

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

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A Guide to NTEP Turfgrass Ratings

Introduction

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

General Considerations

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

Turfgrass Quality

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

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

Other Ratings

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

2004 NATIONAL PERENNIAL RYEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2005-09

<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
Maine	Orono	ME1
Maryland	College Park	MD1
Maryland	College Park (Gray Leaf Spot Study)	MD2
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
New Jersey	Adelphia (Gray Leaf Spot Study)	NJ2
New Jersey	North Brunswick (Traffic Study)	NJ3
New York	Ithaca	NY1
New York	Ithaca (Traffic Study)	NY2
North Dakota	Fargo	ND1
Oklahoma	Stillwater	OK1
Oregon	Corvallis	OR1
Pennsylvania	University Park	PA1
Quebec	Quebec City	QE1
Rhode Island	Kingston	RI1
South Dakota	Brookings	SD1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Washington	Puyallup (Traffic Study)	WA3
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	Calypso 3 (MS2)	Pickseed
*17	ASP6003 (TRS)	Allied Seed	57	PST-217	Pure-Seed Testing, Inc.	*97	Repell GLS	ProSeeds Marketing
*18	ASP6002 (BPR)	Allied Seed	*58	Manhattan 5 GLR (PST-2AM)	Pure-Seed Testing, Inc.	*98	Panther GLS	ProSeeds Marketing
*19	ASP6005 (AJJM)	Allied Seed	59	PST-2BLK	Pure-Seed Testing, Inc.	99	Palmer GLS (GL-2)	ProSeeds Marketing
*20	ASP6006 (LFPFG)	Allied Seed	*60	Gray Fox (PST-2MNG)	Scotts Turf-Seed	*100	Palmer V (RNS)	ProSeeds Marketing
*21	ASP6004 (EXS54)	Allied Seed	61	PST-2AG4	Pure-Seed Testing, Inc.	*101	Palmer IV	ProSeeds Marketing
*22	ASP6001 (RTS)	Allied Seed	*62	Grand Slam 2 (PST-2GSM)	Mountain View Seed, Ltd	*102	Line Drive GLS (APR 1797)	ProSeeds Marketing
*23	Wind Dance 2 (PWDR)	Pennington Seed Company	*63	Plateau (PST-2LAN)	Brett-Young Seed Limited	*103	Edge II (AC2)	Pickseed
*24	Nexus XD (SP4)	Smith Seed Services	*64	Ringer II (04-BEN)	Oregro Seed, Inc.	*104	Pleasure Supreme (PM 103)	Ampac
*25	Nexus XR (SNR)	Smith Seed Services	*65	Brea (04-BRE)	Oregro Seed, Inc.	105	E-99	Ultra-Turf
*26	Phenom (APR 1660)	Ampac Seed Company	*66	Sunshine 2	Pickseed	106	D04-LP05	The Scotts Company
*27	Delaware XL (Pick 01-2)	Ampac Seed Company	*67	Fiesta 4 (Pick F4)	Pickseed	*107	Defender (D04-UP)	The Scotts Company
*28	Accent II (JR-119)	Jacklin Seed/Simplot	68	Pick 02-R	Pickseed	*108	Uno (D04-11T)	The Scotts Company
*29	Top Gun II (JR-324)	Jacklin Seed/Simplot	*69	Firebolt (PRG HS-01-09)	Seed Research of Oregon	*109	Transformer (D04-1667)	The Scotts Company
*30	Revenge GLX (JR-348)	Jacklin Seed/Simplot	*70	Cutter II (PM 101)	Pickseed	*110	Inspire	The Scotts Company
*31	Monterey 3 (JR-408)	Jacklin Seed/Simplot	*71	Dart (APR 1663)	Mountain View Seeds	*111	Pentium	The Scotts Company
*32	Soprano (DP1)	Pennington Seed Company	*72	Apple GL (AAZ-B104)	Z Seeds/Mountain View Seeds	112	Chivalry (APR 1648)	Ultra-Turf
33	MMW	Pennington Seed Company	*73	Homerun (RG3P)	Mountain View Seeds	113	LS 2300 (APR 1670)	Lewis Seed Co.
*34	1G Squared (APR 1664)	Pennington Seed Company	*74	Prototype (DCM)	LESCO, Inc.	*114	Premier	Standard Entry
*35	Mach I	Standard Entry	*75	Notable (AF)	LESCO, Inc.	*115	Pinnacle	Standard Entry
*36	Dasher 3 (Pick RB-1)	Pickseed	*76	Pacesetter II (PS-2)	LESCO, Inc.	*116	Linn	Standard Entry
*37	Zoom (LCK)	Seed Research of Oregon	*77	Palmer III	Standard Entry	117	Forever (DP 17-9499)	DLF-Trifolium A/S
*38	Regal 5 (IS-PR 271)	DLF International Seed, Inc.	*78	Baccarat (RAD-PR8)	Radix Research, Inc.	118	Galatti (DP 17-9502)	DLF-Trifolium A/S
*39	Palace (IS-PR 273)	Columbia Seeds LLC	*79	Brightstar SLT	Turf-Seed, Inc.	119	Pianist (DP 17-9505)	DLF-Trifolium A/S
*40	Attribute (IS-PR 270)	LESCO, Inc.	*80	Citation Fore	Turf-Seed, Inc.	120	DP 17-9788	DLF-Trifolium A/S

* COMMERCIALY AVAILABLE IN THE USA IN 2010.

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

TABLE A.

2005-09 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	ONLY DURING SEVERE STRESS
MA1	LOAM	5.6-6.0	0-60	241-375	1.1-2.0	FULL SUN	2.1-2.5	NO IRRIGATION
MD1	SILT LOAM AND SILT	5.6-6.0	61-150	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MD2	-	-	-	-	-	-	-	-
ME1	-	-	-	-	-	-	-	-
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
MI2	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY
MN1	SILTY CLAY LOAM	7.1-7.5	61-150	151-240	3.1-4.0	FULL SUN	1.6-2.0	NO IRRIGATION
M01	SILT LOAM AND SILT	6.1-6.5	0-60	151-240	2.1-3.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
ND1	SILTY CLAY AND CLAY	7.6-8.5	0-60	0-150	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
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	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	-	-	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	SANDY LOAM	5.6-6.0	61-150	241-375	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
NY2	SANDY LOAM	6.1-6.5	151-270	241-375	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
OK1	LOAM	7.1-7.5	61-150	501+	3.1-4.0	FULL SUN	2.1-2.5	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
QE1	-	-	-	-	-	-	-	-
RI1	SILT LOAM AND SILT	6.1-6.5	-	-	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	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
VA1	SILTY CLAY LOAM	5.6-6.0	0-60	0-150	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY
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
WA3	SAND	4.6-5.5	0-60	0-150	8.1+	FULL SUN	1.1-1.5	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2005-09

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	X	
IL2			X	X	X	X	X	X	X	X	X	X	X	X	
IN1				X	X	X	X	X	X	X	X		X	X	
KY1			X	X	X	X	X	X	X	X			X	X	
MA1			X	X	X	X	X	X	X	X	X	X	X	X	
MD1				X	X	X	X	X	X	X	X		X		
MD2															
ME1								X	X	X					
MI1				X	X	X	X	X	X	X	X		X	X	X
MI2					X	X	X	X			X			X	
MN1				X	X	X	X	X	X	X			X	X	
MO1			X	X	X	X	X	X	X	X	X	X	X		X
ND1					X	X	X	X	X	X			X	X	
NE1				X	X	X	X	X	X	X			X	X	
NE2				X	X	X	X	X	X	X			X	X	
NJ1				X	X	X	X	X	X	X	X		X	X	X
NJ2															
NJ3															
NY1				X	X	X	X	X	X	X				X	
NY2					X	X	X	X	X	X				X	
OK1			X	X	X	X	X	X	X	X	X	X	X	X	X
OR1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
PA1					X	X	X	X	X	X	X		X		
QE1					X	X	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	X	
UT1				X	X	X	X	X	X	X	X		X	X	
VA1		X	X	X	X	X	X	X	X	X	X		X	X	
WA1				X	X	X	X	X	X	X			X	X	X
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X		
WI1					X	X	X	X	X	X			X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2005-09

LOCATION	WEAR TOLERANCE	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	PERCENT WINTER KILL	TYPHULA BLIGHT	LEAF SPOT	STEM RUST	DOLLAR SPOT
IA1										X				
IL1														
IL2							X	X						X
IN1				X				X						
KY1							X	X						
MA1	X							X			X			X
MD1														
MD2														
ME1														
MI1			X	X	X	X	X	X						
MI2	X					X	X	X						
MN1		X			X	X								
MO1						X	X	X						X
ND1		X	X	X	X	X	X	X		X				X
NE1			X	X	X									X
NE2			X	X	X									X
NJ1	X				X	X	X							
NJ2														
NJ3														
NY1		X												
NY2		X												
OK1				X		X	X	X	X				X	X
OR1		X			X									
PA1												X		
QE1			X	X	X									
RI1		X				X	X							
SD1						X	X	X		X				
UT1														
VA1								X	X					X
WA1		X												
WA3			X	X	X	X	X	X						
WI1										X				

TABLE B.
(CONT'D)

LOCATIONS AND DATA COLLECTED IN 2005-09

LOCATION	RED THREAD	BROWN PATCH WARM TEMP.	PYTHIUM BLIGHT	CROWN RUST	GRAY LEAF SPOT	PINK SNOW MOLD	SEEDHEAD RATINGS	POA ANNUA	PERCENT ESTABLISH- MENT	WEED RATINGS	WINTER DAMAGE	VELOCITY HERBICIDE INJURY
IA1									X			
IL1									X			
IL2									X			
IN1					X							
KY1												
MA1	X	X	X				X	X	X			
MD1					X							
MD2					X							
ME1									X	X		
MI1												
MI2												
MN1				X		X					X	
MO1	X	X										
ND1												
NE1		X										
NE2		X										
NJ1	X				X							
NJ2					X							
NJ3												
NY1												
NY2												
OK1									X			
OR1	X											
PA1		X										X
QE1												
RI1	X			X								
SD1									X			
UT1									X			
VA1	X	X										
WA1												
WA3	X								X			
WI1									X			

TABLE B.
(CONT'D)

LOCATIONS AND DATA COLLECTED IN 2005-09

LOCATION	BROWN PATCH /BIPOLARIS LEAF SPOT	PERCENT PINK SNOW MOLD	YELLOW PATCH	PERCENT DOLLAR SPOT	PERCENT RED THREAD	PERCENT ANTHRACNOSE	BROWN BLIGHT	SNOW MOLD	PERCENT PINK SNOW MOLD	RED THREAD JUNE AUGUST	CROWN JULY 12	RUST JULY 25	SUMMER COLOR	LOW TEMPERATURE INJURY
IA1														
IL1														
IL2	X													
IN1														
KY1														
MA1														
MD1														
MD2														
ME1														
MI1														
MI2														
MN1		X									X	X		
MO1														
ND1														
NE1			X											
NE2			X											
NJ1														
NJ2														
* NJ3														
NY1														
NY2														
OK1														
OR1							X							
PA1														
QE1														
RI1				X	X	X								
SD1														X
UT1								X	X					
VA1										X	X			
WA1														
* WA3														
WI1													X	

* MORE TRAFFIC STUDY DATA FOR "WA3" IN TABLE 12, AND FOR "NJ3" IN TABLE 13..

