.0	6.0	4.7	4.3	6.3	8.7	5.5
BAR LP 4317	5.3	3.3	6.3	4.3	5.7	6.0	5.0	5.7	7.7	5.5
PST-217	5.7	1.3	7.0	5.3	4.7	5.3	5.3	6.0	8.7	5.5
PST-2BLK	5.7	2.3	8.0	4.3	4.7	5.3	4.7	5.7	8.7	5.5
DASHER 3 (PICK RB-1)	5.0	2.0	8.0	4.3	5.3	6.3	4.3	5.3	8.3	5.4

TABLE 13. (CONT'D)

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
 2009 DATA

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

NAME	IL1	IL2	KY1	MA1	MI1	NE1	NY1	UT1	WI1	MEAN
GALATTI (DP 17-9502)	5.7	2.3	6.7	3.3	5.0	6.3	5.3	5.3	9.0	5.4
HAWKEYE 2 (SRX 4692)	4.7	4.0	7.0	3.7	6.3	5.3	4.0	5.7	8.3	5.4
LA QUINTA (JR-255)	6.0	3.7	6.3	4.3	5.0	5.7	4.0	6.0	8.0	5.4
AFFINITY	4.7	4.0	5.3	4.0	6.0	5.7	3.7	7.3	8.0	5.4
ASP6002 (BPR)	5.3	3.3	6.0	4.7	5.0	5.0	4.3	6.0	9.0	5.4
FIJI (GPR)	6.3	2.7	6.7	4.3	4.3	5.7	4.3	5.7	8.7	5.4
MONTEREY 3 (JR-408)	4.7	2.7	7.0	4.3	6.0	5.3	4.7	5.7	8.3	5.4
DART (APR 1663)	5.7	3.0	7.0	4.3	4.0	5.7	4.7	6.0	8.0	5.4
PINNACLE	4.7	3.0	4.3	5.0	5.7	5.7	3.3	7.7	9.0	5.4
SRX 4682	5.3	4.0	6.7	4.7	4.7	4.3	4.3	6.3	8.0	5.4
BAR LP 4920	4.7	3.3	4.0	4.3	4.7	7.0	4.0	7.0	9.0	5.3
GRAY STAR (PST-2LGL)	5.0	3.0	7.0	4.3	5.3	5.0	4.3	5.3	8.7	5.3
HALO (KN42)	5.3	3.0	4.7	4.3	6.3	6.0	4.0	5.3	9.0	5.3
HEADSTART 2	5.7	2.7	7.0	3.3	6.0	4.3	5.0	5.0	9.0	5.3
LPR 02203	4.7	3.0	2.7	5.3	6.0	7.0	4.3	6.3	8.7	5.3
PREMIER	5.0	2.7	5.0	5.0	5.7	6.0	4.0	6.3	8.3	5.3
GRAND SLAM 2 (PST-2GSM)	5.0	2.3	6.7	5.0	4.7	5.0	4.3	6.7	8.0	5.3
PACESETTER II (PS-2)	6.3	4.3	3.3	4.0	6.0	5.0	4.7	5.0	8.7	5.3
WAYFARER (L44)	6.7	1.3	5.3	4.3	5.3	5.7	4.0	5.7	9.0	5.3
ASP6003 (TRS)	5.3	3.0	5.3	4.3	5.3	5.3	4.7	5.3	8.3	5.2
PICK 02-R	5.0	3.7	3.7	5.0	5.3	7.3	4.3	4.3	8.3	5.2
PHENOM (APR 1660)	6.0	4.3	6.7	3.7	4.0	6.0	4.3	5.3	6.3	5.2
GOALKEEPER II (JR-114)	6.0	3.0	5.7	4.7	5.3	4.7	4.7	4.7	8.0	5.2
QUICKSILVER	4.3	3.0	4.0	4.7	5.7	6.3	4.7	5.0	9.0	5.2
SUNSHINE 2	5.0	3.0	6.0	4.7	3.3	5.7	4.0	6.3	8.7	5.2
DELAWARE XL (PICK 01-2)	5.0	3.3	6.3	5.0	4.3	5.3	4.0	5.3	7.7	5.1
BRIGHTSTAR SLT	5.0	2.0	3.3	4.7	5.7	5.7	4.7	6.3	8.7	5.1
LINN	2.0	2.3	1.7	3.7	4.0	5.3	3.3	7.0	8.0	4.1
LSD VALUE	1.2	1.6	2.3	1.3	1.9	1.9	1.2	1.5	1.4	0.5
C.V. (%)	13.1	27.1	22.3	18.1	21.2	20.7	16.9	15.5	10.2	18.1

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 14. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	MI1	NAME	MI1
ACCENT II (JR-119)	7.0	GRAND SLAM 2 (PST-2GSM)	6.3
BACCARAT (RAD-PR8)	7.0	HARRIER (SRX 4UP3)	6.3
ES45	7.0	LS 2300 (APR 1670)	6.3
FIREBOLT (PRG HS-01-09)	7.0	MACH I	6.3
PARAGON GLR	7.0	NEXUS XD (SP4)	6.3
PM 102	7.0	NEXUS XR (SNR)	6.3
STELLAR GL (IS-PR 236)	7.0	NOTABLE (AF)	6.3
ZOOM (LCK)	7.0	PIZZAZZ	6.3
ASP6003 (TRS)	6.7	PLATEAU (PST-2LAN)	6.3
ASP6006 (LPFG)	6.7	PLEASURE SUPREME (PM 103)	6.3
BAR LP 4317	6.7	PRESIDIO (CNV)	6.3
CALYPSO 3 (MS2)	6.7	PROTEGE GLR	6.3
CUTTER II (PM 101)	6.7	PROTOTYPE (DCM)	6.3
E-99	6.7	REGAL 5 (IS-PR 271)	6.3
EDGE II (AC2)	6.7	REPELL GLS	6.3
EXACTA II GLSR (LTP-611-GLSR)	6.7	REVENGE GLX (JR-348)	6.3
FIESTA 4 (PICK F4)	6.7	RINGER II (04-BEN)	6.3
FIJI (GPR)	6.7	SRX 4682	6.3
HALO (KN42)	6.7	WAYFARER (L44)	6.3
LINE DRIVE GLS (APR 1797)	6.7	AMAZING GS (IS-PR 276)	6.0
MANHATTAN 5 GLR (PST-2AM)	6.7	ASP6004 (EXS54)	6.0
PACESETTER II (PS-2)	6.7	BAR LP 4920	6.0
PALMER GLS (GL-2)	6.7	BREA (04-BRE)	6.0
PALMER IV	6.7	DELAWARE XL (PICK 01-2)	6.0
PALMER V (RNS)	6.7	DP 17-9788	6.0
PANTHER GLS	6.7	FUSION	6.0
PICK 02-R	6.7	GOALKEEPER II (JR-114)	6.0
SUNSHINE 2	6.7	GRAY FOX (PST-2MNG)	6.0
TOP GUN II (JR-324)	6.7	GRAY STAR (PST-2LGL)	6.0
TR47	6.7	HAWKEYE 2 (SRX 4692)	6.0
TRANSFORMER (D04-1667)	6.7	HOMERUN (RG3P)	6.0
VB99	6.7	KOKOMO II (IS-PR 235)	6.0
1G SQUARED (APR 1664)	6.3	MAJESTY II (VB77)	6.0
ALLSTAR 3 (IS-PR 274)	6.3	MMW	6.0
APPLE GL (AAZ-B104)	6.3	MONTEREY 3 (JR-408)	6.0
CHIVALRY (APR 1648)	6.3	OVERDRIVE	6.0
ASP6001 (RTS)	6.3	PALACE (IS-PR 273)	6.0
ASP6002 (BPR)	6.3	PENTIUM	6.0
BAR LP 4420	6.3	PRIMARY (IS-PR 269)	6.0
BARLENNIUM	6.3	PST-217	6.0
BUENA VISTA	6.3	PST-2AG4	6.0
CABO II (IS-PR 233)	6.3	PST-2BLK	6.0
D04-LP05	6.3	SILVER DOLLAR	6.0
DEFENDER (D04-UP)	6.3	SR 4600 (SRX 4SP)	6.0
FOREVER (DP 17-9499)	6.3	UNO (D04-11T)	6.0
		WIND DANCE 2 (PWDR)	6.0

TABLE 14. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

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

NAME	MI1
ASP6005 (AJM)	5.7
ATTRIBUTE (IS-PR 270)	5.7
BRIGHTSTAR SLT	5.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.7
DASHER 3 (PICK RB-1)	5.7
DERBY XTREME (IS-PR 268)	5.7
GALATTI (DP 17-9502)	5.7
HEADSTART 2	5.7
KEYSTONE 2 (IS-PR 312)	5.7
LA QUINTA (JR-255)	5.7
LPR 02203	5.7
PALMER III	5.7
QUICKSILVER	5.7
SECRETARIAT II GLSR (LTP-101-GLSR)	5.7
CADDIESHACK II (JR-163)	5.3
CITATION FORE	5.3
PANTHER	5.3
PIANIST (DP 17-9505)	5.3
PINNACLE	5.3
PINNACLE II	5.3
PREMIER II	5.3
DART (APR 1663)	5.0
INSPIRE	5.0
SOPRANO (DP1)	5.0
PHENOM (APR 1660)	4.7
PREMIER	4.7
AFFINITY	4.3
LINN	4.0
LSD VALUE	1.3
C.V. (%)	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 15.

 SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
 2009 DATA

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

NAME	MI1	NE1	MEAN	NAME	MI1	NE1	MEAN
PM 102	7.3	8.0	7.7	MAJESTY II (VB77)	5.3	8.3	6.8
PST-2AG4	6.7	8.3	7.5	MMW	6.7	7.0	6.8
FOREVER (DP 17-9499)	6.7	8.0	7.3	PINNACLE II	5.7	8.0	6.8
LPR 02203	6.3	8.3	7.3	PLATEAU (PST-2LAN)	6.0	7.7	6.8
ZOOM (LCK)	6.7	8.0	7.3	PROTEGE GLR	7.0	6.7	6.8
AMAZING GS (IS-PR 276)	6.7	7.7	7.2	PST-2BLK	6.0	7.7	6.8
CALYPSO 3 (MS2)	6.7	7.7	7.2	RINGER II (04-BEN)	6.7	7.0	6.8
GALATTI (DP 17-9502)	6.7	7.7	7.2	SECRETARIAT II GLSR (LTP-101-GLSR)	5.7	8.0	6.8
LINE DRIVE GLS (APR 1797)	6.7	7.7	7.2	SRX 4682	6.0	7.7	6.8
NOTABLE (AF)	6.7	7.7	7.2	CHIVALRY (APR 1648)	6.3	7.3	6.8
PROTOTYPE (DCM)	6.7	7.7	7.2	ASP6002 (BPR)	6.3	7.3	6.8
REGAL 5 (IS-PR 271)	6.7	7.7	7.2	ASP6003 (TRS)	6.3	7.3	6.8
TOP GUN II (JR-324)	6.7	7.7	7.2	ASP6004 (EXS54)	6.3	7.3	6.8
UNO (D04-11T)	6.7	7.7	7.2	CUTTER II (PM 101)	6.3	7.3	6.8
1G SQUARED (APR 1664)	7.0	7.3	7.2	GRAY FOX (PST-2MNG)	6.3	7.3	6.8
EDGE II (AC2)	6.3	8.0	7.2	KOKOMO II (IS-PR 235)	6.3	7.3	6.8
MANHATTAN 5 GLR (PST-2AM)	6.3	8.0	7.2	REVENGE GLX (JR-348)	6.3	7.3	6.8
PALMER IV	7.0	7.3	7.2	SOPRANO (DP1)	6.3	7.3	6.8
PALMER V (RNS)	7.0	7.3	7.2	VB99	6.3	7.3	6.8
PLEASURE SUPREME (PM 103)	6.3	8.0	7.2	ASP6005 (AJM)	5.7	7.7	6.7
SILVER DOLLAR	6.3	8.0	7.2	FIJI (GPR)	5.7	7.7	6.7
AFFINITY	6.3	7.7	7.0	NEXUS XD (SP4)	5.7	7.7	6.7
ATTRIBUTE (IS-PR 270)	6.3	7.7	7.0	PRIMARY (IS-PR 269)	6.7	6.7	6.7
BRIGHTSTAR SLT	6.0	8.0	7.0	ALLSTAR 3 (IS-PR 274)	6.0	7.3	6.7
CITATION FORE	6.3	7.7	7.0	ES45	6.3	7.0	6.7
D04-LP05	6.7	7.3	7.0	FUSION	6.0	7.3	6.7
DELAWARE XL (PICK 01-2)	6.7	7.3	7.0	GOALKEEPER II (JR-114)	6.0	7.3	6.7
DERBY XTREME (IS-PR 268)	6.3	7.7	7.0	MONTEREY 3 (JR-408)	6.3	7.0	6.7
DP 17-9788	6.0	8.0	7.0	PENTIUM	6.3	7.0	6.7
EXACTA II GLSR (LTP-611-GLSR)	7.0	7.0	7.0	PICK 02-R	6.0	7.3	6.7
FIREBOLT (PRG HS-01-09)	6.3	7.7	7.0	PINNACLE	6.3	7.0	6.7
HARRIER (SRX 4UP3)	6.7	7.3	7.0	PIZZAZZ	6.3	7.0	6.7
HAWKEYE 2 (SRX 4692)	6.3	7.7	7.0	REPELL GLS	6.0	7.3	6.7
LS 2300 (APR 1670)	6.3	7.7	7.0	STELLAR GL (IS-PR 236)	6.3	7.0	6.7
PALMER III	6.3	7.7	7.0	TR47	6.0	7.3	6.7
PANTHER	6.0	8.0	7.0	ACCENT II (JR-119)	6.0	7.0	6.5
PIANIST (DP 17-9505)	6.0	8.0	7.0	APPLE GL (AAZ-B104)	6.0	7.0	6.5
PREMIER II	6.3	7.7	7.0	ASP6006 (LPFG)	6.0	7.0	6.5
PRESIDIO (CNV)	6.0	8.0	7.0	BARLENNIUM	5.3	7.7	6.5
SR 4600 (SRX 4SP)	6.3	7.7	7.0	BREA (04-BRE)	6.0	7.0	6.5
BACCARAT (RAD-PR8)	6.0	7.7	6.8	BUENA VISTA	6.0	7.0	6.5
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	7.7	6.8	CABO II (IS-PR 233)	6.0	7.0	6.5
DEFENDER (D04-UP)	6.7	7.0	6.8	CADDIESHACK II (JR-163)	6.0	7.0	6.5
FIESTA 4 (PICK F4)	6.0	7.7	6.8	DASHER 3 (PICK RB-1)	6.3	6.7	6.5
LA QUINTA (JR-255)	5.7	8.0	6.8	E-99	6.3	6.7	6.5
				GRAY STAR (PST-2LGL)	6.3	6.7	6.5

