

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.

Executive Director - Kevin N. Morris, National Turfgrass Evaluation Program, Inc.

CURRENT POLICY COMMITTEE MEMBERS:

Dr. Melodee Fraser, Pure-Seed Testing, Inc.
Mr. Steve Tubbs, Turf Merchants, Inc.
Dr. Jeff Nus, USGA Green Section
Dr. Michael Richardson, University of Arkansas
Dr. David Kopec, University of Arizona
Mr. Warren Bell, Biograss Sod Farms
Dr. Clark Throssell, Golf Course Superintendents Assoc. of America
Dr. Ken Diesburg, Southern Illinois University
Mr. Pat McClain, Burlingham Seeds
Dr. Scott Ebdon, University of Massachusetts

FOR ADDITIONAL REPORTS OR INFORMATION CONTACT:

Kevin Morris, Executive Director
National Turfgrass Evaluation Program
Beltsville Agricultural Research Center-West
Building 005, Room 307
Beltsville, Maryland 20705
kmorris@ntep.org
www.ntep.org

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A Guide to NTEP Turfgrass Ratings

Introduction

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

General Considerations

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

Turfgrass Quality

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

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

Other Ratings

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

2004 NATIONAL PERENNIAL RYEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2008

<u>State</u>	<u>Location</u>	<u>Code</u>
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Michigan	East Lansing (Traffic Study)	MI2
Minnesota	St. Paul	MN1
Missouri	Columbia	MO1
Nebraska	Mead	NE1
Nebraska	Mead (Traffic Study)	NE2
New Jersey	North Brunswick	NJ1
Oregon	Corvallis	OR1
Pennsylvania	University Park	PA1
Rhode Island	Kingston	RI1
South Dakota	Brookings	SD1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
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	APR 1648	Ultra-Turf
33	MMW	Pennington Seed Company	*73	Homerun (RG3P)	Mountain View Seeds	113	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	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 2009.

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

TABLE A.

2008 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
IA1	LOAM	7.1-7.5	0-60	0-150	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
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
IL2	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	7.1-7.5	151-270	376-500	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY
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	0-150	2.1-3.0	FULL SUN	0.0-0.5	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
MI2	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
MN1	SILTY CLAY LOAM	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
MO1	SILT LOAM AND SILT	6.1-6.5	0-60	151-240	3.1-4.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
NE1	SILTY CLAY AND CLAY	6.6-7.0	0-60	0-150	0.0-1.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NE2	SILTY CLAY AND CLAY	6.6-7.0	0-60	0-150	0.0-1.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NJ1	SANDY LOAM	4.6-5.5	61-150	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OR1	SILTY CLAY LOAM	5.6-6.0	61-150	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	SILT LOAM AND SILT	4.6-5.5	-	-	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
SD1	SILTY CLAY LOAM	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UT1	SILT LOAM AND SILT	7.6-8.5	61-150	151-240	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
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	7.1-7.5	-	-	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2008

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
IA1				X	X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X	X	
IL2			X	X	X	X	X	X	X	X	X		X		
IN1				X	X	X	X	X	X	X			X	X	
KY1			X	X	X	X	X	X	X	X					
MA1			X	X	X	X	X	X	X	X	X		X	X	
MD1					X	X	X	X	X	X	X				
MI1				X	X	X	X	X	X	X			X	X	X
MI2					X	X	X	X			X				
MN1					X	X	X	X	X	X			X		
MO1			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	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	X	
SD1				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		X		
WA1					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 2008

LOCATION	WEAR TOLERANCE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	PERCENT WINTER KILL	TYPHULA BLIGHT	RED THREAD	BROWN PATCH WARM TEMP.	CROWN RUST	GRAY LEAF SPOT	PINK SNOW MOLD
IA1								X						
IL1														
IL2														
IN1														
KY1						X	X							
MA1									X		X			
MD1													X	
MI1		X	X	X	X	X	X							
MI2	X				X	X	X							
MN1														
MO1											X	X		X
NE1		X	X	X										
NE2		X	X	X										
NJ1	X			X						X				
OR1														
PA1														
RI1														
SD1					X		X							
UT1														
VA1										X				
WA1														
WI1														

TABLE B. LOCATIONS AND DATA COLLECTED IN 2008
(CONT'D)

LOCATION	SEEDHEAD RATINGS	POA ANNUA	SNOW MOLD	PERCENT DOLLAR SPOT
IA1				
IL1				
IL2				
IN1				
KY1				
MA1	X	X		
MD1				
MI1				
MI2				
MN1				
MO1				
NE1				
NE2				
NJ1				
OR1				
PA1				
RI1				X
SD1				
UT1			X	
VA1				
WA1				
WI1				

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" */
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	MD1	NE1	RI1	SD1	UT1	MEAN
* PARAGON GLR	8.0	6.3	6.5	7.6	5.8	6.4	6.8	6.8
* EXACTA II GLSR (LTP-611-GLSR)	7.2	6.8	6.3	7.9	6.1	6.0	7.0	6.7
* SOPRANO (DP1)	6.4	6.5	6.9	8.4	6.1	6.4	6.4	6.7
* DERBY XTREME (IS-PR 268)	6.6	6.3	6.8	7.8	6.3	6.1	7.1	6.7
* FIESTA 4 (PICK F4)	7.3	5.8	6.3	8.2	6.6	6.0	6.8	6.7
* UNO (D04-11T)	7.4	5.3	6.4	7.8	6.7	6.5	6.9	6.7
* PALMER V (RNS)	7.2	6.8	6.8	7.7	5.5	5.9	6.7	6.7
* KOKOMO II (IS-PR 235)	7.8	5.7	6.0	8.0	7.1	6.0	6.1	6.7
* MAJESTY II (VB77)	7.2	5.1	6.1	8.2	6.8	6.0	7.0	6.6
* HOMERUN (RG3P)	7.2	6.8	6.3	7.6	6.6	6.0	6.0	6.6
* GRAND SLAM 2 (PST-2GSM)	7.4	6.8	6.2	7.0	6.7	5.6	6.6	6.6
* SR 4600 (SRX 4SP)	6.5	6.5	6.3	7.8	6.3	5.9	6.9	6.6
* APPLE GL (AAZ-B104)	7.1	7.3	6.2	7.6	5.8	6.1	6.1	6.6
* ATTRIBUTE (IS-PR 270)	7.2	5.8	6.5	7.8	6.4	5.9	6.7	6.6
* PANTHER GLS	6.6	7.3	6.3	7.3	6.3	6.0	6.3	6.6
MMW	7.4	6.0	6.4	7.8	6.3	5.8	6.4	6.6
* DASHER 3 (PICK RB-1)	6.9	5.9	6.3	7.9	6.5	5.7	6.9	6.6
* 1G SQUARED (APR 1664)	7.0	6.3	6.1	7.8	6.4	6.1	6.5	6.6
* PALACE (IS-PR 273)	7.1	5.3	6.3	7.8	6.4	6.0	7.0	6.6
* ZOOM (LCK)	7.4	5.8	5.5	7.8	6.0	6.4	7.0	6.6
* HARRIER (SRX 4UP3)	6.8	6.7	6.6	7.1	5.9	6.0	6.7	6.5
* REGAL 5 (IS-PR 271)	7.1	5.3	6.1	7.9	6.7	5.8	6.9	6.5
* ALLSTAR 3 (IS-PR 274)	6.9	6.5	6.1	7.3	6.9	5.8	6.3	6.5
* PALMER IV	7.3	5.8	6.0	7.4	6.5	5.6	7.0	6.5
* REVENGE GLX (JR-348)	7.1	5.2	6.6	8.0	6.9	5.9	6.0	6.5
* AMAZING GS (IS-PR 276)	6.8	6.3	5.8	7.7	6.1	6.0	6.7	6.5
* LINE DRIVE GLS (APR 1797)	7.4	6.3	5.8	7.2	6.4	5.9	6.5	6.5
* OVERDRIVE	6.6	6.2	5.9	7.7	5.9	6.1	7.0	6.5
* ASP6004 (EXS54)	7.7	4.8	6.2	7.8	6.4	6.0	6.4	6.5
* PROTOTYPE (DCM)	7.1	6.0	6.2	7.4	6.2	6.1	6.2	6.5
VB99	7.5	4.2	6.0	8.2	6.2	6.3	6.9	6.5
* CUTTER II (PM 101)	7.5	4.7	5.9	8.4	6.2	6.0	6.6	6.5
* SILVER DOLLAR	7.1	6.5	6.0	7.5	5.7	6.0	6.2	6.4
APR 1648	7.3	4.1	5.8	8.2	5.8	6.7	7.0	6.4
* PRIMARY (IS-PR 269)	7.1	5.8	6.3	7.1	5.7	6.6	6.4	6.4
* CHARISMATIC II GLSR (LTP-PG-GLSR)	7.2	6.5	6.0	7.8	5.9	6.0	5.4	6.4
* LS 2300 (APR 1670)	6.7	6.5	6.0	7.0	6.0	6.0	6.4	6.4
* TRANSFORMER (D04-1667)	7.0	6.8	5.9	7.2	5.5	6.0	6.3	6.4
PALMER GLS (GL-2)	7.4	6.4	6.5	7.2	5.5	6.1	5.5	6.4
* KEYSTONE 2 (IS-PR 312)	6.9	6.1	6.0	7.1	5.9	6.2	6.4	6.4
* NOTABLE (AF)	7.0	6.6	6.3	7.5	5.6	6.0	5.3	6.3
* SECRETARIAT II GLSR (LTP-101-GLSR)	6.8	6.7	5.9	7.3	5.8	5.7	6.3	6.3
* BUENA VISTA	6.8	5.1	6.3	7.7	5.7	6.2	6.4	6.3
* WIND DANCE 2 (PWDR)	6.9	4.3	6.1	7.6	6.6	5.9	6.8	6.3
* CALYPSO 3 (MS2)	6.8	4.1	6.1	8.1	6.4	5.8	6.8	6.3

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" */
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	MD1	NE1	RI1	SD1	UT1	MEAN
* PHENOM (APR 1660)	7.5	5.7	6.5	7.1	5.0	5.9	6.3	6.3
* GRAY FOX (PST-2MNG)	6.7	6.8	5.7	7.6	6.0	5.5	5.6	6.3
* MACH I	7.7	4.3	5.6	8.2	6.0	6.1	6.0	6.3
* DART (APR 1663)	6.9	5.2	6.0	7.1	5.8	5.8	7.1	6.3
* REPELL GLS	6.6	5.6	6.2	7.2	6.0	5.7	6.4	6.2
* FIJI (GPR)	7.0	4.1	6.0	8.2	6.3	5.6	6.4	6.2
* ASP6006 (LPFG)	7.3	3.7	5.8	8.3	6.4	5.9	6.1	6.2
* CITATION FORE	6.7	6.7	6.1	7.3	5.2	5.8	5.7	6.2
* EDGE II (AC2)	6.8	4.7	5.7	7.9	6.4	5.9	6.1	6.2
* PROTEGE GLR	6.8	4.9	6.5	7.6	6.2	6.1	5.2	6.2
FOREVER (DP 17-9499)	6.8	4.3	5.7	7.9	6.1	6.0	6.7	6.2
TR47	7.2	4.0	5.7	8.2	6.8	6.1	5.3	6.2
* FUSION	7.2	4.3	5.9	7.8	6.3	6.0	5.8	6.2
* STELLAR GL (IS-PR 236)	6.7	5.2	6.0	7.5	6.0	5.7	6.0	6.2
* NEXUS XR (SNR)	7.5	4.0	5.9	7.9	5.8	6.1	6.0	6.2
* CADDIESHACK II (JR-163)	6.4	5.0	6.4	6.9	5.3	5.8	7.2	6.1
* PLATEAU (PST-2LAN)	6.7	6.0	6.1	6.5	5.6	5.6	6.4	6.1
* TOP GUN II (JR-324)	7.1	4.2	5.9	7.7	6.1	5.8	6.1	6.1
* ASP6003 (TRS)	7.0	3.8	5.4	8.4	6.5	5.8	5.7	6.1
* PST-2AG4	6.9	5.2	6.3	7.2	5.6	6.1	5.4	6.1
PST-2BLK	6.2	6.5	5.3	7.3	6.5	5.4	5.2	6.1
* MANHATTAN 5 GLR (PST-2AM)	6.5	6.3	5.9	7.2	5.6	5.3	5.7	6.1
* NEXUS XD (SP4)	7.2	3.3	6.0	7.8	6.8	5.9	5.5	6.1
BAR LP 4317	7.1	5.7	5.8	7.1	5.5	5.8	5.3	6.0
* CABO II (IS-PR 233)	6.9	4.6	5.4	7.5	6.1	5.7	6.2	6.0
* PLEASURE SUPREME (PM 103)	6.6	4.3	6.0	8.0	5.6	5.9	5.9	6.0
* HAWKEYE 2 (SRX 4692)	6.5	5.5	6.0	7.2	5.4	5.0	6.6	6.0
* LA QUINTA (JR-255)	6.2	4.2	5.7	7.8	5.8	6.3	6.1	6.0
* PENTIUM	6.5	5.1	5.9	6.7	5.9	6.1	5.9	6.0
E-99	6.7	4.2	6.2	7.2	5.7	5.8	6.3	6.0
* PRESIDIO (CNV)	6.6	4.0	6.0	7.7	6.0	5.9	5.7	6.0
* PINNACLE II	7.4	5.5	5.7	7.0	5.5	6.0	4.8	6.0
GALATTI (DP 17-9502)	6.4	3.8	5.6	7.5	5.8	6.2	6.6	6.0
ES45	7.0	4.0	6.1	7.9	6.3	5.8	4.7	6.0
* DELAWARE XL (PICK 01-2)	6.7	3.9	6.0	7.9	5.6	6.0	5.7	6.0
* BACCARAT (RAD-PR8)	6.0	5.3	5.4	7.2	5.8	5.9	6.2	6.0
* ASP6005 (AJM)	6.7	4.0	5.8	8.0	5.9	5.6	5.8	6.0
* ASP6002 (BPR)	7.1	3.1	5.6	8.3	5.5	5.9	6.1	6.0
PST-217	6.6	5.2	5.2	7.4	5.8	5.7	5.7	5.9
* ACCENT II (JR-119)	6.3	5.0	5.8	7.0	5.6	5.5	6.4	5.9
PM 102	5.8	2.9	6.0	8.5	6.5	5.7	6.0	5.9
* WAYFARER (L44)	6.4	2.9	5.6	8.3	6.6	5.9	5.8	5.9
BAR LP 4420	6.7	4.5	5.4	7.5	5.4	5.8	6.1	5.9
* INSPIRE	6.7	4.0	5.8	7.0	5.3	6.1	6.6	5.9
* HALO (KN42)	6.6	3.3	5.7	8.2	6.3	6.0	5.2	5.9
* FIREBOLT (PRG HS-01-09)	6.7	3.5	6.0	7.7	5.5	6.0	5.9	5.9

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" */
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	MD1	NE1	RI1	SD1	UT1	MEAN
* DEFENDER (D04-UP)	6.9	4.5	5.6	6.8	5.4	5.9	6.2	5.9
* BRIGHTSTAR SLT	6.2	3.8	6.0	7.2	6.3	5.6	6.2	5.9
* PIZAZZ	6.5	3.1	5.6	7.1	5.7	6.2	7.0	5.9
* SUNSHINE 2	6.4	3.3	5.3	7.7	5.6	5.9	6.9	5.9
* GRAY STAR (PST-2LGL)	6.4	4.5	5.9	7.1	5.4	5.5	6.2	5.9
D04-LP05	6.3	4.0	6.0	7.1	6.4	5.4	5.6	5.8
* HEADSTART 2	6.6	3.5	5.7	7.7	6.1	5.6	5.3	5.8
DP 17-9788	6.5	5.0	5.8	6.8	5.3	5.3	6.0	5.8
* ASP6001 (RTS)	6.3	3.8	5.2	7.4	6.0	5.6	6.0	5.8
* BREA (04-BRE)	6.5	4.4	5.5	7.1	5.1	5.5	6.3	5.8
SRX 4682	6.5	5.1	5.4	6.4	5.5	5.2	6.0	5.7
* PIANIST (DP 17-9505)	6.4	4.0	6.0	7.3	5.3	5.6	5.6	5.7
* RINGER II (04-BEN)	6.8	3.4	5.7	7.2	5.2	5.4	6.1	5.7
* MONTEREY 3 (JR-408)	6.3	3.6	5.5	7.3	5.3	5.4	6.2	5.7
* PALMER III	5.8	4.4	5.8	7.2	4.8	5.8	5.5	5.6
* PACESETTER II (PS-2)	6.5	2.3	5.3	7.6	5.8	5.9	5.6	5.6
* GOALKEEPER II (JR-114)	6.5	3.5	5.5	7.2	5.6	5.7	5.0	5.6
* BARLENNIUM	6.0	3.4	5.2	7.0	5.5	5.8	6.0	5.6
* QUICKSILVER	6.6	3.2	5.2	6.9	5.7	5.6	5.9	5.6
* PREMIER II	6.6	3.8	5.2	6.7	4.6	5.8	6.0	5.5
PICK 02-R	6.1	2.0	4.3	7.9	5.7	5.9	5.7	5.4
* PANTHER	5.6	2.7	5.3	6.5	5.1	5.6	5.3	5.1
BAR LP 4920	6.0	2.0	4.2	7.3	5.0	5.6	5.8	5.1
* AFFINITY	4.6	4.3	4.8	5.9	4.5	4.9	5.1	4.9
* PREMIER	5.3	3.7	4.7	6.0	4.3	4.8	4.7	4.8
LPR 02203	5.2	1.6	4.2	6.3	4.0	5.0	5.9	4.6
* PINNACLE	4.5	3.8	4.4	5.4	3.5	4.1	5.1	4.4
* LINN	2.2	1.1	2.0	3.1	1.5	2.6	3.4	2.3
LSD VALUE	0.3	1.3	0.8	0.7	0.9	0.6	1.3	0.3
C.V. (%)	2.6	16.6	8.6	5.4	9.3	6.2	13.3	9.2

* COMMERCIALY AVAILABLE IN THE USA IN 2009.

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 FT2/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 NINE LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	MI1	NJ1	OR1	PA1	VA1	WA1	WI1	MEAN
PALMER V (RNS)	7.0	7.2	7.3	6.0	6.5	7.6	5.4	6.2	4.7	6.4
ZOOM (LCK)	7.1	7.0	6.5	6.7	6.4	7.8	5.7	6.1	4.4	6.4
PALMER IV	7.2	6.1	7.0	6.0	6.1	7.8	5.3	6.7	5.2	6.4
FIESTA 4 (PICK F4)	6.8	6.4	7.0	6.0	6.1	7.9	5.3	6.7	5.1	6.4
HOMERUN (RG3P)	6.9	6.6	6.5	6.8	6.5	7.8	5.4	6.1	4.4	6.3
APR 1648	7.5	7.3	6.6	5.4	6.0	7.2	5.5	6.7	4.9	6.3
REVENGE GLX (JR-348)	7.1	6.5	6.8	6.3	5.8	8.2	5.2	6.2	4.6	6.3
KEYSTONE 2 (IS-PR 312)	7.3	7.0	6.8	6.6	6.1	7.5	5.2	6.2	4.2	6.3
PARAGON GLR	6.7	6.9	7.1	6.0	6.3	7.4	5.3	6.3	4.8	6.3
APPLE GL (AAZ-B104)	7.0	6.3	6.5	6.4	6.6	7.1	5.4	6.3	5.1	6.3
ALLSTAR 3 (IS-PR 274)	7.0	6.6	6.5	6.7	6.3	7.2	5.3	6.2	4.8	6.3
KOKOMO II (IS-PR 235)	7.0	6.4	6.9	6.6	6.2	7.4	4.9	6.6	4.5	6.3
DERBY XTREME (IS-PR 268)	7.1	6.5	6.6	6.5	6.5	7.7	5.2	6.4	3.9	6.3
UNO (D04-11T)	7.0	6.7	6.8	6.2	6.4	7.9	5.2	6.3	3.8	6.2
REGAL 5 (IS-PR 271)	7.0	6.5	6.9	5.7	6.3	7.6	5.6	6.6	4.0	6.2
PALACE (IS-PR 273)	7.2	5.7	6.5	6.4	6.3	7.9	5.2	6.7	4.2	6.2
ASP6003 (TRS)	6.8	6.8	6.3	5.8	5.9	7.6	5.1	6.4	5.2	6.2
PANTHER GLS	6.9	6.6	6.8	5.8	6.2	7.2	5.0	5.7	5.7	6.2
SOPRANO (DP1)	7.0	6.1	7.0	5.4	6.2	7.6	5.1	6.7	4.8	6.2
PRIMARY (IS-PR 269)	6.8	6.6	6.7	6.4	6.1	7.3	5.3	6.2	4.6	6.2
ATTRIBUTE (IS-PR 270)	7.1	6.4	6.8	6.1	6.3	7.3	5.1	6.4	4.2	6.2
SR 4600 (SRX 4SP)	6.8	6.1	6.3	6.4	6.3	6.8	5.1	6.7	5.3	6.2
STELLAR GL (IS-PR 236)	7.1	6.3	6.8	5.2	6.5	7.7	5.2	6.6	4.5	6.2
AMAZING GS (IS-PR 276)	7.2	6.2	6.4	6.5	6.0	7.7	5.4	6.5	3.7	6.2
EXACTA II GLSR (LTP-611-GLSR)	7.1	5.9	7.2	6.2	6.4	7.4	5.2	6.4	3.8	6.2
CALYPSO 3 (MS2)	6.7	5.9	6.8	5.5	6.2	7.3	5.2	6.7	5.2	6.2
OVERDRIVE	7.0	6.6	6.8	5.2	6.1	7.1	5.4	6.4	4.8	6.2
BACCARAT (RAD-PR8)	7.0	7.0	6.9	5.8	5.7	6.9	5.3	6.2	4.6	6.2
PST-217	7.0	7.2	6.5	5.2	5.9	6.9	5.4	5.7	5.6	6.2
TRANSFORMER (D04-1667)	6.9	6.1	6.4	5.8	6.3	7.4	5.2	6.2	4.9	6.1
SILVER DOLLAR	6.9	6.7	6.7	5.6	6.1	7.3	5.6	6.4	3.7	6.1
PROTOTYPE (DCM)	6.7	7.1	6.6	5.8	6.0	7.4	5.3	6.3	3.8	6.1
PALMER GLS (GL-2)	6.9	6.4	7.0	6.0	6.0	7.6	5.1	6.5	3.5	6.1
MAJESTY II (VB77)	6.9	6.9	6.4	5.0	6.2	7.3	5.3	6.3	4.6	6.1
GRAND SLAM 2 (PST-2GSM)	7.0	6.3	6.3	6.5	5.9	6.7	5.3	6.0	4.8	6.1
FIJI (GPR)	7.1	6.3	6.5	5.0	6.2	7.4	5.3	6.4	4.5	6.1
LINE DRIVE GLS (APR 1797)	6.7	6.4	6.7	6.2	6.1	6.6	5.2	6.2	4.9	6.1
1G SQUARED (APR 1664)	6.8	6.4	6.7	5.8	5.8	7.2	5.1	6.2	4.7	6.1
MACH I	7.1	5.7	6.5	4.9	6.1	7.1	5.0	6.6	5.8	6.1
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.7	6.6	6.4	5.7	6.1	6.8	5.4	6.1	4.9	6.1
PINNACLE II	7.0	6.2	6.7	4.8	5.7	7.5	5.4	6.3	5.0	6.1
NOTABLE (AF)	7.0	6.4	6.6	5.6	6.3	7.2	5.2	6.0	4.1	6.0
ASP6004 (EXS54)	7.1	5.6	6.7	5.6	6.1	7.2	5.3	6.5	4.2	6.0
PLEASURE SUPREME (PM 103)	7.0	5.9	6.7	5.6	5.9	7.4	5.3	6.7	3.8	6.0
MMW	7.3	6.6	6.8	5.5	5.9	7.3	5.2	6.4	3.4	6.0

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/
USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
2008 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	MI1	NJ1	OR1	PA1	VA1	WA1	WI1	MEAN
BUENA VISTA	7.1	6.5	6.3	5.5	6.3	7.2	5.4	6.3	3.6	6.0
MANHATTAN 5 GLR (PST-2AM)	7.0	6.7	6.7	5.9	5.8	6.7	5.4	6.0	4.0	6.0
GRAY FOX (PST-2MNG)	6.4	6.8	6.4	5.7	6.0	6.7	5.5	6.3	4.3	6.0
TOP GUN II (JR-324)	6.8	6.7	6.5	4.7	5.7	7.6	5.3	6.3	4.4	6.0
GRAY STAR (PST-2LGL)	6.6	6.5	6.5	5.5	6.0	7.0	5.1	6.4	4.3	6.0
E-99	6.5	6.8	7.0	6.1	6.1	6.8	5.3	6.0	3.2	6.0
ASP6002 (BPR)	6.7	6.4	6.5	4.7	5.8	7.3	5.1	6.8	4.5	6.0
CUTTER II (PM 101)	7.3	5.6	7.0	4.9	6.1	7.3	5.4	6.7	3.6	6.0
HARRIER (SRX 4UP3)	6.8	5.6	6.7	5.9	5.9	7.2	5.3	6.1	4.3	6.0
PST-2AG4	6.7	6.1	6.8	5.6	6.1	7.2	5.2	6.2	3.8	6.0
WIND DANCE 2 (PWDR)	7.1	6.0	6.8	5.1	5.7	7.2	5.2	6.4	3.9	6.0
DASHER 3 (PICK RB-1)	6.7	5.3	6.7	5.9	6.3	7.0	5.4	6.4	3.9	5.9
EDGE II (AC2)	6.4	6.6	6.6	4.8	5.9	7.2	5.2	6.4	4.4	5.9
FUSION	7.0	5.6	6.4	5.6	5.7	6.9	5.5	6.6	4.1	5.9
LA QUINTA (JR-255)	7.0	6.1	6.3	4.3	5.9	7.1	5.5	6.4	4.8	5.9
ES45	6.9	6.4	6.8	5.1	5.8	6.8	5.2	6.6	3.7	5.9
SECRETARIAT II GLSR (LTP-101-GLSR)	6.5	6.2	5.9	5.6	6.2	6.7	5.0	6.2	4.8	5.9
GOALKEEPER II (JR-114)	6.6	6.8	6.5	4.7	5.7	6.6	5.1	6.3	4.9	5.9
DEFENDER (D04-UP)	7.2	6.0	6.8	6.0	6.3	6.9	5.2	5.6	3.2	5.9
NEXUS XD (SP4)	6.9	5.6	6.3	4.9	6.0	7.3	5.3	6.6	4.3	5.9
BREA (04-BRE)	6.5	5.7	6.5	5.0	5.8	7.0	5.2	6.1	5.4	5.9
PROTEGE GLR	6.9	5.7	6.9	4.9	6.3	7.2	5.4	6.3	3.4	5.9
REPELL GLS	6.9	6.5	6.6	5.1	5.8	6.8	5.3	6.1	4.1	5.9
D04-LP05	6.4	5.4	6.2	4.9	6.1	6.9	5.4	6.3	5.4	5.9
DART (APR 1663)	6.8	6.0	6.0	5.7	5.8	6.7	5.2	6.4	4.5	5.9
PM 102	6.4	5.7	6.4	4.5	5.9	6.5	5.2	6.9	5.4	5.9
TR47	6.9	6.0	6.8	4.7	6.1	7.2	5.2	6.5	3.6	5.9
PACESETTER II (PS-2)	6.6	6.5	6.1	4.7	6.1	7.0	5.2	6.1	4.6	5.9
RINGER II (04-BEN)	6.8	6.6	6.3	5.0	5.8	6.4	5.2	5.8	4.7	5.8
ASP6001 (RTS)	6.6	6.4	6.3	5.2	5.8	6.8	5.1	6.5	3.8	5.8
NEXUS XR (SNR)	7.0	5.8	6.6	4.4	5.8	7.4	5.0	6.6	4.1	5.8
CITATION FORE	6.7	5.8	6.8	5.3	5.8	6.4	5.4	6.3	4.1	5.8
VB99	6.5	6.6	6.7	4.1	6.3	7.4	5.1	6.5	3.2	5.8
PLATEAU (PST-2LAN)	6.6	6.4	6.7	5.5	5.9	6.4	5.3	5.4	4.1	5.8
PST-2BLK	7.1	5.9	6.5	5.7	5.8	6.4	5.2	5.6	4.3	5.8
ASP6005 (AJM)	6.8	5.5	6.2	5.1	5.7	7.3	4.9	6.5	4.3	5.8
PENTIUM	6.7	6.4	6.5	5.1	5.7	6.7	5.3	5.7	4.2	5.8
FOREVER (DP 17-9499)	6.8	5.4	6.6	4.7	5.7	7.2	5.0	6.3	4.5	5.8
DELAWARE XL (PICK 01-2)	6.3	5.1	6.3	5.1	6.0	7.0	5.3	6.6	4.5	5.8
PRESIDIO (CNV)	6.7	5.5	6.5	4.5	6.0	7.4	5.1	6.6	3.7	5.8
CABO II (IS-PR 233)	6.6	6.3	6.7	4.7	6.4	6.7	4.9	6.7	3.1	5.8
MONTEREY 3 (JR-408)	6.3	6.7	6.4	3.8	5.8	7.0	5.1	6.0	4.8	5.8
BAR LP 4420	7.0	5.4	6.5	4.6	5.9	6.3	5.1	6.1	4.9	5.8
BAR LP 4317	6.8	5.9	6.5	4.2	5.6	6.1	5.1	6.0	5.7	5.8
ASP6006 (LPFG)	6.9	5.1	6.7	5.1	5.7	7.3	5.2	6.4	3.3	5.7
FIREBOLT (PRG HS-01-09)	6.6	5.9	6.6	5.0	5.8	7.4	5.2	6.6	2.7	5.7

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	MI1	NJ1	OR1	PA1	VA1	WA1	WI1	MEAN
CADDIESHACK II (JR-163)	6.0	7.1	6.3	4.1	5.7	6.7	5.1	5.7	4.8	5.7
WAYFARER (L44)	6.5	5.5	6.4	4.5	6.1	7.1	5.3	6.3	3.9	5.7
LS 2300 (APR 1670)	6.7	6.1	6.5	5.6	5.6	5.9	5.2	5.8	4.1	5.7
INSPIRE	6.7	5.5	6.3	5.4	5.8	7.2	5.4	5.5	3.4	5.7
HEADSTART 2	6.6	6.1	6.3	4.4	5.4	6.9	5.3	6.2	3.9	5.7
PIZZAZZ	6.5	4.7	6.7	5.0	5.8	7.2	5.0	6.1	4.2	5.7
HAWKEYE 2 (SRX 4692)	6.5	6.1	6.3	5.4	5.7	6.5	5.4	6.0	3.3	5.7
BRIGHTSTAR SLT	6.4	6.4	6.5	5.0	5.6	6.5	5.2	5.6	3.8	5.7
SUNSHINE 2	6.5	5.5	6.2	4.1	5.8	6.9	5.4	6.6	3.9	5.7
QUICKSILVER	6.8	5.4	6.5	4.8	5.6	6.9	5.4	6.2	3.3	5.7
ACCENT II (JR-119)	6.5	5.4	6.2	5.5	5.6	6.6	5.3	5.6	3.9	5.6
GALATTI (DP 17-9502)	6.1	5.4	6.2	4.6	6.1	7.0	5.1	6.3	3.2	5.6
HALO (KN42)	6.5	5.0	6.4	4.0	6.0	7.1	5.1	6.7	3.0	5.5
PICK 02-R	6.4	3.8	6.3	4.2	5.8	6.9	4.7	6.4	5.1	5.5
BAR LP 4920	6.2	5.0	6.5	4.4	5.8	6.6	5.1	6.2	3.8	5.5
PHENOM (APR 1660)	6.4	5.9	6.0	4.9	5.8	6.8	5.0	5.8	2.9	5.5
PALMER III	6.0	5.5	6.5	4.5	5.6	6.4	5.1	5.6	3.9	5.5
SRX 4682	6.3	6.5	6.1	4.9	5.4	5.2	5.2	5.2	3.9	5.4
DP 17-9788	6.3	5.7	6.2	4.0	5.7	5.8	5.0	5.5	4.3	5.4
BARLENNIUM	6.2	5.8	6.2	4.6	5.7	5.6	5.2	5.3	3.6	5.3
PREMIER II	6.1	5.6	6.0	4.3	5.5	6.1	4.9	5.5	3.5	5.3
PIANIST (DP 17-9505)	6.3	5.3	6.2	4.3	5.7	6.1	5.1	6.2	2.3	5.3
PANTHER	5.6	5.1	6.1	4.6	5.4	5.2	4.9	4.8	3.8	5.1
LPR 02203	5.2	5.1	5.8	3.9	5.4	4.9	4.6	4.7	3.6	4.8
AFFINITY	5.5	4.9	5.7	4.1	5.4	4.9	4.6	4.6	2.8	4.7
PREMIER	5.2	3.9	5.5	4.4	5.5	4.4	4.9	4.4	3.6	4.7
PINNACLE	5.2	4.3	5.6	3.7	5.4	3.7	4.4	4.2	3.6	4.5
LINN	2.4	1.5	4.0	1.1	4.7	1.8	3.5	2.2	3.4	2.7
LSD VALUE	0.6	0.8	0.6	1.4	0.5	0.7	0.4	0.6	2.0	0.3
C.V. (%)	5.6	8.7	5.8	16.1	4.8	6.1	4.8	6.5	30.0	10.4

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

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

*/ 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)" */
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	MA1	MN1	MO1	MEAN
PALMER V (RNS)	5.3	6.0	4.8	6.5	5.6
ALLSTAR 3 (IS-PR 274)	5.2	5.8	5.1	6.4	5.6
ZOOM (LCK)	4.5	5.9	5.9	5.8	5.5
EXACTA II GLSR (LTP-611-GLSR)	5.0	5.2	5.7	6.1	5.5
DERBY XTREME (IS-PR 268)	5.3	5.4	5.1	6.0	5.5
MANHATTAN 5 GLR (PST-2AM)	5.0	5.7	5.1	6.1	5.5
NOTABLE (AF)	5.6	5.2	4.8	6.2	5.5
MMW	4.9	5.6	5.2	6.0	5.4
AMAZING GS (IS-PR 276)	4.9	5.3	5.7	5.6	5.4
HOMERUN (RG3P)	4.0	5.6	5.3	6.5	5.4
SECRETARIAT II GLSR (LTP-101-GLSR)	4.7	5.9	5.3	5.5	5.4
APR 1648	5.0	5.5	4.6	6.3	5.3
PLATEAU (PST-2LAN)	5.0	5.2	5.1	5.9	5.3
SOPRANO (DP1)	5.5	5.0	5.2	5.6	5.3
PRESIDIO (CNV)	4.5	5.3	5.2	6.0	5.3
APPLE GL (AAZ-B104)	4.9	5.5	4.7	6.0	5.3
CUTTER II (PM 101)	4.2	5.9	4.8	6.1	5.3
PANTHER GLS	4.7	5.4	4.6	6.3	5.2
EDGE II (AC2)	4.5	5.2	4.8	6.3	5.2
PST-2AG4	5.3	4.9	4.8	5.9	5.2
GRAND SLAM 2 (PST-2GSM)	4.8	5.7	4.5	5.8	5.2
MAJESTY II (VB77)	5.0	5.4	4.7	5.8	5.2
FIJI (GPR)	5.0	5.7	3.7	6.5	5.2
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.6	5.6	5.1	5.5	5.2
LINE DRIVE GLS (APR 1797)	4.8	5.4	4.2	6.3	5.2
TRANSFORMER (DO4-1667)	4.9	5.1	4.6	6.2	5.2
SILVER DOLLAR	4.5	5.6	4.4	6.1	5.2
ACCENT II (JR-119)	4.5	5.6	4.6	6.0	5.2
BRIGHTSTAR SLT	4.9	5.5	4.4	5.9	5.2
DASHER 3 (PICK RB-1)	4.2	5.6	4.9	6.0	5.2
TR47	4.7	5.5	4.8	5.5	5.2
RINGER II (04-BEN)	4.7	5.5	4.4	5.9	5.1
PROTEGE GLR	4.4	5.4	5.0	5.8	5.1
REGAL 5 (IS-PR 271)	4.8	5.1	4.7	6.0	5.1
PENTIUM	4.5	5.5	4.4	6.1	5.1
CITATION FORE	4.5	5.3	5.0	5.7	5.1
KEYSTONE 2 (IS-PR 312)	4.7	4.8	5.0	6.0	5.1
PALMER GLS (GL-2)	4.5	5.2	4.5	6.3	5.1
REVENGE GLX (JR-348)	4.6	5.3	4.8	5.8	5.1
BAR LP 4317	4.7	5.4	4.6	5.7	5.1
WIND DANCE 2 (PWDR)	4.5	5.4	4.7	5.9	5.1
BREA (04-BRE)	4.6	5.4	4.1	6.3	5.1
SR 4600 (SRX 4SP)	4.9	5.4	4.4	5.6	5.1
KOKOMO II (IS-PR 235)	4.4	5.2	4.7	6.1	5.1
STELLAR GL (IS-PR 236)	4.5	4.9	4.6	6.4	5.1