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)" **/
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	MD1	NE1	RI1	SD1	UT1	MEAN
* EXACTA II GLSR (LTP-611-GLSR)	6.8	6.9	6.4	6.9	6.1	6.3	6.3	6.5
* FIESTA 4 (PICK F4)	7.0	6.5	6.5	6.8	6.2	6.4	6.2	6.5
* ALLSTAR 3 (IS-PR 274)	6.9	7.0	6.4	6.8	6.4	6.2	5.8	6.5
* SOPRANO (DP1)	6.8	7.1	6.6	6.8	6.0	6.3	5.9	6.5
* DERBY XTREME (IS-PR 268)	6.7	6.4	6.8	6.9	6.1	6.3	6.1	6.5
* UNO (D04-11T)	6.8	6.0	6.6	6.9	6.3	6.3	6.4	6.5
* PARAGON GLR	6.7	6.6	6.5	6.9	6.0	6.5	6.0	6.4
* ATTRIBUTE (IS-PR 270)	7.0	6.4	6.4	6.6	6.2	6.3	6.0	6.4
* DASHER 3 (PICK RB-1)	6.9	6.5	6.5	6.7	6.1	6.1	6.2	6.4
* AMAZING GS (IS-PR 276)	6.8	6.7	6.2	6.4	6.1	6.2	6.2	6.4
MMW	6.8	6.4	6.4	6.8	6.2	5.9	6.1	6.4
* HOMERUN (RG3P)	7.0	6.6	6.5	6.6	6.2	6.1	5.6	6.4
* PALACE (IS-PR 273)	7.1	5.6	6.5	6.7	6.1	6.1	6.3	6.3
* REVENGE GLX (JR-348)	7.2	6.0	6.4	6.7	6.4	6.2	5.5	6.3
* PALMER V (RNS)	6.8	6.5	6.6	6.6	5.9	6.1	6.0	6.3
* ZOOM (LCK)	7.1	6.2	5.9	6.6	6.1	6.5	5.9	6.3
* SILVER DOLLAR	6.9	6.6	6.1	6.9	5.8	6.2	5.6	6.3
* KEYSTONE 2 (IS-PR 312)	6.9	6.4	6.1	6.3	6.1	6.5	5.9	6.3
* PROTOTYPE (DCM)	7.0	6.0	6.1	6.5	6.0	6.4	5.9	6.3
* TRANSFORMER (D04-1667)	6.5	6.8	6.2	6.5	5.8	6.1	5.8	6.3
* ASP6004 (EXS54)	7.2	5.4	6.0	6.8	6.2	6.4	6.0	6.3
* PRIMARY (IS-PR 269)	6.8	6.3	6.2	6.4	5.7	6.4	5.9	6.2
* PALMER IV	6.8	6.3	6.1	6.7	6.0	5.7	6.0	6.2
* HARRIER (SRX 4UP3)	6.6	7.0	6.4	6.1	5.8	6.0	5.7	6.2
* SR 4600 (SRX 4SP)	6.4	6.8	6.2	6.3	5.9	5.9	6.1	6.2
* CUTTER II (PM 101)	7.3	4.7	5.9	7.2	6.0	6.2	6.3	6.2
* REGAL 5 (IS-PR 271)	6.9	5.7	6.4	6.3	6.3	5.7	6.1	6.2
* APPLE GL (AAZ-B104)	6.5	7.2	6.5	6.2	5.9	5.8	5.2	6.2
* KOKOMO II (IS-PR 235)	7.2	6.0	5.9	6.7	6.1	5.9	5.5	6.2
* PANTHER GLS	6.4	6.9	6.2	6.4	5.8	6.2	5.5	6.2
PALMER GLS (GL-2)	6.9	6.1	6.4	6.7	5.6	6.3	5.2	6.2
* LINE DRIVE GLS (APR 1797)	6.7	6.8	6.1	6.4	5.7	5.7	5.9	6.2
* NOTABLE (AF)	6.7	6.8	6.2	6.3	6.0	6.3	4.9	6.2
* 1G SQUARED (APR 1664)	6.4	6.4	6.0	6.5	5.8	6.0	6.1	6.2
* STELLAR GL (IS-PR 236)	6.8	6.1	6.1	6.5	5.9	6.2	5.6	6.2
* CALYPSO 3 (MS2)	7.1	4.8	6.0	6.4	6.2	6.2	6.3	6.1
* GRAND SLAM 2 (PST-2GSM)	6.7	6.6	6.2	6.1	5.8	5.8	5.6	6.1
* EDGE II (AC2)	6.7	5.5	5.8	6.9	6.1	6.1	5.7	6.1
* PLEASURE SUPREME (PM 103)	6.6	5.1	6.1	7.2	5.8	6.3	5.8	6.1
* BUENA VISTA	6.6	5.7	6.3	6.5	5.7	6.1	5.9	6.1
* OVERDRIVE	6.5	6.1	5.8	6.7	5.7	6.2	5.8	6.1
* MAJESTY II (VB77)	7.0	5.2	5.7	7.0	6.0	6.0	5.9	6.1
* WIND DANCE 2 (PWDR)	6.8	4.9	6.0	6.7	6.2	6.1	5.9	6.1
* PROTEGE GLR	6.6	5.9	6.4	6.5	6.2	6.2	4.8	6.1
TR47	6.9	4.9	5.9	7.2	6.1	6.0	5.6	6.1

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)" **/
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	MD1	NE1	RI1	SD1	UT1	MEAN
CHIVALRY (APR 1648)	6.4	4.7	5.7	6.9	5.8	6.6	6.4	6.1
VB99	6.8	4.8	5.7	6.7	5.9	6.3	6.3	6.1
* GRAY FOX (PST-2MNG)	6.5	6.5	6.1	6.5	5.7	5.8	5.2	6.1
* DART (APR 1663)	6.4	6.0	6.1	6.3	5.6	5.9	6.0	6.0
* SECRETARIAT II GLSR (LTP-101-GLSR)	6.6	6.6	5.7	6.2	5.6	6.0	5.5	6.0
* PHENOM (APR 1660)	6.2	6.3	6.5	6.1	5.3	6.1	5.6	6.0
* CHARISMATIC II GLSR (LTP-PG-GLSR)	6.6	6.4	6.0	6.5	5.8	5.9	4.9	6.0
LS 2300 (APR 1670)	6.1	6.6	6.1	6.0	5.6	5.9	5.7	6.0
* NEXUS XR (SNR)	6.7	5.0	5.9	6.6	5.7	5.9	6.1	6.0
* MACH I	6.7	4.8	5.3	7.1	5.9	6.2	5.9	6.0
* FIJI (GPR)	6.6	4.9	5.8	6.8	5.8	6.2	5.7	6.0
* PRESIDIO (CNV)	6.6	5.0	5.9	7.0	6.0	6.2	5.2	6.0
* REPELL GLS	6.3	5.9	6.1	6.1	5.7	6.0	5.7	6.0
* CABO II (IS-PR 233)	6.9	5.5	5.7	6.4	5.9	6.0	5.5	6.0
* PLATEAU (PST-2LAN)	6.5	5.9	6.1	6.0	5.8	5.9	5.4	6.0
* TOP GUN II (JR-324)	6.7	4.7	5.7	6.7	5.9	6.3	5.8	5.9
* ASP6003 (TRS)	6.9	4.3	5.7	6.9	6.0	6.0	5.9	5.9
* ASP6006 (LPFG)	7.0	4.2	5.9	6.7	6.1	5.9	5.8	5.9
* DEFENDER (D04-UP)	6.4	5.6	5.9	6.4	5.7	6.0	5.5	5.9
* PINNACLE II	6.8	5.5	5.6	6.5	5.7	6.4	5.0	5.9
* NEXUS XD (SP4)	6.8	4.5	5.9	6.6	6.1	6.0	5.5	5.9
FOREVER (DP 17-9499)	6.2	4.3	6.1	6.8	5.9	6.5	5.8	5.9
* FIREBOLT (PRG HS-01-09)	6.9	4.6	5.7	6.6	5.5	6.2	6.0	5.9
* CADDIESHACK II (JR-163)	6.5	5.3	5.8	6.0	5.6	5.8	6.3	5.9
* CITATION FORE	6.4	6.2	6.0	6.1	5.4	5.9	5.3	5.9
* FUSION	6.6	5.0	6.2	6.5	5.8	6.1	5.3	5.9
* ACCENT II (JR-119)	6.2	5.3	5.9	6.4	5.7	5.8	6.0	5.9
* BACCARAT (RAD-PR8)	6.2	5.7	5.6	6.1	5.7	6.1	5.7	5.9
* MANHATTAN 5 GLR (PST-2AM)	6.3	6.5	6.0	6.1	5.5	5.1	5.3	5.9
PST-217	6.2	5.7	5.8	6.4	5.6	5.8	5.3	5.8
ES45	6.4	4.9	6.1	6.8	5.7	5.9	5.1	5.8
* HAWKEYE 2 (SRX 4692)	6.2	6.2	5.8	5.9	5.3	5.3	5.8	5.8
PST-2AG4	6.5	5.4	6.2	6.3	5.4	6.0	4.7	5.8
* ASP6001 (RTS)	6.4	4.6	5.3	6.9	5.9	5.8	5.5	5.8
* GRAY STAR (PST-2LGL)	6.4	5.3	5.7	6.1	5.6	6.0	5.5	5.8
* ASP6005 (AJM)	6.6	4.6	5.4	6.8	5.8	6.2	5.2	5.8
* DELAWARE XL (PICK 01-2)	6.5	4.5	5.9	6.7	5.4	6.2	5.3	5.8
* ASP6002 (BPR)	6.3	4.2	5.6	6.7	5.9	5.8	5.9	5.8
* PIZAZZ	6.4	3.3	5.8	6.4	5.8	6.3	6.1	5.7
E-99	6.3	4.6	6.0	6.4	5.6	5.8	5.3	5.7
* WAYFARER (L44)	6.2	4.3	5.5	6.4	5.9	6.0	5.6	5.7
* MONTEREY 3 (JR-408)	6.5	4.4	5.6	6.4	5.3	5.8	5.8	5.7
* SUNSHINE 2	6.5	4.0	5.2	6.5	5.6	6.5	5.6	5.7
GALATTI (DP 17-9502)	6.1	4.4	5.5	6.0	5.6	6.4	5.8	5.7
* INSPIRE	6.4	4.4	5.7	6.0	5.4	5.9	6.0	5.7
BAR LP 4420	6.4	4.8	5.4	6.5	5.1	6.0	5.6	5.7