TABLE 15. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

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

NAME	MI1	NE1	MEAN
HOMERUN (RG3P)	6.0	7.0	6.5
INSPIRE	5.7	7.3	6.5
KEYSTONE 2 (IS-PR 312)	6.0	7.0	6.5
MACH I	6.3	6.7	6.5
PACESETTER II (PS-2)	6.3	6.7	6.5
PALMER GLS (GL-2)	6.3	6.7	6.5
PHENOM (APR 1660)	5.7	7.3	6.5
PREMIER	5.7	7.3	6.5
PST-217	6.0	7.0	6.5
QUICKSILVER	5.3	7.7	6.5
TRANSFORMER (D04-1667)	5.7	7.3	6.5
ASP6001 (RTS)	5.7	7.0	6.3
BAR LP 4317	6.0	6.7	6.3
BAR LP 4920	5.7	7.0	6.3
GRAND SLAM 2 (PST-2GSM)	5.7	7.0	6.3
PALACE (IS-PR 273)	5.7	7.0	6.3
PANTHER GLS	6.0	6.7	6.3
SUNSHINE 2	5.0	7.7	6.3
NEXUS XR (SNR)	5.3	7.3	6.3
OVERDRIVE	6.3	6.3	6.3
PARAGON GLR	6.3	6.3	6.3
HEADSTART 2	5.7	6.7	6.2
WAYFARER (L44)	5.7	6.7	6.2
DART (APR 1663)	5.0	7.3	6.2
WIND DANCE 2 (PWDR)	5.3	7.0	6.2
BAR LP 4420	5.3	6.7	6.0
HALO (KN42)	6.0	5.7	5.8
LINN	4.3	6.0	5.2
LSD VALUE	1.4	1.4	1.0
C.V. (%)	13.9	11.8	12.8

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

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

TABLE 16.

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	IN1	NE1	MEAN	NAME	IN1	NE1	MEAN
SOPRANO (DP1)	8.7	8.7	8.7	ASP6005 (AJM)	7.7	8.0	7.8
CHIVALRY (APR 1648)	8.3	8.3	8.3	ASP6006 (LPFG)	7.7	8.0	7.8
PIZZAZZ	8.3	8.3	8.3	ATTRIBUTE (IS-PR 270)	7.7	8.0	7.8
ZOOM (LCK)	8.3	8.3	8.3	BACCARAT (RAD-PR8)	7.7	8.0	7.8
GRAY FOX (PST-2MNG)	8.0	8.7	8.3	BAR LP 4317	7.7	8.0	7.8
PROTOTYPE (DCM)	8.0	8.7	8.3	BARLENNIUM	7.7	8.0	7.8
STELLAR GL (IS-PR 236)	8.0	8.7	8.3	BREA (O4-BRE)	7.3	8.3	7.8
ASP6004 (EXS54)	8.3	8.0	8.2	CABO II (IS-PR 233)	8.0	7.7	7.8
BAR LP 4420	8.0	8.3	8.2	CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	8.0	7.8
CUTTER II (PM 101)	8.0	8.3	8.2	DELAWARE XL (PICK 01-2)	7.7	8.0	7.8
DASHER 3 (PICK RB-1)	8.3	8.0	8.2	DERBY XTREME (IS-PR 268)	8.0	7.7	7.8
EDGE II (AC2)	8.0	8.3	8.2	E-99	7.7	8.0	7.8
GALATTI (DP 17-9502)	8.0	8.3	8.2	FIESTA 4 (PICK F4)	7.7	8.0	7.8
KOKOMO II (IS-PR 235)	8.0	8.3	8.2	FIJI (GPR)	7.7	8.0	7.8
MAJESTY II (VB77)	8.0	8.3	8.2	FIREBOLT (PRG HS-01-09)	7.7	8.0	7.8
PICK 02-R	8.0	8.3	8.2	GRAND SLAM 2 (PST-2GSM)	7.7	8.0	7.8
RINGER II (O4-BEN)	8.0	8.3	8.2	HAWKEYE 2 (SRX 4692)	7.3	8.3	7.8
INSPIRE	7.7	8.7	8.2	HOMERUN (RG3P)	8.0	7.7	7.8
MONTEREY 3 (JR-408)	7.7	8.7	8.2	LA QUINTA (JR-255)	8.0	7.7	7.8
PROTEGE GLR	7.3	9.0	8.2	PALACE (IS-PR 273)	8.0	7.7	7.8
REVENGE GLX (JR-348)	7.7	8.7	8.2	PANTHER GLS	8.0	7.7	7.8
TR47	7.7	8.7	8.2	PINNACLE II	7.7	8.0	7.8
1G SQUARED (APR 1664)	7.3	8.7	8.0	PREMIER II	7.7	8.0	7.8
ACCENT II (JR-119)	8.0	8.0	8.0	PRIMARY (IS-PR 269)	7.7	8.0	7.8
BAR LP 4920	8.0	8.0	8.0	PST-2AG4	7.7	8.0	7.8
LPR 02203	8.0	8.0	8.0	PST-2BLK	7.7	8.0	7.8
LS 2300 (APR 1670)	8.0	8.0	8.0	SR 4600 (SRX 4SP)	8.0	7.7	7.8
NEXUS XR (SNR)	7.3	8.7	8.0	SUNSHINE 2	7.7	8.0	7.8
NOTABLE (AF)	8.0	8.0	8.0	TRANSFORMER (D04-1667)	7.7	8.0	7.8
OVERDRIVE	8.0	8.0	8.0	UNO (D04-11T)	8.0	7.7	7.8
PALMER GLS (GL-2)	7.7	8.3	8.0	WIND DANCE 2 (PWDR)	7.7	8.0	7.8
PALMER IV	7.3	8.7	8.0	MMW	7.0	8.7	7.8
PARAGON GLR	7.7	8.3	8.0	D04-LP05	7.7	7.7	7.7
PENTIUM	7.3	8.7	8.0	HALO (KN42)	7.0	8.3	7.7
PHENOM (APR 1660)	8.0	8.0	8.0	HEADSTART 2	7.0	8.3	7.7
PLEASURE SUPREME (PM 103)	7.7	8.3	8.0	KEYSTONE 2 (IS-PR 312)	7.7	7.7	7.7
PRESIDIO (CNV)	7.7	8.3	8.0	PINNACLE	7.0	8.3	7.7
REGAL 5 (IS-PR 271)	8.0	8.0	8.0	PREMIER	7.0	8.3	7.7
REPELL GLS	8.0	8.0	8.0	WAYFARER (L44)	7.0	8.3	7.7
SILVER DOLLAR	8.0	8.0	8.0	APPLE GL (AAZ-B104)	7.3	8.0	7.7
TOP GUN II (JR-324)	8.0	8.0	8.0	ASP6001 (RTS)	7.3	8.0	7.7
VB99	7.3	8.7	8.0	BRIGHTSTAR SLT	7.3	8.0	7.7
ALLSTAR 3 (IS-PR 274)	7.7	8.0	7.8	CALYPSO 3 (MS2)	7.3	8.0	7.7
AMAZING GS (IS-PR 276)	8.0	7.7	7.8	CITATION FORE	7.3	8.0	7.7
ASP6003 (TRS)	7.7	8.0	7.8	DART (APR 1663)	7.3	8.0	7.7
				DEFENDER (D04-UP)	7.3	8.0	7.7

TABLE 16. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

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

NAME	IN1	NE1	MEAN
EXACTA II GLSR (LTP-611-GLSR)	7.3	8.0	7.7
MANHATTAN 5 GLR (PST-2AM)	7.3	8.0	7.7
NEXUS XD (SP4)	7.3	8.0	7.7
PANTHER	7.3	8.0	7.7
PLATEAU (PST-2LAN)	7.3	8.0	7.7
PST-217	7.3	8.0	7.7
AFFINITY	7.0	8.0	7.5
ASP6002 (BPR)	7.0	8.0	7.5
CADDIESHACK II (JR-163)	7.7	7.3	7.5
FUSION	7.3	7.7	7.5
GOALKEEPER II (JR-114)	7.0	8.0	7.5
GRAY STAR (PST-2LGL)	7.3	7.7	7.5
HARRIER (SRX 4UP3)	7.3	7.7	7.5
LINE DRIVE GLS (APR 1797)	7.3	7.7	7.5
MACH I	6.7	8.3	7.5
PALMER III	7.3	7.7	7.5
PALMER V (RNS)	7.0	8.0	7.5
SECRETARIAT II GLSR (LTP-101-GLSR)	7.7	7.3	7.5
DP 17-9788	6.7	8.0	7.3
FOREVER (DP 17-9499)	6.7	8.0	7.3
QUICKSILVER	6.7	8.0	7.3
SRX 4682	6.7	8.0	7.3
ES45	6.7	7.7	7.2
PIANIST (DP 17-9505)	7.7	6.7	7.2
PM 102	6.0	8.3	7.2
BUENA VISTA	7.0	7.3	7.2
PACESETTER II (PS-2)	7.0	7.3	7.2
LINN	5.3	7.0	6.2
LSD VALUE	1.4	1.1	0.9
C.V. (%)	11.5	8.2	9.9

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

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

TABLE 17. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	NE1	NAME	NE1
ACCENT II (JR-119)	9.0	INSPIRE	8.7
ASP6005 (AJM)	9.0	KEYSTONE 2 (IS-PR 312)	8.7
ATTRIBUTE (IS-PR 270)	9.0	LINE DRIVE GLS (APR 1797)	8.7
BARLENNIUM	9.0	LS 2300 (APR 1670)	8.7
BREA (04-BRE)	9.0	MACH I	8.7
BRIGHTSTAR SLT	9.0	MAJESTY II (VB77)	8.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	9.0	MANHATTAN 5 GLR (PST-2AM)	8.7
DASHER 3 (PICK RB-1)	9.0	MMW	8.7
DEFENDER (D04-UP)	9.0	NEXUS XD (SP4)	8.7
DERBY XTREME (IS-PR 268)	9.0	PALACE (IS-PR 273)	8.7
FIESTA 4 (PICK F4)	9.0	PALMER IV	8.7
FIJI (GPR)	9.0	PIANIST (DP 17-9505)	8.7
LA QUINTA (JR-255)	9.0	PIZZAZZ	8.7
NEXUS XR (SNR)	9.0	PM 102	8.7
NOTABLE (AF)	9.0	PREMIER II	8.7
PALMER V (RNS)	9.0	PRESIDIO (CNV)	8.7
PANTHER	9.0	PROTOTYPE (DCM)	8.7
PHENOM (APR 1660)	9.0	PST-2AG4	8.7
PICK 02-R	9.0	QUICKSILVER	8.7
PLEASURE SUPREME (PM 103)	9.0	REGAL 5 (IS-PR 271)	8.7
PROTEGE GLR	9.0	RINGER II (04-BEN)	8.7
STELLAR GL (IS-PR 236)	9.0	SILVER DOLLAR	8.7
UNO (D04-11T)	9.0	SOPRANO (DP1)	8.7
WIND DANCE 2 (PWDR)	9.0	TR47	8.7
ZOOM (LCK)	9.0	TRANSFORMER (D04-1667)	8.7
1G SQUARED (APR 1664)	8.7	VB99	8.7
AFFINITY	8.7	WAYFARER (L44)	8.7
ALLSTAR 3 (IS-PR 274)	8.7	AMAZING GS (IS-PR 276)	8.3
ASP6001 (RTS)	8.7	APPLE GL (AAZ-B104)	8.3
ASP6003 (TRS)	8.7	CHIVALRY (APR 1648)	8.3
ASP6004 (EXS54)	8.7	ASP6002 (BPR)	8.3
BACCARAT (RAD-PR8)	8.7	ASP6006 (LPFG)	8.3
CADDIESHACK II (JR-163)	8.7	BAR LP 4317	8.3
CUTTER II (PM 101)	8.7	BAR LP 4420	8.3
D04-LP05	8.7	CABO II (IS-PR 233)	8.3
DELAWARE XL (PICK 01-2)	8.7	CALYPSO 3 (MS2)	8.3
DP 17-9788	8.7	E-99	8.3
ES45	8.7	FIREBOLT (PRG HS-01-09)	8.3
EXACTA II GLSR (LTP-611-GLSR)	8.7	GRAND SLAM 2 (PST-2GSM)	8.3
FOREVER (DP 17-9499)	8.7	HARRIER (SRX 4UP3)	8.3
GOALKEEPER II (JR-114)	8.7	HOMERUN (RG3P)	8.3
GRAY FOX (PST-2MNG)	8.7	KOKOMO II (IS-PR 235)	8.3
GRAY STAR (PST-2LGL)	8.7	LPR 02203	8.3
HALO (KN42)	8.7	MONTEREY 3 (JR-408)	8.3
HAWKEYE 2 (SRX 4692)	8.7	OVERDRIVE	8.3
HEADSTART 2	8.7	PACESETTER II (PS-2)	8.3