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)" */
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	MA1	MN1	MO1	MEAN
UNO (D04-11T)	4.9	5.0	4.3	6.2	5.1
VB99	4.3	5.3	4.8	5.9	5.1
NEXUS XR (SNR)	4.7	5.2	4.5	5.9	5.1
REPELL GLS	4.7	5.5	4.5	5.5	5.1
GOALKEEPER II (JR-114)	4.6	5.4	4.6	5.7	5.1
BAR LP 4920	4.8	5.1	5.1	5.3	5.1
PRIMARY (IS-PR 269)	4.3	5.1	5.1	5.8	5.1
DEFENDER (D04-UP)	5.0	5.1	4.3	5.8	5.1
PREMIER II	4.2	5.4	4.7	5.9	5.1
PALACE (IS-PR 273)	4.4	5.4	4.4	6.0	5.0
PALMER IV	4.9	5.4	3.9	6.0	5.0
PARAGON GLR	5.0	5.5	4.1	5.5	5.0
DP 17-9788	5.1	5.4	4.3	5.4	5.0
FIESTA 4 (PICK F4)	4.1	5.9	4.6	5.5	5.0
BARLENNIUM	4.2	5.6	4.5	5.7	5.0
ES45	4.5	5.0	4.4	6.0	5.0
CADDIESHACK II (JR-163)	4.1	5.4	4.3	6.0	5.0
NEXUS XD (SP4)	4.6	5.2	4.2	5.8	5.0
FIREBOLT (PRG HS-01-09)	3.8	5.3	3.9	6.8	5.0
BUENA VISTA	4.5	5.1	4.3	6.0	5.0
CALYPSO 3 (MS2)	4.0	5.6	4.8	5.5	5.0
PROTOTYPE (DCM)	4.6	5.0	4.1	6.1	5.0
TOP GUN II (JR-324)	4.4	5.5	4.6	5.3	4.9
HEADSTART 2	4.1	4.7	5.1	5.9	4.9
LS 2300 (APR 1670)	5.1	5.7	3.4	5.5	4.9
MONTEREY 3 (JR-408)	4.9	5.4	3.4	6.1	4.9
ASP6002 (BPR)	4.2	5.1	4.3	6.1	4.9
PHENOM (APR 1660)	4.7	5.4	4.1	5.5	4.9
ATTRIBUTE (IS-PR 270)	4.8	4.7	4.5	5.7	4.9
MACH I	4.5	5.1	4.6	5.5	4.9
INSPIRE	4.3	5.4	4.4	5.6	4.9
PST-217	4.3	5.3	4.6	5.4	4.9
ASP6004 (EXS54)	4.6	5.1	4.4	5.5	4.9
HARRIER (SRX 4UP3)	4.5	4.7	4.6	5.8	4.9
GRAY FOX (PST-2MNG)	4.3	5.2	4.4	5.8	4.9
SRX 4682	4.3	5.5	4.2	5.6	4.9
DELAWARE XL (PICK 01-2)	4.0	5.1	4.8	5.6	4.9
1G SQUARED (APR 1664)	4.4	5.8	4.2	5.2	4.9
GALATTI (DP 17-9502)	4.0	5.0	4.7	5.8	4.9
ASP6003 (TRS)	4.2	4.9	4.7	5.7	4.9
PINNACLE II	4.6	5.0	4.1	5.9	4.9
PACESETTER II (PS-2)	3.8	5.6	4.1	6.0	4.9
PIZZAZZ	4.4	4.9	4.8	5.4	4.9
OVERDRIVE	4.2	5.3	4.1	6.0	4.9
QUICKSILVER	4.5	4.8	4.7	5.5	4.9
E-99	4.3	5.5	3.9	5.8	4.9

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)" */
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	MA1	MN1	MO1	MEAN
ASP6001 (RTS)	4.4	5.8	3.6	5.6	4.9
BACCARAT (RAD-PR8)	4.0	5.1	4.6	5.7	4.8
DART (APR 1663)	4.4	5.2	4.3	5.5	4.8
GRAY STAR (PST-2LGL)	4.6	5.0	4.2	5.7	4.8
FUSION	4.4	5.0	4.2	5.8	4.8
ASP6006 (LPFG)	4.5	4.8	4.4	5.5	4.8
PM 102	4.1	4.8	4.2	6.1	4.8
PST-2BLK	4.2	5.2	4.1	5.5	4.8
CABO II (IS-PR 233)	4.6	4.6	4.6	5.3	4.8
D04-LP05	4.3	4.9	4.3	5.6	4.8
HALO (KN42)	4.2	5.0	4.3	5.5	4.8
ASP6005 (AJM)	3.9	5.4	4.3	5.4	4.7
WAYFARER (L44)	4.0	5.1	4.1	5.8	4.7
HAWKEYE 2 (SRX 4692)	3.9	5.0	4.2	5.9	4.7
LA QUINTA (JR-255)	4.0	5.1	4.2	5.5	4.7
PLEASURE SUPREME (PM 103)	4.0	4.9	4.1	5.8	4.7
PICK 02-R	3.3	4.6	4.9	5.9	4.7
LPR 02203	4.5	5.2	3.9	5.2	4.7
SUNSHINE 2	3.6	5.0	4.3	5.8	4.7
FOREVER (DP 17-9499)	4.0	5.0	4.2	5.3	4.6
PANTHER	4.0	5.3	4.1	5.1	4.6
PALMER III	3.8	5.0	4.4	5.1	4.6
BAR LP 4420	3.5	4.7	4.3	5.5	4.5
PIANIST (DP 17-9505)	3.2	5.3	3.7	5.2	4.4
PREMIER	3.5	5.4	3.4	4.7	4.3
AFFINITY	4.0	5.4	3.3	4.3	4.3
PINNACLE	3.6	5.0	2.8	4.9	4.1
LINN	3.0	2.4	1.2	3.8	2.6
LSD VALUE	0.9	0.7	0.9	0.9	0.4
C.V. (%)	12.7	8.6	13.1	9.4	10.8

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

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

*/ SCHEDULE C 1.5 - 2.5 INCH MOWING HEIGHT
 0.3 - 0.5 lb. N/1000 FT²/PER GROWING MONTH
 NO IRRIGATION, IRRIGATION ONLY DURING SEVERE STRESS OR TO PREVENT DORMANCY
 NO FUNGICIDE
 NO INSECTICIDES
 WEED CONTROL APPLIED AS NEEDED TO PREVENT STAND LOSS

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT FOUR LOCATIONS 1/
 IN THE NORTHEAST REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	PA1	RI1	MEAN
HOMERUN (RG3P)	5.6	6.8	7.8	6.6	6.7
REVENGE GLX (JR-348)	5.3	6.3	8.2	6.9	6.7
ALLSTAR 3 (IS-PR 274)	5.8	6.7	7.2	6.9	6.7
ZOOM (LCK)	5.9	6.7	7.8	6.0	6.6
FIESTA 4 (PICK F4)	5.9	6.0	7.9	6.6	6.6
KOKOMO II (IS-PR 235)	5.2	6.6	7.4	7.1	6.6
PALACE (IS-PR 273)	5.4	6.4	7.9	6.4	6.5
DERBY XTREME (IS-PR 268)	5.4	6.5	7.7	6.3	6.5
UNO (D04-11T)	5.0	6.2	7.9	6.7	6.5
AMAZING GS (IS-PR 276)	5.3	6.5	7.7	6.1	6.4
PALMER IV	5.4	6.0	7.8	6.5	6.4
GRAND SLAM 2 (PST-2GSM)	5.7	6.5	6.7	6.7	6.4
1G SQUARED (APR 1664)	5.8	5.8	7.2	6.4	6.3
PALMER V (RNS)	6.0	6.0	7.6	5.5	6.3
REGAL 5 (IS-PR 271)	5.1	5.7	7.6	6.7	6.3
DASHER 3 (PICK RB-1)	5.6	5.9	7.0	6.5	6.3
EXACTA II GLSR (LTP-611-GLSR)	5.2	6.2	7.4	6.1	6.2
SR 4600 (SRX 4SP)	5.4	6.4	6.8	6.3	6.2
ASP6003 (TRS)	4.9	5.8	7.6	6.5	6.2
APPLE GL (AAZ-B104)	5.5	6.4	7.1	5.8	6.2
KEYSTONE 2 (IS-PR 312)	4.8	6.6	7.5	5.9	6.2
CALYPSO 3 (MS2)	5.6	5.5	7.3	6.4	6.2
PANTHER GLS	5.4	5.8	7.2	6.3	6.2
PARAGON GLR	5.5	6.0	7.4	5.8	6.2
MMW	5.6	5.5	7.3	6.3	6.2
LINE DRIVE GLS (APR 1797)	5.4	6.2	6.6	6.4	6.2
ATTRIBUTE (IS-PR 270)	4.7	6.1	7.3	6.4	6.2
MAJESTY II (VB77)	5.4	5.0	7.3	6.8	6.1
PRIMARY (IS-PR 269)	5.1	6.4	7.3	5.7	6.1
PROTOTYPE (DCM)	5.0	5.8	7.4	6.2	6.1
ASP6004 (EXS54)	5.1	5.6	7.2	6.4	6.1
FIJI (GPR)	5.7	5.0	7.4	6.3	6.1
WIND DANCE 2 (PWDR)	5.4	5.1	7.2	6.6	6.1
CUTTER II (PM 101)	5.9	4.9	7.3	6.2	6.1
SILVER DOLLAR	5.6	5.6	7.3	5.7	6.1
PALMER GLS (GL-2)	5.2	6.0	7.6	5.5	6.1
TR47	5.5	4.7	7.2	6.8	6.0
NEXUS XD (SP4)	5.2	4.9	7.3	6.8	6.0
SOPRANO (DP1)	5.0	5.4	7.6	6.1	6.0
E-99	5.5	6.1	6.8	5.7	6.0
SECRETARIAT II GLSR (LTP-101-GLSR)	5.9	5.6	6.7	5.8	6.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.6	5.7	6.8	5.9	6.0
APR 1648	5.5	5.4	7.2	5.8	6.0
TOP GUN II (JR-324)	5.5	4.7	7.6	6.1	6.0
MANHATTAN 5 GLR (PST-2AM)	5.7	5.9	6.7	5.6	6.0

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT FOUR LOCATIONS 1/
 IN THE NORTHEAST REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	PA1	RI1	MEAN
ASP6001 (RTS)	5.8	5.2	6.8	6.0	6.0
PST-2BLK	5.2	5.7	6.4	6.5	6.0
FUSION	5.0	5.6	6.9	6.3	6.0
STELLAR GL (IS-PR 236)	4.9	5.2	7.7	6.0	5.9
TRANSFORMER (D04-1667)	5.1	5.8	7.4	5.5	5.9
ASP6005 (AJM)	5.4	5.1	7.3	5.9	5.9
PROTEGE GLR	5.4	4.9	7.2	6.2	5.9
GRAY FOX (PST-2MNG)	5.2	5.7	6.7	6.0	5.9
HARRIER (SRX 4UP3)	4.7	5.9	7.2	5.9	5.9
NOTABLE (AF)	5.2	5.6	7.2	5.6	5.9
BACCARAT (RAD-PR8)	5.1	5.8	6.9	5.8	5.9
EDGE II (AC2)	5.2	4.8	7.2	6.4	5.9
ASP6006 (LPFG)	4.8	5.1	7.3	6.4	5.9
PLEASURE SUPREME (PM 103)	4.9	5.6	7.4	5.6	5.9
DEFENDER (D04-UP)	5.1	6.0	6.9	5.4	5.9
OVERDRIVE	5.3	5.2	7.1	5.9	5.9
BUENA VISTA	5.1	5.5	7.2	5.7	5.9
REPELL GLS	5.5	5.1	6.8	6.0	5.9
PST-2AG4	4.9	5.6	7.2	5.6	5.8
PRESIDIO (CNV)	5.3	4.5	7.4	6.0	5.8
INSPIRE	5.4	5.4	7.2	5.3	5.8
BRIGHTSTAR SLT	5.5	5.0	6.5	6.3	5.8
DART (APR 1663)	5.2	5.7	6.7	5.8	5.8
WAYFARER (L44)	5.1	4.5	7.1	6.6	5.8
ACCENT II (JR-119)	5.6	5.5	6.6	5.6	5.8
ES45	5.0	5.1	6.8	6.3	5.8
PENTIUM	5.5	5.1	6.7	5.9	5.8
PST-217	5.3	5.2	6.9	5.8	5.8
FIREBOLT (PRG HS-01-09)	5.3	5.0	7.4	5.5	5.8
LS 2300 (APR 1670)	5.7	5.6	5.9	6.0	5.8
PACESETTER II (PS-2)	5.6	4.7	7.0	5.8	5.8
MACH I	5.1	4.9	7.1	6.0	5.8
VB99	5.3	4.1	7.4	6.2	5.8
D04-LP05	4.9	4.9	6.9	6.4	5.8
FOREVER (DP 17-9499)	5.0	4.7	7.2	6.1	5.7
GRAY STAR (PST-2LGL)	5.0	5.5	7.0	5.4	5.7
DELAWARE XL (PICK 01-2)	5.1	5.1	7.0	5.6	5.7
PINNACLE II	5.0	4.8	7.5	5.5	5.7
PIZZAZZ	4.9	5.0	7.2	5.7	5.7
NEXUS XR (SNR)	5.2	4.4	7.4	5.8	5.7
PLATEAU (PST-2LAN)	5.2	5.5	6.4	5.6	5.7
ASP6002 (BPR)	5.1	4.7	7.3	5.5	5.6
HALO (KN42)	5.0	4.0	7.1	6.3	5.6
BREA (04-BRE)	5.4	5.0	7.0	5.1	5.6
GALATTI (DP 17-9502)	5.0	4.6	7.0	5.8	5.6
LA QUINTA (JR-255)	5.1	4.3	7.1	5.8	5.6

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT FOUR LOCATIONS 1/
 IN THE NORTHEAST REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	PA1	RI1	MEAN
PM 102	4.8	4.5	6.5	6.5	5.6
GOALKEEPER II (JR-114)	5.4	4.7	6.6	5.6	5.6
HAWKEYE 2 (SRX 4692)	5.0	5.4	6.5	5.4	5.6
CITATION FORE	5.3	5.3	6.4	5.2	5.6
RINGER II (04-BEN)	5.5	5.0	6.4	5.2	5.6
HEADSTART 2	4.7	4.4	6.9	6.1	5.6
CABO II (IS-PR 233)	4.6	4.7	6.7	6.1	5.5
QUICKSILVER	4.8	4.8	6.9	5.7	5.5
PHENOM (APR 1660)	5.4	4.9	6.8	5.0	5.5
SUNSHINE 2	5.0	4.1	6.9	5.6	5.4
CADDIESHACK II (JR-163)	5.4	4.1	6.7	5.3	5.4
PICK 02-R	4.6	4.2	6.9	5.7	5.4
MONTEREY 3 (JR-408)	5.4	3.8	7.0	5.3	5.4
BAR LP 4317	5.4	4.2	6.1	5.5	5.3
BARLENNIUM	5.6	4.6	5.6	5.5	5.3
BAR LP 4920	5.1	4.4	6.6	5.0	5.3
SRX 4682	5.5	4.9	5.2	5.5	5.3
BAR LP 4420	4.7	4.6	6.3	5.4	5.2
PIANIST (DP 17-9505)	5.3	4.3	6.1	5.3	5.2
PALMER III	5.0	4.5	6.4	4.8	5.2
DP 17-9788	5.4	4.0	5.8	5.3	5.1
PREMIER II	5.4	4.3	6.1	4.6	5.1
PANTHER	5.3	4.6	5.2	5.1	5.1
AFFINITY	5.4	4.1	4.9	4.5	4.8
PREMIER	5.4	4.4	4.4	4.3	4.7
LPR 02203	5.2	3.9	4.9	4.0	4.5
PINNACLE	5.0	3.7	3.7	3.5	4.0
LINN	2.4	1.1	1.8	1.5	1.7
LSD VALUE	0.7	1.4	0.7	0.9	0.5
C.V. (%)	12.7	8.6	13.1	9.4	10.8

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

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

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT FIVE LOCATIONS 1/
 IN THE TRANSITION REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MD1	MO1	VA1	MEAN
PALMER V (RNS)	7.2	6.8	6.8	6.5	5.4	6.5
HOMERUN (RG3P)	6.6	6.8	6.3	6.5	5.4	6.3
PANTHER GLS	6.6	7.3	6.3	6.3	5.0	6.3
APPLE GL (AAZ-B104)	6.3	7.3	6.2	6.0	5.4	6.2
ALLSTAR 3 (IS-PR 274)	6.6	6.5	6.1	6.4	5.3	6.2
SILVER DOLLAR	6.7	6.5	6.0	6.1	5.6	6.2
DERBY XTREME (IS-PR 268)	6.5	6.3	6.8	6.0	5.2	6.2
NOTABLE (AF)	6.4	6.6	6.3	6.2	5.2	6.1
PROTOTYPE (DCM)	7.1	6.0	6.2	6.1	5.3	6.1
PALMER GLS (GL-2)	6.4	6.4	6.5	6.3	5.1	6.1
PARAGON GLR	6.9	6.3	6.5	5.5	5.3	6.1
MANHATTAN 5 GLR (PST-2AM)	6.7	6.3	5.9	6.1	5.4	6.1
GRAY FOX (PST-2MNG)	6.8	6.8	5.7	5.8	5.5	6.1
GRAND SLAM 2 (PST-2GSM)	6.3	6.8	6.2	5.8	5.3	6.1
EXACTA II GLSR (LTP-611-GLSR)	5.9	6.8	6.3	6.1	5.2	6.1
SOPRANO (DP1)	6.1	6.5	6.9	5.6	5.1	6.0
KEYSTONE 2 (IS-PR 312)	7.0	6.1	6.0	6.0	5.2	6.0
MMW	6.6	6.0	6.4	6.0	5.2	6.0
TRANSFORMER (D04-1667)	6.1	6.8	5.9	6.2	5.2	6.0
OVERDRIVE	6.6	6.2	5.9	6.0	5.4	6.0
HARRIER (SRX 4UP3)	5.6	6.7	6.6	5.8	5.3	6.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.6	6.5	6.0	5.5	5.4	6.0
LINE DRIVE GLS (APR 1797)	6.4	6.3	5.8	6.3	5.2	6.0
PLATEAU (PST-2LAN)	6.4	6.0	6.1	5.9	5.3	6.0
UNO (D04-11T)	6.7	5.3	6.4	6.2	5.2	5.9
ZOOM (LCK)	7.0	5.8	5.5	5.8	5.7	5.9
PRIMARY (IS-PR 269)	6.6	5.8	6.3	5.8	5.3	5.9
CITATION FORE	5.8	6.7	6.1	5.7	5.4	5.9
SR 4600 (SRX 4SP)	6.1	6.5	6.3	5.6	5.1	5.9
CADDIESHACK II (JR-163)	7.1	5.0	6.4	6.0	5.1	5.9
REGAL 5 (IS-PR 271)	6.5	5.3	6.1	6.0	5.6	5.9
ATTRIBUTE (IS-PR 270)	6.4	5.8	6.5	5.7	5.1	5.9
LS 2300 (APR 1670)	6.1	6.5	6.0	5.5	5.2	5.9
FIESTA 4 (PICK F4)	6.4	5.8	6.3	5.5	5.3	5.9
PALMER IV	6.1	5.8	6.0	6.0	5.3	5.9
SECRETARIAT II GLSR (LTP-101-GLSR)	6.2	6.7	5.9	5.5	5.0	5.9
BUENA VISTA	6.5	5.1	6.3	6.0	5.4	5.9
AMAZING GS (IS-PR 276)	6.2	6.3	5.8	5.6	5.4	5.8
REVENGE GLX (JR-348)	6.5	5.2	6.6	5.8	5.2	5.8
MAJESTY II (VB77)	6.9	5.1	6.1	5.8	5.3	5.8
REPELL GLS	6.5	5.6	6.2	5.5	5.3	5.8
STELLAR GL (IS-PR 236)	6.3	5.2	6.0	6.4	5.2	5.8
1G SQUARED (APR 1664)	6.4	6.3	6.1	5.2	5.1	5.8
APR 1648	7.3	4.1	5.8	6.3	5.5	5.8
HAWKEYE 2 (SRX 4692)	6.1	5.5	6.0	5.9	5.4	5.8

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT FIVE LOCATIONS 1/
 IN THE TRANSITION REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MD1	MO1	VA1	MEAN
KOKOMO II (IS-PR 235)	6.4	5.7	6.0	6.1	4.9	5.8
DASHER 3 (PICK RB-1)	5.3	5.9	6.3	6.0	5.4	5.8
BACCARAT (RAD-PR8)	7.0	5.3	5.4	5.7	5.3	5.7
PINNACLE II	6.2	5.5	5.7	5.9	5.4	5.7
PST-2AG4	6.1	5.2	6.3	5.9	5.2	5.7
PENTIUM	6.4	5.1	5.9	6.1	5.3	5.7
PHENOM (APR 1660)	5.9	5.7	6.5	5.5	5.0	5.7
PALACE (IS-PR 273)	5.7	5.3	6.3	6.0	5.2	5.7
PST-217	7.2	5.2	5.2	5.4	5.4	5.7
EDGE II (AC2)	6.6	4.7	5.7	6.3	5.2	5.7
PST-2BLK	5.9	6.5	5.3	5.5	5.2	5.7
E-99	6.8	4.2	6.2	5.8	5.3	5.7
FIJI (GPR)	6.3	4.1	6.0	6.5	5.3	5.7
PROTEGE GLR	5.7	4.9	6.5	5.8	5.4	5.6
BAR LP 4317	5.9	5.7	5.8	5.7	5.1	5.6
DART (APR 1663)	6.0	5.2	6.0	5.5	5.2	5.6
SRX 4682	6.5	5.1	5.4	5.6	5.2	5.6
ES45	6.4	4.0	6.1	6.0	5.2	5.6
VB99	6.6	4.2	6.0	5.9	5.1	5.6
GRAY STAR (PST-2LGL)	6.5	4.5	5.9	5.7	5.1	5.5
CUTTER II (PM 101)	5.6	4.7	5.9	6.1	5.4	5.5
FIREBOLT (PRG HS-01-09)	5.9	3.5	6.0	6.8	5.2	5.5
ACCENT II (JR-119)	5.4	5.0	5.8	6.0	5.3	5.5
BRIGHTSTAR SLT	6.4	3.8	6.0	5.9	5.2	5.5
WIND DANCE 2 (PWDR)	6.0	4.3	6.1	5.9	5.2	5.5
ASP6004 (EXS54)	5.6	4.8	6.2	5.5	5.3	5.5
TOP GUN II (JR-324)	6.7	4.2	5.9	5.3	5.3	5.5
PLEASURE SUPREME (PM 103)	5.9	4.3	6.0	5.8	5.3	5.5
DEFENDER (D04-UP)	6.0	4.5	5.6	5.8	5.2	5.4
FUSION	5.6	4.3	5.9	5.8	5.5	5.4
MONTEREY 3 (JR-408)	6.7	3.6	5.5	6.1	5.1	5.4
BREA (04-BRE)	5.7	4.4	5.5	6.3	5.2	5.4
CALYPSO 3 (MS2)	5.9	4.1	6.1	5.5	5.2	5.4
LA QUINTA (JR-255)	6.1	4.2	5.7	5.5	5.5	5.4
ASP6003 (TRS)	6.8	3.8	5.4	5.7	5.1	5.4
DP 17-9788	5.7	5.0	5.8	5.4	5.0	5.4
RINGER II (04-BEN)	6.6	3.4	5.7	5.9	5.2	5.3
PRESIDIO (CNV)	5.5	4.0	6.0	6.0	5.1	5.3
NEXUS XR (SNR)	5.8	4.0	5.9	5.9	5.0	5.3
GOALKEEPER II (JR-114)	6.8	3.5	5.5	5.7	5.1	5.3
CABO II (IS-PR 233)	6.3	4.6	5.4	5.3	4.9	5.3
HEADSTART 2	6.1	3.5	5.7	5.9	5.3	5.3
TR47	6.0	4.0	5.7	5.5	5.2	5.3
D04-LP05	5.4	4.0	6.0	5.6	5.4	5.3
ASP6002 (BPR)	6.4	3.1	5.6	6.1	5.1	5.3
INSPIRE	5.5	4.0	5.8	5.6	5.4	5.2

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT FIVE LOCATIONS 1/
 IN THE TRANSITION REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MD1	MO1	VA1	MEAN
ASP6001 (RTS)	6.4	3.8	5.2	5.6	5.1	5.2
MACH I	5.7	4.3	5.6	5.5	5.0	5.2
BAR LP 4420	5.4	4.5	5.4	5.5	5.1	5.2
NEXUS XD (SP4)	5.6	3.3	6.0	5.8	5.3	5.2
DELAWARE XL (PICK 01-2)	5.1	3.9	6.0	5.6	5.3	5.2
PALMER III	5.5	4.4	5.8	5.1	5.1	5.2
PM 102	5.7	2.9	6.0	6.1	5.2	5.2
GALATTI (DP 17-9502)	5.4	3.8	5.6	5.8	5.1	5.1
FOREVER (DP 17-9499)	5.4	4.3	5.7	5.3	5.0	5.1
ASP6005 (AJM)	5.5	4.0	5.8	5.4	4.9	5.1
PIANIST (DP 17-9505)	5.3	4.0	6.0	5.2	5.1	5.1
BARLENNIUM	5.8	3.4	5.2	5.7	5.2	5.1
ASP6006 (LPFG)	5.1	3.7	5.8	5.5	5.2	5.1
SUNSHINE 2	5.5	3.3	5.3	5.8	5.4	5.1
PREMIER II	5.6	3.8	5.2	5.9	4.9	5.1
PACESETTER II (PS-2)	6.5	2.3	5.3	6.0	5.2	5.1
WAYFARER (L44)	5.5	2.9	5.6	5.8	5.3	5.0
QUICKSILVER	5.4	3.2	5.2	5.5	5.4	4.9
HALO (KN42)	5.0	3.3	5.7	5.5	5.1	4.9
PIZZAZZ	4.7	3.1	5.6	5.4	5.0	4.8
PANTHER	5.1	2.7	5.3	5.1	4.9	4.6
AFFINITY	4.9	4.3	4.8	4.3	4.6	4.6
PREMIER	3.9	3.7	4.7	4.7	4.9	4.4
PINNACLE	4.3	3.8	4.4	4.9	4.4	4.4
BAR LP 4920	5.0	2.0	4.2	5.3	5.1	4.3
PICK 02-R	3.8	2.0	4.3	5.9	4.7	4.1
LPR 02203	5.1	1.6	4.2	5.2	4.6	4.1
LINN	1.5	1.1	2.0	3.8	3.5	2.4
LSD VALUE	0.8	1.3	0.8	0.9	0.4	0.4
C.V. (%)	8.7	16.6	8.6	9.4	4.8	10.0

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

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

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT EIGHT LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	MI1	MN1	NE1	SD1	WI1	MEAN
APR 1648	5.0	7.5	7.3	6.6	4.6	8.2	6.7	4.9	6.3
SOPRANO (DP1)	5.5	7.0	6.4	7.0	5.2	8.4	6.4	4.8	6.3
MACH I	4.5	7.1	7.7	6.5	4.6	8.2	6.1	5.8	6.3
ZOOM (LCK)	4.5	7.1	7.4	6.5	5.9	7.8	6.4	4.4	6.3
PALMER V (RNS)	5.3	7.0	7.2	7.3	4.8	7.7	5.9	4.7	6.2
EXACTA II GLSR (LTP-611-GLSR)	5.0	7.1	7.2	7.2	5.7	7.9	6.0	3.8	6.2
PARAGON GLR	5.0	6.7	8.0	7.1	4.1	7.6	6.4	4.8	6.2
KOKOMO II (IS-PR 235)	4.4	7.0	7.8	6.9	4.7	8.0	6.0	4.5	6.2
FIESTA 4 (PICK F4)	4.1	6.8	7.3	7.0	4.6	8.2	6.0	5.1	6.1
MAJESTY II (VB77)	5.0	6.9	7.2	6.4	4.7	8.2	6.0	4.6	6.1
APPLE GL (AAZ-B104)	4.9	7.0	7.1	6.5	4.7	7.6	6.1	5.1	6.1
REVENGE GLX (JR-348)	4.6	7.1	7.1	6.8	4.8	8.0	5.9	4.6	6.1
CUTTER II (PM 101)	4.2	7.3	7.5	7.0	4.8	8.4	6.0	3.6	6.1
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.6	6.7	7.2	6.4	5.1	7.8	6.0	4.9	6.1
PALMER IV	4.9	7.2	7.3	7.0	3.9	7.4	5.6	5.2	6.1
NOTABLE (AF)	5.6	7.0	7.0	6.6	4.8	7.5	6.0	4.1	6.1
ALLSTAR 3 (IS-PR 274)	5.2	7.0	6.9	6.5	5.1	7.3	5.8	4.8	6.1
ASP6004 (EXS54)	4.6	7.1	7.7	6.7	4.4	7.8	6.0	4.2	6.1
PANTHER GLS	4.7	6.9	6.6	6.8	4.6	7.3	6.0	5.7	6.1
DERBY XTREME (IS-PR 268)	5.3	7.1	6.6	6.6	5.1	7.8	6.1	3.9	6.1
MMW	4.9	7.3	7.4	6.8	5.2	7.8	5.8	3.4	6.1
AMAZING GS (IS-PR 276)	4.9	7.2	6.8	6.4	5.7	7.7	6.0	3.7	6.1
ASP6003 (TRS)	4.2	6.8	7.0	6.3	4.7	8.4	5.8	5.2	6.1
UNO (D04-11T)	4.9	7.0	7.4	6.8	4.3	7.8	6.5	3.8	6.0
NEXUS XR (SNR)	4.7	7.0	7.5	6.6	4.5	7.9	6.1	4.1	6.0
TR47	4.7	6.9	7.2	6.8	4.8	8.2	6.1	3.6	6.0
BAR LP 4317	4.7	6.8	7.1	6.5	4.6	7.1	5.8	5.7	6.0
ATTRIBUTE (IS-PR 270)	4.8	7.1	7.2	6.8	4.5	7.8	5.9	4.2	6.0
PRIMARY (IS-PR 269)	4.3	6.8	7.1	6.7	5.1	7.1	6.6	4.6	6.0
KEYSTONE 2 (IS-PR 312)	4.7	7.3	6.9	6.8	5.0	7.1	6.2	4.2	6.0
REGAL 5 (IS-PR 271)	4.8	7.0	7.1	6.9	4.7	7.9	5.8	4.0	6.0
CALYPSO 3 (MS2)	4.0	6.7	6.8	6.8	4.8	8.1	5.8	5.2	6.0
SR 4600 (SRX 4SP)	4.9	6.8	6.5	6.3	4.4	7.8	5.9	5.3	6.0
HOMERUN (RG3P)	4.0	6.9	7.2	6.5	5.3	7.6	6.0	4.4	6.0
TRANSFORMER (D04-1667)	4.9	6.9	7.0	6.4	4.6	7.2	6.0	4.9	6.0
PALACE (IS-PR 273)	4.4	7.2	7.1	6.5	4.4	7.8	6.0	4.2	6.0
LINE DRIVE GLS (APR 1797)	4.8	6.7	7.4	6.7	4.2	7.2	5.9	4.9	6.0
PST-217	4.3	7.0	6.6	6.5	4.6	7.4	5.7	5.6	6.0
PINNACLE II	4.6	7.0	7.4	6.7	4.1	7.0	6.0	5.0	6.0
ASP6002 (BPR)	4.2	6.7	7.1	6.5	4.3	8.3	5.9	4.5	6.0
FIJI (GPR)	5.0	7.1	7.0	6.5	3.7	8.2	5.6	4.5	5.9
VB99	4.3	6.5	7.5	6.7	4.8	8.2	6.3	3.2	5.9
1G SQUARED (APR 1664)	4.4	6.8	7.0	6.7	4.2	7.8	6.1	4.7	5.9
WIND DANCE 2 (PWDR)	4.5	7.1	6.9	6.8	4.7	7.6	5.9	3.9	5.9
GRAND SLAM 2 (PST-2GSM)	4.8	7.0	7.4	6.3	4.5	7.0	5.6	4.8	5.9

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT EIGHT LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	MI1	MN1	NE1	SD1	WI1	MEAN
EDGE II (AC2)	4.5	6.4	6.8	6.6	4.8	7.9	5.9	4.4	5.9
PST-2AG4	5.3	6.7	6.9	6.8	4.8	7.2	6.1	3.8	5.9
STELLAR GL (IS-PR 236)	4.5	7.1	6.7	6.8	4.6	7.5	5.7	4.5	5.9
OVERDRIVE	4.2	7.0	6.6	6.8	4.1	7.7	6.1	4.8	5.9
ASP6006 (LPFG)	4.5	6.9	7.3	6.7	4.4	8.3	5.9	3.3	5.9
TOP GUN II (JR-324)	4.4	6.8	7.1	6.5	4.6	7.7	5.8	4.4	5.9
NEXUS XD (SP4)	4.6	6.9	7.2	6.3	4.2	7.8	5.9	4.3	5.9
PROTEGE GLR	4.4	6.9	6.8	6.9	5.0	7.6	6.1	3.4	5.9
PALMER GLS (GL-2)	4.5	6.9	7.4	7.0	4.5	7.2	6.1	3.5	5.9
FUSION	4.4	7.0	7.2	6.4	4.2	7.8	6.0	4.1	5.9
PRESIDIO (CNV)	4.5	6.7	6.6	6.5	5.2	7.7	5.9	3.7	5.9
ES45	4.5	6.9	7.0	6.8	4.4	7.9	5.8	3.7	5.9
SECRETARIAT II GLSR (LTP-101-GLSR)	4.7	6.5	6.8	5.9	5.3	7.3	5.7	4.8	5.9
CITATION FORE	4.5	6.7	6.7	6.8	5.0	7.3	5.8	4.1	5.9
DASHER 3 (PICK RB-1)	4.2	6.7	6.9	6.7	4.9	7.9	5.7	3.9	5.9
SILVER DOLLAR	4.5	6.9	7.1	6.7	4.4	7.5	6.0	3.7	5.9
HARRIER (SRX 4UP3)	4.5	6.8	6.8	6.7	4.6	7.1	6.0	4.3	5.8
MANHATTAN 5 GLR (PST-2AM)	5.0	7.0	6.5	6.7	5.1	7.2	5.3	4.0	5.8
GOALKEEPER II (JR-114)	4.6	6.6	6.5	6.5	4.6	7.2	5.7	4.9	5.8
FOREVER (DP 17-9499)	4.0	6.8	6.8	6.6	4.2	7.9	6.0	4.5	5.8
LA QUINTA (JR-255)	4.0	7.0	6.2	6.3	4.2	7.8	6.3	4.8	5.8
DELAWARE XL (PICK 01-2)	4.0	6.3	6.7	6.3	4.8	7.9	6.0	4.5	5.8
PM 102	4.1	6.4	5.8	6.4	4.2	8.5	5.7	5.4	5.8
BUENA VISTA	4.5	7.1	6.8	6.3	4.3	7.7	6.2	3.6	5.8
PROTOTYPE (DCM)	4.6	6.7	7.1	6.6	4.1	7.4	6.1	3.8	5.8
RINGER II (04-BEN)	4.7	6.8	6.8	6.3	4.4	7.2	5.4	4.7	5.8
PLATEAU (PST-2LAN)	5.0	6.6	6.7	6.7	5.1	6.5	5.6	4.1	5.8
PIZZAZZ	4.4	6.5	6.5	6.7	4.8	7.1	6.2	4.2	5.8
BACCARAT (RAD-PR8)	4.0	7.0	6.0	6.9	4.6	7.2	5.9	4.6	5.8
BAR LP 4420	3.5	7.0	6.7	6.5	4.3	7.5	5.8	4.9	5.8
REPELL GLS	4.7	6.9	6.6	6.6	4.5	7.2	5.7	4.1	5.8
BREA (04-BRE)	4.6	6.5	6.5	6.5	4.1	7.1	5.5	5.4	5.8
PLEASURE SUPREME (PM 103)	4.0	7.0	6.6	6.7	4.1	8.0	5.9	3.8	5.8
HEADSTART 2	4.1	6.6	6.6	6.3	5.1	7.7	5.6	3.9	5.8
DEFENDER (D04-UP)	5.0	7.2	6.9	6.8	4.3	6.8	5.9	3.2	5.7
ASP6005 (AJM)	3.9	6.8	6.7	6.2	4.3	8.0	5.6	4.3	5.7
PICK 02-R	3.3	6.4	6.1	6.3	4.9	7.9	5.9	5.1	5.7
DART (APR 1663)	4.4	6.8	6.9	6.0	4.3	7.1	5.8	4.5	5.7
PENTIUM	4.5	6.7	6.5	6.5	4.4	6.7	6.1	4.2	5.7
LS 2300 (APR 1670)	5.1	6.7	6.7	6.5	3.4	7.0	6.0	4.1	5.7
CABO II (IS-PR 233)	4.6	6.6	6.9	6.7	4.6	7.5	5.7	3.1	5.7
GRAY FOX (PST-2MNG)	4.3	6.4	6.7	6.4	4.4	7.6	5.5	4.3	5.7
WAYFARER (L44)	4.0	6.5	6.4	6.4	4.1	8.3	5.9	3.9	5.7
D04-LP05	4.3	6.4	6.3	6.2	4.3	7.1	5.4	5.4	5.7
BAR LP 4920	4.8	6.2	6.0	6.5	5.1	7.3	5.6	3.8	5.7
PACESETTER II (PS-2)	3.8	6.6	6.5	6.1	4.1	7.6	5.9	4.6	5.7