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)" **/
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	MD1	NE1	RI1	SD1	UT1	MEAN
PST-2BLK	6.4	5.9	5.8	6.2	5.5	5.6	4.3	5.7
* RINGER II (04-BEN)	6.5	4.6	5.5	6.4	5.4	5.8	5.6	5.7
* PENTIUM	6.0	5.3	5.7	5.8	5.5	6.2	5.2	5.7
BAR LP 4317	6.3	5.6	5.8	5.8	5.3	5.8	5.0	5.7
D04-LP05	6.5	4.5	5.9	6.1	5.6	5.9	5.3	5.7
* LA QUINTA (JR-255)	6.6	4.4	5.5	6.2	5.3	5.9	5.6	5.7
PM 102	6.0	4.0	5.9	6.7	5.8	5.8	5.6	5.6
* HALO (KN42)	6.4	4.2	5.4	6.6	5.8	5.9	5.1	5.6
PIANIST (DP 17-9505)	6.1	4.4	6.0	6.2	5.4	6.0	5.4	5.6
DP 17-9788	5.7	5.5	5.8	6.0	5.4	5.4	5.6	5.6
* BREA (04-BRE)	6.1	4.9	5.4	6.2	5.2	5.8	5.7	5.6
* QUICKSILVER	6.3	4.2	5.4	6.2	5.5	6.0	5.4	5.6
* HEADSTART 2	6.5	4.1	5.4	6.3	5.6	5.9	5.1	5.5
* BRIGHTSTAR SLT	6.1	4.1	5.7	5.9	5.7	5.6	5.5	5.5
SRX 4682	6.0	5.8	5.5	5.6	5.4	5.2	5.2	5.5
PICK 02-R	6.7	3.3	4.5	6.7	5.7	6.1	5.8	5.5
* PREMIER II	6.1	4.4	5.2	6.0	5.2	6.1	5.6	5.5
* PACESETTER II (PS-2)	6.4	3.5	5.4	6.5	5.6	6.0	5.2	5.5
* BARLENNIUM	5.8	4.1	5.5	6.0	5.5	5.9	5.7	5.5
* GOALKEEPER II (JR-114)	6.3	4.2	5.1	6.1	5.4	6.0	5.1	5.5
* PALMER III	5.6	4.5	5.7	6.1	5.0	5.9	5.0	5.4
BAR LP 4920	5.7	2.9	4.4	6.2	5.3	6.0	5.3	5.1
PANTHER	5.7	3.0	5.0	5.8	5.0	6.2	4.9	5.1
* AFFINITY	4.6	4.6	4.9	5.0	4.8	5.3	4.6	4.8
LPR 02203	5.0	2.3	4.5	5.5	4.5	5.1	4.9	4.6
* PREMIER	4.6	4.1	4.7	4.9	4.5	4.5	4.1	4.5
* PINNACLE	3.8	3.8	4.2	4.5	4.1	4.1	4.4	4.1
* LINN	2.3	1.5	2.5	2.6	2.3	2.4	3.1	2.4
LSD VALUE	0.8	1.2	0.9	0.9	0.8	0.8	1.2	0.4
C.V. (%)	7.9	14.6	9.7	9.4	8.5	7.9	13.8	10.5

* COMMERCIALY AVAILABLE IN THE USA IN 2010.

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

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

**/ SCHEDULE A
 1/2 - 3/4 INCH MOWING HEIGHT
 1/2 - 3/4 lb. N/1000 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 ELEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	ME1	MI1	ND1	NJ1	OR1	PA1	VA1	WA1	WI1	MEAN
ZOOM (LCK)	6.5	6.6	6.8	6.2	4.4	6.5	6.5	7.7	5.8	5.7	6.4	6.4
UNO (D04-11T)	6.3	6.0	7.3	6.8	4.5	6.7	6.6	7.7	6.0	6.2	5.4	6.4
FIESTA 4 (PICK F4)	6.0	6.1	6.0	6.4	5.1	6.3	6.5	7.6	6.1	6.3	6.4	6.4
PARAGON GLR	6.4	6.1	6.8	6.7	5.1	5.9	6.5	7.2	6.3	6.0	6.2	6.4
HOMERUN (RG3P)	6.5	6.5	7.0	6.3	5.2	6.6	6.7	7.5	6.3	5.9	4.8	6.4
PALMER V (RNS)	6.4	6.3	6.3	6.6	4.9	6.4	6.5	7.6	5.7	5.8	5.7	6.3
PRIMARY (IS-PR 269)	6.2	6.4	6.9	6.4	4.8	6.4	6.3	7.0	6.1	5.8	6.3	6.3
KEYSTONE 2 (IS-PR 312)	6.5	6.4	6.8	6.5	5.1	6.4	6.3	7.3	6.0	5.8	5.7	6.3
PALACE (IS-PR 273)	6.6	6.0	6.8	6.2	3.6	6.4	6.4	7.8	6.0	6.2	5.7	6.3
REVENGE GLX (JR-348)	6.2	6.3	6.1	6.4	5.4	6.2	6.1	7.5	6.1	5.9	6.0	6.3
PALMER IV	6.5	5.7	6.6	6.2	5.6	6.1	6.4	7.4	5.9	6.2	6.1	6.3
ALLSTAR 3 (IS-PR 274)	6.0	5.9	6.7	6.4	3.9	6.8	6.5	7.4	5.8	5.9	6.1	6.3
DERBY XTREME (IS-PR 268)	6.4	6.2	6.7	6.5	4.1	6.5	6.6	7.5	6.0	5.9	5.2	6.3
TRANSFORMER (D04-1667)	6.6	6.3	6.4	5.8	5.3	6.0	6.4	7.2	5.9	6.0	6.1	6.3
SR 4600 (SRX 4SP)	5.9	6.1	6.8	6.5	4.9	6.4	6.3	6.4	6.0	6.3	6.6	6.3
KOKOMO II (IS-PR 235)	6.1	6.1	6.4	6.5	4.2	6.3	6.6	7.1	5.9	6.1	5.8	6.3
CHIVALRY (APR 1648)	6.6	6.6	6.1	6.0	4.2	5.3	6.3	7.2	5.8	6.3	6.4	6.3
REGAL 5 (IS-PR 271)	6.5	6.0	7.0	6.4	3.4	6.5	6.5	7.5	5.6	6.0	5.6	6.2
APPLE GL (AAZ-B104)	6.3	6.0	7.2	6.5	4.7	6.2	6.6	6.9	5.8	6.0	5.7	6.2
AMAZING GS (IS-PR 276)	6.4	5.8	6.8	6.3	4.7	6.7	6.3	7.5	5.8	6.1	5.1	6.2
PALMER GLS (GL-2)	6.3	6.2	6.9	6.3	4.8	6.2	6.2	7.2	5.8	6.1	5.6	6.2
ATTRIBUTE (IS-PR 270)	6.2	5.9	6.2	6.3	4.8	6.4	6.5	7.3	6.0	5.9	5.5	6.2
SOPRANO (DP1)	6.1	5.8	5.4	6.6	4.9	5.8	6.3	7.4	6.0	6.0	5.7	6.2
SILVER DOLLAR	6.5	6.5	5.3	5.8	4.5	6.1	6.2	7.1	6.1	6.0	5.6	6.2
OVERDRIVE	6.4	6.3	6.0	6.2	4.7	5.3	6.5	7.0	5.9	5.8	6.2	6.2
EXACTA II GLSR (LTP-611-GLSR)	6.3	5.5	6.8	6.5	4.4	6.1	6.5	7.2	5.9	6.1	5.2	6.2
PANTHER GLS	6.5	6.4	6.4	5.8	5.2	5.9	6.2	6.9	5.6	5.5	6.3	6.2
GRAND SLAM 2 (PST-2GSM)	6.2	6.1	5.3	5.9	4.2	6.3	6.0	6.8	6.2	5.8	6.4	6.1
STELLAR GL (IS-PR 236)	6.3	5.7	6.8	6.5	4.8	5.4	6.4	7.3	5.9	6.1	5.4	6.1
PROTOTYPE (DCM)	6.1	6.6	6.7	6.3	4.9	5.8	6.1	7.1	6.1	5.7	5.0	6.1
1G SQUARED (APR 1664)	6.2	5.7	6.7	6.4	5.3	5.9	5.9	7.0	5.8	6.0	5.8	6.1
PLEASURE SUPREME (PM 103)	6.0	5.9	6.3	6.2	4.4	5.6	6.1	7.3	5.8	6.4	5.7	6.1
PROTEGE GLR	6.2	5.5	7.2	6.5	4.8	5.6	6.5	6.9	5.8	6.1	5.4	6.1
NOTABLE (AF)	6.0	5.8	6.9	6.3	4.9	5.9	6.1	7.1	5.7	5.6	5.8	6.1
SECRETARIAT II GLSR (LTP-101-GLSR)	6.0	6.0	6.3	5.9	4.8	5.9	6.2	6.9	6.0	5.8	6.1	6.1
MANHATTAN 5 GLR (PST-2AM)	6.4	6.4	6.1	6.0	3.9	5.6	6.0	6.7	6.0	5.6	6.0	6.1
DASHER 3 (PICK RB-1)	5.9	5.6	6.0	6.5	4.6	6.2	6.4	6.9	5.8	5.9	5.5	6.0
FIJI (GPR)	6.0	5.9	6.3	6.0	5.0	5.0	6.5	7.5	5.6	6.1	5.9	6.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.2	6.0	6.6	5.9	4.9	5.9	6.2	6.4	6.1	5.7	6.0	6.0
MMW	6.4	5.8	6.0	6.2	4.8	5.9	6.2	7.0	6.0	6.0	5.1	6.0
LINE DRIVE GLS (APR 1797)	6.2	5.7	5.9	5.9	4.1	6.0	6.3	6.5	5.9	6.0	6.1	6.0
MACH I	6.7	5.4	6.4	6.3	5.4	4.8	6.3	7.1	5.2	6.2	6.3	6.0
HARRIER (SRX 4UP3)	6.1	5.4	6.3	6.2	4.9	5.9	6.1	6.7	6.0	5.7	6.2	6.0
CALYPSO 3 (MS2)	6.2	5.2	5.6	6.1	4.9	5.5	6.3	7.3	5.6	6.4	5.8	6.0
BUENA VISTA	6.3	6.0	7.0	6.2	4.4	5.5	6.4	6.8	5.9	5.9	5.2	6.0