TABLE 17. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

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

NAME	NE1
PALMER GLS (GL-2)	8.3
PARAGON GLR	8.3
PENTIUM	8.3
PINNACLE II	8.3
PLATEAU (PST-2LAN)	8.3
PRIMARY (IS-PR 269)	8.3
PST-217	8.3
PST-2BLK	8.3
REVENGE GLX (JR-348)	8.3
SECRETARIAT II GLSR (LTP-101-GLSR)	8.3
SUNSHINE 2	8.3
BUENA VISTA	8.0
CITATION FORE	8.0
DART (APR 1663)	8.0
EDGE II (AC2)	8.0
FUSION	8.0
GALATTI (DP 17-9502)	8.0
PALMER III	8.0
PREMIER	8.0
REPELL GLS	8.0
SR 4600 (SRX 4SP)	8.0
SRX 4682	8.0
TOP GUN II (JR-324)	8.0
BAR LP 4920	7.7
PANTHER GLS	7.7
PINNACLE	7.7
LINN	6.0
LSD VALUE	1.0
C.V. (%)	7.0

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 18. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	MN1	MO1	MEAN
PREMIER	63.3	73.3	94.7	77.1
PINNACLE	63.3	56.7	93.0	71.0
PIZZAZZ	66.7	51.7	94.7	71.0
TRANSFORMER (D04-1667)	70.0	46.7	96.3	71.0
SR 4600 (SRX 4SP)	70.0	48.3	93.3	70.6
HAWKEYE 2 (SRX 4692)	70.0	43.3	96.3	69.9
TOP GUN II (JR-324)	66.7	50.0	91.7	69.4
CADDIESHACK II (JR-163)	56.7	55.0	96.3	69.3
SILVER DOLLAR	70.0	38.3	99.0	69.1
BAR LP 4920	63.3	51.7	91.7	68.9
SRX 4682	70.0	48.3	88.0	68.8
REPELL GLS	63.3	48.3	93.3	68.3
ES45	66.7	45.0	91.7	67.8
GOALKEEPER II (JR-114)	60.0	50.0	93.0	67.7
REVENGE GLX (JR-348)	66.7	40.0	96.3	67.7
VB99	63.3	50.0	88.0	67.1
BRIGHTSTAR SLT	66.7	36.7	97.7	67.0
TR47	60.0	51.7	88.3	66.7
CHIVALRY (APR 1648)	66.7	38.3	93.3	66.1
PACESETTER II (PS-2)	70.0	35.0	93.0	66.0
INSPIRE	70.0	35.0	92.7	65.9
PALMER V (RNS)	73.3	28.3	94.7	65.4
PANTHER GLS	73.3	28.3	94.7	65.4
BARLENNIUM	56.7	41.7	97.7	65.3
DELAWARE XL (PICK 01-2)	66.7	33.3	96.0	65.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	63.3	35.0	96.3	64.9
GRAY FOX (PST-2MNG)	60.0	43.3	91.3	64.9
MAJESTY II (VB77)	56.7	43.3	94.7	64.9
PENTIUM	66.7	33.3	94.7	64.9
HOMERUN (RG3P)	56.7	41.7	96.3	64.9
MACH I	71.7	30.0	91.7	64.4
MONTEREY 3 (JR-408)	70.0	31.7	91.3	64.3
CITATION FORE	70.0	25.0	97.7	64.2
PRESIDIO (CNV)	63.3	31.7	97.7	64.2
BACCARAT (RAD-PR8)	66.7	31.7	93.3	63.9
PALMER III	66.7	33.3	91.7	63.9
HARRIER (SRX 4UP3)	63.3	33.3	94.7	63.8
PREMIER II	66.7	30.0	94.7	63.8
CUTTER II (PM 101)	60.0	35.0	96.3	63.8
DP 17-9788	60.0	36.7	94.7	63.8
HEADSTART 2	66.7	30.0	93.0	63.2
HALO (KN42)	61.7	41.7	86.3	63.2
CABO II (IS-PR 233)	66.7	31.7	90.0	62.8
LINE DRIVE GLS (APR 1797)	66.7	25.0	96.3	62.7
PM 102	70.0	23.3	94.7	62.7
STELLAR GL (IS-PR 236)	75.0	18.3	94.7	62.7

TABLE 18. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	MN1	MO1	MEAN
LS 2300 (APR 1670)	63.3	28.3	96.0	62.6
FIJI (GPR)	60.0	28.3	97.7	62.0
SECRETARIAT II GLSR (LTP-101-GLSR)	56.7	36.7	92.7	62.0
PRIMARY (IS-PR 269)	70.0	21.7	93.3	61.7
DEFENDER (D04-UP)	71.7	18.3	94.7	61.6
OVERDRIVE	63.3	25.0	96.3	61.6
PALMER GLS (GL-2)	73.3	16.7	94.7	61.6
PST-2BLK	63.3	25.0	96.3	61.6
DART (APR 1663)	53.3	33.3	97.7	61.4
PROTOTYPE (DCM)	60.0	28.3	96.0	61.4
KOKOMO II (IS-PR 235)	63.3	26.7	93.3	61.1
NOTABLE (AF)	70.0	20.0	93.0	61.0
ASP6002 (BPR)	66.7	21.7	94.3	60.9
BREA (04-BRE)	60.0	30.0	92.7	60.9
BUENA VISTA	60.0	31.7	90.0	60.6
PANTHER	61.7	33.3	86.7	60.6
LA QUINTA (JR-255)	61.7	31.7	88.3	60.6
ACCENT II (JR-119)	70.0	16.7	94.7	60.4
APPLE GL (AAZ-B104)	66.7	20.0	94.7	60.4
MANHATTAN 5 GLR (PST-2AM)	75.0	11.7	94.7	60.4
PARAGON GLR	73.3	18.3	89.7	60.4
WIND DANCE 2 (PWDR)	58.3	31.7	91.3	60.4
KEYSTONE 2 (IS-PR 312)	73.3	10.0	97.7	60.3
AFFINITY	70.0	21.7	88.3	60.0
ALLSTAR 3 (IS-PR 274)	70.0	15.0	94.7	59.9
E-99	60.0	25.0	94.7	59.9
PALMER IV	73.3	15.0	91.3	59.9
GRAND SLAM 2 (PST-2GSM)	60.0	20.0	99.0	59.7
ASP6004 (EXS54)	60.0	28.3	90.0	59.4
PST-2AG4	46.7	36.7	94.7	59.3
PST-217	63.3	18.3	96.0	59.2
CALYPSO 3 (MS2)	71.7	11.7	93.3	58.9
ZOOM (LCK)	60.0	26.7	90.0	58.9
AMAZING GS (IS-PR 276)	73.3	6.7	96.3	58.8
D04-LP05	73.3	8.3	94.7	58.8
EXACTA II GLSR (LTP-611-GLSR)	73.3	10.0	93.0	58.8
ASP6003 (TRS)	60.0	26.7	88.3	58.3
DERBY XTREME (IS-PR 268)	73.3	16.7	85.0	58.3
WAYFARER (L44)	56.7	33.3	85.0	58.3
LPR 02203	61.7	15.0	97.7	58.1
NEXUS XD (SP4)	60.0	21.7	91.7	57.8
QUICKSILVER	66.7	15.0	91.7	57.8
1G SQUARED (APR 1664)	66.7	13.3	91.7	57.2
FIESTA 4 (PICK F4)	68.3	11.7	91.7	57.2
UNO (D04-11T)	70.0	10.0	91.7	57.2
ATTRIBUTE (IS-PR 270)	60.0	23.3	88.3	57.2

TABLE 18. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	MN1	MO1	MEAN
BAR LP 4317	70.0	8.3	93.3	57.2
FUSION	60.0	16.7	94.7	57.1
GRAY STAR (PST-2LGL)	66.7	11.7	93.0	57.1
PLATEAU (PST-2LAN)	56.7	18.3	96.0	57.0
NEXUS XR (SNR)	60.0	20.0	90.0	56.7
PICK 02-R	60.0	25.0	85.0	56.7
ASP6001 (RTS)	60.0	15.0	94.7	56.6
EDGE II (AC2)	63.3	13.3	92.7	56.4
RINGER II (04-BEN)	60.0	10.0	99.0	56.3
ASP6006 (LPFG)	60.0	26.7	81.7	56.1
MMW	71.7	8.3	88.3	56.1
FIREBOLT (PRG HS-01-09)	53.3	20.0	94.7	56.0
PLEASURE SUPREME (PM 103)	60.0	13.3	94.7	56.0
PHENOM (APR 1660)	60.0	21.7	85.0	55.6
BAR LP 4420	56.7	16.7	93.0	55.4
PALACE (IS-PR 273)	53.3	16.7	96.3	55.4
REGAL 5 (IS-PR 271)	63.3	11.7	91.3	55.4
SUNSHINE 2	53.3	21.7	90.0	55.0
DASHER 3 (PICK RB-1)	63.3	10.0	90.0	54.4
PINNACLE II	60.0	5.0	96.3	53.8
PROTEGE GLR	63.3	10.0	86.7	53.3
SOPRANO (DP1)	66.7	6.7	86.7	53.3
GALATTI (DP 17-9502)	56.7	6.7	94.7	52.7
PIANIST (DP 17-9505)	56.7	8.3	93.0	52.7
ASP6005 (AJM)	53.3	11.7	83.3	49.4
FOREVER (DP 17-9499)	60.0	1.7	83.0	48.2
LINN	46.7	2.5	91.7	46.9
LSD VALUE	19.0	31.4	10.2	12.7
C.V. (%)	18.4	73.3	6.8	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.

TABLE 19.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

## PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	M01	RI1	MEAN	NAME	M01	RI1	MEAN
SILVER DOLLAR	99.0	98.5	98.8	PREMIER	94.7	96.5	95.6
PENTIUM	97.7	98.5	98.1	CHIVALRY (APR 1648)	93.3	97.5	95.4
PRESIDIO (CNV)	97.7	98.0	97.8	BAR LP 4317	93.3	97.5	95.4
KEYSTONE 2 (IS-PR 312)	97.7	97.5	97.6	EXACTA II GLSR (LTP-611-GLSR)	94.3	96.5	95.4
PROTOTYPE (DCM)	97.7	97.5	97.6	ASP6001 (RTS)	94.7	96.0	95.3
DART (APR 1663)	97.7	97.0	97.3	BRIGHTSTAR SLT	97.7	93.0	95.3
RINGER II (O4-BEN)	97.7	97.0	97.3	PACESETTER II (PS-2)	94.7	96.0	95.3
GRAND SLAM 2 (PST-2GSM)	99.0	95.5	97.3	PREMIER II	94.7	96.0	95.3
HOMERUN (RG3P)	96.3	98.0	97.2	BAR LP 4420	93.0	97.5	95.3
PANTHER GLS	96.3	98.0	97.2	NOTABLE (AF)	93.0	97.5	95.3
BARLENNIUM	97.7	96.5	97.1	NEXUS XD (SP4)	93.3	97.0	95.2
FIJI (GPR)	97.7	96.5	97.1	SR 4600 (SRX 4SP)	93.3	97.0	95.2
HAWKEYE 2 (SRX 4692)	97.7	96.5	97.1	GOALKEEPER II (JR-114)	93.0	97.0	95.0
REVENGE GLX (JR-348)	96.3	97.5	96.9	WIND DANCE 2 (PWDR)	93.0	97.0	95.0
TRANSFORMER (D04-1667)	96.3	97.5	96.9	CALYPSO 3 (MS2)	93.3	96.5	94.9
AMAZING GS (IS-PR 276)	96.3	97.0	96.7	MACH I	93.3	96.5	94.9
OVERDRIVE	96.3	97.0	96.7	PALMER III	93.3	96.5	94.9
PLEASURE SUPREME (PM 103)	96.3	97.0	96.7	PST-2BLK	96.3	93.5	94.9
REPELL GLS	96.3	97.0	96.7	FIESTA 4 (PICK F4)	91.7	98.0	94.8
DELAWARE XL (PICK 01-2)	96.0	97.0	96.5	INSPIRE	92.7	97.0	94.8
LINE DRIVE GLS (APR 1797)	96.3	96.5	96.4	QUICKSILVER	91.7	98.0	94.8
CITATION FORE	97.7	95.0	96.3	PIANIST (DP 17-9505)	93.0	96.5	94.8
LPR 02203	97.7	95.0	96.3	BREA (O4-BRE)	92.7	96.5	94.6
LS 2300 (APR 1670)	97.7	95.0	96.3	BUENA VISTA	91.7	97.5	94.6
PM 102	94.7	98.0	96.3	ASP6002 (BPR)	93.0	96.0	94.5
KOKOMO II (IS-PR 235)	95.0	97.5	96.3	HEADSTART 2	93.0	96.0	94.5
PALMER GLS (GL-2)	96.0	96.5	96.3	CADDIESHACK II (JR-163)	96.3	92.5	94.4
PLATEAU (PST-2LAN)	96.0	96.5	96.3	1G SQUARED (APR 1664)	91.7	97.0	94.3
CUTTER II (PM 101)	96.3	96.0	96.2	ES45	91.7	97.0	94.3
PALACE (IS-PR 273)	96.3	96.0	96.2	TOP GUN II (JR-324)	91.7	97.0	94.3
PIZZAZZ	94.7	97.5	96.1	SECRETARIAT II GLSR (LTP-101-GLSR)	94.3	94.0	94.2
PST-2AG4	94.7	97.5	96.1	BAR LP 4920	91.7	96.5	94.1
BACCARAT (RAD-PR8)	95.0	97.0	96.0	EDGE II (AC2)	92.7	95.5	94.1
ALLSTAR 3 (IS-PR 274)	94.7	97.0	95.8	ASP6003 (TRS)	89.7	98.0	93.8
DP 17-9788	94.7	97.0	95.8	PALMER IV	89.7	98.0	93.8
E-99	94.7	97.0	95.8	SUNSHINE 2	90.0	97.5	93.8
MAJESTY II (VB77)	94.7	97.0	95.8	ZOOM (LCK)	90.0	97.5	93.8
MANHATTAN 5 GLR (PST-2AM)	94.7	97.0	95.8	UNO (D04-11T)	91.7	95.5	93.6
PALMER V (RNS)	94.7	97.0	95.8	ASP6004 (EXS54)	90.0	97.0	93.5
STELLAR GL (IS-PR 236)	94.7	97.0	95.8	CABO II (IS-PR 233)	90.0	97.0	93.5
PRIMARY (IS-PR 269)	95.0	96.5	95.8	NEXUS XR (SNR)	90.0	97.0	93.5
DEFENDER (D04-UP)	94.7	96.5	95.6	MMW	91.7	95.0	93.3
GALATTI (DP 17-9502)	94.7	96.5	95.6	PARAGON GLR	89.7	97.0	93.3
GRAY STAR (PST-2LGL)	94.7	96.5	95.6	D04-LP05	96.0	90.5	93.3
HARRIER (SRX 4UP3)	94.7	96.5	95.6	TR47	90.0	96.5	93.3
PINNACLE	94.7	96.5	95.6	VB99	88.0	98.5	93.3