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT EIGHT LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	MI1	MN1	NE1	SD1	WI1	MEAN
GRAY STAR (PST-2LGL)	4.6	6.6	6.4	6.5	4.2	7.1	5.5	4.3	5.6
PST-2BLK	4.2	7.1	6.2	6.5	4.1	7.3	5.4	4.3	5.6
HALO (KN42)	4.2	6.5	6.6	6.4	4.3	8.2	6.0	3.0	5.6
BRIGHTSTAR SLT	4.9	6.4	6.2	6.5	4.4	7.2	5.6	3.8	5.6
INSPIRE	4.3	6.7	6.7	6.3	4.4	7.0	6.1	3.4	5.6
DP 17-9788	5.1	6.3	6.5	6.2	4.3	6.8	5.3	4.3	5.6
MONTEREY 3 (JR-408)	4.9	6.3	6.3	6.4	3.4	7.3	5.4	4.8	5.6
QUICKSILVER	4.5	6.8	6.6	6.5	4.7	6.9	5.6	3.3	5.6
CADDIESHACK II (JR-163)	4.1	6.0	6.4	6.3	4.3	6.9	5.8	4.8	5.6
E-99	4.3	6.5	6.7	7.0	3.9	7.2	5.8	3.2	5.6
PHENOM (APR 1660)	4.7	6.4	7.5	6.0	4.1	7.1	5.9	2.9	5.6
ACCENT II (JR-119)	4.5	6.5	6.3	6.2	4.6	7.0	5.5	3.9	5.6
SUNSHINE 2	3.6	6.5	6.4	6.2	4.3	7.7	5.9	3.9	5.5
GALATTI (DP 17-9502)	4.0	6.1	6.4	6.2	4.7	7.5	6.2	3.2	5.5
ASP6001 (RTS)	4.4	6.6	6.3	6.3	3.6	7.4	5.6	3.8	5.5
FIREBOLT (PRG HS-01-09)	3.8	6.6	6.7	6.6	3.9	7.7	6.0	2.7	5.5
PREMIER II	4.2	6.1	6.6	6.0	4.7	6.7	5.8	3.5	5.5
BARLENNIUM	4.2	6.2	6.0	6.2	4.5	7.0	5.8	3.6	5.4
PALMER III	3.8	6.0	5.8	6.5	4.4	7.2	5.8	3.9	5.4
SRX 4682	4.3	6.3	6.5	6.1	4.2	6.4	5.2	3.9	5.4
HAWKEYE 2 (SRX 4692)	3.9	6.5	6.5	6.3	4.2	7.2	5.0	3.3	5.3
PANTHER	4.0	5.6	5.6	6.1	4.1	6.5	5.6	3.8	5.1
PIANIST (DP 17-9505)	3.2	6.3	6.4	6.2	3.7	7.3	5.6	2.3	5.1
LPR 02203	4.5	5.2	5.2	5.8	3.9	6.3	5.0	3.6	4.9
PREMIER	3.5	5.2	5.3	5.5	3.4	6.0	4.8	3.6	4.7
AFFINITY	4.0	5.5	4.6	5.7	3.3	5.9	4.9	2.8	4.6
PINNACLE	3.6	5.2	4.5	5.6	2.8	5.4	4.1	3.6	4.3
LINN	3.0	2.4	2.2	4.0	1.2	3.1	2.6	3.4	2.7
LSD VALUE	0.9	0.6	0.3	0.6	0.9	0.7	0.6	2.0	0.3
C.V. (%)	12.7	5.6	2.6	5.8	13.1	5.4	6.2	30.0	10.4

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

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

TABLE 7.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE UPPER WEST/MOUNTAIN REGION
2008 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	UT1	WA1	MEAN	NAME	UT1	WA1	MEAN
PALMER IV	7.0	6.7	6.9	ASP6006 (LPFG)	6.1	6.4	6.3
PALACE (IS-PR 273)	7.0	6.7	6.8	GRAND SLAM 2 (PST-2GSM)	6.6	6.0	6.3
APR 1648	7.0	6.7	6.8	PLEASURE SUPREME (PM 103)	5.9	6.7	6.3
DERBY XTREME (IS-PR 268)	7.1	6.4	6.8	ALLSTAR 3 (IS-PR 274)	6.3	6.2	6.3
SR 4600 (SRX 4SP)	6.9	6.7	6.8	NEXUS XR (SNR)	6.0	6.6	6.3
FIESTA 4 (PICK F4)	6.8	6.7	6.8	SECRETARIAT II GLSR (LTP-101-GLSR)	6.3	6.2	6.3
DART (APR 1663)	7.1	6.4	6.8	PRIMARY (IS-PR 269)	6.4	6.2	6.3
REGAL 5 (IS-PR 271)	6.9	6.6	6.8	LA QUINTA (JR-255)	6.1	6.4	6.3
SUNSHINE 2	6.9	6.6	6.8	PROTOTYPE (DCM)	6.2	6.3	6.3
CALYPSO 3 (MS2)	6.8	6.7	6.7	EDGE II (AC2)	6.1	6.4	6.3
VB99	6.9	6.5	6.7	FIREBOLT (PRG HS-01-09)	5.9	6.6	6.3
OVERDRIVE	7.0	6.4	6.7	TRANSFORMER (D04-1667)	6.3	6.2	6.3
EXACTA II GLSR (LTP-611-GLSR)	7.0	6.4	6.7	ASP6001 (RTS)	6.0	6.5	6.3
DASHER 3 (PICK RB-1)	6.9	6.4	6.7	REPELL GLS	6.4	6.1	6.2
CUTTER II (PM 101)	6.6	6.7	6.6	APPLE GL (AAZ-B104)	6.1	6.3	6.2
MAJESTY II (VB77)	7.0	6.3	6.6	TOP GUN II (JR-324)	6.1	6.3	6.2
AMAZING GS (IS-PR 276)	6.7	6.5	6.6	BACCARAT (RAD-PR8)	6.2	6.2	6.2
WIND DANCE 2 (PWDR)	6.8	6.4	6.6	BREA (04-BRE)	6.3	6.1	6.2
PARAGON GLR	6.8	6.3	6.6	E-99	6.3	6.0	6.2
UNO (D04-11T)	6.9	6.3	6.6	DELAWARE XL (PICK 01-2)	5.7	6.6	6.2
ZOOM (LCK)	7.0	6.1	6.6	FUSION	5.8	6.6	6.2
PIZZAZZ	7.0	6.1	6.5	REVENGE GLX (JR-348)	6.0	6.2	6.1
ATTRIBUTE (IS-PR 270)	6.7	6.4	6.5	ASP6005 (AJM)	5.8	6.5	6.1
SOPRANO (DP1)	6.4	6.7	6.5	MONTEREY 3 (JR-408)	6.2	6.0	6.1
FOREVER (DP 17-9499)	6.7	6.3	6.5	PRESIDIO (CNV)	5.7	6.6	6.1
ASP6002 (BPR)	6.1	6.8	6.5	BAR LP 4420	6.1	6.1	6.1
PM 102	6.0	6.9	6.5	PHENOM (APR 1660)	6.3	5.8	6.1
GALATTI (DP 17-9502)	6.6	6.3	6.5	ASP6003 (TRS)	5.7	6.4	6.1
PALMER V (RNS)	6.7	6.2	6.4	LS 2300 (APR 1670)	6.4	5.8	6.1
ASP6004 (EXS54)	6.4	6.5	6.4	PICK 02-R	5.7	6.4	6.1
FIJI (GPR)	6.4	6.4	6.4	NEXUS XD (SP4)	5.5	6.6	6.1
CABO II (IS-PR 233)	6.2	6.7	6.4	INSPIRE	6.6	5.5	6.0
CADDIESHACK II (JR-163)	7.2	5.7	6.4	QUICKSILVER	5.9	6.2	6.0
HARRIER (SRX 4UP3)	6.7	6.1	6.4	HOMERUN (RG3P)	6.0	6.1	6.0
MMW	6.4	6.4	6.4	WAYFARER (L44)	5.8	6.3	6.0
BUENA VISTA	6.4	6.3	6.4	ACCENT II (JR-119)	6.4	5.6	6.0
1G SQUARED (APR 1664)	6.5	6.2	6.3	PANTHER GLS	6.3	5.7	6.0
KOKOMO II (IS-PR 235)	6.1	6.6	6.3	PALMER GLS (GL-2)	5.5	6.5	6.0
MACH I	6.0	6.6	6.3	CITATION FORE	5.7	6.3	6.0
LINE DRIVE GLS (APR 1797)	6.5	6.2	6.3	D04-LP05	5.6	6.3	6.0
GRAY STAR (PST-2LGL)	6.2	6.4	6.3	GRAY FOX (PST-2MNG)	5.6	6.3	6.0
SILVER DOLLAR	6.2	6.4	6.3	BAR LP 4920	5.8	6.2	6.0
HAWKEYE 2 (SRX 4692)	6.6	6.0	6.3	HALO (KN42)	5.2	6.7	6.0
KEYSTONE 2 (IS-PR 312)	6.4	6.2	6.3	RINGER II (04-BEN)	6.1	5.8	6.0
STELLAR GL (IS-PR 236)	6.0	6.6	6.3	PLATEAU (PST-2LAN)	6.4	5.4	5.9
				PIANIST (DP 17-9505)	5.6	6.2	5.9

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT TWO LOCATIONS 1/
 IN THE UPPER WEST/MOUNTAIN REGION
 2008 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	UT1	WA1	MEAN
TR47	5.3	6.5	5.9
BRIGHTSTAR SLT	6.2	5.6	5.9
DEFENDER (D04-UP)	6.2	5.6	5.9
PACESETTER II (PS-2)	5.6	6.1	5.9
MANHATTAN 5 GLR (PST-2AM)	5.7	6.0	5.9
PST-2AG4	5.4	6.2	5.8
PENTIUM	5.9	5.7	5.8
PROTEGE GLR	5.2	6.3	5.8
HEADSTART 2	5.3	6.2	5.8
PREMIER II	6.0	5.5	5.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.4	6.1	5.7
DP 17-9788	6.0	5.5	5.7
BARLENNIUM	6.0	5.3	5.7
NOTABLE (AF)	5.3	6.0	5.7
GOALKEEPER II (JR-114)	5.0	6.3	5.7
PST-217	5.7	5.7	5.7
BAR LP 4317	5.3	6.0	5.6
ES45	4.7	6.6	5.6
SRX 4682	6.0	5.2	5.6
PALMER III	5.5	5.6	5.6
PINNACLE II	4.8	6.3	5.5
PST-2BLK	5.2	5.6	5.4
LPR 02203	5.9	4.7	5.3
PANTHER	5.3	4.8	5.1
AFFINITY	5.1	4.6	4.8
PINNACLE	5.1	4.2	4.6
PREMIER	4.7	4.4	4.5
LINN	3.4	2.2	2.8
LSD VALUE	1.3	0.6	0.7
C.V. (%)	13.3	6.5	10.5

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

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

TABLE 8.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2008 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
APPLE GL (AAZ-B104)	5.3	5.7	5.3	6.7	7.0	7.0	7.7	7.3	7.0	6.7	6.0	7.3	6.6
DERBY XTREME (IS-PR 268)	5.3	5.7	5.7	6.7	7.0	6.7	7.3	7.0	6.7	6.3	6.0	7.3	6.5
PALMER V (RNS)	5.3	6.0	5.7	6.7	7.0	7.3	7.3	7.0	6.0	6.0	6.3	7.0	6.5
STELLAR GL (IS-PR 236)	5.3	5.3	5.3	6.3	7.3	7.0	7.3	7.0	6.3	6.3	7.0	7.0	6.5
HOMERUN (RG3P)	5.3	5.7	5.7	6.7	7.0	6.7	6.7	7.3	6.7	6.3	6.3	7.3	6.5
ZOOM (LCK)	5.7	5.3	5.3	7.0	7.3	6.3	7.7	7.0	6.7	6.0	6.0	7.0	6.4
UNO (D04-11T)	5.0	6.0	6.0	6.3	7.0	6.3	7.0	7.0	6.3	6.0	6.3	7.7	6.4
EXACTA II GLSR (LTP-611-GLSR)	4.7	5.0	5.0	6.7	6.7	6.7	7.0	7.0	6.7	6.3	6.7	8.0	6.4
CABO II (IS-PR 233)	5.3	5.3	5.3	6.7	7.0	6.7	7.0	6.7	6.7	6.0	6.3	7.3	6.4
ALLSTAR 3 (IS-PR 274)	5.3	5.7	5.3	6.7	7.0	6.3	7.3	6.7	6.7	6.3	6.0	6.7	6.3
PROTEGE GLR	5.0	5.7	5.3	7.0	6.7	6.7	7.0	6.7	6.7	5.7	6.3	7.3	6.3
SR 4600 (SRX 4SP)	5.3	6.0	5.7	6.3	7.0	6.3	7.0	6.7	6.3	6.0	6.0	7.3	6.3
TRANSFORMER (D04-1667)	5.3	5.3	5.3	6.7	7.0	6.0	7.0	7.0	6.7	5.7	6.3	7.7	6.3
ATTRIBUTE (IS-PR 270)	5.3	5.7	5.3	6.3	7.0	6.3	7.3	7.0	7.0	5.3	6.0	7.0	6.3
BUENA VISTA	5.0	5.3	5.3	7.0	7.0	6.7	7.0	7.0	6.7	5.7	6.0	7.0	6.3
VB99	5.0	5.3	5.0	7.0	6.7	6.3	7.3	7.3	6.3	6.0	6.3	7.0	6.3
NOTABLE (AF)	4.7	5.3	5.3	7.0	7.0	7.0	7.0	7.3	6.3	5.3	6.0	7.0	6.3
REGAL 5 (IS-PR 271)	5.7	6.0	5.3	6.3	7.0	6.3	7.0	7.0	6.0	5.3	6.3	7.0	6.3
DEFENDER (D04-UP)	5.0	5.3	5.0	6.3	7.0	6.3	7.3	6.7	6.3	6.3	6.7	7.0	6.3
PALACE (IS-PR 273)	5.7	5.7	5.3	6.0	6.7	6.3	7.3	7.0	6.7	5.7	6.0	7.0	6.3
PARAGON GLR	5.0	5.0	5.3	6.0	6.7	6.7	7.7	7.3	6.3	5.3	6.3	7.7	6.3
DASHER 3 (PICK RB-1)	4.7	5.7	5.3	6.0	7.0	6.3	7.7	6.7	6.3	5.7	6.7	7.0	6.3
CALYPSO 3 (MS2)	5.0	5.3	5.3	7.0	6.7	6.3	7.0	7.0	6.7	5.7	6.0	6.7	6.2
FIJI (GPR)	5.0	5.0	5.0	7.0	6.7	6.7	7.0	7.0	6.3	6.0	6.0	7.0	6.2
KOKOMO II (IS-PR 235)	5.0	5.0	5.0	6.3	6.7	6.3	7.3	6.7	6.7	6.0	6.0	7.3	6.2
SECRETARIAT II GLSR (LTP-101-GLSR)	5.0	5.3	5.0	6.3	6.7	6.3	7.3	7.0	6.7	5.7	6.0	7.0	6.2
SOPRANO (DP1)	5.3	5.3	5.3	6.0	6.7	6.3	7.0	7.0	6.3	6.0	6.0	7.0	6.2
MAJESTY II (VB77)	5.0	5.7	5.0	6.7	7.0	6.3	7.0	7.0	6.3	5.7	5.7	6.7	6.2
PANTHER GLS	5.0	5.7	4.7	7.0	6.7	6.3	7.0	7.0	6.7	5.7	6.0	6.3	6.2
SILVER DOLLAR	5.0	5.7	5.0	6.3	6.7	6.3	7.0	7.0	6.0	5.7	6.0	7.0	6.1
ASP6004 (EXS54)	4.7	5.3	5.3	6.3	7.0	6.0	7.0	6.7	6.3	5.3	6.7	6.7	6.1
GALATTI (DP 17-9502)	5.0	5.3	5.0	6.7	6.7	6.7	7.3	7.0	6.0	5.3	5.7	6.7	6.1
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0	5.0	4.7	6.3	6.7	6.3	7.0	6.7	6.3	6.0	6.0	7.3	6.1
OVERDRIVE	5.0	5.3	5.0	6.0	6.3	6.3	7.0	7.0	6.7	5.7	6.0	7.0	6.1
PALMER IV	5.3	5.3	5.0	6.3	6.3	6.0	6.7	6.7	6.0	5.7	6.7	7.3	6.1
PST-2AG4	5.3	5.7	5.7	6.0	6.7	6.0	6.7	6.7	6.3	5.7	6.0	6.7	6.1
KEYSTONE 2 (IS-PR 312)	4.7	4.7	4.7	6.3	6.7	6.3	7.0	7.0	6.7	6.0	6.3	6.7	6.1
LINE DRIVE GLS (APR 1797)	5.0	5.7	5.0	6.7	6.7	7.0	6.7	6.7	6.0	5.3	5.7	6.7	6.1
PACESETTER II (PS-2)	5.0	5.7	5.0	7.0	6.3	5.7	7.3	6.7	6.3	5.3	6.0	6.7	6.1
CUTTER II (PM 101)	4.7	5.0	5.0	6.0	6.0	6.7	7.0	7.0	6.7	5.7	6.0	7.0	6.1
D04-LP05	4.7	5.7	5.3	6.0	6.3	6.3	7.0	6.7	6.0	5.7	6.3	6.7	6.1
E-99	5.0	5.0	5.0	6.3	6.3	6.7	6.7	6.7	6.0	6.0	6.0	7.0	6.1
FIESTA 4 (PICK F4)	5.0	5.3	4.7	6.7	7.0	6.0	6.7	6.3	6.0	5.7	6.0	7.3	6.1
PRIMARY (IS-PR 269)	4.7	5.0	5.3	6.3	6.7	6.3	6.7	6.7	6.3	6.0	6.0	6.7	6.1
TR47	4.3	4.7	5.0	7.0	7.0	6.3	7.0	6.7	6.0	5.7	6.0	7.0	6.1
MACH I	5.0	5.3	5.3	6.7	6.7	6.0	7.0	6.3	6.0	5.7	6.0	6.7	6.1

TABLE 8.
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2008 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
WAYFARER (L44)	4.7	5.3	5.0	6.0	7.0	6.3	7.0	6.7	6.0	5.7	6.3	6.7	6.1
AMAZING GS (IS-PR 276)	4.7	5.0	4.7	6.0	7.0	6.0	7.0	6.7	6.0	6.0	6.3	7.0	6.0
GRAY FOX (PST-2MNG)	4.7	5.3	5.0	6.3	6.7	6.3	7.0	6.3	6.3	5.7	5.7	7.0	6.0
NEXUS XD (SP4)	5.0	5.0	5.0	6.0	6.3	6.3	6.7	6.7	6.0	5.7	6.7	7.0	6.0
GRAY STAR (PST-2LGL)	5.0	5.0	5.3	6.3	6.0	6.0	6.7	6.7	6.3	6.0	6.0	6.7	6.0
PALMER GLS (GL-2)	5.3	5.3	5.3	6.3	6.3	6.0	6.7	6.3	5.7	5.7	6.0	7.0	6.0
PRESIDIO (CNV)	4.7	5.0	5.0	6.7	7.0	6.3	7.0	6.7	6.0	5.3	6.0	6.3	6.0
HALO (KN42)	4.7	5.3	5.0	7.0	7.0	6.0	6.3	6.3	6.0	5.3	6.0	6.7	6.0
PROTOTYPE (DCM)	4.7	5.0	4.7	6.3	6.3	6.0	6.7	6.7	6.3	5.7	6.3	7.0	6.0
APR 1648	5.0	5.7	5.0	5.7	6.3	6.3	7.0	6.7	6.0	5.3	6.0	6.7	6.0
DELAWARE XL (PICK 01-2)	5.0	5.0	4.7	6.7	6.0	6.3	7.0	6.7	6.0	5.3	6.0	7.0	6.0
LA QUINTA (JR-255)	5.0	5.3	5.0	6.0	6.3	6.0	7.0	7.0	6.0	5.3	5.7	6.7	5.9
ASP6003 (TRS)	4.3	5.0	5.0	6.0	6.7	6.0	7.3	6.7	6.0	5.7	5.7	7.0	5.9
HARRIER (SRX 4UP3)	5.0	5.7	5.3	6.3	6.3	5.7	6.7	6.3	6.0	5.3	6.0	6.7	5.9
PM 102	5.0	5.7	5.0	6.0	6.7	6.0	6.3	6.3	6.3	5.3	6.0	6.7	5.9
EDGE II (AC2)	5.0	5.0	5.0	6.3	6.0	6.3	6.7	6.7	6.0	5.7	6.0	6.3	5.9
GRAND SLAM 2 (PST-2GSM)	4.7	4.7	4.7	6.3	6.0	6.0	7.0	7.0	6.3	5.7	6.0	6.7	5.9
PLATEAU (PST-2LAN)	4.7	5.0	5.0	6.3	6.0	6.3	6.7	6.7	6.3	5.3	6.0	6.7	5.9
PST-217	4.7	4.7	5.3	6.3	6.3	6.3	7.0	6.3	6.0	5.7	6.0	6.0	5.9
MMW	5.0	5.0	5.0	6.3	6.3	6.0	6.3	6.0	6.0	5.7	5.7	7.0	5.9
BAR LP 4420	4.7	5.7	5.3	6.3	6.3	6.0	6.7	6.7	5.7	5.0	5.7	6.3	5.9
PLEASURE SUPREME (PM 103)	5.0	5.0	5.3	6.7	6.3	6.0	6.3	6.3	5.7	5.3	6.0	6.3	5.9
PIZZAZZ	4.7	5.0	5.0	6.0	6.3	6.0	6.7	6.7	6.3	5.3	5.7	6.3	5.8
PST-2BLK	4.3	5.0	4.7	6.0	6.3	6.0	6.7	6.7	6.0	5.7	6.0	6.7	5.8
REVENGE GLX (JR-348)	4.7	5.7	5.0	6.0	6.3	6.0	6.7	6.3	5.7	5.3	6.0	6.3	5.8
SUNSHINE 2	5.0	5.3	5.0	6.0	6.0	5.7	6.3	6.3	6.0	5.3	6.3	6.7	5.8
ASP6002 (BPR)	4.7	4.7	4.7	6.0	6.7	6.3	7.0	6.7	6.0	5.3	5.7	6.0	5.8
INSPIRE	4.7	5.0	5.0	6.3	6.0	6.0	6.7	6.0	6.0	5.7	6.0	6.3	5.8
MONTEREY 3 (JR-408)	4.3	5.0	4.7	6.3	6.0	6.0	6.7	6.7	6.0	5.7	6.0	6.3	5.8
ASP6001 (RTS)	4.3	5.0	5.3	6.0	6.3	5.7	6.7	6.3	6.0	5.7	6.3	6.0	5.8
BREA (04-BRE)	4.7	5.0	5.0	6.0	6.3	6.0	6.7	6.3	6.0	5.0	6.0	6.3	5.8
FIREBOLT (PRG HS-01-09)	4.7	5.0	4.7	6.0	6.3	6.0	6.7	6.0	6.0	5.0	6.3	6.7	5.8
1G SQUARED (APR 1664)	4.7	5.0	4.7	6.0	6.0	6.0	6.7	6.3	6.0	5.3	6.0	6.7	5.8
ES45	4.3	4.7	5.0	6.0	6.3	6.3	6.0	6.0	6.0	5.3	6.3	7.0	5.8
NEXUS XR (SNR)	4.7	4.7	5.0	6.0	6.0	6.3	6.0	6.3	6.3	5.3	6.0	6.7	5.8
RINGER II (04-BEN)	4.7	4.7	4.7	6.3	6.0	6.0	6.7	6.3	6.0	5.0	6.0	7.0	5.8
BAR LP 4920	4.7	4.7	5.0	6.3	6.3	5.7	6.7	6.3	6.0	5.0	5.7	6.7	5.8
CITATION FORE	5.3	5.3	5.0	6.0	6.0	6.0	6.3	6.0	5.7	5.0	5.7	6.7	5.8
DART (APR 1663)	4.7	5.3	5.0	5.7	6.0	6.0	6.0	6.3	6.0	5.7	5.7	6.7	5.8
MANHATTAN 5 GLR (PST-2AM)	5.0	5.0	5.0	5.3	6.0	6.0	6.3	6.7	6.0	5.0	6.0	6.7	5.8
PHENOM (APR 1660)	5.0	5.0	5.0	6.0	6.0	6.0	6.3	6.7	6.0	5.0	5.7	6.3	5.8
PICK 02-R	4.7	5.0	5.3	6.3	6.0	6.3	6.0	6.3	6.0	5.0	5.3	6.7	5.8
REPELL GLS	4.7	5.0	4.7	6.0	6.7	6.0	6.7	6.0	5.7	5.0	6.0	6.7	5.8
FUSION	4.7	4.7	4.7	6.3	6.3	6.0	6.7	5.7	5.7	5.3	6.0	6.7	5.7
WIND DANCE 2 (PWDR)	4.7	4.7	4.7	6.7	6.0	5.7	6.3	6.3	6.0	5.3	6.0	6.3	5.7
PINNACLE II	4.7	4.7	4.7	5.7	6.3	6.0	7.0	6.3	6.0	5.3	6.0	6.0	5.7

TABLE 8.
(CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2008 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CADDIESHACK II (JR-163)	4.3	5.0	4.7	6.0	6.0	6.3	6.3	6.0	6.0	5.0	6.0	6.7	5.7
PIANIST (DP 17-9505)	4.7	5.3	4.7	6.0	6.0	5.7	6.3	6.3	5.7	5.0	6.0	6.7	5.7
BACCARAT (RAD-PR8)	4.7	5.0	4.3	5.7	6.0	6.0	7.0	6.7	6.0	5.7	5.3	6.0	5.7
BARLENNIUM	4.7	4.7	4.7	6.3	6.0	6.0	6.3	6.0	6.0	5.0	6.0	6.7	5.7
DP 17-9788	4.3	5.0	5.0	5.7	6.0	6.0	6.3	6.0	6.0	5.3	6.0	6.7	5.7
FOREVER (DP 17-9499)	4.7	5.0	5.3	6.0	6.0	6.0	6.3	6.0	6.0	5.0	5.3	6.7	5.7
GOALKEEPER II (JR-114)	4.7	5.0	4.7	6.0	6.0	5.7	6.7	6.3	6.0	5.0	6.0	6.3	5.7
TOP GUN II (JR-324)	4.7	5.0	4.3	6.0	6.3	6.0	6.7	6.3	6.0	5.3	5.7	6.0	5.7
ASP6005 (AJM)	4.3	4.3	4.3	6.0	6.0	6.0	7.0	6.3	5.7	5.3	6.0	6.7	5.7
ASP6006 (LPFG)	4.7	4.7	4.7	6.0	6.3	6.0	7.0	6.0	5.3	5.3	6.0	6.0	5.7
HAWKEYE 2 (SRX 4692)	4.7	4.7	5.0	5.7	6.0	6.0	6.7	6.0	5.7	5.3	5.7	6.7	5.7
PENTIUM	4.3	5.0	4.3	5.7	6.0	6.0	6.7	6.3	5.7	5.7	6.0	6.3	5.7
QUICKSILVER	4.3	4.3	5.0	6.0	6.3	5.7	6.3	6.0	5.7	5.3	6.0	6.3	5.6
ACCENT II (JR-119)	4.3	4.7	4.3	6.0	6.0	6.0	6.7	6.0	5.7	5.3	6.0	6.0	5.6
BAR LP 4317	4.3	4.7	4.3	5.7	6.0	5.7	6.3	6.0	6.0	5.3	6.0	6.7	5.6
BRIGHTSTAR SLT	4.3	5.0	4.3	5.7	6.0	6.0	6.3	6.3	6.0	5.3	5.3	6.0	5.6
LS 2300 (APR 1670)	5.0	5.0	4.7	6.0	6.0	6.0	6.0	5.7	5.7	5.0	5.3	6.3	5.6
PALMER III	4.3	4.7	4.7	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.7	6.3	5.6
PREMIER	4.3	5.0	4.7	5.7	6.0	5.7	6.0	6.0	5.7	4.7	6.0	6.3	5.5
PREMIER II	4.3	4.7	4.0	6.0	6.3	5.7	6.0	6.0	5.7	5.0	6.0	6.3	5.5
HEADSTART 2	4.0	4.3	4.7	6.0	6.0	6.0	6.0	6.3	6.0	5.0	5.0	6.0	5.4
PINNACLE	4.3	4.7	4.3	5.3	5.7	6.0	6.0	6.0	6.0	5.0	5.3	6.7	5.4
SRX 4682	4.3	4.7	4.7	5.7	6.0	5.7	6.0	6.0	5.7	5.0	5.3	6.0	5.4
AFFINITY	4.3	5.0	4.3	5.7	6.0	6.0	6.0	6.0	5.7	4.3	5.3	6.0	5.4
LPR 02203	4.3	4.3	4.3	5.7	6.0	6.0	6.3	5.7	5.7	4.7	5.7	6.0	5.4
PANTHER	4.3	5.0	4.3	5.7	6.0	5.7	6.0	5.7	5.7	4.7	5.3	6.0	5.4
LINN	4.0	4.3	4.0	4.0	5.0	5.7	5.0	5.3	5.0	4.3	4.3	5.7	4.7
LSD VALUE	0.9	1.0	1.0	0.9	0.6	0.9	0.9	0.9	0.8	0.9	0.7	0.8	0.5
C.V. (%)	11.8	12.5	12.4	9.1	6.2	8.6	8.0	8.5	7.9	10.3	6.9	7.4	4.8

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 9.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN UNDER TRAFFIC STRESS AT EAST LANSING, MI 1/
 2008 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT	PERCENT	PERCENT	WEAR	MAY	JUN	QUALITY RATINGS			MEAN
	COVER	COVER	COVER				TOLERANCE	JUL	AUG	
	SPRING	SUMMER	FALL							
BAR LP 4317	70.0	73.3	66.7	6.0	4.7	4.0	7.0	7.0	6.7	5.9
NOTABLE (AF)	63.3	83.3	63.3	6.7	4.0	4.0	7.0	7.0	7.0	5.8
EXACTA II GLSR (LTP-611-GLSR)	66.7	83.3	60.0	7.0	4.0	4.7	7.0	6.0	7.3	5.8
PARAGON GLR	63.3	80.0	53.3	5.7	3.7	4.3	6.7	7.0	7.3	5.8
ALLSTAR 3 (IS-PR 274)	63.3	76.7	63.3	6.7	4.7	4.0	7.0	6.0	7.0	5.7
PLEASURE SUPREME (PM 103)	60.0	73.3	70.0	6.0	4.3	4.0	6.7	6.3	7.3	5.7
STELLAR GL (IS-PR 236)	66.7	86.7	66.7	6.3	4.3	3.7	7.0	7.0	6.3	5.7
ACCENT II (JR-119)	70.0	80.0	66.7	7.0	4.0	4.0	6.3	7.3	6.3	5.6
MMW	70.0	73.3	66.7	6.7	4.0	4.3	6.7	5.7	7.3	5.6
PALMER III	73.3	86.7	60.0	5.7	4.7	3.7	7.3	7.0	5.3	5.6
SRX 4682	56.7	75.0	70.0	7.0	4.3	3.7	6.7	6.7	6.7	5.6
APR 1648	63.3	75.0	60.0	6.3	3.7	4.3	6.7	6.7	6.3	5.5
BAR LP 4420	63.3	70.0	73.3	7.0	3.3	4.0	6.7	6.3	7.0	5.5
DASHER 3 (PICK RB-1)	70.0	76.7	66.7	7.0	3.7	3.7	7.0	6.7	6.7	5.5
FOREVER (DP 17-9499)	66.7	81.7	63.3	6.7	3.3	4.3	6.7	6.7	6.7	5.5
EDGE II (AC2)	66.7	81.7	63.3	7.0	3.3	3.7	7.0	7.0	6.3	5.5
PALMER GLS (GL-2)	56.7	81.7	63.3	6.7	4.0	4.3	6.7	6.7	6.0	5.5
HOMERUN (RG3P)	60.0	71.7	56.7	7.0	3.7	3.7	7.0	6.3	6.7	5.5
PST-217	60.0	76.7	63.3	6.3	4.0	4.3	6.7	6.0	6.7	5.5
SILVER DOLLAR	70.0	80.0	66.7	6.7	3.3	4.3	6.3	6.7	6.7	5.5
TR47	70.0	71.7	66.7	5.7	4.0	4.3	6.3	7.3	5.7	5.5
PROTOTYPE (DCM)	56.7	75.0	56.7	6.7	3.3	3.3	7.0	6.7	6.7	5.4
DEFENDER (D04-UP)	66.7	81.7	66.7	6.7	3.3	3.7	6.3	6.7	7.0	5.4
KEYSTONE 2 (IS-PR 312)	66.7	73.3	63.3	6.0	4.3	4.3	6.0	5.3	7.0	5.4
PRESIDIO (CNV)	46.7	85.0	66.7	6.7	4.0	3.7	6.0	6.7	6.7	5.4
PROTEGE GLR	50.0	76.7	73.3	6.3	3.7	4.0	5.7	6.7	7.0	5.4
APPLE GL (AAZ-B104)	53.3	83.3	70.0	6.7	3.7	4.3	6.0	6.3	6.0	5.3
ATTRIBUTE (IS-PR 270)	53.3	80.0	66.7	7.0	4.0	3.3	6.3	6.0	7.0	5.3
BACCARAT (RAD-PR8)	63.3	68.3	60.0	6.7	3.0	4.0	6.7	6.0	6.7	5.3
BAR LP 4920	66.7	75.0	66.7	6.3	3.3	3.7	6.3	6.3	6.7	5.3
BARLENNIUM	66.7	83.3	63.3	7.0	4.0	3.7	6.7	5.7	6.3	5.3
BRIGHTSTAR SLT	56.7	75.0	66.7	6.7	3.7	3.7	5.7	6.7	6.7	5.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	60.0	80.0	63.3	7.0	4.0	3.7	5.7	7.0	6.3	5.3
DART (APR 1663)	56.7	73.3	70.0	6.7	3.0	4.0	6.7	6.3	6.7	5.3
MAJESTY II (VB77)	66.7	66.7	66.7	6.0	3.7	4.0	6.7	5.7	6.3	5.3
MANHATTAN 5 GLR (PST-2AM)	56.7	76.7	66.7	7.0	4.0	3.7	6.3	6.7	6.0	5.3
NEXUS XR (SNR)	66.7	71.7	70.0	6.7	4.0	3.3	6.0	6.3	7.0	5.3
SECRETARIAT II GLSR (LTP-101-GLSR)	60.0	73.3	66.7	6.0	3.7	4.3	5.3	7.0	6.3	5.3
ZOOM (LCK)	60.0	80.0	70.0	7.0	3.7	3.0	7.0	6.7	6.0	5.3
CABO II (IS-PR 233)	63.3	81.7	60.0	6.3	3.3	4.0	6.3	6.0	6.3	5.2
GALATTI (DP 17-9502)	56.7	70.0	66.7	6.7	3.3	3.7	6.3	6.7	6.0	5.2
GRAY FOX (PST-2MNG)	40.0	76.7	70.0	7.0	2.7	3.7	6.0	6.7	7.0	5.2
INSPIRE	63.3	75.0	66.7	6.0	3.3	4.0	5.7	6.0	7.0	5.2
PALACE (IS-PR 273)	53.3	81.7	63.3	7.0	3.7	4.0	6.3	6.3	5.7	5.2
PALMER IV	73.3	58.3	56.7	6.7	3.0	3.3	7.0	6.3	6.3	5.2
PM 102	50.0	70.0	70.0	6.7	3.3	3.7	6.3	6.3	6.3	5.2
PACESETTER II (PS-2)	66.7	80.0	60.0	6.7	3.3	3.7	6.7	6.0	6.3	5.2