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S. AND CANADA 1/
USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
2005-09 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	ME1	MI1	ND1	NJ1	OR1	PA1	VA1	WA1	WI1	MEAN
CUTTER II (PM 101)	6.6	5.6	6.1	6.5	4.2	4.7	6.5	7.3	5.5	6.3	5.5	6.0
MAJESTY II (VB77)	5.9	6.2	5.0	5.9	5.1	4.9	6.2	7.3	6.0	6.0	5.8	6.0
GRAY FOX (PST-2MNG)	5.8	6.4	6.0	5.6	4.2	5.7	6.1	6.9	6.0	5.7	6.0	6.0
ASP6004 (EXS54)	6.3	5.5	5.7	6.0	4.3	5.4	6.1	7.3	5.9	6.1	5.4	6.0
ASP6002 (BPR)	6.0	5.8	5.6	6.1	3.9	5.0	6.0	7.4	5.6	6.4	5.8	6.0
ASP6003 (TRS)	5.8	5.5	6.0	6.0	4.4	5.2	6.3	7.5	5.5	6.0	5.9	6.0
GRAY STAR (PST-2LGL)	6.1	5.9	6.4	5.8	4.4	5.4	6.1	6.8	5.6	6.3	5.8	6.0
BACCARAT (RAD-PR8)	6.3	6.6	6.1	6.0	4.6	5.2	5.9	6.7	5.7	5.7	5.7	6.0
PST-217	6.4	6.6	6.2	5.9	5.1	5.0	6.0	6.8	5.9	5.3	5.5	6.0
FUSION	6.5	5.3	6.9	6.1	4.6	5.7	6.2	6.8	5.8	5.9	5.3	5.9
TOP GUN II (JR-324)	6.3	6.1	5.4	6.0	3.9	4.7	5.9	7.2	6.0	5.7	5.7	5.9
EDGE II (AC2)	5.9	6.0	5.9	6.2	2.8	5.1	6.2	7.0	5.8	6.0	5.9	5.9
DEFENDER (D04-UP)	6.5	5.5	6.9	6.4	4.3	5.8	6.4	6.7	5.8	5.5	4.8	5.9
REPELL GLS	6.4	6.3	5.7	5.8	4.8	5.2	6.1	6.7	6.1	5.6	5.3	5.9
DART (APR 1663)	6.2	5.4	6.8	6.1	4.6	5.9	6.0	6.6	5.5	5.9	5.7	5.9
E-99	6.0	6.6	6.2	5.8	4.4	5.5	5.9	6.6	6.0	5.5	5.3	5.9
PST-2AG4	6.1	6.1	5.9	5.5	3.9	5.8	6.0	7.1	5.7	5.8	5.3	5.9
PLATEAU (PST-2LAN)	6.0	6.3	5.7	6.1	4.5	5.2	6.1	6.4	6.0	5.2	5.7	5.9
ASP6005 (AJM)	6.1	5.4	6.1	6.1	4.7	5.1	6.1	7.3	5.4	6.2	5.7	5.9
PINNACLE II	6.5	5.7	6.0	5.8	4.4	5.1	5.7	7.2	5.4	5.7	5.7	5.9
D04-LP05	5.8	5.5	5.9	5.7	4.7	4.4	6.2	6.8	6.0	6.1	6.4	5.9
CABO II (IS-PR 233)	6.0	6.1	6.4	6.2	3.6	5.1	6.5	6.8	5.6	6.4	4.4	5.9
CITATION FORE	6.3	5.8	6.2	5.7	5.1	5.1	6.0	6.6	6.1	5.6	5.4	5.9
TR47	6.2	5.6	5.8	5.8	4.4	4.7	6.2	7.2	5.5	6.3	5.2	5.8
PACESETTER II (PS-2)	6.1	5.6	5.9	5.6	3.9	4.5	6.2	7.0	5.8	5.9	6.1	5.8
PRESIDIO (CNV)	6.2	5.2	6.1	6.0	4.4	4.7	6.2	7.3	5.5	6.2	5.2	5.8
RINGER II (04-BEN)	6.1	5.7	6.3	5.7	4.5	5.0	6.2	6.4	5.8	5.4	5.9	5.8
FOREVER (DP 17-9499)	6.4	5.6	6.1	5.6	3.7	4.8	5.8	6.9	5.3	6.2	6.0	5.8
DELAWARE XL (PICK 01-2)	5.6	5.0	5.9	5.8	4.4	5.3	6.0	7.0	5.5	6.3	5.7	5.8
VB99	5.7	5.9	6.2	6.1	4.1	4.4	6.5	7.3	5.5	6.1	4.8	5.8
ES45	6.0	5.7	5.9	5.7	4.8	5.1	6.0	6.8	5.7	6.0	5.1	5.8
INSPIRE	6.3	6.0	5.7	5.6	4.7	4.8	6.0	7.0	5.8	5.4	5.1	5.8
LS 2300 (APR 1670)	6.2	6.0	6.9	5.5	4.2	5.7	6.0	5.9	6.0	5.4	5.3	5.8
PIZZAZZ	6.0	4.5	6.2	6.6	4.7	4.8	5.9	7.0	5.4	6.1	5.7	5.8
NEXUS XR (SNR)	6.3	5.5	5.4	5.8	4.0	4.6	6.0	7.4	5.5	6.0	4.8	5.7
ASP6006 (LPFG)	6.3	5.0	5.9	6.2	4.8	5.2	6.0	7.2	5.4	6.2	4.3	5.7
MONTEREY 3 (JR-408)	5.7	6.0	5.4	5.8	4.5	3.9	5.9	7.1	6.2	5.8	5.3	5.7
LA QUINTA (JR-255)	6.0	5.5	5.6	5.3	4.3	4.1	6.1	6.7	6.0	5.7	6.0	5.7
PENTIUM	6.3	5.6	5.9	5.4	4.7	5.0	5.9	6.6	5.8	5.4	5.5	5.7
QUICKSILVER	6.3	5.4	6.1	5.7	4.7	4.7	5.9	6.7	5.7	5.9	5.3	5.7
HAWKEYE 2 (SRX 4692)	5.8	6.1	5.9	5.1	3.8	6.0	5.7	6.6	5.6	5.7	4.9	5.7
GOALKEEPER II (JR-114)	5.7	6.1	5.2	5.8	4.8	4.1	5.9	6.5	5.9	5.6	5.7	5.7
PST-2BLK	6.1	5.8	5.1	5.4	3.9	5.4	5.9	6.3	5.7	5.5	5.5	5.7
BAR LP 4420	6.4	5.3	5.8	6.0	4.2	4.4	6.1	6.5	5.2	6.1	5.6	5.7
ACCENT II (JR-119)	5.8	5.4	5.6	5.8	5.2	4.9	5.8	6.5	5.8	5.4	5.8	5.7
ASP6001 (RTS)	5.7	5.8	5.8	5.4	4.4	4.7	5.9	7.0	5.6	6.0	5.3	5.7