TABLE 19. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	M01	RI1	MEAN
REGAL 5 (IS-PR 271)	91.3	95.0	93.2
PINNACLE II	96.3	89.0	92.7
MONTEREY 3 (JR-408)	90.0	95.0	92.5
DASHER 3 (PICK RB-1)	88.3	96.5	92.4
PICK 02-R	86.7	98.0	92.3
AFFINITY	88.3	95.5	91.9
PANTHER	86.7	97.0	91.8
HALO (KN42)	86.3	97.0	91.7
ATTRIBUTE (IS-PR 270)	86.7	96.5	91.6
FIREBOLT (PRG HS-01-09)	94.7	88.5	91.6
PROTEGE GLR	86.7	96.0	91.3
DERBY XTREME (IS-PR 268)	85.0	97.5	91.3
SRX 4682	88.0	94.0	91.0
PHENOM (APR 1660)	85.0	96.5	90.8
WAYFARER (L44)	85.0	96.5	90.8
ASP6005 (AJM)	83.3	97.0	90.2
FUSION	96.3	84.0	90.2
FOREVER (DP 17-9499)	84.7	95.5	90.1
ACCENT II (JR-119)	94.7	85.0	89.8
ASP6006 (LPFG)	81.7	93.5	87.6
PST-217	96.0	78.5	87.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	96.3	77.5	86.9
SOPRANO (DP1)	86.7	86.5	86.6
GRAY FOX (PST-2MNG)	91.3	78.5	84.9
LA QUINTA (JR-255)	88.3	81.5	84.9
APPLE GL (AAZ-B104)	94.7	66.0	80.3
LINN	93.3	55.0	74.2
LSD VALUE	9.8	13.7	8.0
C.V. (%)	6.5	7.3	6.8

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

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

TABLE 20. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	M01	NAME	M01
GRAND SLAM 2 (PST-2GSM)	96.3	CALYPSO 3 (MS2)	91.7
FUSION	95.0	CHARISMATIC II GLSR (LTP-PG-GLSR)	91.7
LINE DRIVE GLS (APR 1797)	95.0	DEFENDER (D04-UP)	91.7
AMAZING GS (IS-PR 276)	94.7	E-99	91.7
D04-LP05	94.7	ES45	91.7
DART (APR 1663)	94.7	FIJI (GPR)	91.7
DELAWARE XL (PICK 01-2)	94.7	FIREBOLT (PRG HS-01-09)	91.7
DP 17-9788	94.7	GRAY STAR (PST-2LGL)	91.7
GALATTI (DP 17-9502)	94.7	HARRIER (SRX 4UP3)	91.7
HAWKEYE 2 (SRX 4692)	94.7	LS 2300 (APR 1670)	91.7
KEYSTONE 2 (IS-PR 312)	94.7	MANHATTAN 5 GLR (PST-2AM)	91.7
PENTIUM	94.7	PALMER V (RNS)	91.7
EXACTA II GLSR (LTP-611-GLSR)	94.3	PIANIST (DP 17-9505)	91.7
APPLE GL (AAZ-B104)	93.3	PM 102	91.7
BRIGHTSTAR SLT	93.3	PRIMARY (IS-PR 269)	91.7
CADDIESHACK II (JR-163)	93.3	REVENGE GLX (JR-348)	91.7
CITATION FORE	93.3	SECRETARIAT II GLSR (LTP-101-GLSR)	91.7
CUTTER II (PM 101)	93.3	STELLAR GL (IS-PR 236)	91.7
KOKOMO II (IS-PR 235)	93.3	TOP GUN II (JR-324)	91.7
LPR 02203	93.3	HEADSTART 2	91.3
MAJESTY II (VB77)	93.3	PST-2AG4	91.3
OVERDRIVE	93.3	CHIVALRY (APR 1648)	90.0
PACESETTER II (PS-2)	93.3	BAR LP 4920	90.0
PALMER GLS (GL-2)	93.3	BREA (04-BRE)	90.0
PANTHER GLS	93.3	BUENA VISTA	90.0
PINNACLE	93.3	GOALKEEPER II (JR-114)	90.0
PIZZAZZ	93.3	INSPIRE	90.0
PLATEAU (PST-2LAN)	93.3	LINN	90.0
PREMIER II	93.3	MACH I	90.0
PRESIDIO (CNV)	93.3	NEXUS XR (SNR)	90.0
PST-217	93.3	NOTABLE (AF)	90.0
REPELL GLS	93.3	PALMER III	90.0
RINGER II (04-BEN)	93.3	PST-2BLK	90.0
SILVER DOLLAR	93.3	QUICKSILVER	90.0
ACCENT II (JR-119)	93.0	SR 4600 (SRX 4SP)	90.0
ASP6001 (RTS)	93.0	SUNSHINE 2	90.0
ASP6002 (BPR)	93.0	TRANSFORMER (D04-1667)	90.0
HOMERUN (RG3P)	93.0	ZOOM (LCK)	90.0
PALACE (IS-PR 273)	93.0	EDGE II (AC2)	89.7
PINNACLE II	93.0	GRAY FOX (PST-2MNG)	89.7
PROTOTYPE (DCM)	93.0	1G SQUARED (APR 1664)	88.3
PLEASURE SUPREME (PM 103)	92.3	ASP6004 (EXS54)	88.3
ALLSTAR 3 (IS-PR 274)	91.7	FIESTA 4 (PICK F4)	88.3
BACCARAT (RAD-PR8)	91.7	NEXUS XD (SP4)	88.3
BAR LP 4317	91.7	PREMIER	88.3
BARLENNIUM	91.7	REGAL 5 (IS-PR 271)	88.3

TABLE 20. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	MO1
TR47	88.3
UNO (D04-11T)	88.3
WIND DANCE 2 (PWDR)	88.3
AFFINITY	88.0
PARAGON GLR	88.0
ASP6003 (TRS)	86.7
BAR LP 4420	86.7
DASHER 3 (PICK RB-1)	86.7
LA QUINTA (JR-255)	86.7
MMW	86.7
SRX 4682	86.7
VB99	86.3
ATTRIBUTE (IS-PR 270)	85.0
CABO II (IS-PR 233)	85.0
PALMER IV	85.0
PICK 02-R	85.0
SOPRANO (DP1)	85.0
HALO (KN42)	84.7
ASP6005 (AJM)	83.3
MONTEREY 3 (JR-408)	83.3
PANTHER	83.3
PHENOM (APR 1660)	83.3
WAYFARER (L44)	83.3
DERBY XTREME (IS-PR 268)	81.7
PROTEGE GLR	81.7
ASP6006 (LPFG)	80.0
FOREVER (DP 17-9499)	79.7
LSD VALUE	10.1
C.V. (%)	6.9

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

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

TABLE 21.

TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE 2/

NAME	MA1	NAME	MA1
ZOOM (LCK)	5.3	PM 102	3.7
SR 4600 (SRX 4SP)	5.0	REPELL GLS	3.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.7	TOP GUN II (JR-324)	3.7
DEFENDER (D04-UP)	4.7	WAYFARER (L44)	3.7
GRAND SLAM 2 (PST-2GSM)	4.7	ASP6002 (BPR)	3.3
LINE DRIVE GLS (APR 1797)	4.7	ASP6004 (EXS54)	3.3
MMW	4.7	CITATION FORE	3.3
ASP6005 (AJM)	4.3	DART (APR 1663)	3.3
BACCARAT (RAD-PR8)	4.3	DASHER 3 (PICK RB-1)	3.3
BARLENNIUM	4.3	DELAWARE XL (PICK 01-2)	3.3
CALYPSO 3 (MS2)	4.3	DERBY XTREME (IS-PR 268)	3.3
EXACTA II GLSR (LTP-611-GLSR)	4.3	ES45	3.3
FIREBOLT (PRG HS-01-09)	4.3	GRAY FOX (PST-2MNG)	3.3
MACH I	4.3	GRAY STAR (PST-2LGL)	3.3
PALACE (IS-PR 273)	4.3	MANHATTAN 5 GLR (PST-2AM)	3.3
PALMER V (RNS)	4.3	NEXUS XR (SNR)	3.3
PARAGON GLR	4.3	OVERDRIVE	3.3
PST-217	4.3	PIANIST (DP 17-9505)	3.3
ALLSTAR 3 (IS-PR 274)	4.0	PLEASURE SUPREME (PM 103)	3.3
APPLE GL (AAZ-B104)	4.0	PST-2AG4	3.3
ASP6001 (RTS)	4.0	PST-2BLK	3.3
ATTRIBUTE (IS-PR 270)	4.0	REGAL 5 (IS-PR 271)	3.3
BAR LP 4920	4.0	RINGER II (04-BEN)	3.3
BREA (04-BRE)	4.0	SILVER DOLLAR	3.3
E-99	4.0	TR47	3.3
EDGE II (AC2)	4.0	WIND DANCE 2 (PWDR)	3.3
FIJI (GPR)	4.0	AFFINITY	3.0
MAJESTY II (VB77)	4.0	CHIVALRY (APR 1648)	3.0
PANTHER	4.0	BAR LP 4317	3.0
PRESIDIO (CNV)	4.0	BRIGHTSTAR SLT	3.0
QUICKSILVER	4.0	BUENA VISTA	3.0
SUNSHINE 2	4.0	DP 17-9788	3.0
UNO (D04-11T)	4.0	FOREVER (DP 17-9499)	3.0
VB99	4.0	GOALKEEPER II (JR-114)	3.0
1G SQUARED (APR 1664)	3.7	HARRIER (SRX 4UP3)	3.0
AMAZING GS (IS-PR 276)	3.7	HEADSTART 2	3.0
ASP6006 (LPFG)	3.7	KEYSTONE 2 (IS-PR 312)	3.0
CADDIESHACK II (JR-163)	3.7	NEXUS XD (SP4)	3.0
CUTTER II (PM 101)	3.7	PACESETTER II (PS-2)	3.0
FIESTA 4 (PICK F4)	3.7	PHENOM (APR 1660)	3.0
FUSION	3.7	PINNACLE	3.0
HOMERUN (RG3P)	3.7	PLATEAU (PST-2LAN)	3.0
INSPIRE	3.7	PREMIER II	3.0
LPR 02203	3.7	PROTEGE GLR	3.0
PICK 02-R	3.7	SECRETARIAT II GLSR (LTP-101-GLSR)	3.0
		ACCENT II (JR-119)	2.7

TABLE 21. TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE 2/

NAME	MA1
ASP6003 (TRS)	2.7
BAR LP 4420	2.7
CABO II (IS-PR 233)	2.7
GALATTI (DP 17-9502)	2.7
HALO (KN42)	2.7
HAWKEYE 2 (SRX 4692)	2.7
LA QUINTA (JR-255)	2.7
LS 2300 (APR 1670)	2.7
NOTABLE (AF)	2.7
PALMER IV	2.7
PANTHER GLS	2.7
PENTIUM	2.7
SOPRANO (DP1)	2.7
SRX 4682	2.7
TRANSFORMER (D04-1667)	2.7
D04-LP05	2.3
PINNACLE II	2.3
PREMIER	2.3
PRIMARY (IS-PR 269)	2.3
KOKOMO II (IS-PR 235)	2.0
MONTEREY 3 (JR-408)	2.0
PALMER GLS (GL-2)	2.0
PALMER III	2.0
PIZZAZZ	2.0
PROTOTYPE (DCM)	2.0
REVENGE GLX (JR-348)	2.0
STELLAR GL (IS-PR 236)	2.0
LINN	1.3
LSD VALUE	1.7
C.V. (%)	31.1

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 22.

LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	PA1	NAME	PA1
ZOOM (LCK)	9.0	ASP6006 (LPFG)	5.3
PALMER V (RNS)	8.3	BACCARAT (RAD-PR8)	5.3
UNO (D04-11T)	8.3	D04-LP05	5.3
FIESTA 4 (PICK F4)	8.0	DART (APR 1663)	5.3
KOKOMO II (IS-PR 235)	8.0	HARRIER (SRX 4UP3)	5.3
LINN	8.0	LPR 02203	5.3
PALACE (IS-PR 273)	8.0	NEXUS XR (SNR)	5.3
DERBY XTREME (IS-PR 268)	7.7	PALMER III	5.3
PARAGON GLR	7.7	PANTHER GLS	5.3
PROTEGE GLR	7.7	PHENOM (APR 1660)	5.3
STELLAR GL (IS-PR 236)	7.7	PINNACLE II	5.3
ALLSTAR 3 (IS-PR 274)	7.3	PLEASURE SUPREME (PM 103)	5.3
APPLE GL (AAZ-B104)	7.3	REPELL GLS	5.3
EXACTA II GLSR (LTP-611-GLSR)	7.0	ASP6004 (EXS54)	5.0
MMW	7.0	ASP6005 (AJM)	5.0
PALMER IV	7.0	BAR LP 4420	5.0
SR 4600 (SRX 4SP)	7.0	CALYPSO 3 (MS2)	5.0
AMAZING GS (IS-PR 276)	6.7	FIJI (GPR)	5.0
FOREVER (DP 17-9499)	6.7	FUSION	5.0
GALATTI (DP 17-9502)	6.7	MAJESTY II (VB77)	5.0
GRAY FOX (PST-2MNG)	6.7	NOTABLE (AF)	5.0
OVERDRIVE	6.7	PM 102	5.0
SOPRANO (DP1)	6.7	SILVER DOLLAR	5.0
CHIVALRY (APR 1648)	6.3	VB99	5.0
ATTRIBUTE (IS-PR 270)	6.3	ASP6001 (RTS)	4.7
DELAWARE XL (PICK 01-2)	6.3	CUTTER II (PM 101)	4.7
HOMERUN (RG3P)	6.3	DP 17-9788	4.7
KEYSTONE 2 (IS-PR 312)	6.3	ES45	4.7
PRIMARY (IS-PR 269)	6.3	GRAY STAR (PST-2LGL)	4.7
PROTOTYPE (DCM)	6.3	LINE DRIVE GLS (APR 1797)	4.7
BUENA VISTA	6.0	LS 2300 (APR 1670)	4.7
CITATION FORE	6.0	NEXUS XD (SP4)	4.7
GRAND SLAM 2 (PST-2GSM)	6.0	PENTIUM	4.7
MACH I	6.0	PLATEAU (PST-2LAN)	4.7
PALMER GLS (GL-2)	6.0	PREMIER	4.7
PST-2AG4	6.0	PRESIDIO (CNV)	4.7
REGAL 5 (IS-PR 271)	6.0	PST-217	4.7
1G SQUARED (APR 1664)	5.7	QUICKSILVER	4.7
DASHER 3 (PICK RB-1)	5.7	RINGER II (04-BEN)	4.7
DEFENDER (D04-UP)	5.7	SRX 4682	4.7
INSPIRE	5.7	TOP GUN II (JR-324)	4.7
MANHATTAN 5 GLR (PST-2AM)	5.7	TR47	4.7
PIZZAZZ	5.7	WIND DANCE 2 (PWDR)	4.7
REVENGE GLX (JR-348)	5.7	ACCENT II (JR-119)	4.3
TRANSFORMER (D04-1667)	5.7	BAR LP 4317	4.3
		BARLENNIUM	4.3

TABLE 22. LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

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

NAME	PA1
CABO II (IS-PR 233)	4.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.3
MONTEREY 3 (JR-408)	4.3
PACESETTER II (PS-2)	4.3
PIANIST (DP 17-9505)	4.3
SECRETARIAT II GLSR (LTP-101-GLSR)	4.3
BREA (04-BRE)	4.0
E-99	4.0
HAWKEYE 2 (SRX 4692)	4.0
PREMIER II	4.0
AFFINITY	3.7
ASP6002 (BPR)	3.7
ASP6003 (TRS)	3.7
BRIGHTSTAR SLT	3.7
EDGE II (AC2)	3.7
FIREBOLT (PRG HS-01-09)	3.7
LA QUINTA (JR-255)	3.7
PINNACLE	3.7
HALO (KN42)	3.3
WAYFARER (L44)	3.3
PANTHER	3.0
PICK 02-R	3.0
BAR LP 4920	2.7
CADDIESHACK II (JR-163)	2.7
SUNSHINE 2	2.7
GOALKEEPER II (JR-114)	2.3
HEADSTART 2	2.3
PST-2BLK	1.3
LSD VALUE	1.4
C.V. (%)	17.1

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 23.

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	IL2	MA1	MEAN	NAME	IL2	MA1	MEAN
PREMIER	7.7	6.7	7.2	HOMERUN (RG3P)	3.3	7.3	5.3
LPR 02203	6.3	7.3	6.8	MMW	3.3	7.3	5.3
AFFINITY	5.0	8.3	6.7	PALMER GLS (GL-2)	2.7	8.0	5.3
UNO (D04-11T)	5.7	7.0	6.3	VB99	3.7	7.0	5.3
PINNACLE	6.3	6.3	6.3	WIND DANCE 2 (PWDR)	3.7	7.0	5.3
ASP6006 (LPFG)	4.3	7.7	6.0	BACCARAT (RAD-PR8)	3.7	6.7	5.2
DART (APR 1663)	4.0	8.0	6.0	CUTTER II (PM 101)	3.7	6.7	5.2
DEFENDER (D04-UP)	4.3	7.7	6.0	FIESTA 4 (PICK F4)	3.7	6.7	5.2
HEADSTART 2	4.7	7.3	6.0	FOREVER (DP 17-9499)	3.7	6.7	5.2
SUNSHINE 2	6.0	6.0	6.0	HARRIER (SRX 4UP3)	3.7	6.7	5.2
LINE DRIVE GLS (APR 1797)	4.0	7.7	5.8	INSPIRE	3.3	7.0	5.2
NOTABLE (AF)	4.0	7.7	5.8	MACH I	3.7	6.7	5.2
PIZZAZZ	4.0	7.7	5.8	MANHATTAN 5 GLR (PST-2AM)	3.3	7.0	5.2
1G SQUARED (APR 1664)	4.3	7.3	5.8	PACESETTER II (PS-2)	3.7	6.7	5.2
DERBY XTREME (IS-PR 268)	4.3	7.3	5.8	SRX 4682	2.7	7.7	5.2
LS 2300 (APR 1670)	4.3	7.3	5.8	WAYFARER (L44)	3.3	7.0	5.2
SILVER DOLLAR	3.0	8.7	5.8	BARLENNIUM	3.0	7.3	5.2
STELLAR GL (IS-PR 236)	4.3	7.3	5.8	PROTOTYPE (DCM)	3.0	7.3	5.2
ATTRIBUTE (IS-PR 270)	3.0	8.3	5.7	REVENGE GLX (JR-348)	3.0	7.3	5.2
HALO (KN42)	3.3	8.0	5.7	SR 4600 (SRX 4SP)	3.0	7.3	5.2
KEYSTONE 2 (IS-PR 312)	3.3	8.0	5.7	ASP6002 (BPR)	3.0	7.0	5.0
PENTIUM	3.3	8.0	5.7	LINN	4.7	5.3	5.0
REGAL 5 (IS-PR 271)	3.7	7.7	5.7	MONTEREY 3 (JR-408)	3.3	6.7	5.0
SOPRANO (DP1)	3.7	7.7	5.7	PHENOM (APR 1660)	4.0	6.0	5.0
ALLSTAR 3 (IS-PR 274)	4.0	7.3	5.7	PIANIST (DP 17-9505)	3.7	6.3	5.0
CITATION FORE	5.0	6.3	5.7	PICK 02-R	2.7	7.3	5.0
GOALKEEPER II (JR-114)	5.3	6.0	5.7	PREMIER II	3.0	7.0	5.0
KOKOMO II (IS-PR 235)	4.0	7.3	5.7	PROTEGE GLR	3.0	7.0	5.0
AMAZING GS (IS-PR 276)	3.0	8.0	5.5	SECRETARIAT II GLSR (LTP-101-GLSR)	3.0	7.0	5.0
BAR LP 4920	5.0	6.0	5.5	TOP GUN II (JR-324)	2.0	8.0	5.0
BRIGHTSTAR SLT	5.0	6.0	5.5	BAR LP 4317	3.0	6.7	4.8
CADDIESHACK II (JR-163)	4.7	6.3	5.5	EDGE II (AC2)	3.0	6.7	4.8
LA QUINTA (JR-255)	3.3	7.7	5.5	FIREBOLT (PRG HS-01-09)	3.0	6.7	4.8
MAJESTY II (VB77)	3.0	8.0	5.5	ZOOM (LCK)	4.0	5.7	4.8
PANTHER	4.0	7.0	5.5	APPLE GL (AAZ-B104)	2.7	7.0	4.8
PST-217	3.7	7.3	5.5	BAR LP 4420	2.3	7.3	4.8
ASP6004 (EXS54)	4.0	6.7	5.3	EXACTA II GLSR (LTP-611-GLSR)	2.3	7.3	4.8
D04-LP05	3.0	7.7	5.3	PLATEAU (PST-2LAN)	2.3	7.3	4.8
PALMER III	4.7	6.0	5.3	PM 102	4.3	5.3	4.8
PINNACLE II	3.0	7.7	5.3	QUICKSILVER	3.3	6.3	4.8
PRIMARY (IS-PR 269)	3.0	7.7	5.3	REPELL GLS	3.7	6.0	4.8
ASP6001 (RTS)	2.7	8.0	5.3	BUENA VISTA	1.7	7.7	4.7
ASP6003 (TRS)	3.3	7.3	5.3	ES45	2.7	6.7	4.7
CABO II (IS-PR 233)	3.3	7.3	5.3	GALATTI (DP 17-9502)	3.7	5.7	4.7
E-99	2.7	8.0	5.3	HAWKEYE 2 (SRX 4692)	2.7	6.7	4.7
				PST-2AG4	2.7	6.7	4.7

TABLE 23. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

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

NAME	IL2	MA1	MEAN
TRANSFORMER (D04-1667)	2.3	7.0	4.7
ASP6005 (AJM)	4.0	5.3	4.7
DASHER 3 (PICK RB-1)	2.0	7.3	4.7
DP 17-9788	3.0	6.3	4.7
GRAY FOX (PST-2MNG)	2.0	7.3	4.7
PALMER IV	3.0	6.3	4.7
ACCENT II (JR-119)	1.7	7.3	4.5
CHIVALRY (APR 1648)	1.3	7.7	4.5
BREA (04-BRE)	2.0	7.0	4.5
DELAWARE XL (PICK 01-2)	3.7	5.3	4.5
FUSION	1.7	7.3	4.5
PALMER V (RNS)	3.7	5.3	4.5
PANTHER GLS	3.0	6.0	4.5
PRESIDIO (CNV)	1.7	7.3	4.5
PST-2BLK	1.7	7.3	4.5
GRAND SLAM 2 (PST-2GSM)	3.0	5.7	4.3
NEXUS XD (SP4)	2.0	6.7	4.3
RINGER II (04-BEN)	2.0	6.7	4.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	2.3	6.3	4.3
CALYPSO 3 (MS2)	2.7	5.7	4.2
GRAY STAR (PST-2LGL)	1.3	7.0	4.2
PLEASURE SUPREME (PM 103)	1.7	6.7	4.2
TR47	2.7	5.7	4.2
NEXUS XR (SNR)	2.0	6.3	4.2
OVERDRIVE	3.0	5.3	4.2
FIJI (GPR)	2.7	5.3	4.0
PARAGON GLR	2.3	5.7	4.0
PALACE (IS-PR 273)	2.7	5.0	3.8
LSD VALUE	2.3	1.7	1.4
C.V. (%)	42.2	15.7	24.6

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 24.