TABLE 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT EAST LANSING, MI 1/
 2008 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT	PERCENT	PERCENT	WEAR TOLERANCE	MAY	QUALITY RATINGS				MEAN
	COVER SPRING	COVER SUMMER	COVER FALL			JUN	JUL	AUG	NOV	
1G SQUARED (APR 1664)	56.7	70.0	60.0	7.0	3.7	4.0	6.3	6.0	5.7	5.1
SOPRANO (DP1)	53.3	73.3	63.3	5.7	4.0	3.7	6.0	6.0	6.0	5.1
HAWKEYE 2 (SRX 4692)	50.0	75.0	66.7	6.0	3.3	3.3	5.0	6.7	7.0	5.1
MONTEREY 3 (JR-408)	53.3	70.0	66.7	5.7	3.7	4.0	6.0	5.7	6.3	5.1
PANTHER	46.7	81.7	76.7	7.0	2.7	3.0	6.7	6.3	6.7	5.1
PIZZAZZ	53.3	68.3	56.7	6.7	3.3	4.3	5.3	6.3	6.0	5.1
REPELL GLS	43.3	73.3	70.0	6.3	3.0	3.7	6.0	5.7	7.0	5.1
RINGER II (04-BEN)	56.7	68.3	60.0	6.3	3.7	3.0	6.0	6.7	6.0	5.1
TRANSFORMER (D04-1667)	63.3	78.3	70.0	7.3	3.0	3.0	5.7	7.0	6.7	5.1
ASP6002 (BPR)	63.3	56.7	63.3	6.3	3.3	4.3	5.3	5.3	6.7	5.0
ASP6003 (TRS)	63.3	71.7	56.7	6.7	3.3	3.3	6.0	6.0	6.3	5.0
ASP6004 (EXS54)	63.3	75.0	60.0	7.0	3.7	3.7	5.3	6.0	6.3	5.0
ASP6006 (LPFG)	63.3	80.0	66.7	6.7	3.3	3.3	6.7	6.0	5.7	5.0
E-99	63.3	73.3	63.3	5.7	3.3	3.0	5.7	6.7	6.3	5.0
ES45	53.3	70.0	70.0	5.7	3.7	3.7	6.3	6.0	5.3	5.0
GRAY STAR (PST-2LGL)	66.7	83.3	73.3	7.0	3.3	3.7	6.0	6.0	6.0	5.0
OVERDRIVE	50.0	66.7	60.0	5.7	4.3	3.7	6.0	5.7	5.3	5.0
PREMIER II	60.0	76.7	56.7	6.0	3.3	3.7	6.3	6.0	5.7	5.0
VB99	70.0	76.7	66.7	7.0	4.0	3.3	5.7	6.3	5.7	5.0
CADDIESHACK II (JR-163)	63.3	71.7	66.7	6.0	3.3	4.0	5.0	5.7	6.7	4.9
CITATION FORE	53.3	76.7	56.7	6.7	3.0	3.7	6.0	5.7	6.3	4.9
D04-LP05	56.7	76.7	70.0	7.3	3.7	3.0	5.7	5.3	7.0	4.9
DELAWARE XL (PICK 01-2)	53.3	61.7	56.7	5.3	3.7	3.7	5.7	5.7	5.7	4.9
DP 17-9788	53.3	75.0	53.3	6.7	3.0	3.0	6.7	5.7	6.3	4.9
FIJI (GPR)	53.3	70.0	66.7	5.7	3.0	3.7	5.7	5.3	7.0	4.9
LINE DRIVE GLS (APR 1797)	70.0	70.0	56.7	6.0	3.7	3.3	6.3	7.0	4.0	4.9
PENTIUM	50.0	70.0	60.0	7.0	2.7	3.3	6.3	5.7	6.7	4.9
DERBY XTREME (IS-PR 268)	63.3	66.7	60.0	6.3	3.7	3.7	5.3	5.7	5.7	4.8
FUSION	60.0	71.7	60.0	6.3	3.0	3.0	6.0	6.0	6.0	4.8
MACH I	50.0	56.7	53.3	5.7	3.7	3.7	5.7	5.3	5.7	4.8
PIANIST (DP 17-9505)	53.3	73.3	70.0	6.3	2.7	3.3	6.0	6.0	6.0	4.8
PINNACLE II	53.3	76.7	70.0	7.0	2.7	3.3	5.7	6.7	5.7	4.8
QUICKSILVER	66.7	73.3	66.7	7.0	3.3	3.7	6.0	5.3	5.7	4.8
PALMER V (RNS)	53.3	75.0	56.7	6.0	3.0	3.3	6.0	6.7	5.0	4.8
LS 2300 (APR 1670)	60.0	53.3	66.7	5.0	3.0	3.0	6.3	5.7	5.7	4.7
ASP6005 (AJM)	60.0	73.3	66.7	6.0	3.7	2.7	5.0	5.7	6.7	4.7
BUENA VISTA	53.3	78.3	63.3	7.0	3.3	3.3	5.3	5.7	5.7	4.7
HALO (KN42)	56.7	76.7	63.3	6.3	3.0	3.7	5.0	5.3	6.3	4.7
NEXUS XD (SP4)	66.7	56.7	60.0	7.0	3.0	3.0	5.7	6.0	6.0	4.7
PANTHER GLS	50.0	73.3	56.7	6.0	2.7	3.7	5.3	6.7	5.0	4.7
PRIMARY (IS-PR 269)	50.0	66.7	60.0	6.3	3.7	3.0	5.7	5.3	5.7	4.7
PST-2AG4	40.0	66.7	56.7	6.0	3.3	3.3	5.7	5.7	5.3	4.7
REGAL 5 (IS-PR 271)	46.7	68.3	60.0	6.3	3.3	3.7	5.0	5.7	6.0	4.7
REVENGE GLX (JR-348)	46.7	63.3	46.7	5.3	3.0	3.3	5.7	5.7	5.7	4.7
WIND DANCE 2 (PWDR)	66.7	63.3	53.3	5.7	3.7	3.3	5.7	5.7	5.3	4.7
CALYPSO 3 (MS2)	63.3	60.0	66.7	6.7	2.3	3.7	6.3	5.3	5.3	4.6
CUTTER II (PM 101)	53.3	76.7	66.7	5.7	3.3	3.0	4.7	6.0	6.0	4.6

TABLE 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE GROWN UNDER TRAFFIC STRESS AT EAST LANSING, MI 1/ 2008 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT	PERCENT	PERCENT	WEAR TOLERANCE	MAY	QUALITY RATINGS				MEAN
	COVER SPRING	COVER SUMMER	COVER FALL			JUN	JUL	AUG	NOV	
FIREBOLT (PRG HS-01-09)	43.3	66.7	43.3	6.0	3.0	2.7	6.3	4.7	6.3	4.6
LA QUINTA (JR-255)	56.7	63.3	56.7	5.0	3.3	3.7	5.0	5.3	5.7	4.6
PHENOM (APR 1660)	53.3	66.7	60.0	5.7	3.0	3.0	6.0	5.3	5.7	4.6
TOP GUN II (JR-324)	50.0	60.0	56.7	5.3	3.7	3.0	6.0	5.7	4.7	4.6
AMAZING GS (IS-PR 276)	56.7	65.0	50.0	6.3	3.0	3.0	5.7	6.0	4.7	4.5
HEADSTART 2	56.7	63.3	60.0	5.7	3.0	3.3	4.3	6.3	5.7	4.5
LPR 02203	40.0	76.7	66.7	5.7	3.0	3.0	5.0	6.0	5.3	4.5
PLATEAU (PST-2LAN)	33.3	68.3	50.0	5.3	3.3	3.0	5.0	6.3	5.0	4.5
ASP6001 (RTS)	53.3	61.7	63.3	5.3	3.0	3.7	5.0	5.3	5.0	4.4
GOALKEEPER II (JR-114)	56.7	68.3	53.3	6.7	3.0	3.3	5.7	5.0	5.0	4.4
PINNACLE	53.3	63.3	53.3	6.7	3.0	2.3	5.3	6.0	5.3	4.4
UNO (D04-11T)	43.3	66.7	66.7	6.3	3.0	2.7	5.0	5.7	5.7	4.4
WAYFARER (L44)	70.0	58.3	63.3	5.3	3.0	3.0	5.7	5.3	5.0	4.4
AFFINITY	50.0	65.0	53.3	5.7	2.7	3.0	5.3	5.3	5.0	4.3
FIESTA 4 (PICK F4)	46.7	60.0	56.7	5.0	3.0	2.3	5.3	5.7	5.0	4.3
SR 4600 (SRX 4SP)	43.3	60.0	56.7	6.7	3.0	2.3	6.0	5.3	5.0	4.3
GRAND SLAM 2 (PST-2GSM)	43.3	75.0	60.0	6.0	3.3	3.3	4.7	5.0	4.7	4.2
PREMIER	46.7	61.7	60.0	5.3	2.3	3.0	4.7	4.7	6.3	4.2
PST-2BLK	50.0	56.7	50.0	6.0	2.3	3.3	5.3	4.3	5.7	4.2
KOKOMO II (IS-PR 235)	40.0	58.3	63.3	5.7	2.7	3.0	4.0	4.3	6.7	4.1
BREA (04-BRE)	30.0	58.3	53.3	5.0	3.0	2.0	4.7	5.7	4.7	4.0
HARRIER (SRX 4UP3)	40.0	65.0	56.7	5.3	3.0	2.3	5.7	4.7	4.3	4.0
PICK 02-R	40.0	63.3	53.3	5.3	2.7	2.7	4.7	5.3	4.3	3.9
SUNSHINE 2	33.3	61.7	53.3	5.3	3.3	2.7	4.0	4.3	5.0	3.9
LINN	60.0	33.3	66.7	6.7	1.3	1.7	3.0	3.0	4.0	2.6
LSD VALUE	64.6	54.2	42.4	7.9	3.1	2.7	4.4	4.4	2.3	1.9
C.V. (%)	27.5	19.4	16.6	19.6	25.2	24.1	20.5	19.2	16.8	14.6

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

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

TABLE 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN UNDER TRAFFIC STRESS AT MEAD, NE 1/
 2008 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	8.7	6.0	9.0	9.0	9.0	7.3	9.0	8.3	8.3	7.7	9.0	8.3
KOKOMO II (IS-PR 235)	8.7	6.3	9.0	8.7	9.0	7.0	8.7	8.3	8.0	7.7	8.7	8.1
PICK 02-R	8.7	5.3	9.0	8.7	9.0	7.7	9.0	8.3	7.3	7.3	8.7	8.1
APR 1648	9.0	6.7	9.0	9.0	9.0	6.7	8.0	8.7	8.3	7.7	8.7	8.0
ASP6005 (AJM)	8.7	7.7	9.0	9.0	9.0	7.7	8.7	7.7	7.7	7.7	8.7	8.0
PALACE (IS-PR 273)	8.3	7.0	9.0	9.0	9.0	7.7	9.0	8.0	7.7	7.7	8.0	8.0
PALMER IV	9.0	6.3	9.0	8.7	9.0	7.3	8.3	8.0	7.7	8.0	8.7	8.0
PLEASURE SUPREME (PM 103)	8.0	6.3	8.7	8.7	9.0	7.7	7.7	8.3	8.0	8.0	8.3	8.0
ALLSTAR 3 (IS-PR 274)	8.0	6.7	9.0	9.0	8.7	7.7	8.3	8.0	8.0	7.7	8.0	7.9
HALO (KN42)	8.3	6.3	8.7	8.0	9.0	7.0	8.3	8.0	7.7	7.7	8.7	7.9
REGAL 5 (IS-PR 271)	9.0	6.3	8.7	8.3	9.0	7.0	9.0	8.0	7.7	7.3	8.3	7.9
REVENGE GLX (JR-348)	8.7	6.0	9.0	9.0	9.0	7.3	8.7	8.0	7.7	7.7	8.0	7.9
SILVER DOLLAR	8.3	7.0	9.0	9.0	9.0	7.3	8.7	8.0	7.3	8.0	8.0	7.9
VB99	8.3	6.7	9.0	8.7	9.0	7.0	9.0	7.7	8.0	8.0	8.0	7.9
WIND DANCE 2 (PWDR)	8.7	6.0	9.0	8.3	9.0	6.3	9.0	8.3	7.7	7.7	8.7	7.9
1G SQUARED (APR 1664)	8.0	6.3	9.0	8.7	8.7	6.7	8.3	7.7	7.7	8.0	8.3	7.8
CALYPSO 3 (MS2)	8.3	6.3	9.0	8.3	9.0	6.3	8.7	7.7	8.0	8.0	8.3	7.8
CUTTER II (PM 101)	8.3	5.3	9.0	7.7	9.0	6.7	8.7	8.0	7.3	7.3	8.7	7.8
NEXUS XD (SP4)	9.0	6.7	9.0	8.7	8.7	8.0	8.7	7.3	6.7	7.3	8.7	7.8
PALMER V (RNS)	7.7	7.3	9.0	9.0	9.0	7.7	8.3	7.3	7.7	7.7	8.0	7.8
TOP GUN II (JR-324)	8.0	7.0	9.0	9.0	9.0	7.7	8.0	8.3	8.0	7.3	7.3	7.8
AMAZING GS (IS-PR 276)	8.3	6.0	8.3	8.3	9.0	6.7	8.0	7.3	7.7	7.7	8.7	7.7
ASP6003 (TRS)	8.7	5.0	9.0	7.3	8.7	5.7	8.3	8.0	7.7	8.0	8.3	7.7
ASP6004 (EXS54)	8.7	5.7	9.0	8.7	9.0	7.3	8.7	8.7	6.0	6.7	9.0	7.7
ASP6006 (LPFG)	8.7	6.0	8.7	8.0	9.0	6.7	9.0	8.3	6.7	7.0	8.3	7.7
ATTRIBUTE (IS-PR 270)	8.0	6.0	9.0	8.7	9.0	6.3	8.0	7.7	7.7	8.0	8.3	7.7
DASHER 3 (PICK RB-1)	8.3	6.3	8.7	8.7	8.7	7.0	8.0	7.7	8.0	7.3	8.0	7.7
ES45	8.3	7.0	9.0	8.3	8.7	6.7	8.3	8.0	7.7	7.3	8.3	7.7
FIESTA 4 (PICK F4)	8.7	7.0	9.0	9.0	8.7	7.0	8.0	8.0	7.3	7.3	8.3	7.7
FIREBOLT (PRG HS-01-09)	8.7	6.0	8.7	8.3	9.0	7.0	8.3	7.3	7.3	7.7	8.7	7.7
FUSION	8.7	6.0	8.3	8.3	8.7	6.7	8.3	7.7	7.3	7.7	8.3	7.7
SR 4600 (SRX 4SP)	8.0	6.3	9.0	9.0	9.0	6.7	8.7	7.7	7.7	8.0	7.7	7.7
SUNSHINE 2	8.3	5.3	9.0	8.0	9.0	7.0	8.0	7.7	7.7	7.7	8.3	7.7
APPLE GL (AAZ-B104)	8.3	7.0	9.0	9.0	9.0	7.0	8.0	7.7	7.3	7.7	8.0	7.6
ASP6001 (RTS)	8.0	6.3	9.0	9.0	9.0	7.3	9.0	7.0	6.7	7.3	8.0	7.6
ASP6002 (BPR)	8.7	7.0	8.3	8.0	8.7	5.7	8.7	8.0	7.3	8.0	8.0	7.6
BAR LP 4420	7.3	5.7	9.0	8.7	9.0	7.0	8.7	7.3	7.0	7.7	7.7	7.6
CABO II (IS-PR 233)	8.7	6.3	8.7	8.3	8.7	7.3	8.0	7.7	7.0	7.3	8.0	7.6
DELAWARE XL (PICK 01-2)	8.7	5.7	8.7	8.3	9.0	6.3	8.0	8.3	7.7	7.0	8.3	7.6
DERBY XTREME (IS-PR 268)	8.3	6.0	9.0	8.3	8.7	7.0	8.7	7.7	6.3	7.7	8.0	7.6
FIJI (GPR)	8.7	5.3	9.0	8.3	9.0	6.7	8.3	8.0	6.3	7.3	8.7	7.6
LA QUINTA (JR-255)	8.3	6.3	8.0	8.7	9.0	7.0	8.3	7.3	7.0	7.3	8.7	7.6
NEXUS XR (SNR)	8.7	5.7	8.3	8.0	9.0	6.3	8.7	8.0	6.7	7.0	8.7	7.6
PM 102	8.7	5.7	8.3	7.3	9.0	6.7	8.7	7.7	6.3	7.3	8.7	7.6
PRESIDIO (CNV)	8.0	5.7	9.0	8.7	9.0	7.0	8.7	8.3	6.3	6.7	8.3	7.6
PRIMARY (IS-PR 269)	7.7	7.3	9.0	9.0	9.0	7.3	7.3	7.7	7.3	7.7	8.3	7.6
PST-2AG4	8.0	6.3	9.0	9.0	8.7	7.0	7.7	7.3	7.3	8.0	8.3	7.6

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT MEAD, NE 1/
2008 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	
UNO (D04-11T)	8.3	6.0	9.0	7.3	8.7	6.7	8.3	8.0	6.7	7.7	8.3	7.6
WAYFARER (L44)	8.7	5.3	8.7	7.3	9.0	6.7	8.7	7.7	7.0	7.0	8.3	7.6
PALMER GLS (GL-2)	8.0	7.0	9.0	9.0	9.0	7.3	7.3	7.3	7.3	7.3	8.3	7.5
GRAND SLAM 2 (PST-2GSM)	8.0	6.0	8.7	9.0	9.0	7.7	7.7	6.7	7.3	7.7	8.0	7.5
MACH I	8.3	6.7	9.0	8.7	9.0	7.0	8.0	7.7	8.0	6.3	8.0	7.5
MAJESTY II (VB77)	8.7	6.7	7.7	7.7	9.0	6.3	8.0	7.0	7.3	8.0	8.3	7.5
OVERDRIVE	7.3	6.0	9.0	9.0	9.0	6.7	8.3	7.0	8.0	8.0	7.0	7.5
SOPRANO (DP1)	8.7	6.0	9.0	8.7	9.0	6.7	8.3	8.3	5.3	7.0	8.7	7.4
E-99	8.0	7.0	9.0	8.3	9.0	6.7	7.7	7.3	7.0	7.7	8.3	7.4
EXACTA II GLSR (LTP-611-GLSR)	8.0	6.7	8.7	9.0	9.0	7.3	8.0	7.7	6.3	6.7	8.7	7.4
PACESETTER II (PS-2)	8.0	6.7	8.7	8.3	8.7	6.7	8.3	7.3	7.0	7.7	7.7	7.4
TRANSFORMER (D04-1667)	8.0	6.0	9.0	8.0	9.0	6.3	7.3	7.7	7.3	8.0	7.7	7.4
PROTOTYPE (DCM)	7.7	5.3	9.0	8.3	8.7	6.7	8.0	7.3	6.7	7.3	7.7	7.3
EDGE II (AC2)	8.3	5.3	8.7	7.3	9.0	5.7	8.0	7.3	7.0	7.3	8.3	7.3
GALATTI (DP 17-9502)	8.0	6.0	9.0	7.7	8.7	6.3	8.3	7.0	6.7	7.3	8.0	7.3
GOALKEEPER II (JR-114)	7.7	6.0	8.7	8.3	9.0	6.7	7.3	6.7	7.7	7.7	7.7	7.3
GRAY FOX (PST-2MNG)	8.0	7.0	9.0	8.3	9.0	7.0	8.0	7.3	7.0	7.3	7.3	7.3
HAWKEYE 2 (SRX 4692)	7.0	6.7	7.7	8.3	8.7	6.7	7.7	7.0	7.3	7.3	7.7	7.3
HOMERUN (RG3P)	8.7	6.3	8.3	7.7	9.0	6.3	7.7	7.0	7.3	7.7	7.7	7.3
MMW	8.0	6.3	8.7	8.7	9.0	6.3	7.7	7.3	7.7	7.0	8.0	7.3
PIANIST (DP 17-9505)	7.7	7.0	9.0	9.0	9.0	7.0	7.7	7.3	7.0	7.3	7.7	7.3
PIZZAZZ	8.0	6.0	9.0	8.0	9.0	6.7	8.0	7.3	7.3	6.7	8.0	7.3
PROTEGE GLR	8.0	6.0	9.0	7.3	9.0	6.3	8.3	7.7	6.7	6.7	8.0	7.3
PST-2BLK	7.3	6.7	8.3	8.0	9.0	6.7	7.0	7.0	8.0	8.0	7.3	7.3
SECRETARIAT II GLSR (LTP-101-GLSR)	7.7	7.3	9.0	9.0	9.0	6.7	7.7	7.0	7.0	7.3	8.0	7.3
STELLAR GL (IS-PR 236)	8.3	5.7	9.0	8.0	8.3	7.0	7.7	7.7	6.3	7.0	8.3	7.3
NOTABLE (AF)	7.7	6.7	9.0	8.3	9.0	6.7	7.7	7.3	6.0	7.0	8.3	7.2
BACCARAT (RAD-PR8)	7.7	6.7	8.7	8.3	9.0	7.0	7.7	7.3	6.7	7.0	7.7	7.2
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	6.3	8.3	8.3	8.7	6.7	7.7	7.0	7.3	7.3	7.3	7.2
CITATION FORE	7.7	6.3	8.7	8.0	9.0	6.3	7.7	6.7	7.7	7.7	7.3	7.2
HARRIER (SRX 4UP3)	7.7	5.7	9.0	7.7	9.0	6.3	8.0	7.0	6.7	6.7	8.3	7.2
PINNACLE II	7.3	6.3	9.0	8.7	8.7	7.0	8.0	7.3	6.3	7.3	7.3	7.2
PST-217	7.0	6.3	8.7	9.0	9.0	7.0	7.0	7.0	7.3	7.7	7.3	7.2
RINGER II (04-BEN)	7.7	6.3	9.0	9.0	9.0	7.0	7.0	7.3	7.0	7.0	8.0	7.2
ZOOM (LCK)	8.0	5.0	9.0	8.0	9.0	6.0	8.3	7.7	6.7	7.0	7.7	7.2
LS 2300 (APR 1670)	8.3	5.3	9.0	7.7	9.0	6.3	7.0	7.3	7.0	7.0	7.7	7.1
BAR LP 4920	7.7	5.3	9.0	7.0	9.0	6.3	7.0	7.3	7.0	7.3	7.3	7.1
BREA (04-BRE)	8.3	5.0	8.3	7.7	9.0	6.0	7.3	7.7	6.7	6.7	8.0	7.1
DART (APR 1663)	8.3	6.3	9.0	9.0	9.0	7.0	7.7	7.0	6.0	6.7	8.3	7.1
DEFENDER (D04-UP)	8.0	5.7	8.0	8.0	9.0	6.0	6.7	6.7	7.0	8.0	8.0	7.1
GRAY STAR (PST-2LGL)	7.0	6.3	8.0	8.7	9.0	7.3	7.0	7.0	7.0	7.3	7.0	7.1
INSPIRE	7.0	7.0	9.0	9.0	9.0	6.7	7.3	6.7	7.3	7.0	7.3	7.1
MONTEREY 3 (JR-408)	7.7	6.0	9.0	9.0	9.0	6.7	7.3	7.0	7.0	7.3	7.3	7.1
PANTHER GLS	7.3	5.0	8.7	8.3	9.0	6.0	7.7	7.0	7.3	7.7	7.0	7.1
PARAGON GLR	8.0	6.3	9.0	7.7	9.0	6.3	8.3	7.7	6.3	5.7	8.0	7.1
BRIGHTSTAR SLT	8.0	6.3	8.7	8.7	9.0	7.0	7.0	7.0	6.7	7.0	7.3	7.0
BUENA VISTA	8.0	6.3	8.7	8.0	9.0	6.3	7.7	7.3	6.0	6.7	8.0	7.0

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT MEAD, NE 1/
2008 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				OCT	MEAN
								JUL	AUG	SEP			
FOREVER (DP 17-9499)	8.0	7.0	8.0	8.0	8.3	6.7	7.3	7.0	6.7	7.0	7.3	7.0	
KEYSTONE 2 (IS-PR 312)	8.0	5.0	9.0	7.0	8.7	6.3	8.0	7.3	5.7	7.0	7.7	7.0	
MANHATTAN 5 GLR (PST-2AM)	7.3	7.3	9.0	9.0	8.7	6.7	7.0	6.7	7.0	7.0	7.7	7.0	
BAR LP 4317	7.0	6.3	9.0	9.0	9.0	6.7	7.3	6.3	7.0	7.0	7.3	6.9	
BARLENNIUM	7.3	6.0	9.0	8.7	8.3	6.0	7.3	7.3	6.7	7.0	7.3	6.9	
DP 17-9788	7.7	7.0	9.0	8.7	8.7	6.0	7.0	6.7	7.0	7.3	7.3	6.9	
PHENOM (APR 1660)	8.0	4.7	9.0	7.7	8.7	6.3	8.0	7.7	5.7	6.0	7.7	6.9	
CADDIESHACK II (JR-163)	7.3	5.3	8.7	7.3	8.7	6.0	7.7	6.3	6.7	7.0	7.3	6.8	
D04-LP05	8.0	5.7	9.0	8.3	8.7	6.0	7.0	7.0	6.0	6.7	8.3	6.8	
HEADSTART 2	8.0	5.7	8.0	7.3	7.7	6.0	7.0	6.3	6.7	7.0	8.0	6.8	
PALMER III	7.3	6.3	8.7	8.0	8.3	6.3	7.0	6.7	6.3	7.0	7.3	6.8	
PLATEAU (PST-2LAN)	7.3	6.3	9.0	9.0	8.7	6.7	7.3	6.7	6.3	6.7	7.0	6.8	
REPELL GLS	7.7	5.7	7.3	7.7	8.3	5.7	7.0	6.7	6.0	7.3	8.0	6.8	
ACCENT II (JR-119)	7.3	6.0	9.0	8.7	8.7	7.0	7.0	7.0	5.7	6.7	7.0	6.7	
QUICKSILVER	7.7	4.7	7.3	7.3	9.0	6.0	7.0	7.0	6.0	7.3	7.0	6.7	
LINE DRIVE GLS (APR 1797)	7.7	5.7	8.3	8.0	9.0	6.3	6.3	6.0	6.7	7.0	7.3	6.6	
PANTHER	6.7	6.3	8.7	8.3	9.0	6.0	6.7	6.0	7.0	6.7	7.3	6.6	
PENTIUM	7.0	6.3	9.0	8.7	9.0	5.3	7.0	7.0	6.7	6.3	7.3	6.6	
PREMIER II	7.3	6.3	9.0	8.3	8.7	6.0	6.7	7.0	6.0	7.0	7.0	6.6	
SRX 4682	7.0	5.7	8.7	8.3	8.7	6.3	7.0	6.0	6.0	7.0	7.0	6.6	
LPR 02203	6.3	6.3	8.3	8.7	9.0	6.0	6.0	6.0	7.0	7.0	7.0	6.5	
AFFINITY	5.3	6.7	8.7	7.3	9.0	4.7	5.7	5.7	5.0	6.7	6.7	5.7	
PREMIER	6.3	6.3	8.3	8.0	8.7	5.3	6.0	5.3	4.7	6.0	6.3	5.6	
PINNACLE	5.3	6.3	8.3	8.3	9.0	4.7	5.0	5.3	5.0	5.7	6.0	5.3	
LINN	5.0	4.0	7.7	5.7	7.7	3.0	3.0	3.3	3.0	4.0	5.0	3.6	
LSD VALUE	0.8	3.2	2.1	3.0	1.0	1.3	1.0	1.0	2.3	2.6	0.9	0.7	
C.V. (%)	6.3	16.1	6.9	11.1	4.0	10.9	8.5	8.7	15.1	12.1	7.2	5.9	

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

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

TABLE 11.

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/																	
	IA1	IL1	IL2	IN1	MA1	MI1	MN1	MO1	NE1	NJ1	OR1	PA1	RI1	SD1	UT1	VA1	WA1	MEAN
PICK 02-R	7.3	6.0	8.7	7.0	7.3	6.0	6.3	8.3	9.0	8.3	7.7	9.0	6.7	6.0	7.0	7.0	8.0	7.4
HALO (KN42)	7.0	6.7	8.7	7.3	7.3	6.7	6.3	6.7	9.0	7.7	8.0	8.7	7.7	7.0	5.0	7.0	8.0	7.3
NEXUS XD (SP4)	8.0	5.7	8.0	7.0	7.7	6.3	7.3	7.0	9.0	8.0	8.7	7.7	8.3	5.7	5.0	7.0	8.3	7.3
PM 102	7.7	6.3	7.0	6.7	7.0	6.7	7.3	6.7	9.0	8.0	8.0	8.3	7.7	6.0	6.3	7.0	8.7	7.3
ASP6006 (LPFG)	7.3	6.7	8.0	7.0	7.3	6.0	7.3	6.3	9.0	7.7	7.7	7.7	7.3	6.3	6.3	7.0	8.3	7.3
WAYFARER (L44)	6.7	6.0	8.7	6.7	7.3	6.3	6.7	6.7	9.0	8.3	8.3	7.7	8.0	6.3	6.0	7.0	7.7	7.3
ES45	6.3	6.3	8.7	7.0	7.0	6.0	6.7	7.3	9.0	6.7	8.0	8.3	7.3	6.5	6.0	7.0	8.0	7.2
NEXUS XR (SNR)	7.3	6.3	8.0	6.7	7.0	6.3	7.3	7.3	8.7	6.3	8.0	7.7	7.0	6.0	7.0	7.0	8.0	7.2
VB99	7.0	6.3	8.0	7.3	7.0	6.3	5.7	7.0	8.7	8.0	8.3	8.0	7.0	5.7	7.0	7.0	7.7	7.2
ASP6002 (BPR)	6.3	6.3	8.3	6.3	7.0	6.0	7.0	7.3	8.7	7.3	8.0	8.0	7.0	7.0	5.7	7.0	8.3	7.2
SUNSHINE 2	6.7	6.0	7.7	6.0	7.0	6.7	6.3	7.7	8.7	8.0	8.0	8.0	7.0	6.3	7.0	7.0	7.7	7.2
CABO II (IS-PR 233)	7.0	6.0	7.0	7.0	7.3	6.0	6.7	7.0	9.0	8.0	8.7	7.7	6.7	6.7	5.3	7.0	8.0	7.1
ASP6004 (EXS54)	7.7	6.0	8.0	6.3	6.7	6.0	7.0	6.7	9.0	6.7	8.0	8.0	6.3	6.7	7.0	7.0	8.0	7.1
REGAL 5 (IS-PR 271)	6.7	5.3	7.3	7.7	7.3	5.7	6.7	7.3	8.7	7.7	8.0	7.7	8.0	6.3	6.0	7.0	7.7	7.1
FIJI (GPR)	7.3	6.3	7.7	6.7	7.0	5.7	7.0	7.0	8.7	6.3	8.3	8.0	7.0	6.0	6.7	7.0	8.0	7.1
ASP6003 (TRS)	6.0	5.7	8.3	7.0	6.7	5.3	7.0	7.0	9.0	6.7	8.0	8.3	7.7	6.5	6.7	7.0	7.7	7.1
CUTTER II (PM 101)	7.0	5.3	7.7	6.7	6.7	7.0	6.3	6.7	8.7	7.7	8.0	7.7	6.7	6.7	7.3	7.0	7.3	7.1
UNO (D04-11T)	7.0	6.0	7.7	7.7	7.0	6.0	6.0	7.0	8.7	6.7	8.3	7.7	6.7	7.0	7.0	7.0	7.0	7.1
ASP6005 (AJM)	7.0	5.7	8.7	6.7	7.0	5.7	6.3	6.0	8.7	7.7	8.0	7.7	7.3	6.3	6.3	7.0	8.0	7.1
FIESTA 4 (PICK F4)	6.7	6.3	8.0	6.7	7.0	6.7	7.3	6.7	9.0	5.0	7.7	8.0	7.3	6.3	6.3	7.0	7.7	7.0
MAJESTY II (VB77)	7.0	6.3	7.7	6.7	7.7	5.7	6.7	7.7	8.7	6.0	8.3	7.3	6.7	6.3	6.7	7.0	7.3	7.0
SOPRANO (DP1)	7.3	5.7	8.7	6.7	7.0	6.3	6.3	6.7	8.7	5.7	8.3	7.7	6.7	7.0	6.0	7.0	8.0	7.0
TR47	7.3	6.7	7.3	7.0	7.3	5.7	5.7	6.7	9.0	8.0	8.0	8.0	6.3	6.7	5.0	7.0	8.0	7.0
PALMER IV	6.3	6.0	7.3	6.7	7.0	6.0	7.3	7.3	8.7	7.0	8.3	7.7	7.0	6.0	6.3	7.0	7.3	7.0
WIND DANCE 2 (PWDR)	7.0	5.3	8.0	6.3	6.3	6.0	6.3	7.0	8.7	7.0	8.0	8.0	6.7	6.7	6.7	7.0	8.0	7.0
FIREBOLT (PRG HS-01-09)	6.7	5.3	7.0	6.7	7.0	6.0	6.7	7.3	8.3	7.3	7.7	7.7	7.7	6.3	6.3	7.0	7.7	7.0
ASP6001 (RTS)	6.7	6.0	6.3	7.3	7.0	6.0	6.7	7.0	9.0	7.0	8.3	7.7	6.3	6.0	6.7	7.0	7.7	7.0
PALACE (IS-PR 273)	6.3	5.7	8.0	6.7	6.7	6.0	7.0	7.3	9.0	6.7	8.0	8.3	7.0	5.3	5.7	7.0	7.7	7.0
ALLSTAR 3 (IS-PR 274)	6.7	6.0	8.0	6.7	7.0	5.7	7.3	7.7	8.3	6.3	8.3	7.3	6.3	6.5	5.3	7.0	7.3	6.9
APR 1648	7.3	6.0	8.0	7.0	6.7	5.0	7.7	7.3	8.7	5.3	8.0	8.0	6.0	6.0	6.0	7.0	7.7	6.9
LA QUINTA (JR-255)	6.3	6.0	7.3	6.7	7.0	5.7	6.7	6.3	8.3	8.0	8.3	7.3	6.0	6.7	6.3	7.0	7.7	6.9
EXACTA II GLSR (LTP-611-GLSR)	6.0	6.0	8.3	6.7	7.7	5.7	7.3	7.0	8.7	5.7	8.3	7.0	5.7	6.0	6.0	7.0	7.3	6.8
CALYPSO 3 (MS2)	7.0	6.3	7.7	7.0	6.7	5.7	7.0	6.7	8.3	6.7	8.0	7.7	6.0	5.0	5.7	7.0	7.7	6.8
MMW	6.3	6.0	7.7	6.3	6.7	6.3	6.7	6.7	8.3	5.7	7.3	7.7	6.7	6.3	7.0	7.0	7.3	6.8
ZOOM (LCK)	6.3	6.3	7.0	8.3	6.7	6.3	5.7	7.3	8.3	6.0	8.0	7.3	6.3	6.0	6.0	7.0	7.0	6.8
EDGE II (AC2)	7.3	6.0	6.0	7.0	7.0	6.0	6.3	7.0	8.3	6.7	8.0	7.3	7.0	6.0	5.7	7.0	7.0	6.8
DASHER 3 (PICK RB-1)	6.0	5.7	7.3	7.0	6.7	6.0	6.3	7.3	8.7	5.7	8.0	7.3	6.7	6.5	6.0	7.0	7.3	6.8
STELLAR GL (IS-PR 236)	6.3	5.7	7.7	6.7	6.7	6.3	7.3	7.7	8.0	6.0	8.3	7.7	6.3	4.7	5.3	7.0	7.7	6.8
AMAZING GS (IS-PR 276)	6.7	5.7	7.0	7.0	7.0	5.7	6.7	7.0	8.3	6.0	8.0	7.7	6.7	6.0	5.7	6.7	7.3	6.8
DERBY XTREME (IS-PR 268)	6.3	5.3	7.3	7.0	7.3	6.0	6.7	7.3	8.3	5.7	8.0	7.0	6.3	5.7	6.3	7.0	7.3	6.8
KOKOMO II (IS-PR 235)	6.3	5.7	8.0	6.7	7.0	5.7	5.7	6.7	9.0	6.7	8.0	7.7	5.7	6.3	5.0	7.0	8.0	6.8
REVENGE GLX (JR-348)	6.0	5.7	6.3	7.0	7.0	6.0	6.7	7.0	8.7	6.3	7.7	6.7	6.7	6.0	6.7	7.0	7.3	6.7
PALMER V (RNS)	7.0	6.0	7.0	6.7	6.7	6.3	7.0	7.0	8.0	6.0	8.0	7.0	5.7	5.7	6.7	7.0	6.7	6.7
PRESIDIO (CNV)	5.7	6.0	7.3	6.7	6.3	5.7	5.0	7.3	9.0	5.3	8.0	7.7	7.0	6.7	5.3	7.0	8.0	6.7
APPLE GL (AAZ-B104)	6.7	6.0	7.0	6.7	6.7	5.7	6.7	6.7	8.3	5.7	8.3	6.7	6.0	6.3	5.7	6.7	7.7	6.7