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S. AND CANADA 1/
USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
2005-09 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	ME1	MI1	ND1	NJ1	OR1	PA1	VA1	WA1	WI1	MEAN
NEXUS XD (SP4)	6.1	5.6	5.6	5.8	4.6	4.7	6.1	7.2	5.3	6.1	4.4	5.7
FIREBOLT (PRG HS-01-09)	5.7	5.7	5.7	5.7	3.9	4.5	6.3	7.2	5.6	6.1	4.7	5.7
GALATTI (DP 17-9502)	5.7	5.4	6.1	5.9	4.6	4.9	6.1	6.9	5.2	6.0	5.2	5.7
WIND DANCE 2 (PWDR)	6.4	5.1	5.8	6.1	4.7	5.1	6.0	7.2	5.3	5.9	4.1	5.7
PM 102	5.8	5.4	5.4	5.9	3.5	4.3	6.2	6.6	5.3	6.4	5.7	5.7
BRIGHTSTAR SLT	5.8	6.0	6.6	5.9	5.0	4.4	5.8	6.4	5.8	5.2	5.4	5.7
CADDIESHACK II (JR-163)	5.3	6.3	6.0	5.5	4.3	4.0	6.1	6.7	5.9	5.2	5.8	5.7
SUNSHINE 2	5.6	5.0	6.1	5.7	4.7	3.8	6.4	6.8	5.8	6.3	5.6	5.7
BAR LP 4317	6.3	5.5	5.2	5.4	4.7	4.2	5.7	6.2	5.5	5.6	6.4	5.6
PHENOM (APR 1660)	6.0	5.5	5.8	5.6	4.7	5.2	6.0	6.5	5.9	5.7	4.5	5.6
BREA (04-BRE)	5.5	5.0	5.8	5.6	4.7	5.2	5.9	6.7	5.6	5.5	5.4	5.6
WAYFARER (L44)	5.6	5.5	5.6	5.7	4.4	4.6	6.2	6.9	5.3	5.9	4.8	5.6
HEADSTART 2	6.0	5.2	5.3	5.9	4.9	4.4	5.9	6.6	5.4	5.9	4.6	5.5
HALO (KN42)	5.8	5.0	5.6	5.5	3.6	4.4	6.2	7.0	5.6	6.4	4.0	5.5
BAR LP 4920	5.7	4.9	5.8	5.8	4.4	4.3	5.9	6.3	5.5	5.9	5.0	5.5
DP 17-9788	6.0	5.5	6.0	5.5	2.5	4.1	5.8	6.1	5.5	5.1	5.8	5.5
PICK 02-R	5.3	4.1	5.9	6.1	4.9	4.0	6.3	7.1	4.8	5.9	5.5	5.4
BARLENNIUM	5.7	5.6	6.2	5.4	4.0	4.2	5.9	5.9	5.9	5.4	5.1	5.4
PALMER III	5.6	5.3	5.9	5.4	3.7	4.2	5.7	6.4	5.6	5.3	5.1	5.4
SRX 4682	5.8	6.0	5.2	4.8	4.1	5.1	5.3	5.1	6.0	5.1	5.3	5.4
PREMIER II	5.6	5.7	6.4	5.3	3.6	4.0	5.8	6.2	5.5	5.1	5.1	5.4
PIANIST (DP 17-9505)	5.8	5.2	6.3	5.4	3.3	4.3	5.9	6.2	5.4	5.7	4.0	5.3
PANTHER	5.3	4.8	6.2	5.2	4.3	3.9	5.6	5.4	5.3	4.7	4.7	5.0
AFFINITY	5.3	4.8	5.2	4.8	4.6	3.8	5.5	5.2	5.1	4.3	4.3	4.8
PREMIER	5.0	4.5	5.1	4.5	3.7	3.9	5.7	4.8	5.4	4.2	4.6	4.7
LPR 02203	4.7	4.6	5.3	4.6	3.8	3.0	5.5	5.2	4.9	4.5	4.6	4.6
PINNACLE	5.0	4.4	5.4	4.5	3.6	3.4	5.6	4.1	5.0	4.2	4.2	4.5
LINN	3.2	1.7	4.3	3.0	2.2	1.0	4.5	2.0	3.1	2.4	2.9	2.7
LSD VALUE	0.9	1.0	1.2	0.8	1.1	1.1	0.5	0.7	0.8	0.7	2.0	0.3
C.V. (%)	9.3	10.6	12.7	8.6	16.0	13.0	5.3	6.3	8.4	7.7	23.9	11.2

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

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

*/ SCHEDULE B 1.0 - 2.0 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 SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE C (HOME LAWN)" */
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	MA1	MN1	MO1	NY1	OK1	QE1	MEAN
PALMER V (RNS)	6.7	6.0	5.1	6.5	4.4	3.7	6.6	5.5
CHIVALRY (APR 1648)	6.6	6.0	5.2	6.5	4.1	4.4	6.4	5.5
ALLSTAR 3 (IS-PR 274)	6.9	6.0	5.1	6.3	4.2	3.7	6.4	5.5
EXACTA II GLSR (LTP-611-GLSR)	6.4	5.6	5.4	6.4	4.3	4.1	6.4	5.4
HOMERUN (RG3P)	5.9	5.8	5.2	6.6	4.4	4.0	6.4	5.4
ZOOM (LCK)	6.1	6.1	5.2	6.2	4.4	3.5	6.6	5.4
SILVER DOLLAR	6.4	6.0	4.5	6.5	4.1	4.3	6.7	5.4
MMW	6.5	5.9	5.0	6.2	4.2	4.3	6.2	5.4
APPLE GL (AAZ-B104)	6.4	5.8	4.7	6.3	4.6	3.8	6.7	5.4
DERBY XTREME (IS-PR 268)	6.9	5.8	4.6	6.1	4.5	3.7	6.6	5.3
AMAZING GS (IS-PR 276)	6.6	5.7	5.1	6.1	4.5	3.7	6.2	5.3
TRANSFORMER (D04-1667)	6.4	5.9	4.4	6.4	4.3	4.4	6.2	5.3
MANHATTAN 5 GLR (PST-2AM)	6.3	5.8	4.6	6.1	4.5	4.2	6.2	5.3
WIND DANCE 2 (PWDR)	6.5	5.6	4.8	6.4	4.3	4.1	6.4	5.3
SR 4600 (SRX 4SP)	6.3	5.8	4.7	6.3	4.4	3.9	6.6	5.3
UNO (D04-11T)	6.4	5.7	4.4	6.4	4.6	4.0	6.5	5.3
MAJESTY II (VB77)	6.5	5.6	4.7	6.1	4.5	4.2	6.3	5.3
CUTTER II (PM 101)	6.2	5.7	4.9	6.2	4.3	3.9	6.6	5.3
LINE DRIVE GLS (APR 1797)	6.3	5.9	4.1	6.4	4.4	4.5	6.1	5.3
NOTABLE (AF)	6.8	5.4	4.4	6.5	4.2	4.2	6.3	5.3
REVENGE GLX (JR-348)	6.0	5.5	4.9	6.1	4.2	4.7	6.6	5.3
SECRETARIAT II GLSR (LTP-101-GLSR)	6.3	5.8	5.0	5.8	4.0	4.5	6.0	5.3
PANTHER GLS	6.0	5.6	4.9	6.4	4.7	3.6	5.9	5.3
PALMER GLS (GL-2)	6.2	5.7	4.6	6.3	4.5	4.1	6.4	5.3
VB99	6.2	5.7	4.8	6.2	4.4	3.7	6.4	5.3
PST-2AG4	6.6	5.4	4.6	6.2	4.4	4.3	6.0	5.3
KEYSTONE 2 (IS-PR 312)	6.4	5.7	4.8	6.3	4.3	3.7	6.2	5.3
TR47	6.5	5.7	4.8	5.9	4.3	4.1	6.1	5.3
FIJI (GPR)	6.6	5.8	4.3	6.5	4.2	3.9	6.0	5.3
ACCENT II (JR-119)	6.1	5.7	4.5	6.2	4.3	4.6	6.0	5.2
CITATION FORE	6.1	5.7	4.6	6.1	4.2	4.6	6.1	5.2
PLATEAU (PST-2LAN)	6.5	5.4	4.5	5.9	4.4	4.4	6.3	5.2
SOPRANO (DP1)	6.9	5.5	4.9	6.0	4.2	3.7	6.1	5.2
BAR LP 4317	6.4	5.6	4.4	6.0	4.2	4.5	6.3	5.2
REPELL GLS	6.4	5.6	4.3	6.0	4.6	4.1	6.2	5.2
DASHER 3 (PICK RB-1)	6.1	5.7	4.8	6.2	4.3	3.5	6.3	5.2
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	5.9	4.7	6.0	4.3	3.7	5.9	5.2
PENTIUM	6.2	5.6	4.2	6.4	4.3	3.9	6.0	5.2
BRIGHTSTAR SLT	6.3	5.4	4.4	6.0	4.5	4.3	6.0	5.2
REGAL 5 (IS-PR 271)	6.2	5.6	4.7	6.1	4.3	4.0	6.2	5.2
EDGE II (AC2)	6.3	5.6	4.6	6.4	4.0	3.6	6.3	5.2
PROTEGE GLR	6.3	5.6	4.8	6.0	4.5	3.3	6.3	5.2
ASP6006 (LPFG)	6.6	5.2	4.7	5.9	4.4	4.6	6.1	5.2
PROTOTYPE (DCM)	6.4	5.6	4.4	6.3	3.9	4.0	6.5	5.2
PRESIDIO (CNV)	6.0	5.5	5.1	6.2	4.2	3.3	6.4	5.2

TABLE 3. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE C (HOME LAWN)" */
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	MA1	MN1	MO1	NY1	OK1	QE1	MEAN
ES45	6.1	5.2	5.0	6.2	4.2	4.0	6.2	5.2
STELLAR GL (IS-PR 236)	6.1	5.6	4.7	6.3	4.2	3.7	6.0	5.2
GOALKEEPER II (JR-114)	6.3	5.3	4.6	6.0	4.4	4.1	6.0	5.2
GRAND SLAM 2 (PST-2GSM)	6.2	5.7	4.2	6.0	4.2	4.1	6.3	5.2
1G SQUARED (APR 1664)	6.1	5.7	4.7	5.7	4.4	3.8	6.7	5.1
TOP GUN II (JR-324)	6.2	5.7	4.6	5.8	4.3	4.1	5.7	5.1
GRAY FOX (PST-2MNG)	6.2	5.4	4.4	6.0	4.3	4.0	6.5	5.1
CADDIESHACK II (JR-163)	6.0	5.5	4.3	6.0	4.3	4.5	5.9	5.1
BACCARAT (RAD-PR8)	6.3	5.6	4.5	6.0	4.3	4.0	5.9	5.1
DART (APR 1663)	6.1	5.6	4.3	6.0	4.3	3.9	6.3	5.1
PIZZAZZ	6.1	5.2	5.0	5.9	4.2	4.3	5.9	5.1
ASP6004 (EXS54)	6.4	5.4	4.5	5.9	4.5	3.7	6.4	5.1
NEXUS XR (SNR)	6.4	5.4	4.7	6.2	4.1	3.8	5.8	5.1
BAR LP 4920	6.5	5.4	5.0	5.5	4.0	3.9	6.5	5.1
FIREBOLT (PRG HS-01-09)	5.8	5.5	4.2	6.6	4.3	3.9	6.0	5.1
BUENA VISTA	6.5	5.6	4.4	6.0	4.2	3.7	6.4	5.1
RINGER II (04-BEN)	6.0	5.6	4.2	5.9	4.3	4.5	5.7	5.1
PARAGON GLR	6.9	5.5	4.3	5.9	4.1	3.7	5.8	5.1
DELAWARE XL (PICK 01-2)	5.8	5.5	4.7	6.1	4.2	3.9	6.5	5.1
OVERDRIVE	5.9	5.6	4.5	6.2	4.4	3.4	6.3	5.1
FIESTA 4 (PICK F4)	5.9	5.9	4.2	5.9	4.3	3.8	6.7	5.1
PALMER IV	6.4	5.4	3.9	6.3	4.4	3.4	6.4	5.1
PRIMARY (IS-PR 269)	6.0	5.3	4.5	5.9	4.4	3.9	6.5	5.1
NEXUS XD (SP4)	6.3	5.5	4.4	5.9	4.3	3.8	6.4	5.1
HALO (KN42)	5.9	5.4	4.6	6.0	4.2	4.0	6.2	5.1
MACH I	6.1	5.4	4.7	5.8	4.3	3.3	6.6	5.1
BARLENNIUM	5.9	5.5	4.4	6.0	4.0	3.9	5.9	5.1
PST-217	6.0	5.6	4.5	5.9	4.3	3.7	6.0	5.1
CALYPSO 3 (MS2)	5.8	5.7	4.6	5.8	4.3	3.8	6.0	5.1
HARRIER (SRX 4UP3)	6.3	5.4	4.4	5.9	4.5	3.1	6.6	5.1
CABO II (IS-PR 233)	6.4	5.5	4.4	5.8	4.6	3.5	6.1	5.1
KOKOMO II (IS-PR 235)	6.1	5.4	4.3	6.0	4.3	3.8	6.2	5.1
PALACE (IS-PR 273)	6.3	5.5	4.3	6.1	4.1	3.7	6.2	5.1
ATTRIBUTE (IS-PR 270)	6.1	5.6	4.3	5.9	4.3	4.0	6.5	5.1
ASP6001 (RTS)	6.1	5.7	4.0	6.0	4.4	3.9	6.3	5.1
BREA (04-BRE)	6.2	5.4	4.3	6.1	4.2	3.6	6.3	5.1
FUSION	6.3	5.4	4.3	6.1	4.4	3.7	6.0	5.0
DEFENDER (D04-UP)	6.6	5.5	4.0	5.7	4.3	3.6	6.5	5.0
ASP6003 (TRS)	5.9	5.3	4.7	6.0	4.3	3.6	6.2	5.0
PREMIER II	6.1	5.6	4.2	6.0	4.3	3.7	5.8	5.0
MONTEREY 3 (JR-408)	6.4	5.4	3.8	6.3	4.3	3.9	5.6	5.0
QUICKSILVER	6.4	5.4	4.1	5.9	4.2	4.3	6.0	5.0
PST-2BLK	5.7	5.3	4.2	6.0	4.1	4.5	6.3	5.0
SRX 4682	6.0	5.6	4.1	5.8	4.2	4.5	5.7	5.0
ASP6002 (BPR)	6.1	5.2	4.5	6.0	4.3	3.7	5.8	5.0
DP 17-9788	6.3	5.5	4.3	5.6	4.1	4.0	6.0	5.0