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	MA1	MO1	MEAN	NAME	MA1	MO1	MEAN
DASHER 3 (PICK RB-1)	8.0	7.3	7.7	HALO (KN42)	8.7	5.0	6.8
PST-2AG4	9.0	6.3	7.7	NOTABLE (AF)	8.7	5.0	6.8
FIJI (GPR)	8.7	6.3	7.5	RINGER II (04-BEN)	8.7	5.0	6.8
STELLAR GL (IS-PR 236)	9.0	6.0	7.5	ASP6004 (EXS54)	7.7	5.7	6.7
ASP6006 (LPFG)	9.0	5.7	7.3	BUENA VISTA	8.3	5.0	6.7
DEFENDER (D04-UP)	9.0	5.7	7.3	HAWKEYE 2 (SRX 4692)	8.3	5.0	6.7
PROTOTYPE (DCM)	9.0	5.7	7.3	APPLE GL (AAZ-B104)	8.0	5.3	6.7
ASP6002 (BPR)	8.3	6.0	7.2	BAR LP 4420	8.0	5.3	6.7
MMW	8.3	6.0	7.2	HOMERUN (RG3P)	8.7	4.7	6.7
PANTHER	8.3	6.0	7.2	PALMER IV	9.0	4.3	6.7
SUNSHINE 2	8.3	6.0	7.2	PIZZAZZ	8.7	4.7	6.7
UNO (D04-11T)	8.3	6.0	7.2	PLATEAU (PST-2LAN)	8.7	4.7	6.7
ASP6003 (TRS)	9.0	5.3	7.2	SOPRANO (DP1)	8.7	4.7	6.7
DERBY XTREME (IS-PR 268)	8.7	5.7	7.2	TOP GUN II (JR-324)	7.3	6.0	6.7
GALATTI (DP 17-9502)	8.7	5.7	7.2	TR47	8.0	5.3	6.7
GRAY FOX (PST-2MNG)	8.7	5.7	7.2	ATTRIBUTE (IS-PR 270)	8.3	4.7	6.5
LS 2300 (APR 1670)	8.7	5.7	7.2	CITATION FORE	8.0	5.0	6.5
PALMER GLS (GL-2)	8.7	5.7	7.2	FIREBOLT (PRG HS-01-09)	8.0	5.0	6.5
PRESIDIO (CNV)	9.0	5.3	7.2	FOREVER (DP 17-9499)	8.3	4.7	6.5
AFFINITY	9.0	5.0	7.0	GRAY STAR (PST-2LGL)	8.3	4.7	6.5
FUSION	8.7	5.3	7.0	HEADSTART 2	9.0	4.0	6.5
HARRIER (SRX 4UP3)	8.3	5.7	7.0	PIANIST (DP 17-9505)	8.3	4.7	6.5
LPR 02203	8.0	6.0	7.0	PROTEGE GLR	7.0	6.0	6.5
REVENGE GLX (JR-348)	9.0	5.0	7.0	REGAL 5 (IS-PR 271)	9.0	4.0	6.5
SILVER DOLLAR	8.0	6.0	7.0	SRX 4682	8.3	4.7	6.5
SR 4600 (SRX 4SP)	8.3	5.7	7.0	BACCARAT (RAD-PR8)	8.0	4.7	6.3
WIND DANCE 2 (PWDR)	8.7	5.3	7.0	D04-LP05	7.7	5.0	6.3
ACCENT II (JR-119)	7.7	6.0	6.8	OVERDRIVE	8.3	4.3	6.3
ALLSTAR 3 (IS-PR 274)	8.3	5.3	6.8	PANTHER GLS	7.7	5.0	6.3
AMAZING GS (IS-PR 276)	9.0	4.7	6.8	PARAGON GLR	7.7	5.0	6.3
EXACTA II GLSR (LTP-611-GLSR)	7.0	6.7	6.8	PINNACLE	7.7	5.0	6.3
KEYSTONE 2 (IS-PR 312)	9.0	4.7	6.8	PLEASURE SUPREME (PM 103)	8.0	4.7	6.3
LINE DRIVE GLS (APR 1797)	8.0	5.7	6.8	PREMIER	8.0	4.7	6.3
PACESETTER II (PS-2)	8.0	5.7	6.8	PST-217	8.3	4.3	6.3
PHENOM (APR 1660)	8.3	5.3	6.8	TRANSFORMER (D04-1667)	8.0	4.7	6.3
PINNACLE II	9.0	4.7	6.8	VB99	7.7	5.0	6.3
PM 102	8.0	5.7	6.8	KOKOMO II (IS-PR 235)	9.0	3.7	6.3
PRIMARY (IS-PR 269)	9.0	4.7	6.8	PALMER V (RNS)	7.3	5.3	6.3
PST-2BLK	8.0	5.7	6.8	ES45	8.3	4.0	6.2
BARLENNIUM	8.7	5.0	6.8	MAJESTY II (VB77)	7.7	4.7	6.2
BREA (04-BRE)	8.7	5.0	6.8	PICK 02-R	7.7	4.7	6.2
CABO II (IS-PR 233)	8.7	5.0	6.8	CADDIESHACK II (JR-163)	8.0	4.3	6.2
DART (APR 1663)	8.7	5.0	6.8	GOALKEEPER II (JR-114)	8.0	4.3	6.2
EDGE II (AC2)	8.7	5.0	6.8	LA QUINTA (JR-255)	8.7	3.7	6.2
FIESTA 4 (PICK F4)	8.7	5.0	6.8	LINN	8.0	4.3	6.2
				MACH I	8.0	4.3	6.2

TABLE 24. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	MA1	MO1	MEAN
NEXUS XR (SNR)	7.3	5.0	6.2
PREMIER II	7.3	5.0	6.2
1G SQUARED (APR 1664)	8.0	4.0	6.0
CHIVALRY (APR 1648)	6.0	6.0	6.0
BRIGHTSTAR SLT	7.7	4.3	6.0
CALYPSO 3 (MS2)	8.3	3.7	6.0
MANHATTAN 5 GLR (PST-2AM)	8.3	3.7	6.0
MONTEREY 3 (JR-408)	8.0	4.0	6.0
PENTIUM	7.0	5.0	6.0
WAYFARER (L44)	8.0	4.0	6.0
GRAND SLAM 2 (PST-2GSM)	6.7	5.0	5.8
REPELL GLS	7.0	4.7	5.8
ASP6001 (RTS)	7.3	4.3	5.8
PALACE (IS-PR 273)	8.0	3.3	5.7
ASP6005 (AJM)	7.3	4.0	5.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.3	4.0	5.7
E-99	7.0	4.3	5.7
CUTTER II (PM 101)	7.7	3.3	5.5
NEXUS XD (SP4)	6.0	5.0	5.5
DELAWARE XL (PICK 01-2)	5.7	5.0	5.3
SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	4.0	5.3
PALMER III	7.0	3.7	5.3
INSPIRE	6.3	4.0	5.2
BAR LP 4317	4.7	5.3	5.0
QUICKSILVER	7.0	3.0	5.0
BAR LP 4920	5.7	4.0	4.8
DP 17-9788	4.3	5.3	4.8
ZOOM (LCK)	5.3	4.0	4.7
LSD VALUE	1.9	2.1	1.4
C.V. (%)	14.6	25.8	18.9

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

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

TABLE 25. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	VA1	NAME	VA1
PIZZAZZ	7.7	PRESIDIO (CNV)	4.7
PALMER III	7.0	SECRETARIAT II GLSR (LTP-101-GLSR)	4.7
PICK 02-R	7.0	SRX 4682	4.7
BAR LP 4420	6.7	SUNSHINE 2	4.7
DASHER 3 (PICK RB-1)	6.7	TOP GUN II (JR-324)	4.7
PINNACLE II	6.7	ASP6001 (RTS)	4.3
PM 102	6.7	BARLENNIUM	4.3
AFFINITY	6.3	DP 17-9788	4.3
BAR LP 4317	6.3	EDGE II (AC2)	4.3
MACH I	6.3	FUSION	4.3
REGAL 5 (IS-PR 271)	6.3	HARRIER (SRX 4UP3)	4.3
DELAWARE XL (PICK 01-2)	6.0	KEYSTONE 2 (IS-PR 312)	4.3
FOREVER (DP 17-9499)	6.0	LPR 02203	4.3
PANTHER	6.0	MAJESTY II (VB77)	4.3
VB99	6.0	NEXUS XR (SNR)	4.3
BAR LP 4920	5.7	NOTABLE (AF)	4.3
BREA (04-BRE)	5.7	PALMER IV	4.3
GALATTI (DP 17-9502)	5.7	PARAGON GLR	4.3
HALO (KN42)	5.7	PLEASURE SUPREME (PM 103)	4.3
HAWKEYE 2 (SRX 4692)	5.7	STELLAR GL (IS-PR 236)	4.3
PIANIST (DP 17-9505)	5.7	WIND DANCE 2 (PWDR)	4.3
PROTEGE GLR	5.7	ACCENT II (JR-119)	4.0
1G SQUARED (APR 1664)	5.3	APPLE GL (AAZ-B104)	4.0
ASP6003 (TRS)	5.3	CHIVALRY (APR 1648)	4.0
CUTTER II (PM 101)	5.3	ASP6005 (AJM)	4.0
DEFENDER (D04-UP)	5.3	BRIGHTSTAR SLT	4.0
HEADSTART 2	5.3	D04-LP05	4.0
LINE DRIVE GLS (APR 1797)	5.3	DART (APR 1663)	4.0
NEXUS XD (SP4)	5.3	FIREBOLT (PRG HS-01-09)	4.0
PACESETTER II (PS-2)	5.3	HOMERUN (RG3P)	4.0
PREMIER	5.3	PENTIUM	4.0
UNO (D04-11T)	5.3	PHENOM (APR 1660)	4.0
CITATION FORE	5.0	PINNACLE	4.0
INSPIRE	5.0	REPELL GLS	4.0
LINN	5.0	REVENGE GLX (JR-348)	4.0
OVERDRIVE	5.0	RINGER II (04-BEN)	4.0
PALACE (IS-PR 273)	5.0	SR 4600 (SRX 4SP)	4.0
PALMER V (RNS)	5.0	AMAZING GS (IS-PR 276)	3.7
PREMIER II	5.0	ASP6002 (BPR)	3.7
SOPRANO (DP1)	5.0	ASP6004 (EXS54)	3.7
TRANSFORMER (D04-1667)	5.0	ASP6006 (LPFG)	3.7
WAYFARER (L44)	5.0	BACCARAT (RAD-PR8)	3.7
ZOOM (LCK)	5.0	CABO II (IS-PR 233)	3.7
DERBY XTREME (IS-PR 268)	4.7	CALYPSO 3 (MS2)	3.7
FIJI (GPR)	4.7	MMW	3.7
		MONTEREY 3 (JR-408)	3.7

TABLE 25. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

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

NAME	VA1
ALLSTAR 3 (IS-PR 274)	3.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	3.3
ES45	3.3
FIESTA 4 (PICK F4)	3.3
GRAND SLAM 2 (PST-2GSM)	3.3
GRAY STAR (PST-2LGL)	3.3
PLATEAU (PST-2LAN)	3.3
PST-2AG4	3.3
CADDIESHACK II (JR-163)	3.0
EXACTA II GLSR (LTP-611-GLSR)	3.0
GOALKEEPER II (JR-114)	3.0
LA QUINTA (JR-255)	3.0
LS 2300 (APR 1670)	3.0
MANHATTAN 5 GLR (PST-2AM)	3.0
PANTHER GLS	3.0
PROTOTYPE (DCM)	3.0
QUICKSILVER	3.0
TR47	3.0
ATTRIBUTE (IS-PR 270)	2.7
E-99	2.7
PRIMARY (IS-PR 269)	2.7
PST-217	2.7
PST-2BLK	2.7
SILVER DOLLAR	2.7
GRAY FOX (PST-2MNG)	2.3
KOKOMO II (IS-PR 235)	2.3
PALMER GLS (GL-2)	2.3
BUENA VISTA	2.0
LSD VALUE	2.9
C.V. (%)	40.5

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 26.

SEEDHEAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	MA1	NAME	MA1
ASP6004 (EXS54)	8.3	MONTEREY 3 (JR-408)	7.0
ASP6003 (TRS)	8.0	NEXUS XD (SP4)	7.0
HALO (KN42)	8.0	PALMER V (RNS)	7.0
HOMERUN (RG3P)	8.0	PLATEAU (PST-2LAN)	7.0
PST-217	8.0	PM 102	7.0
TR47	8.0	QUICKSILVER	7.0
ZOOM (LCK)	8.0	TOP GUN II (JR-324)	7.0
BACCARAT (RAD-PR8)	7.7	UNO (D04-11T)	7.0
BARLENNIUM	7.7	WIND DANCE 2 (PWDR)	7.0
FOREVER (DP 17-9499)	7.7	1G SQUARED (APR 1664)	6.7
LA QUINTA (JR-255)	7.7	APPLE GL (AAZ-B104)	6.7
MANHATTAN 5 GLR (PST-2AM)	7.7	CHIVALRY (APR 1648)	6.7
PANTHER	7.7	BAR LP 4420	6.7
PARAGON GLR	7.7	CUTTER II (PM 101)	6.7
PICK 02-R	7.7	DART (APR 1663)	6.7
PLEASURE SUPREME (PM 103)	7.7	DELAWARE XL (PICK 01-2)	6.7
PRESIDIO (CNV)	7.7	FIREBOLT (PRG HS-01-09)	6.7
ACCENT II (JR-119)	7.3	GOALKEEPER II (JR-114)	6.7
ALLSTAR 3 (IS-PR 274)	7.3	GRAY FOX (PST-2MNG)	6.7
ASP6001 (RTS)	7.3	GRAY STAR (PST-2LGL)	6.7
ASP6002 (BPR)	7.3	KEYSTONE 2 (IS-PR 312)	6.7
ASP6005 (AJM)	7.3	LINE DRIVE GLS (APR 1797)	6.7
BREA (04-BRE)	7.3	OVERDRIVE	6.7
CALYPSO 3 (MS2)	7.3	PACESETTER II (PS-2)	6.7
ES45	7.3	PREMIER	6.7
FIJI (GPR)	7.3	PREMIER II	6.7
FUSION	7.3	SECRETARIAT II GLSR (LTP-101-GLSR)	6.7
MAJESTY II (VB77)	7.3	SR 4600 (SRX 4SP)	6.7
NEXUS XR (SNR)	7.3	ASP6006 (LPFG)	6.3
PROTOTYPE (DCM)	7.3	BAR LP 4317	6.3
PST-2AG4	7.3	BRIGHTSTAR SLT	6.3
SILVER DOLLAR	7.3	CHARISMATIC II GLSR (LTP-PG-GLSR)	6.3
SUNSHINE 2	7.3	DASHER 3 (PICK RB-1)	6.3
VB99	7.3	E-99	6.3
AMAZING GS (IS-PR 276)	7.0	FIESTA 4 (PICK F4)	6.3
BAR LP 4920	7.0	PALMER IV	6.3
CADDIESHACK II (JR-163)	7.0	PENTIUM	6.3
DERBY XTREME (IS-PR 268)	7.0	PIANIST (DP 17-9505)	6.3
EDGE II (AC2)	7.0	PINNACLE	6.3
GALATTI (DP 17-9502)	7.0	PRIMARY (IS-PR 269)	6.3
GRAND SLAM 2 (PST-2GSM)	7.0	PST-2BLK	6.3
INSPIRE	7.0	REVENGE GLX (JR-348)	6.3
LPR 02203	7.0	SRX 4682	6.3
MACH I	7.0	TRANSFORMER (D04-1667)	6.3
MMW	7.0	AFFINITY	6.0
		CITATION FORE	6.0

TABLE 26. SEEDHEAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	MA1
DEFENDER (D04-UP)	6.0
HEADSTART 2	6.0
LINN	6.0
NOTABLE (AF)	6.0
PALACE (IS-PR 273)	6.0
PANTHER GLS	6.0
PHENOM (APR 1660)	6.0
PROTEGE GLR	6.0
REGAL 5 (IS-PR 271)	6.0
REPELL GLS	6.0
RINGER II (04-BEN)	6.0
SOPRANO (DP1)	6.0
WAYFARER (L44)	6.0
CABO II (IS-PR 233)	5.7
LS 2300 (APR 1670)	5.7
PALMER III	5.7
PINNACLE II	5.7
PIZZAZZ	5.7
STELLAR GL (IS-PR 236)	5.7
BUENA VISTA	5.3
D04-LP05	5.3
DP 17-9788	5.3
EXACTA II GLSR (LTP-611-GLSR)	5.3
KOKOMO II (IS-PR 235)	5.3
PALMER GLS (GL-2)	5.3
ATTRIBUTE (IS-PR 270)	5.0
HARRIER (SRX 4UP3)	4.7
HAWKEYE 2 (SRX 4692)	4.7
LSD VALUE	1.5
C.V. (%)	13.9

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

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

TABLE 27.