TABLE 11. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	IA1	IL1	IL2	IN1	MA1	MI1	MN1	MO1	NE1	NJ1	OR1	PA1	RI1	SD1	UT1	VA1	WA1	MEAN
ATTRIBUTE (IS-PR 270)	6.7	5.7	7.7	6.3	7.0	6.0	6.7	6.7	8.7	5.3	8.3	7.7	6.0	5.5	5.0	6.3	7.7	6.7
QUICKSILVER	6.3	5.7	6.7	6.7	6.7	5.3	6.0	6.7	7.0	8.0	7.3	8.0	6.3	6.3	5.3	7.0	7.7	6.6
DELAWARE XL (PICK 01-2)	6.3	5.3	7.3	6.7	7.0	5.0	6.3	7.0	8.7	7.3	8.0	5.7	5.7	5.7	5.7	7.0	8.0	6.6
PARAGON GLR	6.7	5.3	6.0	6.7	6.0	5.7	5.7	7.3	8.7	5.0	8.3	7.3	6.7	6.3	7.0	6.7	7.3	6.6
HEADSTART 2	6.7	6.3	7.3	6.3	6.3	5.7	5.0	7.0	8.3	7.0	7.7	7.7	6.0	5.0	6.0	7.0	7.0	6.6
PROTEGE GLR	6.3	6.3	7.3	6.7	7.0	5.3	5.7	6.7	8.0	5.7	7.7	7.3	7.0	6.0	4.7	7.0	7.7	6.6
HOMERUN (RG3P)	7.0	5.7	6.7	6.7	6.3	5.3	7.0	7.3	8.3	5.7	8.0	7.0	6.3	6.0	4.7	7.0	7.0	6.6
OVERDRIVE	6.7	5.7	6.7	6.7	6.7	6.0	5.3	7.3	8.0	4.7	8.0	7.0	6.0	6.7	6.0	6.7	7.3	6.5
PLEASURE SUPREME (PM 103)	6.0	5.3	6.0	7.0	7.0	6.3	6.0	6.7	9.0	6.0	7.7	7.0	5.7	5.7	5.3	7.0	7.7	6.5
MACH I	6.7	5.3	6.7	6.3	6.7	5.7	5.0	6.7	8.3	6.3	7.3	7.3	6.3	6.0	5.7	7.0	7.7	6.5
FOREVER (DP 17-9499)	6.0	6.0	6.7	6.3	6.3	4.7	5.3	7.0	8.7	5.3	7.7	7.7	6.3	6.3	6.3	7.0	7.3	6.5
FUSION	6.0	5.7	5.7	6.3	6.7	5.0	6.3	6.7	8.7	6.3	7.3	7.0	6.7	5.7	6.0	6.7	8.0	6.5
BUENA VISTA	6.0	6.0	6.0	7.0	6.7	5.7	5.3	7.3	8.3	5.0	8.0	7.0	6.0	6.0	5.3	7.0	7.7	6.5
PST-2AG4	6.3	5.7	7.7	6.7	6.3	6.0	6.0	6.3	8.0	4.3	8.3	7.0	6.0	6.3	5.3	6.7	7.3	6.5
PRIMARY (IS-PR 269)	6.0	5.7	6.0	6.7	6.3	6.0	6.3	7.0	8.3	5.3	7.7	6.7	5.7	6.0	6.7	6.7	7.0	6.5
BAR LP 4420	6.3	6.0	6.3	6.3	6.3	6.0	5.0	6.7	8.3	6.0	7.7	7.3	5.7	6.0	5.0	7.0	7.7	6.5
SR 4600 (SRX 4SP)	6.7	6.0	6.0	6.7	6.7	5.0	6.0	6.3	8.3	5.0	8.0	6.7	6.3	6.0	5.7	7.0	7.3	6.5
TOP GUN II (JR-324)	6.7	5.7	6.7	6.3	6.0	6.7	4.7	7.3	7.7	5.7	7.7	7.0	6.0	6.3	5.0	7.0	7.3	6.5
NOTABLE (AF)	6.7	6.0	6.3	6.7	6.3	5.7	6.3	6.7	8.0	5.0	8.0	7.0	5.7	6.3	4.7	7.0	7.0	6.4
1G SQUARED (APR 1664)	6.3	5.3	7.0	6.0	6.3	5.7	6.0	6.3	8.0	4.3	8.0	7.0	6.0	5.7	6.3	7.0	7.7	6.4
HARRIER (SRX 4UP3)	6.0	5.3	6.7	7.0	6.7	6.0	5.3	7.0	7.3	5.0	7.3	6.7	5.7	6.7	6.3	7.0	6.7	6.4
PALMER GLS (GL-2)	6.0	5.7	7.0	6.7	6.3	5.3	6.7	7.0	8.0	5.3	7.3	6.7	5.0	6.3	5.0	7.0	7.3	6.4
LINE DRIVE GLS (APR 1797)	6.0	6.3	5.7	7.0	5.7	6.0	6.3	6.3	8.3	4.3	7.7	6.3	5.0	6.3	6.7	7.0	7.3	6.4
SILVER DOLLAR	6.3	5.3	6.7	5.7	6.3	6.3	5.0	7.0	7.7	5.7	7.7	7.3	4.3	6.3	6.3	7.0	7.3	6.4
DEFENDER (D04-UP)	6.0	5.7	7.0	6.0	6.0	6.3	6.0	6.3	8.0	5.3	7.7	6.3	6.3	5.7	5.3	7.0	7.0	6.4
PINNACLE II	6.3	6.0	6.7	6.7	5.7	6.0	6.0	6.0	7.3	5.7	7.3	6.7	6.3	6.3	4.7	7.0	7.3	6.4
PROTOTYPE (DCM)	6.0	5.7	7.3	6.3	6.3	6.0	5.3	6.7	8.0	5.0	7.7	6.7	6.0	5.5	5.0	7.0	7.0	6.3
GRAY STAR (PST-2LGL)	6.7	6.0	6.0	6.3	6.0	5.7	5.3	6.7	7.7	5.0	8.0	6.3	5.3	6.3	5.3	6.7	8.0	6.3
KEYSTONE 2 (IS-PR 312)	6.7	6.3	5.3	7.0	5.7	6.7	5.0	6.7	7.7	5.0	7.3	6.3	5.3	6.0	5.3	6.7	7.7	6.3
PHENOM (APR 1660)	6.0	5.0	5.7	6.7	6.3	4.7	5.0	7.3	7.7	4.7	7.7	6.7	6.0	6.0	6.7	7.0	7.3	6.3
PACESETTER II (PS-2)	5.3	5.7	6.0	6.7	5.7	5.3	4.7	6.3	8.0	6.0	7.3	7.0	6.0	6.0	6.0	7.0	7.3	6.3
PIZZAZZ	6.0	5.7	6.3	6.3	5.7	5.0	5.7	6.0	7.7	5.0	7.3	7.0	6.0	6.3	6.0	7.0	7.3	6.3
GOALKEEPER II (JR-114)	7.0	5.3	6.7	6.3	6.3	6.0	5.3	6.3	7.0	4.7	7.3	6.7	5.3	6.5	4.7	7.0	7.7	6.2
GALATTI (DP 17-9502)	5.3	6.0	5.3	6.0	6.0	6.0	4.7	7.0	7.7	4.3	8.0	6.7	6.0	6.0	6.7	7.0	7.0	6.2
PANTHER GLS	5.7	5.7	6.7	6.3	6.3	6.0	5.0	7.0	8.0	4.7	8.0	6.3	5.3	6.3	4.7	7.0	6.7	6.2
MONTEREY 3 (JR-408)	8.3	4.7	6.7	6.3	6.3	5.7	4.5	7.3	7.3	3.7	7.3	6.0	5.7	6.5	5.3	7.0	6.7	6.2
GRAND SLAM 2 (PST-2GSM)	6.3	4.7	5.7	6.3	6.7	5.7	5.0	7.0	7.0	4.7	7.7	6.3	6.0	6.0	5.7	6.7	7.7	6.2
BREA (04-BRE)	6.3	5.0	5.3	6.7	6.0	5.7	5.3	6.3	8.0	5.0	7.3	7.3	5.7	5.0	5.7	7.0	7.0	6.2
BACCARAT (RAD-PR8)	7.0	5.3	6.0	6.3	6.0	5.0	4.7	7.0	7.3	4.3	7.7	6.3	5.7	6.3	5.0	7.0	7.0	6.1
REPELL GLS	6.3	5.7	6.3	6.3	6.3	5.7	5.3	6.3	7.7	4.3	7.3	6.0	5.7	5.3	6.0	7.0	6.3	6.1
GRAY FOX (PST-2MNG)	5.3	5.0	5.7	6.0	6.3	6.0	5.0	6.3	8.0	5.0	7.7	6.7	5.3	5.7	5.3	6.7	7.7	6.1
HAWKEYE 2 (SRX 4692)	5.7	5.7	6.0	7.0	5.7	5.7	5.0	6.3	7.7	4.0	7.3	7.0	4.7	6.0	5.7	7.0	7.3	6.1
DART (APR 1663)	6.0	5.7	5.3	6.3	5.7	6.0	5.7	6.0	7.7	4.3	7.0	6.3	5.3	6.3	5.3	7.0	7.7	6.1
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.3	5.3	5.3	5.7	6.0	5.7	5.3	6.3	8.0	4.3	7.7	6.7	5.3	6.3	4.7	7.0	7.3	6.1
ACCENT II (JR-119)	6.7	5.7	5.3	5.7	6.0	5.7	4.3	7.0	7.0	5.0	7.7	5.7	5.0	6.3	6.3	7.0	6.7	6.1
PST-217	6.0	6.0	6.3	5.7	6.0	5.3	5.0	6.7	7.3	4.7	7.7	6.3	5.7	5.5	5.0	7.0	6.7	6.0

TABLE 11. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	IA1	IL1	IL2	IN1	MA1	MI1	MN1	MO1	NE1	NJ1	OR1	PA1	RI1	SD1	UT1	VA1	WA1	MEAN
PST-2BLK	5.3	5.3	5.3	6.0	6.0	5.7	5.3	6.3	7.3	4.7	8.0	7.0	5.3	6.0	5.0	7.0	7.0	6.0
TRANSFORMER (D04-1667)	6.0	6.0	5.0	6.3	6.3	5.7	4.7	6.7	7.7	4.7	7.7	7.0	4.7	6.5	4.3	6.7	6.7	6.0
PIANIST (DP 17-9505)	6.0	5.3	4.3	6.7	5.7	5.3	4.0	6.3	8.0	5.0	7.7	6.3	6.3	7.0	4.7	7.0	6.7	6.0
D04-LP05	5.3	5.3	5.3	6.7	6.0	5.7	4.7	6.0	7.7	5.3	7.3	6.7	5.7	5.5	4.7	7.0	7.3	6.0
RINGER II (04-BEN)	6.3	5.0	5.0	6.7	6.0	6.3	4.7	6.3	7.7	3.7	7.3	6.7	5.3	5.7	5.7	7.0	6.7	6.0
E-99	5.7	4.7	6.0	6.0	6.3	6.0	5.0	6.7	7.3	5.0	8.0	6.3	4.7	5.3	5.3	6.7	6.7	6.0
BRIGHTSTAR SLT	6.3	5.3	5.3	6.3	5.3	6.0	4.7	6.0	7.7	5.0	7.7	5.3	5.3	6.7	4.7	7.0	7.0	6.0
SECRETARIAT II GLSR (LTP-101-GLSR)	6.3	5.0	5.0	6.3	5.7	5.0	5.0	6.3	7.3	4.0	7.7	6.3	6.0	6.0	5.3	7.0	7.3	6.0
BAR LP 4920	6.3	5.7	5.3	5.3	5.0	6.0	4.0	6.3	8.3	3.0	7.3	7.0	6.0	6.0	5.7	6.7	7.3	6.0
MANHATTAN 5 GLR (PST-2AM)	6.3	5.7	5.0	6.0	5.3	6.3	6.0	6.0	7.3	4.7	7.7	6.3	4.3	6.0	5.0	6.7	6.7	6.0
CADDIESHACK II (JR-163)	6.7	5.0	5.7	6.0	5.7	5.3	3.7	6.3	6.7	5.0	7.0	6.3	5.3	6.3	6.3	7.0	6.7	5.9
CITATION FORE	6.3	6.0	4.7	6.3	5.7	5.7	4.3	7.0	7.7	3.7	7.3	5.7	5.0	6.3	6.0	6.3	7.0	5.9
INSPIRE	5.3	5.3	5.7	6.3	5.7	5.3	3.7	6.0	7.0	4.3	7.3	7.0	4.7	6.0	6.7	7.0	6.3	5.9
PLATEAU (PST-2LAN)	7.0	5.7	5.7	6.3	5.3	6.0	4.7	6.3	7.0	3.0	7.7	5.7	4.7	5.7	6.0	6.7	6.0	5.8
LS 2300 (APR 1670)	6.3	5.3	5.0	6.0	5.3	5.0	4.7	6.3	7.3	4.7	6.7	6.0	5.0	7.0	5.0	6.0	7.0	5.8
BARLENNIUM	6.3	5.7	5.0	5.7	5.3	5.0	4.3	6.0	7.0	3.7	7.0	6.0	4.3	6.5	5.7	6.3	6.7	5.7
PENTIUM	5.3	4.7	5.7	6.0	5.3	5.0	2.7	6.7	7.0	3.7	7.3	6.0	5.0	6.3	4.7	6.7	6.7	5.6
BAR LP 4317	6.3	4.7	4.7	5.7	5.0	6.0	4.0	6.0	7.0	4.3	7.0	5.3	4.3	6.0	4.3	6.7	7.3	5.6
PREMIER II	5.3	5.7	4.3	6.3	5.3	5.3	4.0	6.0	7.3	3.3	7.0	5.3	4.0	6.0	5.7	6.7	6.7	5.5
PALMER III	6.0	4.7	4.0	5.3	5.7	5.3	4.0	6.3	7.7	3.7	7.0	6.0	5.0	5.0	4.0	7.0	6.7	5.5
DP 17-9788	5.7	5.7	3.7	6.0	5.3	5.7	4.3	6.0	7.7	2.3	7.0	5.3	4.7	5.0	4.3	7.0	6.3	5.4
SRX 4682	5.3	5.3	4.0	5.7	5.7	5.7	3.7	6.3	6.7	3.3	7.0	5.3	5.3	6.0	4.0	6.7	6.0	5.4
PANTHER	4.7	5.3	3.7	4.7	4.3	4.3	2.0	6.0	6.3	3.0	6.7	4.0	4.3	6.0	5.3	6.0	5.3	4.8
LPR 02203	4.3	4.7	3.0	4.7	4.7	5.0	2.7	5.3	6.3	4.0	6.7	3.3	3.3	6.0	4.7	5.3	5.3	4.7
AFFINITY	3.7	4.7	3.3	4.0	4.3	4.0	1.3	5.7	5.7	2.0	6.7	3.3	4.3	5.3	4.7	5.3	5.0	4.3
PREMIER	4.0	3.7	3.7	4.0	4.0	4.3	2.0	5.0	6.0	2.7	6.3	3.3	4.0	5.3	3.3	5.7	5.0	4.3
PINNACLE	3.7	4.0	2.7	4.0	3.3	4.0	1.3	5.3	5.3	2.3	6.3	3.3	3.7	5.0	4.3	5.0	4.7	4.0
LINN	1.3	3.7	1.0	2.7	3.0	3.0	1.0	5.7	4.0	1.0	6.0	4.3	2.7	5.0	3.0	5.0	3.0	3.3
LSD VALUE	1.3	1.1	1.1	0.9	0.8	1.8	1.6	0.9	0.9	1.4	1.0	1.2	1.1	1.3	2.4	0.5	1.0	0.3
C.V. (%)	12.8	11.7	11.0	9.0	7.8	19.7	18.3	8.4	6.9	16.4	7.7	10.8	12.0	13.0	26.2	4.8	8.3	12.3

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

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

TABLE 12.

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2008 DATA

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

NAME	IA1	IL1	IN1	MA1	MI1	NE1	RI1	UT1	WI1	MEAN
WIND DANCE 2 (PWDR)	7.3	5.7	6.0	5.7	6.3	7.3	4.7	5.0	5.3	5.9
PALMER V (RNS)	8.0	5.3	6.3	5.7	6.7	7.0	5.0	5.3	3.7	5.9
NEXUS XD (SP4)	7.3	5.7	6.0	5.0	6.3	6.3	5.0	5.0	6.0	5.9
CALYPSO 3 (MS2)	7.3	5.3	6.3	6.0	5.7	6.0	5.0	5.0	5.7	5.8
DP 17-9788	7.3	5.3	6.0	5.0	6.0	6.7	6.0	5.3	4.7	5.8
ES45	8.7	5.3	6.0	5.0	5.7	7.0	5.0	5.0	4.3	5.8
ASP6004 (EXS54)	8.0	5.3	6.0	6.0	6.0	6.7	4.7	4.3	5.0	5.8
SR 4600 (SRX 4SP)	7.3	6.0	6.0	5.3	6.0	7.0	5.0	6.0	3.3	5.8
PINNACLE	6.3	6.0	4.7	6.0	5.3	7.0	5.0	6.7	5.0	5.8
PIZZAZZ	7.3	5.7	6.7	3.7	6.7	6.7	6.0	5.3	3.7	5.7
ALLSTAR 3 (IS-PR 274)	7.7	6.3	6.7	5.3	5.0	7.0	5.0	5.0	3.3	5.7
EXACTA II GLSR (LTP-611-GLSR)	8.0	5.0	6.7	4.7	6.7	6.7	4.7	5.7	3.3	5.7
FOREVER (DP 17-9499)	7.0	5.3	6.0	4.0	6.3	6.3	8.0	5.3	3.0	5.7
PIANIST (DP 17-9505)	6.7	5.7	6.0	4.0	5.3	7.3	6.3	5.0	5.0	5.7
1G SQUARED (APR 1664)	7.3	5.0	7.0	5.3	6.3	6.7	5.0	5.7	3.0	5.7
PM 102	7.7	5.0	6.0	5.3	6.3	5.7	5.7	5.0	4.7	5.7
ASP6005 (AJM)	7.7	5.3	6.0	6.0	5.3	6.7	5.0	5.0	4.0	5.7
BAR LP 4920	7.3	6.3	6.3	4.7	4.7	6.0	6.7	5.7	3.3	5.7
GALATTI (DP 17-9502)	7.3	5.7	6.3	5.3	5.0	6.0	7.3	5.0	3.0	5.7
PALMER IV	8.0	4.3	6.3	5.0	6.0	7.3	5.0	5.3	3.7	5.7
SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	5.7	6.7	5.3	5.0	6.7	5.7	6.3	2.3	5.7
PANTHER	6.3	5.0	5.3	6.0	5.7	6.3	8.0	5.7	2.7	5.7
BREA (04-BRE)	7.3	4.7	5.7	6.0	5.0	5.7	5.0	5.0	6.3	5.6
DERBY XTREME (IS-PR 268)	7.7	5.3	6.7	4.7	4.7	6.7	6.0	5.7	3.3	5.6
MAJESTY II (VB77)	8.0	5.0	6.3	5.7	5.0	7.0	5.0	5.0	3.7	5.6
PANTHER GLS	8.0	4.7	6.0	5.0	7.0	6.7	5.0	5.0	3.3	5.6
BARLENNIUM	6.7	6.0	6.0	6.3	4.0	5.7	6.0	5.3	4.3	5.6
DART (APR 1663)	7.7	5.7	6.0	5.7	4.0	7.0	5.0	6.0	3.3	5.6
PARAGON GLR	7.7	5.0	6.3	5.7	5.7	5.7	5.0	6.0	3.3	5.6
SILVER DOLLAR	7.3	5.0	6.3	5.3	6.3	6.7	5.0	5.0	3.3	5.6
LPR 02203	6.7	4.3	4.7	6.7	5.7	6.3	5.3	5.3	5.0	5.6
REPELL GLS	7.0	5.3	6.7	5.7	6.0	5.3	5.0	5.0	4.0	5.6
CITATION FORE	7.0	5.3	6.3	5.0	6.3	6.0	4.7	4.7	4.7	5.6
DASHER 3 (PICK RB-1)	7.3	5.3	7.0	5.3	5.3	6.0	5.0	5.7	3.0	5.6
SOPRANO (DP1)	8.0	5.3	6.3	4.0	5.7	7.0	5.0	4.7	4.0	5.6
PLEASURE SUPREME (PM 103)	7.0	4.7	6.0	5.0	6.7	7.0	5.0	5.0	3.3	5.5
APPLE GL (AAZ-B104)	7.7	5.3	6.0	4.7	4.7	6.3	5.7	5.7	3.7	5.5
APR 1648	7.3	6.0	6.0	4.7	5.7	6.0	5.7	5.7	2.7	5.5
PROTEGE GLR	7.3	5.3	5.7	4.7	5.7	6.3	5.0	5.0	4.7	5.5
REVENGE GLX (JR-348)	7.3	5.3	6.7	5.0	6.0	6.3	5.7	5.0	2.3	5.5
AFFINITY	7.3	5.0	5.0	5.3	6.0	6.3	6.0	6.0	2.3	5.5
FIESTA 4 (PICK F4)	7.7	5.0	7.0	4.7	6.0	6.3	5.0	5.0	2.3	5.4
AMAZING GS (IS-PR 276)	7.7	5.7	6.0	5.3	5.0	5.7	4.7	5.7	3.3	5.4
ATTRIBUTE (IS-PR 270)	7.7	6.0	6.7	4.3	5.3	6.0	5.0	5.3	2.7	5.4
FIJI (GPR)	8.0	5.3	5.7	5.7	4.3	7.0	5.0	5.3	2.7	5.4

TABLE 12. (CONT'D)

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	IA1	IL1	IN1	MA1	MI1	NE1	RI1	UT1	WI1	MEAN
MACH I	7.0	4.0	6.7	5.0	5.3	5.7	5.3	5.0	5.0	5.4
PST-2AG4	7.3	5.0	6.0	5.0	5.0	6.7	5.3	5.0	3.7	5.4
MMW	8.0	4.3	6.0	5.3	5.3	7.3	5.7	4.7	2.3	5.4
PINNACLE II	7.3	5.0	6.0	5.0	5.0	6.0	5.7	4.7	4.3	5.4
GRAND SLAM 2 (PST-2GSM)	7.0	4.7	6.0	5.7	4.7	6.7	5.0	5.3	3.7	5.4
NOTABLE (AF)	8.0	4.3	6.0	4.7	6.7	6.7	4.7	5.3	2.3	5.4
RINGER II (04-BEN)	6.7	5.7	6.0	5.7	5.7	6.0	5.0	4.7	3.3	5.4
ASP6006 (LPFG)	7.7	4.7	6.3	4.3	4.3	6.7	4.7	5.3	4.7	5.4
LINE DRIVE GLS (APR 1797)	7.3	5.3	5.7	4.7	5.7	7.0	4.7	5.7	2.7	5.4
PALACE (IS-PR 273)	7.7	4.7	6.7	5.0	5.0	5.7	5.0	6.0	3.0	5.4
PENTIUM	7.0	5.3	5.7	5.0	5.3	6.3	5.0	5.7	3.3	5.4
ZOOM (LCK)	7.7	5.3	6.3	5.0	5.3	6.3	5.0	5.0	2.7	5.4
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.3	5.3	6.0	5.3	5.3	6.7	5.7	4.3	2.7	5.4
LS 2300 (APR 1670)	7.7	5.3	5.7	5.7	4.7	5.7	4.0	5.3	4.3	5.4
BACCARAT (RAD-PR8)	7.7	4.7	5.7	4.7	5.7	6.7	5.0	5.3	3.0	5.4
BUENA VISTA	8.0	4.7	6.3	5.0	5.0	6.0	4.7	5.3	3.3	5.4
HALO (KN42)	7.0	4.0	5.7	4.7	5.7	7.0	5.0	4.7	4.7	5.4
MANHATTAN 5 GLR (PST-2AM)	7.3	4.7	6.0	5.0	6.3	5.7	5.0	5.7	2.7	5.4
OVERDRIVE	7.0	4.0	6.3	5.0	5.7	6.7	5.0	5.7	3.0	5.4
BAR LP 4317	6.7	4.7	6.0	5.3	5.7	6.3	4.0	5.0	4.3	5.3
PREMIER II	6.7	5.7	5.0	4.3	5.7	6.3	5.3	6.0	3.0	5.3
PROTOTYPE (DCM)	8.0	4.3	6.0	4.0	5.7	6.0	5.0	5.3	3.7	5.3
REGAL 5 (IS-PR 271)	7.3	5.7	6.3	4.7	5.0	5.3	4.7	5.7	3.3	5.3
DEFENDER (D04-UP)	7.3	3.7	6.3	5.0	4.7	6.3	5.0	6.0	3.3	5.3
HARRIER (SRX 4UP3)	7.3	6.0	6.0	4.0	6.0	5.7	5.3	5.3	2.0	5.3
HOMERUN (RG3P)	7.7	4.7	6.0	5.3	4.7	6.0	4.3	5.3	3.7	5.3
PHENOM (APR 1660)	7.3	5.0	6.7	5.0	4.0	6.0	5.3	5.3	3.0	5.3
ASP6001 (RTS)	7.0	4.3	5.7	6.0	5.3	6.3	4.0	5.0	4.0	5.3
ASP6003 (TRS)	8.0	4.3	6.3	4.3	5.0	6.0	4.7	4.7	4.3	5.3
BRIGHTSTAR SLT	7.0	4.0	5.0	5.7	5.7	6.7	4.3	5.7	3.7	5.3
CABO II (IS-PR 233)	7.7	4.7	6.7	4.0	5.3	4.7	4.3	5.7	4.7	5.3
GRAY FOX (PST-2MNG)	7.0	5.7	6.7	5.3	3.7	6.7	4.7	5.3	2.7	5.3
NEXUS XR (SNR)	8.0	3.7	6.3	4.3	5.0	6.3	4.7	5.0	4.3	5.3
PREMIER	6.0	5.3	5.0	4.7	5.7	5.3	5.7	5.7	4.3	5.3
TRANSFORMER (D04-1667)	7.3	4.7	6.0	3.7	5.7	5.3	4.7	5.7	4.7	5.3
CUTTER II (PM 101)	7.7	4.7	6.0	6.0	5.0	5.3	5.3	5.0	2.3	5.3
ACCENT II (JR-119)	7.3	4.7	5.7	4.7	5.7	5.3	5.0	5.3	3.7	5.3
PLATEAU (PST-2LAN)	7.3	4.7	5.7	4.7	5.7	6.7	4.7	5.7	2.3	5.3
TR47	7.3	4.7	5.7	5.0	5.0	7.0	4.7	4.7	3.3	5.3
FIREBOLT (PRG HS-01-09)	7.3	3.7	6.3	5.0	6.0	5.3	5.3	4.7	3.7	5.3
HAWKEYE 2 (SRX 4692)	6.7	5.7	6.3	4.3	6.3	5.7	4.7	5.7	2.0	5.3
KOKOMO II (IS-PR 235)	7.7	5.7	6.7	5.0	5.7	4.7	4.0	5.0	2.7	5.2
UNO (D04-11T)	7.3	5.3	6.7	3.7	5.7	6.0	5.0	4.7	2.7	5.2
VB99	7.0	4.0	5.3	4.7	5.3	6.3	5.0	6.0	3.3	5.2
EDGE II (AC2)	7.7	5.3	6.0	4.7	5.0	5.7	5.7	4.3	2.3	5.2
PRESIDIO (CNV)	7.3	4.3	5.3	5.7	5.3	6.3	5.0	5.0	2.3	5.2

TABLE 12. (CONT'D)

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2008 DATA

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

NAME	IA1	IL1	IN1	MA1	MI1	NE1	RI1	UT1	WI1	MEAN
STELLAR GL (IS-PR 236)	7.7	5.0	6.3	3.7	6.0	5.3	4.3	5.0	3.3	5.2
HEADSTART 2	7.7	3.7	6.0	4.3	6.0	5.3	4.7	5.0	4.0	5.2
PALMER GLS (GL-2)	7.0	4.7	6.7	4.7	6.3	5.7	4.7	4.7	2.3	5.2
PALMER III	7.0	5.0	5.7	3.7	5.7	6.0	5.0	5.7	3.0	5.2
LA QUINTA (JR-255)	7.3	4.3	6.0	5.3	5.0	5.3	4.0	4.7	4.7	5.2
E-99	7.0	5.0	6.0	5.0	5.7	6.0	4.7	5.0	2.0	5.1
INSPIRE	6.7	5.3	5.3	5.3	5.0	6.3	5.0	5.0	2.3	5.1
GOALKEEPER II (JR-114)	7.7	4.7	5.7	4.3	5.3	6.0	3.3	4.7	4.7	5.1
SRX 4682	6.7	5.3	4.7	5.3	4.7	5.3	5.0	5.7	3.7	5.1
ASP6002 (BPR)	7.3	4.0	6.0	5.3	5.0	6.0	4.0	5.3	3.0	5.1
FUSION	7.0	4.3	6.3	4.7	5.3	5.7	4.7	4.7	3.3	5.1
PICK 02-R	7.7	3.7	5.0	5.7	5.3	5.3	5.0	4.7	3.7	5.1
PRIMARY (IS-PR 269)	6.7	5.3	6.3	4.3	5.3	6.0	5.0	5.0	2.0	5.1
TOP GUN II (JR-324)	7.0	4.3	5.7	5.0	4.7	6.3	4.7	5.0	3.3	5.1
MONTEREY 3 (JR-408)	7.7	4.0	5.0	4.3	6.0	5.0	5.0	5.3	3.3	5.1
KEYSTONE 2 (IS-PR 312)	7.3	4.7	6.0	4.0	5.7	6.3	4.7	4.3	2.7	5.1
WAYFARER (L44)	7.3	3.7	5.3	5.0	5.3	5.7	4.7	5.0	3.7	5.1
DELAWARE XL (PICK 01-2)	7.0	4.3	6.3	4.7	4.0	5.7	5.0	5.0	3.3	5.0
PACESETTER II (PS-2)	6.3	4.7	5.7	5.3	6.0	5.3	4.0	5.0	3.0	5.0
PST-217	7.3	3.7	5.0	5.7	4.7	6.0	4.0	4.7	4.3	5.0
BAR LP 4420	7.3	4.7	5.7	4.0	5.3	5.0	4.0	5.7	3.3	5.0
D04-LP05	7.0	3.7	5.3	4.3	6.3	5.7	4.0	5.3	3.3	5.0
CADDIESHACK II (JR-163)	6.3	3.7	5.7	5.3	5.3	5.7	3.7	5.7	3.3	5.0
QUICKSILVER	7.7	3.3	5.0	5.0	5.7	4.7	4.0	5.0	3.3	4.9
GRAY STAR (PST-2LGL)	7.3	4.0	4.7	4.3	5.3	5.7	3.7	5.3	2.7	4.8
SUNSHINE 2	7.3	3.7	5.3	5.3	3.3	5.0	4.0	5.3	2.7	4.7
PST-2BLK	8.0	3.0	4.3	4.3	4.7	6.0	3.7	4.3	3.3	4.6
LINN	5.3	2.3	5.3	3.0	5.3	3.7	1.7	6.3	5.3	4.3
LSD VALUE	1.0	1.5	1.0	1.6	1.9	1.5	1.1	1.5	2.1	0.5
C.V. (%)	8.8	18.9	10.4	20.3	21.9	15.6	13.2	17.8	38.1	17.6

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 13. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	IA1	MI1	NJ1	WA1	MEAN
PALMER V (RNS)	7.0	6.7	7.0	7.0	6.9
EXACTA II GLSR (LTP-611-GLSR)	6.7	6.7	6.7	7.0	6.8
ZOOM (LCK)	6.7	7.0	6.0	7.3	6.8
E-99	6.0	6.7	7.0	7.0	6.7
HOMERUN (RG3P)	6.0	6.0	7.7	7.0	6.7
PICK 02-R	6.3	6.7	6.7	7.0	6.7
NOTABLE (AF)	7.3	6.3	5.7	7.0	6.6
PALMER IV	6.3	6.7	6.3	7.0	6.6
PARAGON GLR	6.3	7.0	6.0	7.0	6.6
TRANSFORMER (D04-1667)	6.3	6.7	6.3	7.0	6.6
ACCENT II (JR-119)	6.0	6.3	6.7	7.0	6.5
ALLSTAR 3 (IS-PR 274)	6.7	6.0	6.3	7.0	6.5
ASP6004 (EXS54)	7.0	6.0	6.0	7.0	6.5
BACCARAT (RAD-PR8)	6.0	7.0	6.0	7.0	6.5
FIREBOLT (PRG HS-01-09)	6.7	7.0	5.3	7.0	6.5
KEYSTONE 2 (IS-PR 312)	6.7	5.7	6.7	7.0	6.5
PALMER GLS (GL-2)	6.3	6.7	6.0	7.0	6.5
PRIMARY (IS-PR 269)	6.7	6.0	6.3	7.0	6.5
PROTOTYPE (DCM)	6.3	6.3	6.3	7.0	6.5
REGAL 5 (IS-PR 271)	6.3	7.0	5.7	7.0	6.5
REVENGE GLX (JR-348)	6.7	6.3	6.0	7.0	6.5
RINGER II (04-BEN)	6.7	6.3	6.0	7.0	6.5
UNO (D04-11T)	6.3	6.0	6.7	7.0	6.5
AMAZING GS (IS-PR 276)	6.7	6.0	6.0	7.0	6.4
APR 1648	6.7	6.3	5.7	7.0	6.4
EDGE II (AC2)	6.3	6.7	5.7	7.0	6.4
FOREVER (DP 17-9499)	6.3	6.7	5.7	7.0	6.4
LINE DRIVE GLS (APR 1797)	5.7	6.7	6.3	7.0	6.4
MACH I	6.7	6.3	5.7	7.0	6.4
PACESETTER II (PS-2)	6.3	6.7	5.7	7.0	6.4
ATTRIBUTE (IS-PR 270)	6.7	5.7	6.0	7.0	6.3
FIESTA 4 (PICK F4)	6.0	6.7	5.7	7.0	6.3
MANHATTAN 5 GLR (PST-2AM)	6.7	6.7	5.0	7.0	6.3
SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	5.7	6.0	7.0	6.3
SUNSHINE 2	7.0	6.7	5.0	6.7	6.3
GOALKEEPER II (JR-114)	7.0	6.0	5.3	7.0	6.3
HARRIER (SRX 4UP3)	6.3	6.3	5.7	7.0	6.3
PALMER III	7.3	5.7	5.3	7.0	6.3
PANTHER GLS	5.7	6.3	6.3	7.0	6.3
STELLAR GL (IS-PR 236)	6.3	7.0	5.0	7.0	6.3
1G SQUARED (APR 1664)	5.7	6.0	6.3	7.0	6.3
APPLE GL (AAZ-B104)	6.3	6.3	5.3	7.0	6.3
ASP6001 (RTS)	6.3	6.3	5.3	7.0	6.3
ASP6003 (TRS)	6.0	6.7	5.3	7.0	6.3
ASP6006 (LPGF)	6.3	6.7	5.0	7.0	6.3

TABLE 13. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	IA1	MI1	NJ1	WA1	MEAN
BARLENNIUM	6.3	6.3	5.3	7.0	6.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.3	5.7	6.0	7.0	6.3
CUTTER II (PM 101)	6.0	6.7	5.3	7.0	6.3
DERBY XTREME (IS-PR 268)	6.0	5.7	6.3	7.0	6.3
HEADSTART 2	6.7	5.7	5.7	7.0	6.3
PENTIUM	6.3	6.0	5.7	7.0	6.3
PLEASURE SUPREME (PM 103)	5.7	6.3	6.0	7.0	6.3
PROTEGE GLR	5.7	6.3	6.0	7.0	6.3
SILVER DOLLAR	5.7	6.0	6.3	7.0	6.3
SR 4600 (SRX 4SP)	6.3	6.0	5.7	7.0	6.3
TOP GUN II (JR-324)	6.0	6.7	5.3	7.0	6.3
BAR LP 4920	7.0	6.0	4.7	7.0	6.2
BRIGHTSTAR SLT	6.7	5.7	5.3	7.0	6.2
DASHER 3 (PICK RB-1)	6.0	5.7	6.0	7.0	6.2
FUSION	5.7	6.0	6.0	7.0	6.2
MAJESTY II (VB77)	6.7	6.0	5.0	7.0	6.2
MMW	6.0	5.7	6.0	7.0	6.2
PST-2AG4	6.0	6.0	5.7	7.0	6.2
SOPRANO (DP1)	6.7	5.0	6.0	7.0	6.2
SRX 4682	5.7	6.3	5.7	7.0	6.2
PIZZAZZ	6.0	6.3	5.3	7.0	6.2
WAYFARER (L44)	6.0	6.3	5.3	7.0	6.2
CABO II (IS-PR 233)	6.0	6.7	4.7	7.0	6.1
DP 17-9788	6.7	6.0	4.7	7.0	6.1
PALACE (IS-PR 273)	5.7	6.0	5.7	7.0	6.1
VB99	6.0	6.7	4.7	7.0	6.1
BUENA VISTA	6.0	6.3	5.0	7.0	6.1
D04-LP05	6.3	6.0	5.0	7.0	6.1
DEFENDER (D04-UP)	5.7	6.3	5.3	7.0	6.1
GRAND SLAM 2 (PST-2GSM)	5.7	6.3	5.3	7.0	6.1
LS 2300 (APR 1670)	6.0	6.3	5.0	7.0	6.1
PM 102	5.3	7.0	5.0	7.0	6.1
PRESIDIO (CNV)	5.7	6.3	5.3	7.0	6.1
REPELL GLS	5.3	6.3	5.7	7.0	6.1
ASP6002 (BPR)	6.3	6.3	4.3	7.0	6.0
ASP6005 (AJM)	5.7	5.7	5.7	7.0	6.0
BAR LP 4317	6.3	6.7	4.3	6.7	6.0
BAR LP 4420	5.3	6.3	5.3	7.0	6.0
BREA (04-BRE)	6.0	6.0	5.0	7.0	6.0
FIJI (GPR)	5.7	6.7	4.7	7.0	6.0
GRAY FOX (PST-2MNG)	5.7	6.0	5.3	7.0	6.0
HALO (KN42)	5.7	6.7	4.7	7.0	6.0
INSPIRE	6.0	5.3	5.7	7.0	6.0
KOKOMO II (IS-PR 235)	6.0	6.0	5.0	7.0	6.0
NEXUS XD (SP4)	5.7	6.3	5.0	7.0	6.0
OVERDRIVE	6.0	6.0	5.0	7.0	6.0

TABLE 13. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	IA1	MI1	NJ1	WA1	MEAN
PIANIST (DP 17-9505)	5.7	5.3	6.0	7.0	6.0
PINNACLE II	7.0	5.3	4.7	7.0	6.0
PLATEAU (PST-2LAN)	6.0	6.3	4.7	7.0	6.0
PST-217	6.3	6.0	4.7	7.0	6.0
CADDIESHACK II (JR-163)	6.7	5.3	4.7	7.0	5.9
TR47	5.7	6.7	4.3	7.0	5.9
MONTEREY 3 (JR-408)	7.3	5.3	4.0	7.0	5.9
PANTHER	6.0	5.3	5.3	7.0	5.9
PST-2BLK	5.3	6.3	5.0	7.0	5.9
GRAY STAR (PST-2LGL)	5.7	6.0	4.7	7.0	5.8
LA QUINTA (JR-255)	5.7	5.7	5.0	7.0	5.8
QUICKSILVER	5.7	5.7	5.0	7.0	5.8
WIND DANCE 2 (PWDR)	5.7	5.7	5.0	7.0	5.8
CALYPSO 3 (MS2)	4.3	6.7	5.3	7.0	5.8
CITATION FORE	6.0	5.0	5.3	7.0	5.8
DART (APR 1663)	6.3	5.0	5.0	7.0	5.8
ES45	5.0	7.0	4.3	7.0	5.8
NEXUS XR (SNR)	6.0	6.3	4.0	7.0	5.8
PHENOM (APR 1660)	6.3	4.7	5.3	7.0	5.8
DELAWARE XL (PICK 01-2)	6.0	5.3	4.7	7.0	5.8
HAWKEYE 2 (SRX 4692)	5.0	6.0	5.0	7.0	5.8
GALATTI (DP 17-9502)	4.3	5.7	5.7	7.0	5.7
PREMIER II	5.3	5.3	4.7	7.0	5.6
LPR 02203	5.7	5.3	4.0	6.0	5.3
PINNACLE	5.3	5.0	4.3	6.3	5.3
PREMIER	4.7	4.7	4.3	7.0	5.2
AFFINITY	5.3	4.3	3.7	6.3	4.9
LINN	2.0	4.0	1.0	5.0	3.0
LSD VALUE	1.3	1.4	1.5	0.2	0.6
C.V. (%)	13.2	14.2	17.1	1.7	12.3

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

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

TABLE 14. WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 2/

NAME	NJ1	NAME	NJ1
KEYSTONE 2 (IS-PR 312)	8.0	PREMIER II	5.3
PRIMARY (IS-PR 269)	7.3	ATTRIBUTE (IS-PR 270)	5.0
PALACE (IS-PR 273)	7.0	BACCARAT (RAD-PR8)	5.0
ZOOM (LCK)	7.0	BAR LP 4317	5.0
1G SQUARED (APR 1664)	6.7	DASHER 3 (PICK RB-1)	5.0
ALLSTAR 3 (IS-PR 274)	6.7	ES45	5.0
FIESTA 4 (PICK F4)	6.7	MMW	5.0
HOMERUN (RG3P)	6.7	OVERDRIVE	5.0
KOKOMO II (IS-PR 235)	6.7	PACESETTER II (PS-2)	5.0
MANHATTAN 5 GLR (PST-2AM)	6.7	PENTIUM	5.0
AMAZING GS (IS-PR 276)	6.3	PHENOM (APR 1660)	5.0
GRAND SLAM 2 (PST-2GSM)	6.3	REVENGE GLX (JR-348)	5.0
INSPIRE	6.3	SECRETARIAT II GLSR (LTP-101-GLSR)	5.0
LINE DRIVE GLS (APR 1797)	6.3	SRX 4682	5.0
SR 4600 (SRX 4SP)	6.3	STELLAR GL (IS-PR 236)	5.0
UNO (D04-11T)	6.3	APR 1648	4.7
DART (APR 1663)	6.0	ASP6002 (BPR)	4.7
LS 2300 (APR 1670)	6.0	BARLENNIUM	4.7
PLEASURE SUPREME (PM 103)	6.0	BREA (04-BRE)	4.7
REGAL 5 (IS-PR 271)	6.0	GALATTI (DP 17-9502)	4.7
ACCENT II (JR-119)	5.7	MACH I	4.7
DERBY XTREME (IS-PR 268)	5.7	PIZZAZZ	4.7
EXACTA II GLSR (LTP-611-GLSR)	5.7	PLATEAU (PST-2LAN)	4.7
FUSION	5.7	PM 102	4.7
GRAY STAR (PST-2LGL)	5.7	PST-2AG4	4.7
HAWKEYE 2 (SRX 4692)	5.7	QUICKSILVER	4.7
NOTABLE (AF)	5.7	RINGER II (04-BEN)	4.7
PALMER GLS (GL-2)	5.7	WIND DANCE 2 (PWDR)	4.7
PALMER V (RNS)	5.7	ASP6003 (TRS)	4.3
PARAGON GLR	5.7	ASP6004 (EXS54)	4.3
PROTOTYPE (DCM)	5.7	ASP6006 (LPFG)	4.3
TRANSFORMER (D04-1667)	5.7	BAR LP 4420	4.3
AFFINITY	5.3	BRIGHTSTAR SLT	4.3
APPLE GL (AAZ-B104)	5.3	BUENA VISTA	4.3
BAR LP 4920	5.3	CADDIESHACK II (JR-163)	4.3
CALYPSO 3 (MS2)	5.3	DELAWARE XL (PICK 01-2)	4.3
CITATION FORE	5.3	PALMER III	4.3
CUTTER II (PM 101)	5.3	PINNACLE II	4.3
DEFENDER (D04-UP)	5.3	SOPRANO (DP1)	4.3
E-99	5.3	ASP6001 (RTS)	4.0
GRAY FOX (PST-2MNG)	5.3	CHARISMATIC II GLSR (LTP-PG-GLSR)	4.0
HARRIER (SRX 4UP3)	5.3	D04-LP05	4.0
PALMER IV	5.3	EDGE II (AC2)	4.0
PANTHER	5.3	HEADSTART 2	4.0
PREMIER	5.3	PANTHER GLS	4.0
		PICK 02-R	4.0

TABLE 14. WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 2/

NAME	NJ1
PINNACLE	4.0
PST-217	4.0
PST-2BLK	4.0
TOP GUN II (JR-324)	4.0
ASP6005 (AJM)	3.7
CABO II (IS-PR 233)	3.7
DP 17-9788	3.7
GOALKEEPER II (JR-114)	3.7
LA QUINTA (JR-255)	3.7
MAJESTY II (VB77)	3.7
NEXUS XD (SP4)	3.7
REPELL GLS	3.7
SILVER DOLLAR	3.7
SUNSHINE 2	3.7
FIJI (GPR)	3.3
FIREBOLT (PRG HS-01-09)	3.3
FOREVER (DP 17-9499)	3.3
LPR 02203	3.3
NEXUS XR (SNR)	3.3
PIANIST (DP 17-9505)	3.3
PRESIDIO (CNV)	3.3
HALO (KN42)	3.0
PROTEGE GLR	3.0
TR47	3.0
VB99	3.0
WAYFARER (L44)	3.0
MONTEREY 3 (JR-408)	2.3
LINN	1.3
LSD VALUE	2.6
C.V. (%)	33.8

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 15.

SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MI1	NE1	MEAN	NAME	MI1	NE1	MEAN
EXACTA II GLSR (LTP-611-GLSR)	7.0	9.0	8.0	APPLE GL (AAZ-B104)	6.0	9.0	7.5
FOREVER (DP 17-9499)	7.0	9.0	8.0	ASP6006 (LPFG)	6.0	9.0	7.5
PM 102	7.0	9.0	8.0	BACCARAT (RAD-PR8)	6.0	9.0	7.5
1G SQUARED (APR 1664)	6.7	9.0	7.8	BRIGHTSTAR SLT	6.0	9.0	7.5
DEFENDER (D04-UP)	6.7	9.0	7.8	BUENA VISTA	6.0	9.0	7.5
HARRIER (SRX 4UP3)	6.7	9.0	7.8	CABO II (IS-PR 233)	6.0	9.0	7.5
LINE DRIVE GLS (APR 1797)	6.7	9.0	7.8	CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	9.0	7.5
MMW	6.7	9.0	7.8	CITATION FORE	6.0	9.0	7.5
MONTEREY 3 (JR-408)	6.7	9.0	7.8	CUTTER II (PM 101)	6.0	9.0	7.5
PLEASURE SUPREME (PM 103)	6.7	9.0	7.8	DP 17-9788	6.0	9.0	7.5
PRIMARY (IS-PR 269)	6.7	9.0	7.8	E-99	6.0	9.0	7.5
PROTOTYPE (DCM)	6.7	9.0	7.8	GRAY STAR (PST-2LGL)	6.3	8.7	7.5
RINGER II (04-BEN)	6.7	9.0	7.8	HAWKEYE 2 (SRX 4692)	6.0	9.0	7.5
SILVER DOLLAR	6.7	9.0	7.8	HOMERUN (RG3P)	6.0	9.0	7.5
TOP GUN II (JR-324)	6.7	9.0	7.8	PACESETTER II (PS-2)	6.0	9.0	7.5
PALMER IV	7.0	8.7	7.8	PENTIUM	6.3	8.7	7.5
PALMER V (RNS)	7.0	8.7	7.8	PIANIST (DP 17-9505)	6.0	9.0	7.5
PROTEGE GLR	7.0	8.7	7.8	PICK 02-R	6.3	8.7	7.5
ASP6003 (TRS)	6.3	9.0	7.7	PST-2AG4	6.7	8.3	7.5
ATTRIBUTE (IS-PR 270)	6.3	9.0	7.7	PST-2BLK	6.0	9.0	7.5
CADDIESHACK II (JR-163)	6.3	9.0	7.7	REPELL GLS	6.0	9.0	7.5
CALYPSO 3 (MS2)	6.3	9.0	7.7	REVENGE GLX (JR-348)	6.0	9.0	7.5
DASHER 3 (PICK RB-1)	6.7	8.7	7.7	VB99	6.0	9.0	7.5
DERBY XTREME (IS-PR 268)	6.3	9.0	7.7	ASP6002 (BPR)	5.7	9.0	7.3
EDGE II (AC2)	6.3	9.0	7.7	ASP6005 (AJM)	5.7	9.0	7.3
ES45	6.3	9.0	7.7	DELAWARE XL (PICK 01-2)	5.7	9.0	7.3
FIREBOLT (PRG HS-01-09)	6.3	9.0	7.7	GRAND SLAM 2 (PST-2GSM)	5.7	9.0	7.3
FUSION	6.3	9.0	7.7	INSPIRE	5.7	9.0	7.3
GALATTI (DP 17-9502)	6.7	8.7	7.7	MANHATTAN 5 GLR (PST-2AM)	6.3	8.3	7.3
GRAY FOX (PST-2MNG)	6.3	9.0	7.7	PHENOM (APR 1660)	5.7	9.0	7.3
KOKOMO II (IS-PR 235)	6.3	9.0	7.7	PREMIER II	6.3	8.3	7.3
LS 2300 (APR 1670)	6.3	9.0	7.7	PRESIDIO (CNV)	5.7	9.0	7.3
MACH I	6.3	9.0	7.7	STELLAR GL (IS-PR 236)	6.3	8.3	7.3
NOTABLE (AF)	6.3	9.0	7.7	UNO (D04-11T)	6.7	8.0	7.3
OVERDRIVE	6.3	9.0	7.7	ASP6001 (RTS)	6.0	8.7	7.3
PARAGON GLR	6.3	9.0	7.7	BAR LP 4317	6.0	8.7	7.3
PIZZAZZ	6.3	9.0	7.7	FIESTA 4 (PICK F4)	6.0	8.7	7.3
REGAL 5 (IS-PR 271)	6.7	8.7	7.7	GOALKEEPER II (JR-114)	6.0	8.7	7.3
SOPRANO (DP1)	6.3	9.0	7.7	HALO (KN42)	6.0	8.7	7.3
SR 4600 (SRX 4SP)	6.3	9.0	7.7	KEYSTONE 2 (IS-PR 312)	6.0	8.7	7.3
TR47	6.3	9.0	7.7	PALMER III	6.0	8.7	7.3
ZOOM (LCK)	6.3	9.0	7.7	AFFINITY	6.0	8.3	7.2
ACCENT II (JR-119)	6.0	9.0	7.5	PANTHER GLS	6.0	8.3	7.2
ALLSTAR 3 (IS-PR 274)	6.0	9.0	7.5	PLATEAU (PST-2LAN)	6.0	8.3	7.2
AMAZING GS (IS-PR 276)	6.7	8.3	7.5	ASP6004 (EXS54)	6.3	8.0	7.2
				BAR LP 4420	5.3	9.0	7.2

TABLE 15. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	MI1	NE1	MEAN
BAR LP 4920	5.7	8.7	7.2
HEADSTART 2	5.7	8.7	7.2
LA QUINTA (JR-255)	5.7	8.7	7.2
MAJESTY II (VB77)	5.3	9.0	7.2
NEXUS XD (SP4)	5.7	8.7	7.2
PALACE (IS-PR 273)	5.7	8.7	7.2
PALMER GLS (GL-2)	5.7	8.7	7.2
PINNACLE	5.7	8.7	7.2
PINNACLE II	5.7	8.7	7.2
SECRETARIAT II GLSR (LTP-101-GLSR)	5.7	8.7	7.2
WAYFARER (L44)	5.7	8.7	7.2
APR 1648	5.0	9.0	7.0
BREA (04-BRE)	6.0	8.0	7.0
D04-LP05	5.7	8.3	7.0
FIJI (GPR)	5.0	9.0	7.0
LPR 02203	5.7	8.3	7.0
NEXUS XR (SNR)	5.3	8.7	7.0
PREMIER	5.7	8.3	7.0
PST-217	5.7	8.3	7.0
SRX 4682	5.3	8.7	7.0
SUNSHINE 2	5.0	9.0	7.0
TRANSFORMER (D04-1667)	5.3	8.7	7.0
WIND DANCE 2 (PWDR)	5.0	9.0	7.0
BARLENNIUM	4.7	9.0	6.8
QUICKSILVER	5.3	8.3	6.8
DART (APR 1663)	5.0	8.7	6.8
PANTHER	5.0	8.7	6.8
LINN	4.3	7.0	5.7
LSD VALUE	1.3	0.6	0.7
C.V. (%)	13.5	4.5	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 16.

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MI1	NE1	MEAN	NAME	MI1	NE1	MEAN
PANTHER GLS	7.7	9.0	8.3	AMAZING GS (IS-PR 276)	6.7	9.0	7.8
CADDIESHACK II (JR-163)	7.3	9.0	8.2	ASP6004 (EXS54)	6.7	9.0	7.8
FIESTA 4 (PICK F4)	7.3	9.0	8.2	BACCARAT (RAD-PR8)	6.7	9.0	7.8
GRAY STAR (PST-2LGL)	7.3	9.0	8.2	CITATION FORE	6.7	9.0	7.8
KEYSTONE 2 (IS-PR 312)	7.3	9.0	8.2	D04-LP05	6.7	9.0	7.8
MMW	7.3	9.0	8.2	E-99	7.3	8.3	7.8
PST-217	7.3	9.0	8.2	ES45	6.7	9.0	7.8
TRANSFORMER (D04-1667)	7.3	9.0	8.2	FOREVER (DP 17-9499)	6.7	9.0	7.8
1G SQUARED (APR 1664)	7.0	9.0	8.0	HEADSTART 2	6.7	9.0	7.8
APPLE GL (AAZ-B104)	7.0	9.0	8.0	MONTEREY 3 (JR-408)	6.7	9.0	7.8
APR 1648	7.0	9.0	8.0	NEXUS XD (SP4)	6.7	9.0	7.8
ASP6006 (LPFG)	7.0	9.0	8.0	PALMER III	6.7	9.0	7.8
ATTRIBUTE (IS-PR 270)	7.0	9.0	8.0	PALMER V (RNS)	7.3	8.3	7.8
BAR LP 4317	7.0	9.0	8.0	PENTIUM	6.7	9.0	7.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.0	9.0	8.0	PICK 02-R	6.7	9.0	7.8
DART (APR 1663)	7.0	9.0	8.0	PLATEAU (PST-2LAN)	7.3	8.3	7.8
DASHER 3 (PICK RB-1)	7.0	9.0	8.0	PST-2AG4	6.7	9.0	7.8
DEFENDER (D04-UP)	7.0	9.0	8.0	REVENGE GLX (JR-348)	6.7	9.0	7.8
DERBY XTREME (IS-PR 268)	7.0	9.0	8.0	SOPRANO (DP1)	6.7	9.0	7.8
DP 17-9788	7.0	9.0	8.0	SR 4600 (SRX 4SP)	6.7	9.0	7.8
EXACTA II GLSR (LTP-611-GLSR)	7.0	9.0	8.0	UNO (D04-11T)	6.7	9.0	7.8
FIJI (GPR)	7.0	9.0	8.0	ASP6001 (RTS)	7.0	8.7	7.8
FIREBOLT (PRG HS-01-09)	7.0	9.0	8.0	BAR LP 4920	7.0	8.7	7.8
GRAND SLAM 2 (PST-2GSM)	7.0	9.0	8.0	BREA (04-BRE)	7.0	8.7	7.8
GRAY FOX (PST-2MNG)	7.0	9.0	8.0	BRIGHTSTAR SLT	7.0	8.7	7.8
HALO (KN42)	7.3	8.7	8.0	CABO II (IS-PR 233)	7.0	8.7	7.8
KOKOMO II (IS-PR 235)	7.0	9.0	8.0	CUTTER II (PM 101)	7.0	8.7	7.8
LINE DRIVE GLS (APR 1797)	7.0	9.0	8.0	EDGE II (AC2)	7.0	8.7	7.8
NOTABLE (AF)	7.0	9.0	8.0	GALATTI (DP 17-9502)	7.0	8.7	7.8
OVERDRIVE	7.0	9.0	8.0	HARRIER (SRX 4UP3)	7.0	8.7	7.8
PALACE (IS-PR 273)	7.3	8.7	8.0	HAWKEYE 2 (SRX 4692)	7.0	8.7	7.8
PALMER IV	7.0	9.0	8.0	HOMERUN (RG3P)	7.0	8.7	7.8
PANTHER	7.0	9.0	8.0	PM 102	7.0	8.7	7.8
PIZZAZZ	7.0	9.0	8.0	PREMIER II	7.0	8.7	7.8
PLEASURE SUPREME (PM 103)	7.0	9.0	8.0	PRIMARY (IS-PR 269)	7.0	8.7	7.8
PRESIDIO (CNV)	7.0	9.0	8.0	STELLAR GL (IS-PR 236)	7.0	8.7	7.8
PROTOTYPE (DCM)	7.0	9.0	8.0	MANHATTAN 5 GLR (PST-2AM)	7.0	8.3	7.7
PST-2BLK	7.3	8.7	8.0	PALMER GLS (GL-2)	7.0	8.3	7.7
REGAL 5 (IS-PR 271)	7.0	9.0	8.0	PHENOM (APR 1660)	7.0	8.3	7.7
REPELL GLS	7.0	9.0	8.0	RINGER II (04-BEN)	7.0	8.3	7.7
SECRETARIAT II GLSR (LTP-101-GLSR)	7.0	9.0	8.0	ALLSTAR 3 (IS-PR 274)	6.3	9.0	7.7
TR47	7.0	9.0	8.0	ASP6002 (BPR)	6.7	8.7	7.7
VB99	7.0	9.0	8.0	ASP6005 (AJM)	6.3	9.0	7.7
WAYFARER (L44)	7.3	8.7	8.0	BARLENNIUM	6.7	8.7	7.7
WIND DANCE 2 (PWDR)	7.0	9.0	8.0	CALYPSO 3 (MS2)	6.3	9.0	7.7
ZOOM (LCK)	7.0	9.0	8.0	DELAWARE XL (PICK 01-2)	6.7	8.7	7.7

TABLE 16. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	MI1	NE1	MEAN
FUSION	6.7	8.7	7.7
GOALKEEPER II (JR-114)	6.3	9.0	7.7
INSPIRE	6.3	9.0	7.7
LA QUINTA (JR-255)	6.7	8.7	7.7
LS 2300 (APR 1670)	6.7	8.7	7.7
MAJESTY II (VB77)	6.3	9.0	7.7
NEXUS XR (SNR)	6.3	9.0	7.7
PACESETTER II (PS-2)	6.3	9.0	7.7
PARAGON GLR	6.7	8.7	7.7
PIANIST (DP 17-9505)	6.3	9.0	7.7
SILVER DOLLAR	6.7	8.7	7.7
SUNSHINE 2	6.3	9.0	7.7
TOP GUN II (JR-324)	6.7	8.7	7.7
ACCENT II (JR-119)	6.3	8.7	7.5
ASP6003 (TRS)	6.3	8.7	7.5
BUENA VISTA	6.7	8.3	7.5
LPR 02203	6.7	8.3	7.5
MACH I	6.3	8.7	7.5
PINNACLE	6.7	8.3	7.5
PINNACLE II	7.0	8.0	7.5
PREMIER	6.0	9.0	7.5
SRX 4682	6.7	8.3	7.5
PROTEGE GLR	6.7	8.0	7.3
QUICKSILVER	7.0	7.7	7.3
BAR LP 4420	7.0	7.3	7.2
AFFINITY	5.7	8.3	7.0
LINN	5.0	5.3	5.2
LSD VALUE	1.0	0.8	0.6
C.V. (%)	8.7	5.6	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 17.

FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MI1	NE1	NJ1	MEAN	NAME	MI1	NE1	NJ1	MEAN
E-99	7.0	9.0	7.3	7.8	1G SQUARED (APR 1664)	6.7	9.0	5.3	7.0
DASHER 3 (PICK RB-1)	6.7	9.0	7.0	7.6	APPLE GL (AAZ-B104)	6.3	9.0	5.7	7.0
PALMER V (RNS)	7.0	9.0	6.7	7.6	ASP6003 (TRS)	6.7	9.0	5.3	7.0
AMAZING GS (IS-PR 276)	7.3	9.0	6.3	7.6	ASP6004 (EXS54)	7.0	9.0	5.0	7.0
MMW	7.3	9.0	6.3	7.6	CABO II (IS-PR 233)	7.3	8.7	5.0	7.0
HARRIER (SRX 4UP3)	7.0	9.0	6.3	7.4	CUTTER II (PM 101)	7.0	9.0	5.0	7.0
PRIMARY (IS-PR 269)	7.0	8.7	6.7	7.4	FUSION	7.0	9.0	5.0	7.0
REVENGE GLX (JR-348)	7.7	8.7	6.0	7.4	HEADSTART 2	7.0	9.0	5.0	7.0
SILVER DOLLAR	7.0	9.0	6.3	7.4	MACH I	7.0	9.0	5.0	7.0
UNO (D04-11T)	6.7	8.7	7.0	7.4	NOTABLE (AF)	7.0	8.7	5.3	7.0
ALLSTAR 3 (IS-PR 274)	7.0	8.7	6.3	7.3	PARAGON GLR	7.0	8.7	5.3	7.0
BACCARAT (RAD-PR8)	6.7	9.0	6.3	7.3	PM 102	7.3	9.0	4.7	7.0
DERBY XTREME (IS-PR 268)	6.7	8.7	6.7	7.3	PREMIER	7.0	9.0	5.0	7.0
EXACTA II GLSR (LTP-611-GLSR)	7.0	9.0	6.0	7.3	PST-2BLK	6.7	9.0	5.3	7.0
HOMERUN (RG3P)	6.3	8.3	7.3	7.3	SECRETARIAT II GLSR (LTP-101-GLSR)	6.3	9.0	5.7	7.0
PALMER IV	7.0	9.0	6.0	7.3	TOP GUN II (JR-324)	7.0	9.0	5.0	7.0
PANTHER GLS	6.7	9.0	6.3	7.3	TR47	7.0	9.0	5.0	7.0
PICK 02-R	7.0	9.0	6.0	7.3	ACCENT II (JR-119)	6.7	9.0	5.0	6.9
SR 4600 (SRX 4SP)	6.7	9.0	6.3	7.3	ASP6006 (LPFG)	7.0	9.0	4.7	6.9
ZOOM (LCK)	6.7	9.0	6.3	7.3	BAR LP 4420	7.0	9.0	4.7	6.9
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.7	9.0	6.0	7.2	CALYPSO 3 (MS2)	6.7	9.0	5.0	6.9
GRAY FOX (PST-2MNG)	7.0	9.0	5.7	7.2	FIREBOLT (PRG HS-01-09)	7.0	9.0	4.7	6.9
PENTIUM	7.0	9.0	5.7	7.2	LS 2300 (APR 1670)	6.7	9.0	5.0	6.9
PLEASURE SUPREME (PM 103)	6.7	9.0	6.0	7.2	MANHATTAN 5 GLR (PST-2AM)	7.0	9.0	4.7	6.9
PROTEGE GLR	7.0	9.0	5.7	7.2	RINGER II (04-BEN)	7.0	9.0	4.7	6.9
SOPRANO (DP1)	6.7	9.0	6.0	7.2	VB99	7.0	9.0	4.7	6.9
STELLAR GL (IS-PR 236)	6.7	9.0	6.0	7.2	BARLENNIUM	6.3	9.0	5.3	6.9
ATTRIBUTE (IS-PR 270)	7.0	8.7	6.0	7.2	CADDIESHACK II (JR-163)	7.0	8.7	5.0	6.9
TRANSFORMER (D04-1667)	6.7	8.7	6.3	7.2	INSPIRE	6.3	9.0	5.3	6.9
DEFENDER (D04-UP)	6.7	9.0	5.7	7.1	PALACE (IS-PR 273)	6.7	8.7	5.3	6.9
GALATTI (DP 17-9502)	6.7	9.0	5.7	7.1	PHENOM (APR 1660)	7.0	8.7	5.0	6.9
LINE DRIVE GLS (APR 1797)	6.7	9.0	5.7	7.1	PALMER III	6.7	9.0	4.7	6.8
PIANIST (DP 17-9505)	6.7	9.0	5.7	7.1	PINNACLE	6.7	9.0	4.7	6.8
CITATION FORE	7.0	9.0	5.3	7.1	PIZZAZZ	7.0	8.3	5.0	6.8
FIESTA 4 (PICK F4)	6.7	8.7	6.0	7.1	SRX 4682	6.7	9.0	4.7	6.8
FOREVER (DP 17-9499)	7.0	9.0	5.3	7.1	ASP6001 (RTS)	6.7	8.7	5.0	6.8
GRAY STAR (PST-2LGL)	7.0	9.0	5.3	7.1	BREA (04-BRE)	7.0	9.0	4.3	6.8
KEYSTONE 2 (IS-PR 312)	6.7	8.7	6.0	7.1	D04-LP05	6.7	8.7	5.0	6.8
KOKOMO II (IS-PR 235)	7.0	9.0	5.3	7.1	EDGE II (AC2)	7.0	9.0	4.3	6.8
PACESETTER II (PS-2)	7.0	9.0	5.3	7.1	ES45	6.7	8.3	5.3	6.8
PALMER GLS (GL-2)	6.3	8.7	6.3	7.1	GRAND SLAM 2 (PST-2GSM)	6.0	8.7	5.7	6.8
PLATEAU (PST-2LAN)	7.0	9.0	5.3	7.1	PINNACLE II	7.0	8.7	4.7	6.8
PROTOTYPE (DCM)	7.0	9.0	5.3	7.1	PREMIER II	6.7	8.7	5.0	6.8
PST-2AG4	7.0	9.0	5.3	7.1	REPELL GLS	6.3	8.7	5.3	6.8
REGAL 5 (IS-PR 271)	7.0	9.0	5.3	7.1	APR 1648	5.7	9.0	5.3	6.7
					ASP6002 (BPR)	6.7	9.0	4.3	6.7

TABLE 17. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
NAME	MI1	NE1	NJ1	MEAN
BRIGHTSTAR SLT	6.3	9.0	4.7	6.7
BUENA VISTA	7.0	8.7	4.3	6.7
HALO (KN42)	7.0	9.0	4.0	6.7
MONTEREY 3 (JR-408)	7.0	9.0	4.0	6.7
PRESIDIO (CNV)	6.7	8.7	4.7	6.7
QUICKSILVER	6.7	8.7	4.7	6.7
WIND DANCE 2 (PWDR)	6.0	9.0	5.0	6.7
AFFINITY	7.0	9.0	3.7	6.6
BAR LP 4317	7.0	9.0	3.7	6.6
BAR LP 4920	7.0	9.0	3.7	6.6
DELAWARE XL (PICK 01-2)	6.0	9.0	4.7	6.6
PANTHER	6.0	9.0	4.7	6.6
ASP6005 (AJM)	6.3	9.0	4.3	6.6
DART (APR 1663)	5.7	8.7	5.3	6.6
DP 17-9788	6.7	8.7	4.3	6.6
GOALKEEPER II (JR-114)	6.3	9.0	4.3	6.6
NEXUS XD (SP4)	6.3	9.0	4.3	6.6
OVERDRIVE	6.7	8.7	4.3	6.6
LPR 02203	6.7	9.0	3.7	6.4
FIJI (GPR)	6.0	8.7	4.7	6.4
HAWKEYE 2 (SRX 4692)	6.7	8.3	4.3	6.4
MAJESTY II (VB77)	6.3	9.0	4.0	6.4
NEXUS XR (SNR)	6.0	9.0	4.3	6.4
PST-217	6.3	9.0	4.0	6.4
SUNSHINE 2	5.7	8.7	4.7	6.3
LA QUINTA (JR-255)	5.7	8.7	4.3	6.2
WAYFARER (L44)	6.0	9.0	3.3	6.1
LINN	7.0	8.0	1.0	5.3
LSD VALUE	1.0	0.6	1.8	0.7
C.V. (%)	9.6	4.1	21.6	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.

TABLE 18.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	SD1	MEAN	NAME	MI1	SD1	MEAN
KEYSTONE 2 (IS-PR 312)	73.3	91.7	82.5	NEXUS XD (SP4)	60.0	86.7	73.3
PALMER V (RNS)	73.3	90.0	81.7	REGAL 5 (IS-PR 271)	60.0	86.7	73.3
PALMER IV	73.3	88.3	80.8	SR 4600 (SRX 4SP)	66.7	80.0	73.3
AFFINITY	66.7	93.3	80.0	MAJESTY II (VB77)	56.7	90.0	73.3
DEFENDER (D04-UP)	71.7	88.3	80.0	SECRETARIAT II GLSR (LTP-101-GLSR)	56.7	90.0	73.3
STELLAR GL (IS-PR 236)	71.7	88.3	80.0	BRIGHTSTAR SLT	66.7	78.3	72.5
APPLE GL (AAZ-B104)	66.7	91.7	79.2	CABO II (IS-PR 233)	56.7	88.3	72.5
PRIMARY (IS-PR 269)	66.7	91.7	79.2	DART (APR 1663)	53.3	91.7	72.5
PARAGON GLR	70.0	88.3	79.2	KOKOMO II (IS-PR 235)	56.7	88.3	72.5
SILVER DOLLAR	70.0	88.3	79.2	PST-217	60.0	85.0	72.5
DERBY XTREME (IS-PR 268)	70.0	86.7	78.3	DELAWARE XL (PICK 01-2)	56.7	86.7	71.7
LINE DRIVE GLS (APR 1797)	66.7	90.0	78.3	MACH I	56.7	86.7	71.7
PANTHER GLS	66.7	90.0	78.3	TRANSFORMER (D04-1667)	66.7	76.7	71.7
PENTIUM	66.7	90.0	78.3	WAYFARER (L44)	56.7	86.7	71.7
PREMIER II	66.7	90.0	78.3	ASP6004 (EXS54)	60.0	83.3	71.7
AMAZING GS (IS-PR 276)	73.3	83.3	78.3	CUTTER II (PM 101)	60.0	83.3	71.7
BACCARAT (RAD-PR8)	66.7	88.3	77.5	E-99	60.0	83.3	71.7
EXACTA II GLSR (LTP-611-GLSR)	66.7	88.3	77.5	PACESETTER II (PS-2)	60.0	83.3	71.7
FIESTA 4 (PICK F4)	66.7	88.3	77.5	TR47	60.0	83.3	71.7
INSPIRE	70.0	85.0	77.5	ASP6006 (LPFG)	60.0	80.0	70.0
PALMER GLS (GL-2)	70.0	85.0	77.5	PINNACLE II	60.0	80.0	70.0
QUICKSILVER	66.7	88.3	77.5	PRESIDIO (CNV)	63.3	76.7	70.0
PROTOTYPE (DCM)	60.0	94.3	77.2	SRX 4682	63.3	76.7	70.0
APR 1648	60.0	94.0	77.0	LS 2300 (APR 1670)	63.3	75.7	69.5
CITATION FORE	66.7	86.7	76.7	BAR LP 4420	56.7	81.7	69.2
MMW	61.7	91.7	76.7	BAR LP 4920	63.3	75.0	69.2
PREMIER	63.3	90.0	76.7	GALATTI (DP 17-9502)	56.7	81.7	69.2
BUENA VISTA	60.0	93.3	76.7	LA QUINTA (JR-255)	61.7	76.7	69.2
BAR LP 4317	70.0	82.7	76.3	SUNSHINE 2	53.3	85.0	69.2
UNO (D04-11T)	70.0	81.7	75.8	NOTABLE (AF)	60.0	76.7	68.3
OVERDRIVE	63.3	88.3	75.8	RINGER II (04-BEN)	60.0	76.7	68.3
1G SQUARED (APR 1664)	56.7	93.3	75.0	SOPRANO (DP1)	60.0	76.7	68.3
ACCENT II (JR-119)	60.0	90.0	75.0	BARLENNIUM	56.7	80.0	68.3
EDGE II (AC2)	63.3	86.7	75.0	HEADSTART 2	63.3	73.3	68.3
FOREVER (DP 17-9499)	60.0	90.0	75.0	HOMERUN (RG3P)	56.7	80.0	68.3
REPELL GLS	63.3	86.7	75.0	PLATEAU (PST-2LAN)	56.7	80.0	68.3
ZOOM (LCK)	53.3	96.3	74.8	CALYPSO 3 (MS2)	60.0	75.0	67.5
HARRIER (SRX 4UP3)	63.3	86.0	74.7	HALO (KN42)	51.7	83.3	67.5
CADDIESHACK II (JR-163)	56.7	91.7	74.2	PHENOM (APR 1660)	56.7	78.3	67.5
GRAY STAR (PST-2LGL)	66.7	81.7	74.2	PM 102	63.3	71.7	67.5
PALMER III	66.7	81.7	74.2	TOP GUN II (JR-324)	63.3	71.7	67.5
PLEASURE SUPREME (PM 103)	63.3	85.0	74.2	ALLSTAR 3 (IS-PR 274)	63.3	70.0	66.7
FUSION	60.0	88.3	74.2	ASP6005 (AJM)	53.3	80.0	66.7
PINNACLE	60.0	88.3	74.2	MANHATTAN 5 GLR (PST-2AM)	71.7	61.7	66.7
VB99	56.7	91.3	74.0	PICK 02-R	60.0	72.7	66.3
HAWKEYE 2 (SRX 4692)	66.7	80.0	73.3	CHARISMATIC II GLSR (LTP-PG-GLSR)	60.0	71.7	65.8

TABLE 18. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	SD1	MEAN
PALACE (IS-PR 273)	53.3	78.3	65.8
ES45	63.3	66.7	65.0
FIREBOLT (PRG HS-01-09)	53.3	76.7	65.0
ASP6001 (RTS)	60.0	68.3	64.2
PIZZAZZ	66.7	60.0	63.3
D04-LP05	70.0	56.7	63.3
FIJI (GPR)	53.3	71.7	62.5
PROTEGE GLR	63.3	60.0	61.7
WIND DANCE 2 (PWDR)	53.3	70.0	61.7
DASHER 3 (PICK RB-1)	63.3	58.3	60.8
PANTHER	58.3	63.3	60.8
ATTRIBUTE (IS-PR 270)	60.0	61.7	60.8
ASP6003 (TRS)	56.7	63.3	60.0
BREA (04-BRE)	60.0	60.0	60.0
GRAND SLAM 2 (PST-2GSM)	53.3	66.7	60.0
GRAY FOX (PST-2MNG)	60.0	60.0	60.0
MONTEREY 3 (JR-408)	63.3	55.0	59.2
REVENGE GLX (JR-348)	60.0	58.3	59.2
DP 17-9788	56.7	60.0	58.3
GOALKEEPER II (JR-114)	60.0	55.0	57.5
NEXUS XR (SNR)	56.7	58.3	57.5
PST-2BLK	63.3	51.7	57.5
LPR 02203	56.7	55.0	55.8
ASP6002 (BPR)	53.3	55.0	54.2
LINN	43.3	61.7	52.5
PST-2AG4	46.7	58.3	52.5
PIANIST (DP 17-9505)	56.7	31.7	44.2
LSD VALUE	18.3	32.1	18.5
C.V. (%)	18.5	25.3	23.1

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

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

TABLE 19.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	KY1	MI1	MEAN	NAME	KY1	MI1	MEAN
APPLE GL (AAZ-B104)	95.0	95.0	95.0	PALMER III	76.7	91.7	84.2
GRAND SLAM 2 (PST-2GSM)	90.0	95.0	92.5	ASP6004 (EXS54)	75.0	93.3	84.2
PANTHER GLS	93.3	91.7	92.5	CALYPSO 3 (MS2)	75.0	93.3	84.2
SR 4600 (SRX 4SP)	92.7	91.7	92.2	EXACTA II GLSR (LTP-611-GLSR)	85.0	83.3	84.2
PLATEAU (PST-2LAN)	87.3	95.0	91.2	UNO (D04-11T)	78.3	90.0	84.2
NOTABLE (AF)	91.7	90.0	90.8	ZOOM (LCK)	75.7	91.7	83.7
LS 2300 (APR 1670)	89.7	91.7	90.7	PST-2BLK	80.0	86.7	83.3
CITATION FORE	88.0	93.3	90.7	BREA (04-BRE)	68.3	95.0	81.7
HARRIER (SRX 4UP3)	90.7	90.0	90.3	DART (APR 1663)	75.0	88.3	81.7
HOMERUN (RG3P)	89.0	91.7	90.3	EDGE II (AC2)	72.3	90.0	81.2
SOPRANO (DP1)	87.0	93.3	90.2	BUENA VISTA	68.3	93.3	80.8
ATTRIBUTE (IS-PR 270)	86.7	93.3	90.0	STELLAR GL (IS-PR 236)	69.0	91.7	80.3
FIESTA 4 (PICK F4)	88.3	91.7	90.0	DEFENDER (D04-UP)	65.0	95.0	80.0
PALMER V (RNS)	88.3	91.7	90.0	PLEASURE SUPREME (PM 103)	70.0	90.0	80.0
SILVER DOLLAR	90.0	90.0	90.0	PROTEGE GLR	71.7	88.3	80.0
PROTOTYPE (DCM)	86.3	93.3	89.8	CADDIESHACK II (JR-163)	70.7	88.3	79.5
LINE DRIVE GLS (APR 1797)	90.7	88.3	89.5	NEXUS XR (SNR)	71.7	86.7	79.2
1G SQUARED (APR 1664)	86.7	91.7	89.2	APR 1648	73.3	85.0	79.2
HAWKEYE 2 (SRX 4692)	85.0	93.3	89.2	PST-217	70.0	88.3	79.2
KEYSTONE 2 (IS-PR 312)	86.3	91.7	89.0	REGAL 5 (IS-PR 271)	68.3	90.0	79.2
OVERDRIVE	86.3	91.7	89.0	SRX 4682	78.3	80.0	79.2
DERBY XTREME (IS-PR 268)	85.7	91.7	88.7	PINNACLE II	70.7	86.7	78.7
GRAY FOX (PST-2MNG)	85.7	91.7	88.7	AFFINITY	68.3	86.7	77.5
PHENOM (APR 1660)	85.7	91.7	88.7	BAR LP 4420	65.0	90.0	77.5
SECRETARIAT II GLSR (LTP-101-GLSR)	93.3	83.3	88.3	FIJI (GPR)	65.0	90.0	77.5
TRANSFORMER (D04-1667)	91.3	85.0	88.2	MACH I	66.7	88.3	77.5
MANHATTAN 5 GLR (PST-2AM)	85.7	90.0	87.8	LA QUINTA (JR-255)	61.7	91.7	76.7
PALMER IV	80.7	95.0	87.8	PENTIUM	71.7	80.0	75.8
PRIMARY (IS-PR 269)	87.3	88.3	87.8	PIANIST (DP 17-9505)	75.0	76.7	75.8
ALLSTAR 3 (IS-PR 274)	85.0	90.0	87.5	TOP GUN II (JR-324)	58.3	93.3	75.8
PALMER GLS (GL-2)	83.3	91.7	87.5	FUSION	63.3	86.7	75.0
MMW	82.3	91.7	87.0	WIND DANCE 2 (PWDR)	60.0	90.0	75.0
PARAGON GLR	87.3	86.7	87.0	INSPIRE	55.7	93.3	74.5
BACCARAT (RAD-PR8)	83.3	90.0	86.7	FOREVER (DP 17-9499)	61.7	86.7	74.2
BAR LP 4317	85.0	88.3	86.7	VB99	61.7	86.7	74.2
AMAZING GS (IS-PR 276)	90.7	81.7	86.2	GALATTI (DP 17-9502)	60.0	88.3	74.2
CHARISMATIC II GLSR (LTP-PG-GLSR)	87.3	85.0	86.2	PRESIDIO (CNV)	57.3	90.0	73.7
KOKOMO II (IS-PR 235)	80.0	91.7	85.8	DELAWARE XL (PICK 01-2)	55.0	91.7	73.3
DASHER 3 (PICK RB-1)	78.3	93.3	85.8	ASP6005 (AJM)	58.3	86.7	72.5
ACCENT II (JR-119)	75.7	95.0	85.3	BARLENNIUM	53.3	91.7	72.5
PALACE (IS-PR 273)	77.3	93.3	85.3	SUNSHINE 2	56.7	88.3	72.5
CUTTER II (PM 101)	78.3	91.7	85.0	CABO II (IS-PR 233)	56.7	86.7	71.7
PST-2AG4	76.7	93.3	85.0	E-99	48.3	95.0	71.7
REPELL GLS	85.7	83.3	84.5	GRAY STAR (PST-2LGL)	53.3	90.0	71.7
REVENGE GLX (JR-348)	77.3	91.7	84.5	TR47	53.3	90.0	71.7
MAJESTY II (VB77)	76.7	91.7	84.2	MONTEREY 3 (JR-408)	50.0	93.3	71.7