TABLE 3. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE C (HOME LAWN)" */
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	MA1	MN1	MO1	NY1	OK1	QE1	MEAN
LS 2300 (APR 1670)	6.3	5.6	3.6	5.9	4.3	4.3	5.9	5.0
PHENOM (APR 1660)	6.2	5.5	3.8	6.0	4.3	3.7	6.6	5.0
E-99	6.1	5.7	3.9	5.8	4.3	4.0	6.1	5.0
INSPIRE	6.1	5.5	4.2	5.7	4.1	4.0	6.2	5.0
GRAY STAR (PST-2LGL)	6.2	5.5	4.2	5.7	4.4	3.5	6.3	5.0
HAWKEYE 2 (SRX 4692)	5.8	5.3	4.2	6.0	4.2	4.1	5.8	5.0
PACESETTER II (PS-2)	5.6	5.6	4.2	6.0	4.2	3.7	6.0	5.0
D04-LP05	6.1	5.4	4.0	5.7	4.1	4.3	6.5	4.9
ASP6005 (AJM)	5.6	5.6	4.0	5.7	4.5	3.8	6.0	4.9
LA QUINTA (JR-255)	6.1	5.2	4.2	5.7	4.3	3.7	6.3	4.9
WAYFARER (L44)	5.8	5.3	4.3	6.0	4.3	3.5	5.9	4.9
GALATTI (DP 17-9502)	5.7	5.1	4.4	5.9	4.3	3.6	6.3	4.9
PM 102	5.9	5.1	4.0	6.0	4.2	3.9	6.4	4.9
HEADSTART 2	5.8	5.1	4.6	5.8	4.2	3.5	5.9	4.9
PLEASURE SUPREME (PM 103)	6.0	5.3	4.2	5.8	4.3	3.4	6.3	4.9
PINNACLE II	6.1	5.2	4.1	5.8	4.1	3.9	6.5	4.9
FOREVER (DP 17-9499)	6.0	5.6	4.1	5.8	4.4	3.1	6.3	4.9
BAR LP 4420	5.4	5.3	4.4	5.7	4.2	3.8	5.9	4.8
SUNSHINE 2	5.4	5.0	4.3	5.7	4.2	3.6	6.2	4.8
PALMER III	5.5	5.4	4.1	5.6	4.0	3.7	5.7	4.8
PIANIST (DP 17-9505)	5.5	5.5	3.9	5.6	4.3	3.7	6.1	4.8
PANTHER	6.2	5.1	3.9	5.3	4.2	3.8	5.6	4.7
LPR 02203	6.1	4.9	3.6	5.3	4.2	4.3	5.6	4.7
PICK 02-R	5.4	4.7	4.6	5.6	4.0	3.3	6.0	4.7
PREMIER	5.8	5.4	3.3	4.7	3.9	3.9	5.6	4.5
AFFINITY	5.6	5.4	3.2	4.6	4.1	3.8	5.4	4.5
PINNACLE	5.6	4.9	2.8	5.1	3.9	3.9	5.2	4.4
LINN	4.9	2.8	1.1	3.3	3.5	3.1	4.5	3.0
LSD VALUE	0.9	0.6	1.0	0.9	0.6	1.1	0.6	0.4
C.V. (%)	9.3	7.3	15.6	9.3	8.7	18.3	6.0	10.6

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

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

*/ 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 FUNGICIDES
 NO INSECTICIDES
 WEED CONTROL APPLIED AS NEEDED TO PREVENT STAND LOSS

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT SEVEN LOCATIONS 1/
 IN THE NORTHEAST REGION
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	ME1	NJ1	NY1	PA1	QE1	RI1	MEAN
UNO (D04-11T)	5.7	7.3	6.7	4.6	7.7	6.5	6.3	6.3
ZOOM (LCK)	6.1	6.8	6.5	4.4	7.7	6.6	6.1	6.3
ALLSTAR 3 (IS-PR 274)	6.0	6.7	6.8	4.2	7.4	6.4	6.4	6.3
HOMERUN (RG3P)	5.8	7.0	6.6	4.4	7.5	6.4	6.2	6.2
DERBY XTREME (IS-PR 268)	5.8	6.7	6.5	4.5	7.5	6.6	6.1	6.2
AMAZING GS (IS-PR 276)	5.7	6.8	6.7	4.5	7.5	6.2	6.1	6.2
FIESTA 4 (PICK F4)	5.9	6.0	6.3	4.3	7.6	6.7	6.2	6.2
PALMER V (RNS)	6.0	6.3	6.4	4.4	7.6	6.6	5.9	6.1
REVENGE GLX (JR-348)	5.5	6.1	6.2	4.2	7.5	6.6	6.4	6.1
PALACE (IS-PR 273)	5.5	6.8	6.4	4.1	7.8	6.2	6.1	6.1
REGAL 5 (IS-PR 271)	5.6	7.0	6.5	4.3	7.5	6.2	6.3	6.1
KEYSTONE 2 (IS-PR 312)	5.7	6.8	6.4	4.3	7.3	6.2	6.1	6.0
ATTRIBUTE (IS-PR 270)	5.6	6.2	6.4	4.3	7.3	6.5	6.2	6.0
APPLE GL (AAZ-B104)	5.8	7.2	6.2	4.6	6.9	6.7	5.9	6.0
PALMER IV	5.4	6.6	6.1	4.4	7.4	6.4	6.0	6.0
EXACTA II GLSR (LTP-611-GLSR)	5.6	6.8	6.1	4.3	7.2	6.4	6.1	6.0
KOKOMO II (IS-PR 235)	5.4	6.4	6.3	4.3	7.1	6.2	6.1	6.0
PALMER GLS (GL-2)	5.7	6.9	6.2	4.5	7.2	6.4	5.6	5.9
TRANSFORMER (D04-1667)	5.9	6.4	6.0	4.3	7.2	6.2	5.8	5.9
DASHER 3 (PICK RB-1)	5.7	6.0	6.2	4.3	6.9	6.3	6.1	5.9
SILVER DOLLAR	6.0	5.3	6.1	4.1	7.1	6.7	5.8	5.9
MMW	5.9	6.0	5.9	4.2	7.0	6.2	6.2	5.9
1G SQUARED (APR 1664)	5.7	6.7	5.9	4.4	7.0	6.7	5.8	5.9
SR 4600 (SRX 4SP)	5.8	6.8	6.4	4.4	6.4	6.6	5.9	5.9
PRIMARY (IS-PR 269)	5.3	6.9	6.4	4.4	7.0	6.5	5.7	5.9
GRAND SLAM 2 (PST-2GSM)	5.7	5.3	6.3	4.2	6.8	6.3	5.8	5.9
PROTEGE GLR	5.6	7.2	5.6	4.5	6.9	6.3	6.2	5.9
SOPRANO (DP1)	5.5	5.4	5.8	4.2	7.4	6.1	6.0	5.8
CALYPSO 3 (MS2)	5.7	5.6	5.5	4.3	7.3	6.0	6.2	5.8
NOTABLE (AF)	5.4	6.9	5.9	4.2	7.1	6.3	6.0	5.8
PANTHER GLS	5.6	6.4	5.9	4.7	6.9	5.9	5.8	5.8
ASP6004 (EXS54)	5.4	5.7	5.4	4.5	7.3	6.4	6.2	5.8
PROTOTYPE (DCM)	5.6	6.7	5.8	3.9	7.1	6.5	6.0	5.8
PARAGON GLR	5.5	6.8	5.9	4.1	7.2	5.8	6.0	5.8
CHIVALRY (APR 1648)	6.0	6.1	5.3	4.1	7.2	6.4	5.8	5.8
ASP6003 (TRS)	5.3	6.0	5.2	4.3	7.5	6.2	6.0	5.8
STELLAR GL (IS-PR 236)	5.6	6.8	5.4	4.2	7.3	6.0	5.9	5.8
FIJI (GPR)	5.8	6.3	5.0	4.2	7.5	6.0	5.8	5.8
WIND DANCE 2 (PWDR)	5.6	5.8	5.1	4.3	7.2	6.4	6.2	5.8
HARRIER (SRX 4UP3)	5.4	6.3	5.9	4.5	6.7	6.6	5.8	5.8
LINE DRIVE GLS (APR 1797)	5.9	5.9	6.0	4.4	6.5	6.1	5.7	5.8
PLEASURE SUPREME (PM 103)	5.3	6.3	5.6	4.3	7.3	6.3	5.8	5.8
CUTTER II (PM 101)	5.7	6.1	4.7	4.3	7.3	6.6	6.0	5.7
DART (APR 1663)	5.6	6.8	5.9	4.3	6.6	6.3	5.6	5.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.9	6.6	5.9	4.3	6.4	5.9	5.8	5.7