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	MA1	NAME	MA1
SRX 4682	9.0	PALMER V (RNS)	7.7
ACCENT II (JR-119)	8.3	PHENOM (APR 1660)	7.7
LS 2300 (APR 1670)	8.3	PREMIER II	7.7
MANHATTAN 5 GLR (PST-2AM)	8.3	PROTOTYPE (DCM)	7.7
PIANIST (DP 17-9505)	8.3	SILVER DOLLAR	7.7
SECRETARIAT II GLSR (LTP-101-GLSR)	8.3	STELLAR GL (IS-PR 236)	7.7
SR 4600 (SRX 4SP)	8.3	UNO (D04-11T)	7.7
TRANSFORMER (D04-1667)	8.3	CHIVALRY (APR 1648)	7.3
ZOOM (LCK)	8.3	ATTRIBUTE (IS-PR 270)	7.3
1G SQUARED (APR 1664)	8.0	CADDIESHACK II (JR-163)	7.3
ALLSTAR 3 (IS-PR 274)	8.0	DART (APR 1663)	7.3
ASP6001 (RTS)	8.0	DEFENDER (D04-UP)	7.3
BACCARAT (RAD-PR8)	8.0	DELAWARE XL (PICK 01-2)	7.3
BAR LP 4317	8.0	DERBY XTREME (IS-PR 268)	7.3
BARLENNIUM	8.0	EDGE II (AC2)	7.3
BUENA VISTA	8.0	GOALKEEPER II (JR-114)	7.3
CABO II (IS-PR 233)	8.0	HEADSTART 2	7.3
DP 17-9788	8.0	HOMERUN (RG3P)	7.3
EXACTA II GLSR (LTP-611-GLSR)	8.0	NOTABLE (AF)	7.3
FIESTA 4 (PICK F4)	8.0	PALACE (IS-PR 273)	7.3
FIJI (GPR)	8.0	PARAGON GLR	7.3
FOREVER (DP 17-9499)	8.0	PIZZAZZ	7.3
GRAY STAR (PST-2LGL)	8.0	PRIMARY (IS-PR 269)	7.3
HARRIER (SRX 4UP3)	8.0	PST-2AG4	7.3
LINE DRIVE GLS (APR 1797)	8.0	RINGER II (04-BEN)	7.3
MMW	8.0	SOPRANO (DP1)	7.3
PACESETTER II (PS-2)	8.0	AMAZING GS (IS-PR 276)	7.0
PANTHER GLS	8.0	BREA (04-BRE)	7.0
PENTIUM	8.0	BRIGHTSTAR SLT	7.0
PINNACLE II	8.0	CALYPSO 3 (MS2)	7.0
PREMIER	8.0	CUTTER II (PM 101)	7.0
PROTEGE GLR	8.0	FUSION	7.0
TOP GUN II (JR-324)	8.0	GRAY FOX (PST-2MNG)	7.0
AFFINITY	7.7	MAJESTY II (VB77)	7.0
APPLE GL (AAZ-B104)	7.7	MONTEREY 3 (JR-408)	7.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	NEXUS XD (SP4)	7.0
CITATION FORE	7.7	OVERDRIVE	7.0
DASHER 3 (PICK RB-1)	7.7	PALMER III	7.0
E-99	7.7	PLATEAU (PST-2LAN)	7.0
FIREBOLT (PRG HS-01-09)	7.7	PST-217	7.0
GRAND SLAM 2 (PST-2GSM)	7.7	REGAL 5 (IS-PR 271)	7.0
HAWKEYE 2 (SRX 4692)	7.7	REPELL GLS	7.0
KEYSTONE 2 (IS-PR 312)	7.7	REVENGE GLX (JR-348)	7.0
LPR 02203	7.7	TR47	7.0
PALMER GLS (GL-2)	7.7	VB99	7.0
		WIND DANCE 2 (PWDR)	7.0

TABLE 27.  
(CONT'D)

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	MA1
ASP6003 (TRS)	6.7
D04-LP05	6.7
HALO (KN42)	6.7
KOKOMO II (IS-PR 235)	6.7
PALMER IV	6.7
PRESIDIO (CNV)	6.7
PST-2BLK	6.7
SUNSHINE 2	6.7
WAYFARER (L44)	6.7
ASP6004 (EXS54)	6.3
LA QUINTA (JR-255)	6.3
NEXUS XR (SNR)	6.3
PANTHER	6.3
QUICKSILVER	6.3
ASP6002 (BPR)	6.0
ASP6005 (AJM)	6.0
INSPIRE	6.0
MACH I	6.0
PINNACLE	6.0
PLEASURE SUPREME (PM 103)	6.0
PM 102	6.0
ASP6006 (LPFG)	5.7
BAR LP 4420	5.7
BAR LP 4920	5.7
GALATTI (DP 17-9502)	5.7
PICK 02-R	5.7
ES45	5.0
LINN	2.0
LSD VALUE	1.5
C.V. (%)	13.0

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

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

TABLE 28.

SUMMER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	WI1	NAME	WI1
EDGE II (AC2)	9.0	MONTEREY 3 (JR-408)	8.0
BRIGHTSTAR SLT	8.7	NEXUS XD (SP4)	8.0
CUTTER II (PM 101)	8.7	PALMER IV	8.0
HALO (KN42)	8.7	PANTHER GLS	8.0
PALACE (IS-PR 273)	8.7	PLEASURE SUPREME (PM 103)	8.0
PALMER V (RNS)	8.7	PROTEGE GLR	8.0
PICK 02-R	8.7	PST-217	8.0
SOPRANO (DP1)	8.7	PST-2AG4	8.0
SUNSHINE 2	8.7	SILVER DOLLAR	8.0
UNO (D04-11T)	8.7	WAYFARER (L44)	8.0
VB99	8.7	ALLSTAR 3 (IS-PR 274)	7.7
ACCENT II (JR-119)	8.3	AMAZING GS (IS-PR 276)	7.7
APPLE GL (AAZ-B104)	8.3	CHIVALRY (APR 1648)	7.7
ASP6002 (BPR)	8.3	ASP6001 (RTS)	7.7
ASP6003 (TRS)	8.3	ASP6004 (EXS54)	7.7
BAR LP 4420	8.3	CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7
BAR LP 4920	8.3	CITATION FORE	7.7
DASHER 3 (PICK RB-1)	8.3	ES45	7.7
DELAWARE XL (PICK 01-2)	8.3	EXACTA II GLSR (LTP-611-GLSR)	7.7
FIJI (GPR)	8.3	FIREBOLT (PRG HS-01-09)	7.7
FUSION	8.3	GOALKEEPER II (JR-114)	7.7
INSPIRE	8.3	HARRIER (SRX 4UP3)	7.7
KEYSTONE 2 (IS-PR 312)	8.3	HAWKEYE 2 (SRX 4692)	7.7
MMW	8.3	KOKOMO II (IS-PR 235)	7.7
PALMER GLS (GL-2)	8.3	MAJESTY II (VB77)	7.7
PLATEAU (PST-2LAN)	8.3	MANHATTAN 5 GLR (PST-2AM)	7.7
PROTOTYPE (DCM)	8.3	NEXUS XR (SNR)	7.7
REGAL 5 (IS-PR 271)	8.3	NOTABLE (AF)	7.7
TR47	8.3	OVERDRIVE	7.7
ZOOM (LCK)	8.3	PACESETTER II (PS-2)	7.7
1G SQUARED (APR 1664)	8.0	PARAGON GLR	7.7
ASP6005 (AJM)	8.0	PIANIST (DP 17-9505)	7.7
ASP6006 (LPFG)	8.0	PINNACLE II	7.7
ATTRIBUTE (IS-PR 270)	8.0	PM 102	7.7
BACCARAT (RAD-PR8)	8.0	PREMIER II	7.7
BUENA VISTA	8.0	PRESIDIO (CNV)	7.7
CALYPSO 3 (MS2)	8.0	QUICKSILVER	7.7
D04-LP05	8.0	REPELL GLS	7.7
DART (APR 1663)	8.0	SECRETARIAT II GLSR (LTP-101-GLSR)	7.7
DERBY XTREME (IS-PR 268)	8.0	SR 4600 (SRX 4SP)	7.7
FIESTA 4 (PICK F4)	8.0	STELLAR GL (IS-PR 236)	7.7
GALATTI (DP 17-9502)	8.0	CABO II (IS-PR 233)	7.3
GRAND SLAM 2 (PST-2GSM)	8.0	CADDIESHACK II (JR-163)	7.3
HEADSTART 2	8.0	DEFENDER (D04-UP)	7.3
LA QUINTA (JR-255)	8.0	DP 17-9788	7.3
		GRAY FOX (PST-2MNG)	7.3

TABLE 28. SUMMER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

SUMMER COLOR RATINGS 1-9; 9=BEST 2/	
NAME	WI1
HOMERUN (RG3P)	7.3
LINE DRIVE GLS (APR 1797)	7.3
MACH I	7.3
PALMER III	7.3
PIZZAZZ	7.3
PRIMARY (IS-PR 269)	7.3
PST-2BLK	7.3
REVENGE GLX (JR-348)	7.3
RINGER II (04-BEN)	7.3
SRX 4682	7.3
WIND DANCE 2 (PWDR)	7.3
BAR LP 4317	7.0
BARLENNIUM	7.0
BREA (04-BRE)	7.0
E-99	7.0
FOREVER (DP 17-9499)	7.0
LPR 02203	7.0
LS 2300 (APR 1670)	7.0
PANTHER	7.0
PINNACLE	7.0
PREMIER	7.0
TOP GUN II (JR-324)	7.0
TRANSFORMER (D04-1667)	7.0
AFFINITY	6.7
GRAY STAR (PST-2LGL)	6.7
LINN	6.3
PENTIUM	6.3
PHENOM (APR 1660)	5.3
LSD VALUE	1.4
C.V. (%)	11.4

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 29.

SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA

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

NAME	UT1	NAME	UT1
DERBY XTREME (IS-PR 268)	8.0	SUNSHINE 2	5.7
PARAGON GLR	7.7	TOP GUN II (JR-324)	5.7
ZOOM (LCK)	7.7	WIND DANCE 2 (PWDR)	5.7
1G SQUARED (APR 1664)	7.3	ASP6006 (LPFG)	5.3
HARRIER (SRX 4UP3)	7.3	DART (APR 1663)	5.3
PROTOTYPE (DCM)	7.3	FIJI (GPR)	5.3
AMAZING GS (IS-PR 276)	7.0	HAWKEYE 2 (SRX 4692)	5.3
APPLE GL (AAZ-B104)	7.0	HOMERUN (RG3P)	5.3
FOREVER (DP 17-9499)	7.0	KOKOMO II (IS-PR 235)	5.3
OVERDRIVE	7.0	MONTEREY 3 (JR-408)	5.3
BAR LP 4920	6.7	PALMER GLS (GL-2)	5.3
DEFENDER (D04-UP)	6.7	PLEASURE SUPREME (PM 103)	5.3
KEYSTONE 2 (IS-PR 312)	6.7	PM 102	5.3
PALMER V (RNS)	6.7	PRESIDIO (CNV)	5.3
SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	PROTEGE GLR	5.3
SOPRANO (DP1)	6.7	REVENGE GLX (JR-348)	5.3
CALYPSO 3 (MS2)	6.3	SILVER DOLLAR	5.3
GRAND SLAM 2 (PST-2GSM)	6.3	SR 4600 (SRX 4SP)	5.3
MACH I	6.3	WAYFARER (L44)	5.3
MAJESTY II (VB77)	6.3	ASP6003 (TRS)	5.0
PALACE (IS-PR 273)	6.3	ASP6004 (EXS54)	5.0
PANTHER GLS	6.3	ATTRIBUTE (IS-PR 270)	5.0
REGAL 5 (IS-PR 271)	6.3	BAR LP 4420	5.0
STELLAR GL (IS-PR 236)	6.3	BREA (04-BRE)	5.0
CHIVALRY (APR 1648)	6.0	CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0
ASP6001 (RTS)	6.0	E-99	5.0
BACCARAT (RAD-PR8)	6.0	EDGE II (AC2)	5.0
INSPIRE	6.0	EXACTA II GLSR (LTP-611-GLSR)	5.0
PALMER IV	6.0	FUSION	5.0
PINNACLE	6.0	GRAY FOX (PST-2MNG)	5.0
PINNACLE II	6.0	GRAY STAR (PST-2LGL)	5.0
REPELL GLS	6.0	PALMER III	5.0
TRANSFORMER (D04-1667)	6.0	PANTHER	5.0
ACCENT II (JR-119)	5.7	PIANIST (DP 17-9505)	5.0
ALLSTAR 3 (IS-PR 274)	5.7	PREMIER II	5.0
ASP6002 (BPR)	5.7	PRIMARY (IS-PR 269)	5.0
BAR LP 4317	5.7	UNO (D04-11T)	5.0
BARLENNIUM	5.7	AFFINITY	4.7
BUENA VISTA	5.7	ASP6005 (AJM)	4.7
CITATION FORE	5.7	BRIGHTSTAR SLT	4.7
DASHER 3 (PICK RB-1)	5.7	CADDIESHACK II (JR-163)	4.7
FIESTA 4 (PICK F4)	5.7	CUTTER II (PM 101)	4.7
LS 2300 (APR 1670)	5.7	DP 17-9788	4.7
MANHATTAN 5 GLR (PST-2AM)	5.7	ES45	4.7
PENTIUM	5.7	PICK 02-R	4.7
		PIZZAZZ	4.7