TABLE 19. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	KY1	MI1	MEAN
ASP6003 (TRS)	60.0	81.7	70.8
DP 17-9788	60.7	80.0	70.3
PREMIER II	51.7	86.7	69.2
ES45	60.0	78.3	69.2
HEADSTART 2	45.0	91.7	68.3
WAYFARER (L44)	43.3	93.3	68.3
ASP6001 (RTS)	53.3	81.7	67.5
ASP6006 (LPFG)	45.0	90.0	67.5
GOALKEEPER II (JR-114)	43.3	90.0	66.7
RINGER II (04-BEN)	35.7	93.3	64.5
BRIGHTSTAR SLT	38.3	90.0	64.2
PREMIER	40.0	88.3	64.2
PANTHER	35.7	91.7	63.7
D04-LP05	39.0	85.0	62.0
ASP6002 (BPR)	31.7	91.7	61.7
PIZZAZZ	31.7	91.7	61.7
PINNACLE	36.0	86.7	61.3
NEXUS XD (SP4)	31.7	90.0	60.8
PACESETTER II (PS-2)	29.7	90.0	59.8
PM 102	35.7	83.3	59.5
FIREBOLT (PRG HS-01-09)	38.3	80.0	59.2
QUICKSILVER	28.3	90.0	59.2
PICK 02-R	14.3	86.7	50.5
HALO (KN42)	20.7	80.0	50.3
BAR LP 4920	22.3	76.7	49.5
LPR 02203	6.3	83.3	44.8
LINN	4.0	76.7	40.3
LSD VALUE	24.4	16.1	14.6
C.V. (%)	22.6	11.2	16.4

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

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

TABLE 20. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	KY1	MI1	SD1	MEAN
DERBY XTREME (IS-PR 268)	98.3	75.0	90.0	87.8
PALMER IV	96.0	73.3	91.7	87.0
APPLE GL (AAZ-B104)	96.7	70.0	94.0	86.9
STELLAR GL (IS-PR 236)	93.7	73.3	93.3	86.8
KEYSTONE 2 (IS-PR 312)	93.7	71.7	93.3	86.2
LINE DRIVE GLS (APR 1797)	90.7	73.3	93.3	85.8
PRIMARY (IS-PR 269)	93.3	71.7	91.7	85.6
AMAZING GS (IS-PR 276)	94.0	76.7	85.0	85.2
CITATION FORE	95.7	70.0	90.0	85.2
PALMER V (RNS)	97.3	66.7	91.3	85.1
OVERDRIVE	93.3	70.0	91.7	85.0
EXACTA II GLSR (LTP-611-GLSR)	94.3	66.7	93.7	84.9
SILVER DOLLAR	94.3	73.3	87.0	84.9
PANTHER GLS	94.7	66.7	93.0	84.8
UNO (D04-11T)	94.0	70.0	88.7	84.2
KOKOMO II (IS-PR 235)	95.0	63.3	93.3	83.9
VB99	87.3	66.7	97.7	83.9
REPELL GLS	87.3	73.3	90.0	83.6
BUENA VISTA	87.3	66.7	96.3	83.4
PARAGON GLR	90.3	70.0	90.0	83.4
PENTIUM	89.0	70.0	91.3	83.4
SECRETARIAT II GLSR (LTP-101-GLSR)	94.3	63.3	92.0	83.2
ZOOM (LCK)	93.0	60.0	96.3	83.1
BAR LP 4317	92.7	63.3	91.7	82.6
PROTOTYPE (DCM)	93.0	60.0	94.7	82.6
HAWKEYE 2 (SRX 4692)	89.0	70.0	88.3	82.4
ALLSTAR 3 (IS-PR 274)	95.3	68.3	83.3	82.3
PALMER GLS (GL-2)	96.3	66.7	84.0	82.3
SR 4600 (SRX 4SP)	86.3	70.0	90.0	82.1
1G SQUARED (APR 1664)	91.7	60.0	94.0	81.9
DEFENDER (D04-UP)	84.0	73.3	88.3	81.9
EDGE II (AC2)	84.0	73.3	88.3	81.9
GRAY STAR (PST-2LGL)	88.7	70.0	86.7	81.8
PLEASURE SUPREME (PM 103)	89.7	66.7	89.0	81.8
LS 2300 (APR 1670)	95.0	73.3	76.3	81.6
HARRIER (SRX 4UP3)	86.0	66.7	90.0	80.9
ACCENT II (JR-119)	82.7	70.0	89.0	80.6
MAJESTY II (VB77)	85.0	63.3	93.3	80.6
MMW	87.7	60.0	94.0	80.6
FIESTA 4 (PICK F4)	89.3	70.0	81.7	80.3
MANHATTAN 5 GLR (PST-2AM)	91.0	73.3	76.7	80.3
PINNACLE II	86.0	66.7	88.3	80.3
DP 17-9788	89.7	70.0	80.0	79.9
PLATEAU (PST-2LAN)	89.3	63.3	85.0	79.2
HOMERUN (RG3P)	94.0	63.3	80.0	79.1
PREMIER	73.3	70.0	94.0	79.1

TABLE 20.
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	KY1	MI1	SD1	MEAN
AFFINITY	71.7	73.3	91.3	78.8
BACCARAT (RAD-PR8)	80.7	63.3	92.3	78.8
REVENGE GLX (JR-348)	96.0	70.0	70.0	78.7
DART (APR 1663)	81.7	60.0	94.0	78.6
FUSION	83.3	60.0	92.3	78.6
NOTABLE (AF)	95.3	60.0	80.0	78.4
ASP6004 (EXS54)	76.3	66.7	91.7	78.2
REGAL 5 (IS-PR 271)	87.7	60.0	86.7	78.1
CHARISMATIC II GLSR (LTP-PG-GLSR)	94.0	63.3	76.7	78.0
FOREVER (DP 17-9499)	77.3	66.7	89.3	77.8
CUTTER II (PM 101)	79.0	66.7	87.3	77.7
MACH I	75.7	66.7	90.7	77.7
PST-217	81.3	63.3	88.3	77.7
DASHER 3 (PICK RB-1)	95.3	66.7	70.7	77.6
BAR LP 4420	78.3	63.3	90.7	77.4
GRAY FOX (PST-2MNG)	96.7	66.7	68.3	77.2
PHENOM (APR 1660)	86.7	63.3	81.7	77.2
GRAND SLAM 2 (PST-2GSM)	94.3	63.3	74.0	77.2
INSPIRE	68.3	73.3	89.7	77.1
PREMIER II	58.3	76.7	96.3	77.1
TR47	77.3	66.7	85.0	76.3
HEADSTART 2	71.7	73.3	83.3	76.1
TRANSFORMER (D04-1667)	95.3	66.7	66.3	76.1
PALMER III	80.0	63.3	84.7	76.0
PINNACLE	60.0	76.7	90.0	75.6
PRESIDIO (CNV)	76.7	66.7	83.3	75.6
PALACE (IS-PR 273)	84.7	53.3	87.3	75.1
PST-2AG4	91.7	53.3	80.0	75.0
CADDIESHACK II (JR-163)	74.0	60.0	90.7	74.9
PST-2BLK	92.3	70.0	60.0	74.1
CABO II (IS-PR 233)	73.3	56.7	91.7	73.9
CALYPSO 3 (MS2)	76.7	60.0	85.0	73.9
DELAWARE XL (PICK 01-2)	65.0	66.7	90.0	73.9
E-99	78.3	56.7	86.7	73.9
ASP6006 (LPFG)	68.3	63.3	90.0	73.9
ES45	74.0	70.0	76.7	73.6
GALATTI (DP 17-9502)	68.3	63.3	89.0	73.6
APR 1648	56.0	70.0	93.7	73.2
LA QUINTA (JR-255)	72.3	66.7	80.7	73.2
PROTEGE GLR	91.3	70.0	58.3	73.2
SOPRANO (DP1)	92.7	61.7	65.0	73.1
NEXUS XD (SP4)	66.7	66.7	84.0	72.4
ASP6005 (AJM)	73.3	53.3	88.3	71.7
ATTRIBUTE (IS-PR 270)	94.0	63.3	56.7	71.3
ASP6001 (RTS)	68.3	60.0	85.0	71.1
TOP GUN II (JR-324)	78.3	63.3	71.7	71.1

TABLE 20. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	KY1	MI1	SD1	MEAN
WAYFARER (L44)	55.0	66.7	90.0	70.6
WIND DANCE 2 (PWDR)	75.0	63.3	73.3	70.6
BRIGHTSTAR SLT	68.3	60.0	83.3	70.6
RINGER II (04-BEN)	65.7	66.7	79.0	70.4
QUICKSILVER	51.7	66.7	92.3	70.2
SRX 4682	60.0	66.7	83.3	70.0
FIJI (GPR)	77.3	56.7	75.7	69.9
BREA (04-BRE)	80.7	66.7	61.7	69.7
NEXUS XR (SNR)	76.7	66.7	61.7	68.3
HALO (KN42)	46.7	70.0	87.3	68.0
SUNSHINE 2	54.0	63.3	86.3	67.9
DO4-LP05	69.0	73.3	60.7	67.7
ASP6003 (TRS)	72.3	60.0	68.3	66.9
PIANIST (DP 17-9505)	71.7	70.0	56.7	66.1
PIZZAZZ	51.7	70.0	73.3	65.0
BARLENNIUM	49.0	60.0	83.3	64.1
PM 102	44.0	70.0	78.3	64.1
FIREBOLT (PRG HS-01-09)	53.3	63.3	74.0	63.6
MONTEREY 3 (JR-408)	66.7	66.7	56.7	63.3
GOALKEEPER II (JR-114)	53.3	66.7	65.7	61.9
BAR LP 4920	32.3	66.7	84.0	61.0
PACESETTER II (PS-2)	25.7	66.7	89.7	60.7
ASP6002 (BPR)	55.7	60.0	63.3	59.7
PICK 02-R	32.3	70.0	74.7	59.0
PANTHER	30.0	60.0	78.3	56.1
LPR 02203	7.7	63.3	53.3	41.4
LINN	6.7	60.0	21.7	29.4
LSD VALUE	24.0	16.5	29.9	13.9
C.V. (%)	19.2	15.5	22.4	19.8

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

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

TABLE 21. PERCENT WINTER KILL RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/

NAME	IA1	NAME	IA1
LINN	67.0	1G SQUARED (APR 1664)	44.7
PICK 02-R	63.0	ACCENT II (JR-119)	44.7
FIESTA 4 (PICK F4)	59.7	AFFINITY	44.7
PALMER GLS (GL-2)	59.7	BUENA VISTA	44.7
BAR LP 4420	59.3	FUSION	44.7
BARLENNIUM	56.0	HALO (KN42)	44.7
CADDIESHACK II (JR-163)	56.0	KEYSTONE 2 (IS-PR 312)	44.7
DART (APR 1663)	56.0	LA QUINTA (JR-255)	44.7
OVERDRIVE	56.0	LPR 02203	44.7
PANTHER	56.0	NEXUS XD (SP4)	44.7
PIANIST (DP 17-9505)	56.0	PALMER IV	44.7
PINNACLE	56.0	PHENOM (APR 1660)	44.7
PREMIER	56.0	PM 102	44.7
CITATION FORE	55.7	PREMIER II	44.7
DASHER 3 (PICK RB-1)	55.7	PROTEGE GLR	44.7
ASP6005 (AJM)	52.3	REGAL 5 (IS-PR 271)	44.7
FIREBOLT (PRG HS-01-09)	52.3	SRX 4682	44.7
GALATTI (DP 17-9502)	52.3	TR47	44.7
HAWKEYE 2 (SRX 4692)	52.3	WIND DANCE 2 (PWDR)	44.7
PRIMARY (IS-PR 269)	52.3	ZOOM (LCK)	44.7
DELAWARE XL (PICK 01-2)	52.0	ASP6001 (RTS)	41.0
HOMERUN (RG3P)	52.0	ASP6004 (EXS54)	41.0
KOKOMO II (IS-PR 235)	52.0	BRIGHTSTAR SLT	41.0
PACESETTER II (PS-2)	52.0	CUTTER II (PM 101)	41.0
SECRETARIAT II GLSR (LTP-101-GLSR)	52.0	GRAY STAR (PST-2LGL)	41.0
SUNSHINE 2	52.0	HEADSTART 2	41.0
VB99	52.0	LINE DRIVE GLS (APR 1797)	41.0
CALYPSO 3 (MS2)	48.7	MMW	41.0
D04-LP05	48.7	PALMER V (RNS)	41.0
EDGE II (AC2)	48.7	PIZZAZZ	41.0
FOREVER (DP 17-9499)	48.7	PLATEAU (PST-2LAN)	41.0
GRAY FOX (PST-2MNG)	48.7	PROTOTYPE (DCM)	41.0
INSPIRE	48.7	RINGER II (04-BEN)	41.0
PALMER III	48.7	SR 4600 (SRX 4SP)	41.0
QUICKSILVER	48.7	TOP GUN II (JR-324)	41.0
WAYFARER (L44)	48.7	APPLE GL (AAZ-B104)	40.7
AMAZING GS (IS-PR 276)	48.3	ASP6003 (TRS)	40.7
ASP6002 (BPR)	48.3	ASP6006 (LPFG)	40.7
BACCARAT (RAD-PR8)	48.3	ATTRIBUTE (IS-PR 270)	40.7
BAR LP 4317	48.3	BREA (04-BRE)	40.7
HARRIER (SRX 4UP3)	48.3	MONTEREY 3 (JR-408)	40.7
PLEASURE SUPREME (PM 103)	48.3	PARAGON GLR	40.7
STELLAR GL (IS-PR 236)	48.3	PST-217	40.7
TRANSFORMER (D04-1667)	48.3	APR 1648	37.3
E-99	45.0	ALLSTAR 3 (IS-PR 274)	37.0
UNO (D04-11T)	45.0	CABO II (IS-PR 233)	37.0

TABLE 21. PERCENT WINTER KILL RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/

NAME	IA1
EXACTA II GLSR (LTP-611-GLSR)	37.0
GOALKEEPER II (JR-114)	37.0
GRAND SLAM 2 (PST-2GSM)	37.0
MANHATTAN 5 GLR (PST-2AM)	37.0
NEXUS XR (SNR)	37.0
PANTHER GLS	37.0
PENTIUM	37.0
PINNACLE II	37.0
REPELL GLS	37.0
REVENGE GLX (JR-348)	37.0
SILVER DOLLAR	37.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	33.3
DEFENDER (D04-UP)	33.3
DERBY XTREME (IS-PR 268)	33.3
FIJI (GPR)	33.3
PALACE (IS-PR 273)	33.3
PST-2BLK	33.3
BAR LP 4920	33.0
ES45	33.0
MACH I	33.0
MAJESTY II (VB77)	29.7
PRESIDIO (CNV)	29.7
DP 17-9788	29.3
LS 2300 (APR 1670)	29.3
SOPRANO (DP1)	29.3
NOTABLE (AF)	25.7
PST-2AG4	25.7
LSD VALUE	21.1
C.V. (%)	29.7

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

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

TABLE 22. TYPHULA BLIGHT RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MA1	NAME	MA1
PARAGON GLR	6.0	PINNACLE	4.7
ASP6001 (RTS)	5.7	PINNACLE II	4.7
BREA (04-BRE)	5.7	PM 102	4.7
CALYPSO 3 (MS2)	5.7	PRIMARY (IS-PR 269)	4.7
MMW	5.7	REGAL 5 (IS-PR 271)	4.7
CUTTER II (PM 101)	5.3	REPELL GLS	4.7
E-99	5.3	SUNSHINE 2	4.7
GRAY FOX (PST-2MNG)	5.3	ACCENT II (JR-119)	4.3
PACESETTER II (PS-2)	5.3	AFFINITY	4.3
PANTHER	5.3	AMAZING GS (IS-PR 276)	4.3
PRESIDIO (CNV)	5.3	APPLE GL (AAZ-B104)	4.3
RINGER II (04-BEN)	5.3	BAR LP 4317	4.3
TOP GUN II (JR-324)	5.3	CADDIESHACK II (JR-163)	4.3
ALLSTAR 3 (IS-PR 274)	5.0	CHARISMATIC II GLSR (LTP-PG-GLSR)	4.3
BAR LP 4920	5.0	FIJI (GPR)	4.3
BARLENNIUM	5.0	FUSION	4.3
BRIGHTSTAR SLT	5.0	GALATTI (DP 17-9502)	4.3
DART (APR 1663)	5.0	LA QUINTA (JR-255)	4.3
DASHER 3 (PICK RB-1)	5.0	MACH I	4.3
DEFENDER (D04-UP)	5.0	NEXUS XD (SP4)	4.3
EXACTA II GLSR (LTP-611-GLSR)	5.0	NOTABLE (AF)	4.3
FIESTA 4 (PICK F4)	5.0	PALACE (IS-PR 273)	4.3
GRAND SLAM 2 (PST-2GSM)	5.0	PIANIST (DP 17-9505)	4.3
HOMERUN (RG3P)	5.0	PICK 02-R	4.3
OVERDRIVE	5.0	PREMIER	4.3
PALMER V (RNS)	5.0	PROTEGE GLR	4.3
PST-217	5.0	REVENGE GLX (JR-348)	4.3
SECRETARIAT II GLSR (LTP-101-GLSR)	5.0	SRX 4682	4.3
SILVER DOLLAR	5.0	VB99	4.3
SR 4600 (SRX 4SP)	5.0	APR 1648	4.0
1G SQUARED (APR 1664)	4.7	ASP6003 (TRS)	4.0
ASP6002 (BPR)	4.7	ATTRIBUTE (IS-PR 270)	4.0
ASP6004 (EXS54)	4.7	BACCARAT (RAD-PR8)	4.0
ASP6005 (AJM)	4.7	CITATION FORE	4.0
BUENA VISTA	4.7	EDGE II (AC2)	4.0
CABO II (IS-PR 233)	4.7	ES45	4.0
FIREBOLT (PRG HS-01-09)	4.7	FOREVER (DP 17-9499)	4.0
KOKOMO II (IS-PR 235)	4.7	PLEASURE SUPREME (PM 103)	4.0
LS 2300 (APR 1670)	4.7	PST-2AG4	4.0
MAJESTY II (VB77)	4.7	QUICKSILVER	4.0
MANHATTAN 5 GLR (PST-2AM)	4.7	SOPRANO (DP1)	4.0
PALMER IV	4.7	WAYFARER (L44)	4.0
PANTHER GLS	4.7	WIND DANCE 2 (PWDR)	4.0
PENTIUM	4.7	ZOOM (LCK)	4.0
PHENOM (APR 1660)	4.7	ASP6006 (LPFG)	3.7
		D04-LP05	3.7

TABLE 22. TYPHULA BLIGHT RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	MA1
DERBY XTREME (IS-PR 268)	3.7
DP 17-9788	3.7
HAWKEYE 2 (SRX 4692)	3.7
HEADSTART 2	3.7
INSPIRE	3.7
LINE DRIVE GLS (APR 1797)	3.7
LPR 02203	3.7
MONTEREY 3 (JR-408)	3.7
NEXUS XR (SNR)	3.7
PALMER GLS (GL-2)	3.7
PLATEAU (PST-2LAN)	3.7
PST-2BLK	3.7
STELLAR GL (IS-PR 236)	3.7
TR47	3.7
DELAWARE XL (PICK 01-2)	3.3
GRAY STAR (PST-2LGL)	3.3
HALO (KN42)	3.3
HARRIER (SRX 4UP3)	3.3
KEYSTONE 2 (IS-PR 312)	3.3
PREMIER II	3.3
PROTOTYPE (DCM)	3.3
TRANSFORMER (D04-1667)	3.3
UNO (D04-11T)	3.3
BAR LP 4420	3.0
GOALKEEPER II (JR-114)	3.0
PIZZAZZ	3.0
PALMER III	2.7
LINN	2.3
LSD VALUE	1.8
C.V. (%)	25.4

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 23.

RED THREAD RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	NJ1	VA1	MEAN	NAME	NJ1	VA1	MEAN
LINN	8.7	9.0	8.8	PST-217	7.3	7.0	7.2
PINNACLE	8.3	8.3	8.3	ASP6001 (RTS)	6.3	7.7	7.0
PANTHER	8.3	8.0	8.2	BAR LP 4920	7.0	7.0	7.0
KEYSTONE 2 (IS-PR 312)	7.7	8.3	8.0	BARLENNIUM	7.0	7.0	7.0
BRIGHTSTAR SLT	7.3	8.3	7.8	BREA (04-BRE)	6.0	8.0	7.0
FOREVER (DP 17-9499)	8.0	7.7	7.8	CABO II (IS-PR 233)	7.0	7.0	7.0
GRAY STAR (PST-2LGL)	7.7	8.0	7.8	CHARISMATIC II GLSR (LTP-PG-GLSR)	6.3	7.7	7.0
LPR 02203	7.7	8.0	7.8	CITATION FORE	7.3	6.7	7.0
NOTABLE (AF)	8.0	7.7	7.8	DERBY XTREME (IS-PR 268)	7.7	6.3	7.0
PALMER V (RNS)	8.0	7.7	7.8	FIJI (GPR)	7.3	6.7	7.0
PROTOTYPE (DCM)	9.0	6.7	7.8	HARRIER (SRX 4UP3)	7.0	7.0	7.0
ZOOM (LCK)	7.7	8.0	7.8	HEADSTART 2	5.7	8.3	7.0
DO4-LP05	7.0	8.7	7.8	OVERDRIVE	6.7	7.3	7.0
FUSION	7.0	8.7	7.8	PIANIST (DP 17-9505)	6.3	7.7	7.0
AMAZING GS (IS-PR 276)	7.7	7.7	7.7	SR 4600 (SRX 4SP)	7.3	6.7	7.0
CALYPSO 3 (MS2)	7.0	8.3	7.7	TRANSFORMER (D04-1667)	7.3	6.7	7.0
HAWKEYE 2 (SRX 4692)	7.7	7.7	7.7	AFFINITY	6.7	7.0	6.8
HOMERUN (RG3P)	8.3	7.0	7.7	BUENA VISTA	6.7	7.0	6.8
PALACE (IS-PR 273)	8.3	7.0	7.7	DEFENDER (D04-UP)	8.0	5.7	6.8
PINNACLE II	7.0	8.3	7.7	GRAND SLAM 2 (PST-2GSM)	7.7	6.0	6.8
ASP6004 (EXS54)	8.0	7.3	7.7	NEXUS XR (SNR)	6.0	7.7	6.8
E-99	8.0	7.3	7.7	PHENOM (APR 1660)	6.0	7.7	6.8
NEXUS XD (SP4)	7.3	8.0	7.7	INSPIRE	7.3	6.3	6.8
GALATTI (DP 17-9502)	7.7	7.3	7.5	ACCENT II (JR-119)	7.7	5.7	6.7
KOKOMO II (IS-PR 235)	8.0	7.0	7.5	BAR LP 4420	6.7	6.7	6.7
PALMER GLS (GL-2)	7.3	7.7	7.5	GOALKEEPER II (JR-114)	6.7	6.7	6.7
PREMIER	7.3	7.7	7.5	HALO (KN42)	5.0	8.3	6.7
SILVER DOLLAR	7.0	8.0	7.5	MACH I	5.7	7.7	6.7
WIND DANCE 2 (PWDR)	7.3	7.7	7.5	PST-2AG4	6.7	6.7	6.7
APR 1648	6.3	8.3	7.3	ASP6003 (TRS)	7.3	6.0	6.7
ASP6002 (BPR)	6.7	8.0	7.3	ATTRIBUTE (IS-PR 270)	7.0	6.3	6.7
CUTTER II (PM 101)	6.3	8.3	7.3	FIREBOLT (PRG HS-01-09)	6.0	7.3	6.7
PENTIUM	7.0	7.7	7.3	MMW	5.3	8.0	6.7
PLEASURE SUPREME (PM 103)	8.3	6.3	7.3	PACESETTER II (PS-2)	7.0	6.3	6.7
REGAL 5 (IS-PR 271)	6.3	8.3	7.3	PANTHER GLS	7.0	6.3	6.7
BACCARAT (RAD-PR8)	7.3	7.3	7.3	PARAGON GLR	8.0	5.3	6.7
DP 17-9788	7.3	7.3	7.3	REPELL GLS	6.0	7.3	6.7
PICK 02-R	7.3	7.3	7.3	RINGER II (04-BEN)	7.3	6.0	6.7
PST-2BLK	7.3	7.3	7.3	ALLSTAR 3 (IS-PR 274)	7.3	5.7	6.5
EXACTA II GLSR (LTP-611-GLSR)	6.7	7.7	7.2	DELAWARE XL (PICK 01-2)	7.0	6.0	6.5
ASP6006 (LPFG)	6.3	8.0	7.2	GRAY FOX (PST-2MNG)	7.0	6.0	6.5
BAR LP 4317	6.3	8.0	7.2	LS 2300 (APR 1670)	6.7	6.3	6.5
DART (APR 1663)	6.3	8.0	7.2	PALMER III	6.0	7.0	6.5
PLATEAU (PST-2LAN)	6.3	8.0	7.2	PM 102	6.7	6.3	6.5
PRIMARY (IS-PR 269)	7.3	7.0	7.2	PREMIER II	6.0	7.0	6.5
				PRESIDIO (CNV)	6.0	7.0	6.5

TABLE 23. RED THREAD RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	NJ1	VA1	MEAN
QUICKSILVER	5.7	7.3	6.5
UNO (D04-11T)	7.0	6.0	6.5
1G SQUARED (APR 1664)	6.0	6.7	6.3
FIESTA 4 (PICK F4)	6.0	6.7	6.3
PALMER IV	6.7	6.0	6.3
MANHATTAN 5 GLR (PST-2AM)	7.3	5.3	6.3
REVENGE GLX (JR-348)	6.3	6.3	6.3
DASHER 3 (PICK RB-1)	6.3	6.0	6.2
LA QUINTA (JR-255)	5.0	7.3	6.2
PROTEGE GLR	6.0	6.3	6.2
SRX 4682	5.3	7.0	6.2
SUNSHINE 2	5.0	7.3	6.2
TOP GUN II (JR-324)	5.3	7.0	6.2
TR47	7.0	5.3	6.2
WAYFARER (L44)	6.0	6.3	6.2
APPLE GL (AAZ-B104)	6.3	5.7	6.0
PIZZAZZ	6.7	5.3	6.0
SECRETARIAT II GLSR (LTP-101-GLSR)	7.0	5.0	6.0
STELLAR GL (IS-PR 236)	7.0	5.0	6.0
CADDIESHACK II (JR-163)	5.7	6.0	5.8
MAJESTY II (VB77)	6.0	5.7	5.8
EDGE II (AC2)	6.3	5.3	5.8
ES45	6.3	5.3	5.8
SOPRANO (DP1)	5.7	5.7	5.7
ASP6005 (AJM)	5.0	6.3	5.7
MONTEREY 3 (JR-408)	5.0	6.3	5.7
VB99	5.3	6.0	5.7
LINE DRIVE GLS (APR 1797)	6.7	3.7	5.2
LSD VALUE	3.3	2.6	2.1
C.V. (%)	29.7	23.4	26.7

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

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

TABLE 24.

BROWN PATCH (WARM TEMPERATURE) RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MA1	MO1	MEAN	NAME	MA1	MO1	MEAN
PANTHER GLS	7.7	7.3	7.5	FUSION	7.7	5.3	6.5
CUTTER II (PM 101)	7.7	7.0	7.3	GALATTI (DP 17-9502)	6.7	6.3	6.5
FIJI (GPR)	7.7	7.0	7.3	GRAY FOX (PST-2MNG)	7.0	6.0	6.5
HOMERUN (RG3P)	7.7	7.0	7.3	NOTABLE (AF)	6.3	6.7	6.5
ZOOM (LCK)	7.3	7.3	7.3	PENTIUM	7.0	6.0	6.5
CADDIESHACK II (JR-163)	7.7	6.7	7.2	PICK 02-R	5.3	7.7	6.5
DERBY XTREME (IS-PR 268)	7.7	6.7	7.2	PINNACLE II	7.3	5.7	6.5
KOKOMO II (IS-PR 235)	7.7	6.7	7.2	PST-2AG4	6.3	6.7	6.5
PALMER V (RNS)	6.7	7.7	7.2	ASP6002 (BPR)	6.0	6.7	6.3
ACCENT II (JR-119)	7.3	7.0	7.2	ASP6005 (AJM)	7.0	5.7	6.3
CITATION FORE	7.3	7.0	7.2	ATTRIBUTE (IS-PR 270)	6.0	6.7	6.3
FIREBOLT (PRG HS-01-09)	7.0	7.3	7.2	CABO II (IS-PR 233)	6.0	6.7	6.3
APR 1648	7.0	7.0	7.0	DELAWARE XL (PICK 01-2)	7.0	5.7	6.3
CALYPSO 3 (MS2)	6.7	7.3	7.0	PANTHER	7.7	5.0	6.3
GRAY STAR (PST-2LGL)	7.3	6.7	7.0	PLATEAU (PST-2LAN)	6.7	6.0	6.3
MAJESTY II (VB77)	7.0	7.0	7.0	PLEASURE SUPREME (PM 103)	6.7	6.0	6.3
MANHATTAN 5 GLR (PST-2AM)	8.0	6.0	7.0	SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	6.0	6.3
PROTOTYPE (DCM)	7.0	7.0	7.0	SR 4600 (SRX 4SP)	7.0	5.7	6.3
VB99	8.0	6.0	7.0	TRANSFORMER (D04-1667)	8.0	4.7	6.3
ALLSTAR 3 (IS-PR 274)	7.7	6.0	6.8	APPLE GL (AAZ-B104)	6.3	6.3	6.3
ASP6004 (EXS54)	8.0	5.7	6.8	E-99	7.3	5.3	6.3
LS 2300 (APR 1670)	7.7	6.0	6.8	EXACTA II GLSR (LTP-611-GLSR)	6.3	6.3	6.3
NEXUS XR (SNR)	7.0	6.7	6.8	KEYSTONE 2 (IS-PR 312)	6.3	6.3	6.3
PALMER GLS (GL-2)	7.0	6.7	6.8	OVERDRIVE	6.3	6.3	6.3
DP 17-9788	7.3	6.3	6.8	PACESETTER II (PS-2)	6.3	6.3	6.3
PRIMARY (IS-PR 269)	6.3	7.3	6.8	PALMER IV	6.3	6.3	6.3
TOP GUN II (JR-324)	7.3	6.3	6.8	PHENOM (APR 1660)	6.3	6.3	6.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	5.7	6.7	PREMIER II	7.3	5.3	6.3
PST-217	7.7	5.7	6.7	PRESIDIO (CNV)	6.3	6.3	6.3
SRX 4682	6.7	6.7	6.7	ASP6003 (TRS)	6.7	5.7	6.2
FOREVER (DP 17-9499)	7.3	6.0	6.7	MACH I	6.7	5.7	6.2
GRAND SLAM 2 (PST-2GSM)	7.0	6.3	6.7	PINNACLE	8.3	4.0	6.2
HEADSTART 2	6.3	7.0	6.7	PREMIER	8.3	4.0	6.2
MMW	7.3	6.0	6.7	AMAZING GS (IS-PR 276)	7.3	5.0	6.2
MONTEREY 3 (JR-408)	6.0	7.3	6.7	ES45	6.3	6.0	6.2
PALACE (IS-PR 273)	7.0	6.3	6.7	LA QUINTA (JR-255)	6.3	6.0	6.2
PIANIST (DP 17-9505)	7.0	6.3	6.7	PARAGON GLR	7.0	5.3	6.2
PM 102	7.0	6.3	6.7	PIZZAZZ	6.3	6.0	6.2
SILVER DOLLAR	7.3	6.0	6.7	1G SQUARED (APR 1664)	7.0	5.0	6.0
SOPRANO (DP1)	6.3	7.0	6.7	BREA (04-BRE)	6.7	5.3	6.0
BRIGHTSTAR SLT	7.0	6.0	6.5	EDGE II (AC2)	5.0	7.0	6.0
BUENA VISTA	5.7	7.3	6.5	FIESTA 4 (PICK F4)	6.7	5.3	6.0
DART (APR 1663)	7.0	6.0	6.5	HAWKEYE 2 (SRX 4692)	6.7	5.3	6.0
DASHER 3 (PICK RB-1)	7.0	6.0	6.5	INSPIRE	6.7	5.3	6.0
DEFENDER (D04-UP)	7.0	6.0	6.5	LINE DRIVE GLS (APR 1797)	5.7	6.3	6.0
				PST-2BLK	7.0	5.0	6.0

TABLE 24. BROWN PATCH (WARM TEMPERATURE) RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	MA1	MO1	MEAN
REPELL GLS	6.3	5.7	6.0
SUNSHINE 2	6.3	5.7	6.0
UNO (D04-11T)	6.0	6.0	6.0
WIND DANCE 2 (PWDR)	6.7	5.3	6.0
BACCARAT (RAD-PR8)	5.7	6.0	5.8
HALO (KN42)	6.0	5.7	5.8
REVENGE GLX (JR-348)	6.0	5.7	5.8
STELLAR GL (IS-PR 236)	4.7	7.0	5.8
AFFINITY	7.3	4.3	5.8
BAR LP 4920	7.3	4.3	5.8
TR47	6.3	5.3	5.8
ASP6001 (RTS)	5.7	5.7	5.7
BAR LP 4317	6.7	4.7	5.7
GOALKEEPER II (JR-114)	5.7	5.7	5.7
NEXUS XD (SP4)	5.7	5.7	5.7
HARRIER (SRX 4UP3)	5.3	6.0	5.7
PROTEGE GLR	6.0	5.3	5.7
REGAL 5 (IS-PR 271)	5.0	6.3	5.7
RINGER II (04-BEN)	6.0	5.3	5.7
BAR LP 4420	4.7	6.3	5.5
BARLENNIUM	5.0	6.0	5.5
D04-LP05	6.0	5.0	5.5
PALMER III	6.3	4.3	5.3
QUICKSILVER	5.3	5.3	5.3
ASP6006 (LPFG)	6.0	4.3	5.2
WAYFARER (L44)	5.3	5.0	5.2
LPR 02203	5.3	4.3	4.8
LINN	5.3	4.0	4.7
LSD VALUE	1.5	1.8	1.2
C.V. (%)	13.8	19.1	16.4