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT SEVEN LOCATIONS 1/
 IN THE NORTHEAST REGION
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	ME1	NJ1	NY1	PA1	QE1	RI1	MEAN
ASP6005 (AJM)	5.6	6.1	5.1	4.5	7.3	6.0	5.8	5.7
SECRETARIAT II GLSR (LTP-101-GLSR)	5.8	6.3	5.9	4.0	6.9	6.0	5.6	5.7
DEFENDER (D04-UP)	5.5	6.9	5.8	4.3	6.7	6.5	5.7	5.7
MAJESTY II (VB77)	5.6	5.0	4.9	4.5	7.3	6.3	6.0	5.7
PST-2AG4	5.4	5.9	5.8	4.4	7.1	6.0	5.4	5.7
ASP6006 (LPFG)	5.2	5.9	5.2	4.4	7.2	6.1	6.1	5.7
MANHATTAN 5 GLR (PST-2AM)	5.8	6.1	5.6	4.5	6.7	6.2	5.5	5.7
TR47	5.7	5.8	4.7	4.3	7.2	6.1	6.1	5.7
GRAY FOX (PST-2MNG)	5.4	6.0	5.7	4.3	6.9	6.5	5.7	5.7
OVERDRIVE	5.6	6.0	5.3	4.4	7.0	6.3	5.7	5.7
FUSION	5.4	6.9	5.7	4.4	6.8	6.0	5.8	5.7
BUENA VISTA	5.6	7.0	5.5	4.2	6.8	6.4	5.7	5.7
NEXUS XD (SP4)	5.5	5.6	4.7	4.3	7.2	6.4	6.1	5.7
EDGE II (AC2)	5.6	5.9	5.1	4.0	7.0	6.3	6.1	5.7
PRESIDIO (CNV)	5.5	6.1	4.7	4.2	7.3	6.4	6.0	5.7
ASP6001 (RTS)	5.7	5.8	4.7	4.4	7.0	6.3	5.9	5.7
E-99	5.7	6.2	5.5	4.3	6.6	6.1	5.6	5.6
TOP GUN II (JR-324)	5.7	5.4	4.7	4.3	7.2	5.7	5.9	5.6
VB99	5.7	6.2	4.4	4.4	7.3	6.4	5.9	5.6
GRAY STAR (PST-2LGL)	5.5	6.4	5.4	4.4	6.8	6.3	5.6	5.6
MACH I	5.4	6.4	4.8	4.3	7.1	6.6	5.9	5.6
REPELL GLS	5.6	5.7	5.2	4.6	6.7	6.2	5.7	5.6
CABO II (IS-PR 233)	5.5	6.4	5.1	4.6	6.8	6.1	5.9	5.6
FOREVER (DP 17-9499)	5.6	6.1	4.8	4.4	6.9	6.3	5.9	5.6
ASP6002 (BPR)	5.2	5.6	5.0	4.3	7.4	5.8	5.9	5.6
BACCARAT (RAD-PR8)	5.6	6.1	5.2	4.3	6.7	5.9	5.7	5.6
DELAWARE XL (PICK 01-2)	5.5	5.9	5.3	4.2	7.0	6.5	5.4	5.6
PINNACLE II	5.2	6.0	5.1	4.1	7.2	6.5	5.7	5.6
PST-217	5.6	6.2	5.0	4.3	6.8	6.0	5.6	5.6
PLATEAU (PST-2LAN)	5.4	5.7	5.2	4.4	6.4	6.3	5.8	5.5
HAWKEYE 2 (SRX 4692)	5.3	5.9	6.0	4.2	6.6	5.8	5.3	5.5
PENTIUM	5.6	5.9	5.0	4.3	6.6	6.0	5.5	5.5
ACCENT II (JR-119)	5.7	5.6	4.9	4.3	6.5	6.0	5.7	5.5
CITATION FORE	5.7	6.2	5.1	4.2	6.6	6.1	5.4	5.5
NEXUS XR (SNR)	5.4	5.4	4.6	4.1	7.4	5.8	5.7	5.5
LS 2300 (APR 1670)	5.6	6.9	5.7	4.3	5.9	5.9	5.6	5.5
FIREBOLT (PRG HS-01-09)	5.5	5.7	4.5	4.3	7.2	6.0	5.5	5.5
ES45	5.2	5.9	5.1	4.2	6.8	6.2	5.7	5.5
INSPIRE	5.5	5.7	4.8	4.1	7.0	6.2	5.4	5.5
WAYFARER (L44)	5.3	5.6	4.6	4.3	6.9	5.9	5.9	5.5
PIZZAZZ	5.2	6.2	4.8	4.2	7.0	5.9	5.8	5.5
GALATTI (DP 17-9502)	5.1	6.1	4.9	4.3	6.9	6.3	5.6	5.5
PACESETTER II (PS-2)	5.6	5.9	4.5	4.2	7.0	6.0	5.6	5.5
HALO (KN42)	5.4	5.6	4.4	4.2	7.0	6.2	5.8	5.5
PHENOM (APR 1660)	5.5	5.8	5.2	4.3	6.5	6.6	5.3	5.5
PST-2BLK	5.3	5.1	5.4	4.1	6.3	6.3	5.5	5.5

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT SEVEN LOCATIONS 1/
 IN THE NORTHEAST REGION
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	ME1	NJ1	NY1	PA1	QE1	RI1	MEAN
BREA (04-BRE)	5.4	5.8	5.2	4.2	6.7	6.3	5.2	5.4
BRIGHTSTAR SLT	5.4	6.6	4.4	4.5	6.4	6.0	5.7	5.4
QUICKSILVER	5.4	6.1	4.7	4.2	6.7	6.0	5.5	5.4
RINGER II (04-BEN)	5.6	6.3	5.0	4.3	6.4	5.7	5.4	5.4
D04-LP05	5.4	5.9	4.4	4.1	6.8	6.5	5.6	5.4
CADDIESHACK II (JR-163)	5.5	6.0	4.0	4.3	6.7	5.9	5.6	5.3
PM 102	5.1	5.4	4.3	4.2	6.6	6.4	5.8	5.3
HEADSTART 2	5.1	5.3	4.4	4.2	6.6	5.9	5.6	5.3
LA QUINTA (JR-255)	5.2	5.6	4.1	4.3	6.7	6.3	5.3	5.3
MONTEREY 3 (JR-408)	5.4	5.4	3.9	4.3	7.1	5.6	5.3	5.3
PIANIST (DP 17-9505)	5.5	6.3	4.3	4.3	6.2	6.1	5.4	5.3
PICK 02-R	4.7	5.9	4.0	4.0	7.1	6.0	5.7	5.2
GOALKEEPER II (JR-114)	5.3	5.2	4.1	4.4	6.5	6.0	5.4	5.2
SUNSHINE 2	5.0	6.1	3.8	4.2	6.8	6.2	5.6	5.2
BAR LP 4317	5.6	5.2	4.2	4.2	6.2	6.3	5.3	5.2
BAR LP 4420	5.3	5.8	4.4	4.2	6.5	5.9	5.1	5.2
BAR LP 4920	5.4	5.8	4.3	4.0	6.3	6.5	5.3	5.2
PREMIER II	5.6	6.4	4.0	4.3	6.2	5.8	5.2	5.2
BARLENNIUM	5.5	6.2	4.2	4.0	5.9	5.9	5.5	5.1
DP 17-9788	5.5	6.0	4.1	4.1	6.1	6.0	5.4	5.1
SRX 4682	5.6	5.2	5.1	4.2	5.1	5.7	5.4	5.1
PALMER III	5.4	5.9	4.2	4.0	6.4	5.7	5.0	5.1
PANTHER	5.1	6.2	3.9	4.2	5.4	5.6	5.0	4.8
AFFINITY	5.4	5.2	3.8	4.1	5.2	5.4	4.8	4.7
PREMIER	5.4	5.1	3.9	3.9	4.8	5.6	4.5	4.6
LPR 02203	4.9	5.3	3.0	4.2	5.2	5.6	4.5	4.5
PINNACLE	4.9	5.4	3.4	3.9	4.1	5.2	4.1	4.2
LINN	2.8	4.3	1.0	3.5	2.0	4.5	2.3	2.4
LSD VALUE	0.6	1.2	1.1	0.6	0.7	0.6	0.8	0.4
C.V. (%)	7.3	12.7	13.0	8.7	6.3	6.0	8.5	9.0