TABLE 29. SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA

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

NAME	UT1
CABO II (IS-PR 233)	4.3
D04-LP05	4.3
DELAWARE XL (PICK 01-2)	4.3
HALO (KN42)	4.3
LA QUINTA (JR-255)	4.3
LINE DRIVE GLS (APR 1797)	4.3
MMW	4.3
NEXUS XD (SP4)	4.3
NOTABLE (AF)	4.3
PST-217	4.3
PST-2AG4	4.3
VB99	4.3
PACESETTER II (PS-2)	4.0
PHENOM (APR 1660)	4.0
PLATEAU (PST-2LAN)	4.0
PREMIER	4.0
RINGER II (04-BEN)	4.0
SRX 4682	4.0
FIREBOLT (PRG HS-01-09)	3.7
GOALKEEPER II (JR-114)	3.7
NEXUS XR (SNR)	3.7
GALATTI (DP 17-9502)	3.3
HEADSTART 2	3.3
LPR 02203	3.3
QUICKSILVER	3.3
LINN	2.3
PST-2BLK	2.3
TR47	2.3
LSD VALUE	2.6
C.V. (%)	30.6

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 30.

PERCENT RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2009 DATA 2/

NAME	RI1	NAME	RI1
DART (APR 1663)	33.7	FOREVER (DP 17-9499)	21.3
GRAY STAR (PST-2LGL)	28.7	PALMER IV	21.3
CUTTER II (PM 101)	28.0	PREMIER II	21.3
TR47	28.0	PST-2AG4	21.3
PALMER III	27.3	AFFINITY	21.0
FIJI (GPR)	27.0	ASP6004 (EXS54)	21.0
GRAY FOX (PST-2MNG)	27.0	BARLENNIUM	21.0
REVENGE GLX (JR-348)	27.0	LINE DRIVE GLS (APR 1797)	21.0
SUNSHINE 2	26.7	PACESETTER II (PS-2)	21.0
ASP6006 (LPFG)	26.3	FUSION	20.7
DELAWARE XL (PICK 01-2)	26.3	NEXUS XR (SNR)	20.7
FIREBOLT (PRG HS-01-09)	26.0	PANTHER GLS	20.7
ASP6005 (AJM)	25.3	REPELL GLS	20.7
E-99	25.3	GALATTI (DP 17-9502)	20.3
LINN	25.3	HOMERUN (RG3P)	20.3
PHENOM (APR 1660)	25.3	NOTABLE (AF)	20.3
CHIVALRY (APR 1648)	25.0	APPLE GL (AAZ-B104)	20.0
PICK 02-R	25.0	ASP6002 (BPR)	20.0
SILVER DOLLAR	24.7	BAR LP 4317	20.0
CITATION FORE	24.3	BRIGHTSTAR SLT	20.0
PROTEGE GLR	24.3	CABO II (IS-PR 233)	20.0
ACCENT II (JR-119)	24.0	EDGE II (AC2)	20.0
PALMER V (RNS)	24.0	SR 4600 (SRX 4SP)	20.0
BAR LP 4420	23.7	UNO (D04-11T)	20.0
ES45	23.7	D04-LP05	19.7
QUICKSILVER	23.7	KOKOMO II (IS-PR 235)	19.7
RINGER II (04-BEN)	23.7	PENTIUM	19.7
TOP GUN II (JR-324)	23.7	PIZZAZZ	19.7
HALO (KN42)	23.3	DASHER 3 (PICK RB-1)	19.3
WIND DANCE 2 (PWDR)	23.3	EXACTA II GLSR (LTP-611-GLSR)	19.3
PARAGON GLR	23.0	KEYSTONE 2 (IS-PR 312)	19.3
PINNACLE II	23.0	LA QUINTA (JR-255)	19.3
ASP6003 (TRS)	22.7	MANHATTAN 5 GLR (PST-2AM)	19.3
GRAND SLAM 2 (PST-2GSM)	22.7	MMW	19.3
PALACE (IS-PR 273)	22.7	PST-217	19.3
DP 17-9788	22.5	PST-2BLK	19.3
BAR LP 4920	22.3	1G SQUARED (APR 1664)	19.0
BREA (04-BRE)	22.3	CALYPSO 3 (MS2)	19.0
LS 2300 (APR 1670)	22.3	DERBY XTREME (IS-PR 268)	19.0
WAYFARER (L44)	22.3	HAWKEYE 2 (SRX 4692)	19.0
BACCARAT (RAD-PR8)	22.0	INSPIRE	19.0
PALMER GLS (GL-2)	22.0	MACH I	19.0
PLATEAU (PST-2LAN)	22.0	NEXUS XD (SP4)	19.0
PLEASURE SUPREME (PM 103)	22.0	ASP6001 (RTS)	18.7
FIESTA 4 (PICK F4)	21.7	HEADSTART 2	18.7
		PM 102	18.7

TABLE 30. PERCENT RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2009 DATA 2/

NAME	RI1
PREMIER	18.7
PRESIDIO (CNV)	18.7
TRANSFORMER (D04-1667)	18.7
ALLSTAR 3 (IS-PR 274)	17.7
ATTRIBUTE (IS-PR 270)	17.7
BUENA VISTA	17.7
PINNACLE	17.7
VB99	17.7
GOALKEEPER II (JR-114)	17.0
PRIMARY (IS-PR 269)	17.0
AMAZING GS (IS-PR 276)	16.7
PANTHER	16.7
PIANIST (DP 17-9505)	16.5
HARRIER (SRX 4UP3)	16.3
MAJESTY II (VB77)	16.3
OVERDRIVE	16.3
STELLAR GL (IS-PR 236)	16.3
DEFENDER (D04-UP)	16.0
LPR 02203	16.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	15.7
PROTOTYPE (DCM)	15.7
SRX 4682	15.7
REGAL 5 (IS-PR 271)	15.3
SECRETARIAT II GLSR (LTP-101-GLSR)	15.3
ZOOM (LCK)	15.3
CADDIESHACK II (JR-163)	14.7
MONTEREY 3 (JR-408)	14.0
SOPRANO (DP1)	11.7
LSD VALUE	9.7
C.V. (%)	29.0

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.

## TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY	MAXIMUM	NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/		MEAN 1/	IN TOP 25% 2/
1G SQUARED (APR 1664)	5.6	5.6	GOALKEEPER II (JR-114)	5.6	16.7
ACCENT II (JR-119)	5.6	16.7	GRAND SLAM 2 (PST-2GSM)	5.9	44.4
AFFINITY	4.7	0.0	GRAY FOX (PST-2MNG)	5.7	33.3
ALLSTAR 3 (IS-PR 274)	6.0	61.1	GRAY STAR (PST-2LGL)	5.5	11.1
AMAZING GS (IS-PR 276)	5.9	50.0	HALO (KN42)	5.3	11.1
APPLE GL (AAZ-B104)	6.0	50.0	HARRIER (SRX 4UP3)	5.7	22.2
CHIVALRY (APR 1648)	5.9	38.9	HAWKEYE 2 (SRX 4692)	5.5	16.7
ASP6001 (RTS)	5.5	11.1	HEADSTART 2	5.3	0.0
ASP6002 (BPR)	5.5	22.2	HOMERUN (RG3P)	6.1	72.2
ASP6003 (TRS)	5.6	22.2	INSPIRE	5.4	0.0
ASP6004 (EXS54)	5.8	33.3	KEYSTONE 2 (IS-PR 312)	5.9	44.4
ASP6005 (AJM)	5.4	16.7	KOKOMO II (IS-PR 235)	5.9	55.6
ASP6006 (LPGF)	5.5	16.7	LA QUINTA (JR-255)	5.4	22.2
ATTRIBUTE (IS-PR 270)	5.9	61.1	LINE DRIVE GLS (APR 1797)	5.7	22.2
BACCARAT (RAD-PR8)	5.6	16.7	LINN	2.7	0.0
BAR LP 4317	5.5	16.7	LPR 02203	4.6	5.6
BAR LP 4420	5.4	5.6	LS 2300 (APR 1670)	5.5	11.1
BAR LP 4920	5.2	5.6	MACH I	5.5	22.2
BARLENNIUM	5.3	11.1	MAJESTY II (VB77)	5.7	33.3
BREA (04-BRE)	5.3	5.6	MANHATTAN 5 GLR (PST-2AM)	5.8	33.3
BRIGHTSTAR SLT	5.5	22.2	MMW	5.8	33.3
BUENA VISTA	5.7	22.2	MONTEREY 3 (JR-408)	5.5	11.1
CABO II (IS-PR 233)	5.4	11.1	NEXUS XD (SP4)	5.5	16.7
CADDIESHACK II (JR-163)	5.6	38.9	NEXUS XR (SNR)	5.5	16.7
CALYPSO 3 (MS2)	5.7	33.3	NOTABLE (AF)	5.8	27.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.7	27.8	OVERDRIVE	5.8	33.3
CITATION FORE	5.7	27.8	PACESETTER II (PS-2)	5.5	5.6
CUTTER II (PM 101)	5.7	22.2	PALACE (IS-PR 273)	5.9	55.6
D04-LP05	5.5	22.2	PALMER GLS (GL-2)	5.8	44.4
DART (APR 1663)	5.6	22.2	PALMER III	5.2	5.6
DASHER 3 (PICK RB-1)	5.8	22.2	PALMER IV	6.0	50.0
DEFENDER (D04-UP)	5.6	22.2	PALMER V (RNS)	6.0	61.1
DELAWARE XL (PICK 01-2)	5.5	0.0	PANTHER	4.8	0.0
DERBY XTREME (IS-PR 268)	5.9	55.6	PANTHER GLS	5.9	50.0
DP 17-9788	5.3	11.1	PARAGON GLR	6.0	44.4
E-99	5.5	16.7	PENTIUM	5.6	22.2
EDGE II (AC2)	5.7	22.2	PHENOM (APR 1660)	5.3	0.0
ES45	5.5	22.2	PIANIST (DP 17-9505)	5.2	11.1
EXACTA II GLSR (LTP-611-GLSR)	6.0	61.1	PICK 02-R	5.2	11.1
FIESTA 4 (PICK F4)	6.0	61.1	PINNACLE	4.6	5.6
FIJI (GPR)	5.6	16.7	PINNACLE II	5.5	16.7
FIREBOLT (PRG HS-01-09)	5.6	27.8	PIZZAZZ	5.4	16.7
FOREVER (DP 17-9499)	5.4	11.1	PLATEAU (PST-2LAN)	5.6	38.9
FUSION	5.5	5.6	PLEASURE SUPREME (PM 103)	5.7	16.7
GALATTI (DP 17-9502)	5.3	5.6	PM 102	5.3	0.0

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS \*/  
(CONT'D) 2009 DATA

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

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
PREMIER	4.6	5.6
PREMIER II	5.2	0.0
PRESIDIO (CNV)	5.5	22.2
PRIMARY (IS-PR 269)	5.8	38.9
PROTEGE GLR	5.8	44.4
PROTOTYPE (DCM)	5.8	38.9
PST-217	5.6	5.6
PST-2AG4	5.6	22.2
PST-2BLK	5.5	16.7
QUICKSILVER	5.3	0.0
REGAL 5 (IS-PR 271)	5.8	55.6
REPELL GLS	5.6	22.2
REVENGE GLX (JR-348)	6.0	50.0
RINGER II (O4-BEN)	5.5	22.2
SECRETARIAT II GLSR (LTP-101-GLSR)	5.7	33.3
SILVER DOLLAR	5.9	27.8
SOPRANO (DP1)	5.9	55.6
SR 4600 (SRX 4SP)	5.9	27.8
SRX 4682	5.3	0.0
STELLAR GL (IS-PR 236)	5.8	33.3
SUNSHINE 2	5.3	5.6
TOP GUN II (JR-324)	5.7	16.7
TR47	5.6	22.2
TRANSFORMER (D04-1667)	6.0	33.3
UNO (D04-11T)	5.9	50.0
VB99	5.6	38.9
WAYFARER (L44)	5.3	5.6
WIND DANCE 2 (PWDR)	5.6	27.8
ZOOM (LCK)	6.0	66.7
LSD VALUE	0.2	
C.V. (%)	11.5	

\*/ 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.