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 25. CROWN RUST RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MN1	NAME	MN1
PALACE (IS-PR 273)	8.3	DART (APR 1663)	6.3
ALLSTAR 3 (IS-PR 274)	8.0	GRAY FOX (PST-2MNG)	6.3
AMAZING GS (IS-PR 276)	8.0	MACH I	6.3
APPLE GL (AAZ-B104)	8.0	NEXUS XR (SNR)	6.3
PALMER GLS (GL-2)	8.0	PLATEAU (PST-2LAN)	6.3
PALMER IV	8.0	PRESIDIO (CNV)	6.3
QUICKSILVER	8.0	PST-217	6.3
STELLAR GL (IS-PR 236)	8.0	PST-2BLK	6.3
APR 1648	7.7	CITATION FORE	6.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	GRAND SLAM 2 (PST-2GSM)	6.0
DASHER 3 (PICK RB-1)	7.7	PANTHER GLS	6.0
EXACTA II GLSR (LTP-611-GLSR)	7.7	REVENGE GLX (JR-348)	6.0
HARRIER (SRX 4UP3)	7.7	TR47	6.0
MMW	7.7	ASP6002 (BPR)	5.7
NOTABLE (AF)	7.7	EDGE II (AC2)	5.7
PALMER V (RNS)	7.7	PHENOM (APR 1660)	5.7
PARAGON GLR	7.7	PICK 02-R	5.7
SOPRANO (DP1)	7.7	PINNACLE II	5.7
1G SQUARED (APR 1664)	7.3	SUNSHINE 2	5.7
DERBY XTREME (IS-PR 268)	7.3	TRANSFORMER (D04-1667)	5.7
HOMERUN (RG3P)	7.3	ASP6005 (AJM)	5.3
KEYSTONE 2 (IS-PR 312)	7.3	BAR LP 4920	5.3
KOKOMO II (IS-PR 235)	7.3	CALYPSO 3 (MS2)	5.3
MANHATTAN 5 GLR (PST-2AM)	7.3	CUTTER II (PM 101)	5.3
REGAL 5 (IS-PR 271)	7.3	HALO (KN42)	5.3
SR 4600 (SRX 4SP)	7.3	MONTEREY 3 (JR-408)	5.3
ZOOM (LCK)	7.3	NEXUS XD (SP4)	5.3
BUENA VISTA	7.0	OVERDRIVE	5.3
DEFENDER (D04-UP)	7.0	SILVER DOLLAR	5.3
FIESTA 4 (PICK F4)	7.0	WIND DANCE 2 (PWDR)	5.3
MAJESTY II (VB77)	7.0	ASP6003 (TRS)	5.0
PROTEGE GLR	7.0	BREA (04-BRE)	5.0
PROTOTYPE (DCM)	7.0	FOREVER (DP 17-9499)	5.0
SECRETARIAT II GLSR (LTP-101-GLSR)	7.0	FUSION	5.0
UNO (D04-11T)	7.0	GRAY STAR (PST-2LGL)	5.0
ASP6004 (EXS54)	6.7	LA QUINTA (JR-255)	5.0
ASP6006 (LPFG)	6.7	LINE DRIVE GLS (APR 1797)	5.0
ATTRIBUTE (IS-PR 270)	6.7	PLEASURE SUPREME (PM 103)	5.0
CABO II (IS-PR 233)	6.7	WAYFARER (L44)	5.0
FIJI (GPR)	6.7	BACCARAT (RAD-PR8)	4.7
PIZZAZZ	6.7	BAR LP 4420	4.7
PRIMARY (IS-PR 269)	6.7	ES45	4.7
PST-2AG4	6.7	PACESETTER II (PS-2)	4.7
REPELL GLS	6.7	PENTIUM	4.7
D04-LP05	6.3	PM 102	4.7
		RINGER II (04-BEN)	4.7

TABLE 25. CROWN RUST RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	MN1
VB99	4.7
DELAWARE XL (PICK 01-2)	4.3
GALATTI (DP 17-9502)	4.3
PALMER III	4.3
HEADSTART 2	4.0
INSPIRE	4.0
LS 2300 (APR 1670)	4.0
ASP6001 (RTS)	3.7
BAR LP 4317	3.7
BRIGHTSTAR SLT	3.7
E-99	3.7
PIANIST (DP 17-9505)	3.7
SRX 4682	3.7
BARLENNIUM	3.3
CADDIESHACK II (JR-163)	3.3
DP 17-9788	3.3
FIREBOLT (PRG HS-01-09)	3.3
TOP GUN II (JR-324)	3.3
ACCENT II (JR-119)	2.7
GOALKEEPER II (JR-114)	2.3
HAWKEYE 2 (SRX 4692)	2.3
PREMIER II	2.3
LPR 02203	1.7
PREMIER	1.7
PANTHER	1.3
PINNACLE	1.3
AFFINITY	1.0
LSD VALUE	1.7
C.V. (%)	18.8

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 26. GRAY LEAF SPOT RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MD1	NAME	MD1
ALLSTAR 3 (IS-PR 274)	9.0	PROTEGE GLR	8.3
APPLE GL (AAZ-B104)	9.0	PST-2AG4	8.3
DART (APR 1663)	9.0	PST-2BLK	8.3
DASHER 3 (PICK RB-1)	9.0	SECRETARIAT II GLSR (LTP-101-GLSR)	8.3
DEFENDER (D04-UP)	9.0	SILVER DOLLAR	8.3
EXACTA II GLSR (LTP-611-GLSR)	9.0	VB99	8.3
FIESTA 4 (PICK F4)	9.0	ASP6004 (EXS54)	8.0
GRAND SLAM 2 (PST-2GSM)	9.0	CITATION FORE	8.0
HAWKEYE 2 (SRX 4692)	9.0	D04-LP05	8.0
LINE DRIVE GLS (APR 1797)	9.0	DP 17-9788	8.0
LS 2300 (APR 1670)	9.0	HALO (KN42)	8.0
MMW	9.0	HOMERUN (RG3P)	8.0
PALMER V (RNS)	9.0	KEYSTONE 2 (IS-PR 312)	8.0
REVENGE GLX (JR-348)	9.0	KOKOMO II (IS-PR 235)	8.0
SOPRANO (DP1)	9.0	MANHATTAN 5 GLR (PST-2AM)	8.0
SR 4600 (SRX 4SP)	9.0	RINGER II (04-BEN)	8.0
TRANSFORMER (D04-1667)	9.0	ZOOM (LCK)	8.0
UNO (D04-11T)	9.0	BUENA VISTA	7.7
1G SQUARED (APR 1664)	8.7	E-99	7.7
AMAZING GS (IS-PR 276)	8.7	ES45	7.7
ATTRIBUTE (IS-PR 270)	8.7	FIJI (GPR)	7.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	8.7	FOREVER (DP 17-9499)	7.7
FUSION	8.7	NEXUS XR (SNR)	7.7
NOTABLE (AF)	8.7	PALMER III	7.7
PALMER GLS (GL-2)	8.7	PREMIER	7.7
PALMER IV	8.7	PRESIDIO (CNV)	7.7
PARAGON GLR	8.7	QUICKSILVER	7.7
PIANIST (DP 17-9505)	8.7	TR47	7.7
PLATEAU (PST-2LAN)	8.7	ASP6002 (BPR)	7.3
REGAL 5 (IS-PR 271)	8.7	BREA (04-BRE)	7.3
REPELL GLS	8.7	CABO II (IS-PR 233)	7.3
SRX 4682	8.7	MAJESTY II (VB77)	7.3
STELLAR GL (IS-PR 236)	8.7	MONTEREY 3 (JR-408)	7.3
DERBY XTREME (IS-PR 268)	8.3	OVERDRIVE	7.3
EDGE II (AC2)	8.3	PROTOTYPE (DCM)	7.3
GRAY FOX (PST-2MNG)	8.3	PST-217	7.3
GRAY STAR (PST-2LGL)	8.3	WAYFARER (L44)	7.3
HARRIER (SRX 4UP3)	8.3	WIND DANCE 2 (PWDR)	7.3
NEXUS XD (SP4)	8.3	ACCENT II (JR-119)	7.0
PALACE (IS-PR 273)	8.3	ASP6001 (RTS)	7.0
PANTHER GLS	8.3	ASP6006 (LPFG)	7.0
PHENOM (APR 1660)	8.3	BARLENNIUM	7.0
PLEASURE SUPREME (PM 103)	8.3	BRIGHTSTAR SLT	7.0
PM 102	8.3	DELAWARE XL (PICK 01-2)	7.0
PRIMARY (IS-PR 269)	8.3	GALATTI (DP 17-9502)	7.0
		LA QUINTA (JR-255)	7.0

TABLE 26. GRAY LEAF SPOT RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	MD1
PENTIUM	7.0
AFFINITY	6.7
ASP6003 (TRS)	6.7
ASP6005 (AJM)	6.7
BACCARAT (RAD-PR8)	6.7
BAR LP 4317	6.7
CALYPSO 3 (MS2)	6.7
INSPIRE	6.7
PINNACLE	6.7
BAR LP 4420	6.3
CADDIESHACK II (JR-163)	6.3
GOALKEEPER II (JR-114)	6.3
HEADSTART 2	6.3
PIZZAZZ	6.3
PACESETTER II (PS-2)	6.0
PINNACLE II	6.0
PREMIER II	6.0
TOP GUN II (JR-324)	6.0
FIREBOLT (PRG HS-01-09)	5.7
MACH I	5.7
CUTTER II (PM 101)	5.3
LINN	5.3
APR 1648	5.0
PANTHER	4.7
PICK 02-R	4.7
BAR LP 4920	4.3
LPR 02203	4.3
SUNSHINE 2	4.3
LSD VALUE	1.3
C.V. (%)	11.0

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 27. PINK SNOW MOLD RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MN1	NAME	MN1
PHENOM (APR 1660)	5.7	DELAWARE XL (PICK 01-2)	4.0
REVENGE GLX (JR-348)	5.7	ES45	4.0
ZOOM (LCK)	5.7	GALATTI (DP 17-9502)	4.0
FIREBOLT (PRG HS-01-09)	5.3	HOMERUN (RG3P)	4.0
TR47	5.3	INSPIRE	4.0
AFFINITY	5.0	KEYSTONE 2 (IS-PR 312)	4.0
AMAZING GS (IS-PR 276)	5.0	PACESETTER II (PS-2)	4.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0	PALMER IV	4.0
E-99	5.0	PARAGON GLR	4.0
GRAY FOX (PST-2MNG)	5.0	PIANIST (DP 17-9505)	4.0
HAWKEYE 2 (SRX 4692)	5.0	PINNACLE	4.0
PALMER III	5.0	PIZZAZZ	4.0
PINNACLE II	5.0	PLATEAU (PST-2LAN)	4.0
BAR LP 4920	4.7	PREMIER	4.0
BARLENNIUM	4.7	PREMIER II	4.0
D04-LP05	4.7	PRESIDIO (CNV)	4.0
DEFENDER (D04-UP)	4.7	PST-2AG4	4.0
DERBY XTREME (IS-PR 268)	4.7	PST-2BLK	4.0
KOKOMO II (IS-PR 235)	4.7	STELLAR GL (IS-PR 236)	4.0
NOTABLE (AF)	4.7	SUNSHINE 2	4.0
OVERDRIVE	4.7	ACCENT II (JR-119)	3.7
PROTEGE GLR	4.7	APPLE GL (AAZ-B104)	3.7
REPELL GLS	4.7	ASP6002 (BPR)	3.7
SILVER DOLLAR	4.7	ASP6003 (TRS)	3.7
SOPRANO (DP1)	4.7	ASP6004 (EXS54)	3.7
VB99	4.7	ATTRIBUTE (IS-PR 270)	3.7
BACCARAT (RAD-PR8)	4.3	BAR LP 4420	3.7
CITATION FORE	4.3	FUSION	3.7
DART (APR 1663)	4.3	HARRIER (SRX 4UP3)	3.7
EDGE II (AC2)	4.3	LINE DRIVE GLS (APR 1797)	3.7
FIESTA 4 (PICK F4)	4.3	LPR 02203	3.7
FOREVER (DP 17-9499)	4.3	MACH I	3.7
NEXUS XR (SNR)	4.3	MAJESTY II (VB77)	3.7
PALACE (IS-PR 273)	4.3	MONTEREY 3 (JR-408)	3.7
PRIMARY (IS-PR 269)	4.3	PALMER GLS (GL-2)	3.7
PST-217	4.3	PALMER V (RNS)	3.7
QUICKSILVER	4.3	PANTHER	3.7
REGAL 5 (IS-PR 271)	4.3	PENTIUM	3.7
TOP GUN II (JR-324)	4.3	PM 102	3.7
TRANSFORMER (D04-1667)	4.3	SECRETARIAT II GLSR (LTP-101-GLSR)	3.7
ASP6005 (AJM)	4.0	SR 4600 (SRX 4SP)	3.7
BAR LP 4317	4.0	SRX 4682	3.7
CADDIESHACK II (JR-163)	4.0	WAYFARER (L44)	3.7
CUTTER II (PM 101)	4.0	WIND DANCE 2 (PWDR)	3.7
DASHER 3 (PICK RB-1)	4.0	ALLSTAR 3 (IS-PR 274)	3.3
		BREA (04-BRE)	3.3

TABLE 27. PINK SNOW MOLD RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	MN1
BUENA VISTA	3.3
CABO II (IS-PR 233)	3.3
CALYPSO 3 (MS2)	3.3
EXACTA II GLSR (LTP-611-GLSR)	3.3
GOALKEEPER II (JR-114)	3.3
GRAND SLAM 2 (PST-2GSM)	3.3
HEADSTART 2	3.3
LA QUINTA (JR-255)	3.3
LINN	3.3
MANHATTAN 5 GLR (PST-2AM)	3.3
MMW	3.3
PICK 02-R	3.3
PROTOTYPE (DCM)	3.3
UNO (D04-11T)	3.3
ASP6006 (LPFG)	3.0
FIJI (GPR)	3.0
GRAY STAR (PST-2LGL)	3.0
HALO (KN42)	3.0
LS 2300 (APR 1670)	3.0
NEXUS XD (SP4)	3.0
PLEASURE SUPREME (PM 103)	3.0
ASP6001 (RTS)	2.7
DP 17-9788	2.7
PANTHER GLS	2.7
RINGER II (04-BEN)	2.7
1G SQUARED (APR 1664)	2.3
APR 1648	2.3
BRIGHTSTAR SLT	2.3
LSD VALUE	1.8
C.V. (%)	28.0

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. SEEDHEAD RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	MA1	NAME	MA1
CUTTER II (PM 101)	8.0	GRAY STAR (PST-2LGL)	6.3
PRESIDIO (CNV)	8.0	HOMERUN (RG3P)	6.3
TOP GUN II (JR-324)	8.0	KOKOMO II (IS-PR 235)	6.3
ACCENT II (JR-119)	7.7	MMW	6.3
ASP6001 (RTS)	7.7	PACESETTER II (PS-2)	6.3
MAJESTY II (VB77)	7.7	PANTHER	6.3
PINNACLE	7.7	PINNACLE II	6.3
AFFINITY	7.3	PIZZAZZ	6.3
BRIGHTSTAR SLT	7.3	PLATEAU (PST-2LAN)	6.3
FIJI (GPR)	7.3	PST-217	6.3
FIREBOLT (PRG HS-01-09)	7.3	RINGER II (04-BEN)	6.3
FOREVER (DP 17-9499)	7.3	SR 4600 (SRX 4SP)	6.3
LA QUINTA (JR-255)	7.3	UNO (D04-11T)	6.3
SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	ALLSTAR 3 (IS-PR 274)	6.0
AMAZING GS (IS-PR 276)	7.0	ASP6002 (BPR)	6.0
ASP6004 (EXS54)	7.0	BAR LP 4317	6.0
ASP6005 (AJM)	7.0	CADDIESHACK II (JR-163)	6.0
ASP6006 (LPFG)	7.0	DP 17-9788	6.0
BACCARAT (RAD-PR8)	7.0	E-99	6.0
BREA (04-BRE)	7.0	FUSION	6.0
EDGE II (AC2)	7.0	HEADSTART 2	6.0
FIESTA 4 (PICK F4)	7.0	LS 2300 (APR 1670)	6.0
MANHATTAN 5 GLR (PST-2AM)	7.0	MONTEREY 3 (JR-408)	6.0
NEXUS XD (SP4)	7.0	PALACE (IS-PR 273)	6.0
OVERDRIVE	7.0	PALMER IV	6.0
PALMER V (RNS)	7.0	PREMIER	6.0
PANTHER GLS	7.0	SRX 4682	6.0
PENTIUM	7.0	SUNSHINE 2	6.0
PICK 02-R	7.0	TR47	6.0
PRIMARY (IS-PR 269)	7.0	WAYFARER (L44)	6.0
BAR LP 4420	6.7	1G SQUARED (APR 1664)	5.7
BAR LP 4920	6.7	ATTRIBUTE (IS-PR 270)	5.7
CALYPSO 3 (MS2)	6.7	BUENA VISTA	5.7
DASHER 3 (PICK RB-1)	6.7	CITATION FORE	5.7
DEFENDER (D04-UP)	6.7	DART (APR 1663)	5.7
GALATTI (DP 17-9502)	6.7	DELAWARE XL (PICK 01-2)	5.7
HALO (KN42)	6.7	DERBY XTREME (IS-PR 268)	5.7
INSPIRE	6.7	EXACTA II GLSR (LTP-611-GLSR)	5.7
KEYSTONE 2 (IS-PR 312)	6.7	GRAY FOX (PST-2MNG)	5.7
PLEASURE SUPREME (PM 103)	6.7	HAWKEYE 2 (SRX 4692)	5.7
VB99	6.7	LPR 02203	5.7
WIND DANCE 2 (PWDR)	6.7	NEXUS XR (SNR)	5.7
BARLENNIUM	6.3	PARAGON GLR	5.7
ES45	6.3	PHENOM (APR 1660)	5.7
GRAND SLAM 2 (PST-2GSM)	6.3	PIANIST (DP 17-9505)	5.7
		REGAL 5 (IS-PR 271)	5.7

TABLE 28. SEEDHEAD RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	MA1
REVENGE GLX (JR-348)	5.7
SOPRANO (DP1)	5.7
TRANSFORMER (D04-1667)	5.7
APR 1648	5.3
ASP6003 (TRS)	5.3
CABO II (IS-PR 233)	5.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.3
GOALKEEPER II (JR-114)	5.3
LINE DRIVE GLS (APR 1797)	5.3
MACH I	5.3
NOTABLE (AF)	5.3
PALMER III	5.3
PROTOTYPE (DCM)	5.3
PST-2AG4	5.3
PST-2BLK	5.3
QUICKSILVER	5.3
REPELL GLS	5.3
SILVER DOLLAR	5.3
D04-LP05	5.0
HARRIER (SRX 4UP3)	5.0
PALMER GLS (GL-2)	5.0
PM 102	5.0
STELLAR GL (IS-PR 236)	5.0
ZOOM (LCK)	5.0
APPLE GL (AAZ-B104)	4.7
LINN	4.7
PROTEGE GLR	4.7
PREMIER II	4.3
LSD VALUE	1.6
C.V. (%)	16.0

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

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

TABLE 29.

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MA1	NAME	MA1
BAR LP 4317	9.0	GRAND SLAM 2 (PST-2GSM)	8.0
CITATION FORE	9.0	REGAL 5 (IS-PR 271)	8.0
DP 17-9788	9.0	REVENGE GLX (JR-348)	8.0
FIESTA 4 (PICK F4)	9.0	SILVER DOLLAR	8.0
HARRIER (SRX 4UP3)	9.0	AMAZING GS (IS-PR 276)	7.7
LINE DRIVE GLS (APR 1797)	9.0	ASP6001 (RTS)	7.7
PENTIUM	9.0	BARLENNIUM	7.7
PROTEGE GLR	9.0	CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7
SECRETARIAT II GLSR (LTP-101-GLSR)	9.0	DEFENDER (D04-UP)	7.7
TRANSFORMER (D04-1667)	9.0	DERBY XTREME (IS-PR 268)	7.7
ACCENT II (JR-119)	8.7	E-99	7.7
APPLE GL (AAZ-B104)	8.7	HOMERUN (RG3P)	7.7
BACCARAT (RAD-PR8)	8.7	INSPIRE	7.7
BRIGHTSTAR SLT	8.7	MMW	7.7
LS 2300 (APR 1670)	8.7	MONTEREY 3 (JR-408)	7.7
MANHATTAN 5 GLR (PST-2AM)	8.7	PARAGON GLR	7.7
PACESETTER II (PS-2)	8.7	PROTOTYPE (DCM)	7.7
PALMER GLS (GL-2)	8.7	RINGER II (04-BEN)	7.7
PALMER V (RNS)	8.7	FIREBOLT (PRG HS-01-09)	7.3
PANTHER GLS	8.7	FOREVER (DP 17-9499)	7.3
SR 4600 (SRX 4SP)	8.7	FUSION	7.3
TOP GUN II (JR-324)	8.7	GRAY STAR (PST-2LGL)	7.3
ZOOM (LCK)	8.7	KOKOMO II (IS-PR 235)	7.3
1G SQUARED (APR 1664)	8.3	PALMER IV	7.3
ALLSTAR 3 (IS-PR 274)	8.3	PINNACLE II	7.3
APR 1648	8.3	QUICKSILVER	7.3
DASHER 3 (PICK RB-1)	8.3	REPELL GLS	7.3
EXACTA II GLSR (LTP-611-GLSR)	8.3	SRX 4682	7.3
HAWKEYE 2 (SRX 4692)	8.3	STELLAR GL (IS-PR 236)	7.3
KEYSTONE 2 (IS-PR 312)	8.3	TR47	7.3
PALACE (IS-PR 273)	8.3	ATTRIBUTE (IS-PR 270)	7.0
PALMER III	8.3	BAR LP 4420	7.0
PHENOM (APR 1660)	8.3	BAR LP 4920	7.0
PIANIST (DP 17-9505)	8.3	D04-LP05	7.0
PLATEAU (PST-2LAN)	8.3	DELAWARE XL (PICK 01-2)	7.0
PREMIER II	8.3	PANTHER	7.0
PRIMARY (IS-PR 269)	8.3	VB99	7.0
SOPRANO (DP1)	8.3	AFFINITY	6.7
UNO (D04-11T)	8.3	ASP6006 (LPFG)	6.7
BUENA VISTA	8.0	CALYPSO 3 (MS2)	6.7
CABO II (IS-PR 233)	8.0	GRAY FOX (PST-2MNG)	6.7
CADDIESHACK II (JR-163)	8.0	HEADSTART 2	6.7
CUTTER II (PM 101)	8.0	NOTABLE (AF)	6.7
EDGE II (AC2)	8.0	OVERDRIVE	6.7
GOALKEEPER II (JR-114)	8.0	PINNACLE	6.7
		PIZZAZZ	6.7

TABLE 29.
(CONT'D)

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/	
NAME	MA1
PREMIER	6.7
PRESIDIO (CNV)	6.7
PST-217	6.7
PST-2AG4	6.7
ASP6003 (TRS)	6.3
DART (APR 1663)	6.3
FIJI (GPR)	6.3
MAJESTY II (VB77)	6.3
NEXUS XD (SP4)	6.3
NEXUS XR (SNR)	6.3
PST-2BLK	6.3
WIND DANCE 2 (PWDR)	6.3
ASP6005 (AJM)	6.0
LPR 02203	6.0
MACH I	6.0
PLEASURE SUPREME (PM 103)	6.0
SUNSHINE 2	6.0
ASP6002 (BPR)	5.7
ASP6004 (EXS54)	5.7
BREA (04-BRE)	5.7
GALATTI (DP 17-9502)	5.7
LA QUINTA (JR-255)	5.7
WAYFARER (L44)	5.7
ES45	5.3
HALO (KN42)	5.3
PM 102	5.3
PICK 02-R	4.0
LINN	2.3
LSD VALUE	2.0
C.V. (%)	16.4

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 30.

SNOW MOLD RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA

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

NAME	UT1	NAME	UT1
ASP6004 (EXS54)	6.3	ASP6002 (BPR)	4.3
LINN	6.3	BACCARAT (RAD-PR8)	4.3
PALMER IV	6.3	KOKOMO II (IS-PR 235)	4.3
DELAWARE XL (PICK 01-2)	5.7	MACH I	4.3
HEADSTART 2	5.7	MANHATTAN 5 GLR (PST-2AM)	4.3
PST-2AG4	5.7	PIANIST (DP 17-9505)	4.3
TR47	5.7	PICK 02-R	4.3
ASP6001 (RTS)	5.3	PM 102	4.3
ASP6003 (TRS)	5.3	PREMIER II	4.3
BAR LP 4317	5.3	PROTEGE GLR	4.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.3	SILVER DOLLAR	4.3
CITATION FORE	5.3	SOPRANO (DP1)	4.3
ES45	5.3	WIND DANCE 2 (PWDR)	4.3
FIREBOLT (PRG HS-01-09)	5.3	ACCENT II (JR-119)	4.0
FUSION	5.3	APPLE GL (AAZ-B104)	4.0
GOALKEEPER II (JR-114)	5.3	BAR LP 4420	4.0
MONTEREY 3 (JR-408)	5.3	BARLENNIUM	4.0
PST-217	5.3	BRIGHTSTAR SLT	4.0
PST-2BLK	5.3	D04-LP05	4.0
QUICKSILVER	5.3	DP 17-9788	4.0
RINGER II (04-BEN)	5.3	EXACTA II GLSR (LTP-611-GLSR)	4.0
ASP6005 (AJM)	5.0	GALATTI (DP 17-9502)	4.0
BREA (04-BRE)	5.0	GRAY FOX (PST-2MNG)	4.0
HALO (KN42)	5.0	GRAY STAR (PST-2LGL)	4.0
MMW	5.0	HOMERUN (RG3P)	4.0
NEXUS XD (SP4)	5.0	INSPIRE	4.0
PACESETTER II (PS-2)	5.0	KEYSTONE 2 (IS-PR 312)	4.0
PALMER GLS (GL-2)	5.0	PALMER V (RNS)	4.0
PREMIER	5.0	PANTHER	4.0
UNO (D04-11T)	5.0	PENTIUM	4.0
ASP6006 (LPFG)	4.7	PLATEAU (PST-2LAN)	4.0
CUTTER II (PM 101)	4.7	PLEASURE SUPREME (PM 103)	4.0
EDGE II (AC2)	4.7	PRIMARY (IS-PR 269)	4.0
FIJI (GPR)	4.7	REVENGE GLX (JR-348)	4.0
LA QUINTA (JR-255)	4.7	SRX 4682	4.0
NEXUS XR (SNR)	4.7	ATTRIBUTE (IS-PR 270)	3.7
NOTABLE (AF)	4.7	BUENA VISTA	3.7
PHENOM (APR 1660)	4.7	CALYPSO 3 (MS2)	3.7
PINNACLE II	4.7	DERBY XTREME (IS-PR 268)	3.7
PRESIDIO (CNV)	4.7	E-99	3.7
REPELL GLS	4.7	FIESTA 4 (PICK F4)	3.7
STELLAR GL (IS-PR 236)	4.7	HARRIER (SRX 4UP3)	3.7
WAYFARER (L44)	4.7	HAWKEYE 2 (SRX 4692)	3.7
1G SQUARED (APR 1664)	4.3	LPR 02203	3.7
AFFINITY	4.3	LS 2300 (APR 1670)	3.7
		MAJESTY II (VB77)	3.7

TABLE 30. SNOW MOLD RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA

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

NAME	UT1
PALMER III	3.7
PANTHER GLS	3.7
REGAL 5 (IS-PR 271)	3.7
SECRETARIAT II GLSR (LTP-101-GLSR)	3.7
SUNSHINE 2	3.7
TOP GUN II (JR-324)	3.7
VB99	3.7
ALLSTAR 3 (IS-PR 274)	3.3
AMAZING GS (IS-PR 276)	3.3
BAR LP 4920	3.3
DASHER 3 (PICK RB-1)	3.3
GRAND SLAM 2 (PST-2GSM)	3.3
LINE DRIVE GLS (APR 1797)	3.3
PINNACLE	3.3
PIZZAZZ	3.3
PROTOTYPE (DCM)	3.3
SR 4600 (SRX 4SP)	3.3
CABO II (IS-PR 233)	3.0
CADDIESHACK II (JR-163)	3.0
DEFENDER (D04-UP)	3.0
FOREVER (DP 17-9499)	3.0
PARAGON GLR	3.0
TRANSFORMER (D04-1667)	3.0
APR 1648	2.7
DART (APR 1663)	2.7
OVERDRIVE	2.7
PALACE (IS-PR 273)	2.7
ZOOM (LCK)	2.7
LSD VALUE	2.1
C.V. (%)	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.

TABLE 31. PERCENT DOLLAR SPOT RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2008 DATA 2/

NAME	RI1	NAME	RI1
BREA (04-BRE)	47.3	ES45	19.7
PHENOM (APR 1660)	41.7	HAWKEYE 2 (SRX 4692)	19.7
LINN	39.3	WIND DANCE 2 (PWDR)	19.7
PINNACLE	39.3	CUTTER II (PM 101)	19.3
FIREBOLT (PRG HS-01-09)	39.0	MACH I	19.3
CADDIESHACK II (JR-163)	38.3	HALO (KN42)	19.0
ASP6005 (AJM)	38.0	PALMER V (RNS)	19.0
PALMER III	37.0	ZOOM (LCK)	19.0
NEXUS XR (SNR)	36.3	ATTRIBUTE (IS-PR 270)	18.7
CALYPSO 3 (MS2)	35.0	PST-2AG4	18.7
SUNSHINE 2	33.7	PACESETTER II (PS-2)	18.3
ASP6002 (BPR)	33.0	AMAZING GS (IS-PR 276)	18.0
PREMIER	33.0	BAR LP 4420	18.0
PIANIST (DP 17-9505)	32.3	NEXUS XD (SP4)	18.0
PRIMARY (IS-PR 269)	31.0	PM 102	18.0
PREMIER II	30.7	SOPRANO (DP1)	18.0
DEFENDER (D04-UP)	30.3	ALLSTAR 3 (IS-PR 274)	17.7
PICK 02-R	30.3	ASP6003 (TRS)	17.7
PLEASURE SUPREME (PM 103)	30.3	MANHATTAN 5 GLR (PST-2AM)	17.7
ASP6001 (RTS)	29.3	ACCENT II (JR-119)	17.3
INSPIRE	29.3	BARLENNIUM	17.3
BUENA VISTA	29.0	EXACTA II GLSR (LTP-611-GLSR)	17.3
ASP6006 (LPFG)	28.3	GRAY FOX (PST-2MNG)	17.3
GRAY STAR (PST-2LGL)	27.7	PRESIDIO (CNV)	17.3
LPR 02203	27.0	QUICKSILVER	17.3
REGAL 5 (IS-PR 271)	26.3	EDGE II (AC2)	17.0
AFFINITY	26.0	RINGER II (04-BEN)	17.0
NOTABLE (AF)	26.0	WAYFARER (L44)	16.3
TRANSFORMER (D04-1667)	24.7	DASHER 3 (PICK RB-1)	16.0
CABO II (IS-PR 233)	24.3	PARAGON GLR	16.0
HARRIER (SRX 4UP3)	24.3	BAR LP 4317	15.7
OVERDRIVE	24.3	GOALKEEPER II (JR-114)	15.3
PIZZAZZ	24.3	SILVER DOLLAR	15.3
BAR LP 4920	24.0	SR 4600 (SRX 4SP)	15.3
TR47	23.3	TOP GUN II (JR-324)	15.3
HEADSTART 2	23.0	PROTEGE GLR	15.0
VB99	23.0	FUSION	14.7
GALATTI (DP 17-9502)	22.7	LINE DRIVE GLS (APR 1797)	14.7
PALMER IV	22.0	FOREVER (DP 17-9499)	14.3
MONTEREY 3 (JR-408)	21.7	LS 2300 (APR 1670)	14.3
PALMER GLS (GL-2)	21.7	BACCARAT (RAD-PR8)	14.0
CITATION FORE	21.3	CHARISMATIC II GLSR (LTP-PG-GLSR)	14.0
DELAWARE XL (PICK 01-2)	21.3	MMW	14.0
APPLE GL (AAZ-B104)	21.0	PALACE (IS-PR 273)	13.7
PINNACLE II	20.7	REPELL GLS	13.3
STELLAR GL (IS-PR 236)	20.3	DERBY XTREME (IS-PR 268)	13.0
DP 17-9788	19.7	GRAND SLAM 2 (PST-2GSM)	13.0

TABLE 31. PERCENT DOLLAR SPOT RATINGS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2008 DATA 2/

NAME	RI1
PLATEAU (PST-2LAN)	13.0
ASP6004 (EXS54)	12.7
KEYSTONE 2 (IS-PR 312)	12.7
PENTIUM	12.7
PANTHER	12.3
BRIGHTSTAR SLT	12.0
DART (APR 1663)	12.0
KOKOMO II (IS-PR 235)	12.0
FIESTA 4 (PICK F4)	11.3
PROTOTYPE (DCM)	11.3
1G SQUARED (APR 1664)	10.3
PST-217	10.3
REVENGE GLX (JR-348)	10.3
SRX 4682	10.0
FIJI (GPR)	9.7
SECRETARIAT II GLSR (LTP-101-GLSR)	9.7
APR 1648	9.3
E-99	9.0
HOMERUN (RG3P)	8.7
PST-2BLK	8.7
D04-LP05	8.3
UNO (D04-11T)	8.3
LA QUINTA (JR-255)	8.0
MAJESTY II (VB77)	6.7
PANTHER GLS	6.3
LSD VALUE	18.7
C.V. (%)	57.8

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.

APPENDIX TABLE.

SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS */
2008 DATA

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)	6.0	20	GOALKEEPER II (JR-114)	5.6	10
ACCENT II (JR-119)	5.6	10	GRAND SLAM 2 (PST-2GSM)	6.1	50
AFFINITY	4.7	0	GRAY FOX (PST-2MNG)	5.9	15
ALLSTAR 3 (IS-PR 274)	6.3	50	GRAY STAR (PST-2LGL)	5.7	0
AMAZING GS (IS-PR 276)	6.1	45	HALO (KN42)	5.5	10
APPLE GL (AAZ-B104)	6.2	45	HARRIER (SRX 4UP3)	6.0	20
APR 1648	6.2	60	HAWKEYE 2 (SRX 4692)	5.6	10
ASP6001 (RTS)	5.6	10	HEADSTART 2	5.6	5
ASP6002 (BPR)	5.8	15	HOMERUN (RG3P)	6.2	60
ASP6003 (TRS)	5.9	30	INSPIRE	5.6	15
ASP6004 (EXS54)	6.0	30	KEYSTONE 2 (IS-PR 312)	6.1	40
ASP6005 (AJM)	5.7	10	KOKOMO II (IS-PR 235)	6.2	50
ASP6006 (LPGF)	5.7	15	LA QUINTA (JR-255)	5.7	20
ATTRIBUTE (IS-PR 270)	6.1	45	LINE DRIVE GLS (APR 1797)	6.1	35
BACCARAT (RAD-PR8)	5.8	15	LINN	2.5	0
BAR LP 4317	5.7	5	LPR 02203	4.7	0
BAR LP 4420	5.6	10	LS 2300 (APR 1670)	5.8	15
BAR LP 4920	5.3	10	MACH I	5.9	30
BARLENNIUM	5.4	5	MAJESTY II (VB77)	6.1	35
BREA (04-BRE)	5.7	10	MANHATTAN 5 GLR (PST-2AM)	5.9	40
BRIGHTSTAR SLT	5.6	5	MMW	6.1	40
BUENA VISTA	5.9	25	MONTEREY 3 (JR-408)	5.6	20
CABO II (IS-PR 233)	5.7	10	NEXUS XD (SP4)	5.8	15
CADDIESHACK II (JR-163)	5.7	20	NEXUS XR (SNR)	5.8	25
CALYPSO 3 (MS2)	6.0	40	NOTABLE (AF)	6.0	40
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	35	OVERDRIVE	6.0	35
CITATION FORE	5.8	20	PACESETTER II (PS-2)	5.6	5
CUTTER II (PM 101)	6.0	45	PALACE (IS-PR 273)	6.1	45
D04-LP05	5.6	15	PALMER GLS (GL-2)	6.0	45
DART (APR 1663)	5.8	5	PALMER III	5.3	0
DASHER 3 (PICK RB-1)	6.0	45	PALMER IV	6.2	50
DEFENDER (D04-UP)	5.7	25	PALMER V (RNS)	6.4	70
DELAWARE XL (PICK 01-2)	5.7	15	PANTHER	5.0	0
DERBY XTREME (IS-PR 268)	6.3	55	PANTHER GLS	6.1	45
DP 17-9788	5.5	5	PARAGON GLR	6.2	65
E-99	5.8	20	PENTIUM	5.7	10
EDGE II (AC2)	5.9	25	PHENOM (APR 1660)	5.7	10
ES45	5.8	20	PIANIST (DP 17-9505)	5.2	0
EXACTA II GLSR (LTP-611-GLSR)	6.2	65	PICK 02-R	5.3	15
FIESTA 4 (PICK F4)	6.2	55	PINNACLE	4.4	0
FIJI (GPR)	6.0	35	PINNACLE II	5.8	25
FIREBOLT (PRG HS-01-09)	5.6	15	PIZZAZZ	5.6	15
FOREVER (DP 17-9499)	5.7	10	PLATEAU (PST-2LAN)	5.8	15
FUSION	5.8	15	PLEASURE SUPREME (PM 103)	5.8	20
GALATTI (DP 17-9502)	5.6	10	PM 102	5.7	25

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS */
(CONT'D) 2008 DATA

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

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
PREMIER	4.6	0
PREMIER II	5.3	0
PRESIDIO (CNV)	5.8	20
PRIMARY (IS-PR 269)	6.1	30
PROTEGE GLR	5.8	30
PROTOTYPE (DCM)	6.0	30
PST-217	5.8	20
PST-2AG4	5.9	20
PST-2BLK	5.7	15
QUICKSILVER	5.5	5
REGAL 5 (IS-PR 271)	6.1	55
REPELL GLS	5.9	5
REVENGE GLX (JR-348)	6.2	35
RINGER II (O4-BEN)	5.6	10
SECRETARIAT II GLSR (LTP-101-GLSR)	5.9	25
SILVER DOLLAR	6.0	30
SOPRANO (DP1)	6.2	55
SR 4600 (SRX 4SP)	6.1	40
SRX 4682	5.4	0
STELLAR GL (IS-PR 236)	6.0	30
SUNSHINE 2	5.5	15
TOP GUN II (JR-324)	5.8	15
TR47	5.8	40
TRANSFORMER (D04-1667)	6.0	30
UNO (D04-11T)	6.2	60
VB99	5.9	45
WAYFARER (L44)	5.6	10
WIND DANCE 2 (PWDR)	5.9	20
ZOOM (LCK)	6.3	55
LSD VALUE	0.2	
C.V. (%)	10.0	

*/ 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.