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 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT FIVE LOCATIONS 1/
 IN THE TRANSITION REGION
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MD1	MO1	OK1	VA1	MEAN
HOMERUN (RG3P)	6.5	6.6	6.5	6.6	4.0	6.3	6.2
SILVER DOLLAR	6.5	6.6	6.1	6.5	4.3	6.1	6.2
TRANSFORMER (D04-1667)	6.3	6.8	6.2	6.4	4.4	5.9	6.1
APPLE GL (AAZ-B104)	6.0	7.2	6.5	6.3	3.8	5.8	6.1
PALMER V (RNS)	6.3	6.5	6.6	6.5	3.7	5.7	6.1
PANTHER GLS	6.4	6.9	6.2	6.4	3.6	5.6	6.1
ALLSTAR 3 (IS-PR 274)	5.9	7.0	6.4	6.3	3.7	5.8	6.1
PARAGON GLR	6.1	6.6	6.5	5.9	3.7	6.3	6.0
SOPRANO (DP1)	5.8	7.1	6.6	6.0	3.7	6.0	6.0
DERBY XTREME (IS-PR 268)	6.2	6.4	6.8	6.1	3.7	6.0	6.0
SR 4600 (SRX 4SP)	6.1	6.8	6.2	6.3	3.9	6.0	6.0
REVENGE GLX (JR-348)	6.3	6.0	6.4	6.1	4.7	6.1	6.0
GRAND SLAM 2 (PST-2GSM)	6.1	6.6	6.2	6.0	4.1	6.2	6.0
EXACTA II GLSR (LTP-611-GLSR)	5.5	6.9	6.4	6.4	4.1	5.9	6.0
PROTOTYPE (DCM)	6.6	6.0	6.1	6.3	4.0	6.1	6.0
MANHATTAN 5 GLR (PST-2AM)	6.4	6.5	6.0	6.1	4.2	6.0	6.0
NOTABLE (AF)	5.8	6.8	6.2	6.5	4.2	5.7	6.0
LINE DRIVE GLS (APR 1797)	5.7	6.8	6.1	6.4	4.5	5.9	6.0
UNO (D04-11T)	6.0	6.0	6.6	6.4	4.0	6.0	6.0
GRAY FOX (PST-2MNG)	6.4	6.5	6.1	6.0	4.0	6.0	6.0
KEYSTONE 2 (IS-PR 312)	6.4	6.4	6.1	6.3	3.7	6.0	6.0
FIESTA 4 (PICK F4)	6.1	6.5	6.5	5.9	3.8	6.1	6.0
MMW	5.8	6.4	6.4	6.2	4.3	6.0	6.0
PALMER GLS (GL-2)	6.2	6.1	6.4	6.3	4.1	5.8	6.0
PRIMARY (IS-PR 269)	6.4	6.3	6.2	5.9	3.9	6.1	6.0
LS 2300 (APR 1670)	6.0	6.6	6.1	5.9	4.3	6.0	5.9
PLATEAU (PST-2LAN)	6.3	5.9	6.1	5.9	4.4	6.0	5.9
CITATION FORE	5.8	6.2	6.0	6.1	4.6	6.1	5.9
ATTRIBUTE (IS-PR 270)	5.9	6.4	6.4	5.9	4.0	6.0	5.9
REPELL GLS	6.3	5.9	6.1	6.0	4.1	6.1	5.9
SECRETARIAT II GLSR (LTP-101-GLSR)	6.0	6.6	5.7	5.8	4.5	6.0	5.9
ZOOM (LCK)	6.6	6.2	5.9	6.2	3.5	5.8	5.9
AMAZING GS (IS-PR 276)	5.8	6.7	6.2	6.1	3.7	5.8	5.9
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	6.4	6.0	6.0	3.7	6.1	5.9
DASHER 3 (PICK RB-1)	5.6	6.5	6.5	6.2	3.5	5.8	5.8
HARRIER (SRX 4UP3)	5.4	7.0	6.4	5.9	3.1	6.0	5.8
OVERDRIVE	6.3	6.1	5.8	6.2	3.4	5.9	5.8
PALMER IV	5.7	6.3	6.1	6.3	3.4	5.9	5.8
PALACE (IS-PR 273)	6.0	5.6	6.5	6.1	3.7	6.0	5.8
PHENOM (APR 1660)	5.5	6.3	6.5	6.0	3.7	5.9	5.8
KOKOMO II (IS-PR 235)	6.1	6.0	5.9	6.0	3.8	5.9	5.8
STELLAR GL (IS-PR 236)	5.7	6.1	6.1	6.3	3.7	5.9	5.8
HAWKEYE 2 (SRX 4692)	6.1	6.2	5.8	6.0	4.1	5.6	5.8
PST-217	6.6	5.7	5.8	5.9	3.7	5.9	5.8
PST-2AG4	6.1	5.4	6.2	6.2	4.3	5.7	5.8

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT FIVE LOCATIONS 1/
 IN THE TRANSITION REGION
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MD1	M01	OK1	VA1	MEAN
BUENA VISTA	6.0	5.7	6.3	6.0	3.7	5.9	5.8
CADDIESHACK II (JR-163)	6.3	5.3	5.8	6.0	4.5	5.9	5.8
REGAL 5 (IS-PR 271)	6.0	5.7	6.4	6.1	4.0	5.6	5.8
BACCARAT (RAD-PR8)	6.6	5.7	5.6	6.0	4.0	5.7	5.7
1G SQUARED (APR 1664)	5.7	6.4	6.0	5.7	3.8	5.8	5.7
PST-2BLK	5.8	5.9	5.8	6.0	4.5	5.7	5.7
CHIVALRY (APR 1648)	6.6	4.7	5.7	6.5	4.4	5.8	5.7
MAJESTY II (VB77)	6.2	5.2	5.7	6.1	4.2	6.0	5.7
SRX 4682	6.0	5.8	5.5	5.8	4.5	6.0	5.7
PROTEGE GLR	5.5	5.9	6.4	6.0	3.3	5.8	5.7
EDGE II (AC2)	6.0	5.5	5.8	6.4	3.6	5.8	5.7
E-99	6.6	4.6	6.0	5.8	4.0	6.0	5.6
ACCENT II (JR-119)	5.4	5.3	5.9	6.2	4.6	5.8	5.6
DART (APR 1663)	5.4	6.0	6.1	6.0	3.9	5.5	5.6
PENTIUM	5.6	5.3	5.7	6.4	3.9	5.8	5.6
FIJI (GPR)	5.9	4.9	5.8	6.5	3.9	5.6	5.6
BAR LP 4317	5.5	5.6	5.8	6.0	4.5	5.5	5.6
ES45	5.7	4.9	6.1	6.2	4.0	5.7	5.5
TOP GUN II (JR-324)	6.1	4.7	5.7	5.8	4.1	6.0	5.5
MONTEREY 3 (JR-408)	6.0	4.4	5.6	6.3	3.9	6.2	5.5
ASP6004 (EXS54)	5.5	5.4	6.0	5.9	3.7	5.9	5.5
PLEASURE SUPREME (PM 103)	5.9	5.1	6.1	5.8	3.4	5.8	5.5
CABO II (IS-PR 233)	6.1	5.5	5.7	5.8	3.5	5.6	5.5
DEFENDER (D04-UP)	5.5	5.6	5.9	5.7	3.6	5.8	5.5
FUSION	5.3	5.0	6.2	6.1	3.7	5.8	5.5
FIREBOLT (PRG HS-01-09)	5.7	4.6	5.7	6.6	3.9	5.6	5.5
GRAY STAR (PST-2LGL)	5.9	5.3	5.7	5.7	3.5	5.6	5.4
PINNACLE II	5.7	5.5	5.6	5.8	3.9	5.4	5.4
CUTTER II (PM 101)	5.6	4.7	5.9	6.2	3.9	5.5	5.4
VB99	5.9	4.8	5.7	6.2	3.7	5.5	5.4
NEXUS XR (SNR)	5.5	5.0	5.9	6.2	3.8	5.5	5.4
DP 17-9788	5.5	5.5	5.8	5.6	4.0	5.5	5.4
TR47	5.6	4.9	5.9	5.9	4.1	5.5	5.4
BRIGHTSTAR SLT	6.0	4.1	5.7	6.0	4.3	5.8	5.4
RINGER II (04-BEN)	5.7	4.6	5.5	5.9	4.5	5.8	5.4
WIND DANCE 2 (PWDR)	5.1	4.9	6.0	6.4	4.1	5.3	5.4
D04-LP05	5.5	4.5	5.9	5.7	4.3	6.0	5.4
INSPIRE	6.0	4.4	5.7	5.7	4.0	5.8	5.4
GOALKEEPER II (JR-114)	6.1	4.2	5.1	6.0	4.1	5.9	5.4
CALYPSO 3 (MS2)	5.2	4.8	6.0	5.8	3.8	5.6	5.3
PRESIDIO (CNV)	5.2	5.0	5.9	6.2	3.3	5.5	5.3
ASP6001 (RTS)	5.8	4.6	5.3	6.0	3.9	5.6	5.3
ASP6002 (BPR)	5.8	4.2	5.6	6.0	3.7	5.6	5.3
LA QUINTA (JR-255)	5.5	4.4	5.5	5.7	3.7	6.0	5.3
NEXUS XD (SP4)	5.6	4.5	5.9	5.9	3.8	5.3	5.3
DELAWARE XL (PICK 01-2)	5.0	4.5	5.9	6.1	3.9	5.5	5.3

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT FIVE LOCATIONS 1/
 IN THE TRANSITION REGION
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MD1	MO1	OK1	VA1	MEAN
BARLENNIUM	5.6	4.1	5.5	6.0	3.9	5.9	5.2
BREA (04-BRE)	5.0	4.9	5.4	6.1	3.6	5.6	5.2
ASP6003 (TRS)	5.5	4.3	5.7	6.0	3.6	5.5	5.2
ASP6006 (LPFG)	5.0	4.2	5.9	5.9	4.6	5.4	5.2
FOREVER (DP 17-9499)	5.6	4.3	6.1	5.8	3.1	5.3	5.2
QUICKSILVER	5.4	4.2	5.4	5.9	4.3	5.7	5.2
PALMER III	5.3	4.5	5.7	5.6	3.7	5.6	5.2
PM 102	5.4	4.0	5.9	6.0	3.9	5.3	5.2
PREMIER II	5.7	4.4	5.2	6.0	3.7	5.5	5.2
ASP6005 (AJM)	5.4	4.6	5.4	5.7	3.8	5.4	5.2
PIANIST (DP 17-9505)	5.2	4.4	6.0	5.6	3.7	5.4	5.1
BAR LP 4420	5.3	4.8	5.4	5.7	3.8	5.2	5.1
HALO (KN42)	5.0	4.2	5.4	6.0	4.0	5.6	5.1
WAYFARER (L44)	5.5	4.3	5.5	6.0	3.5	5.3	5.1
GALATTI (DP 17-9502)	5.4	4.4	5.5	5.9	3.6	5.2	5.1
MACH I	5.4	4.8	5.3	5.8	3.3	5.2	5.1
PACESETTER II (PS-2)	5.6	3.5	5.4	6.0	3.7	5.8	5.1
HEADSTART 2	5.2	4.1	5.4	5.8	3.5	5.4	5.0
SUNSHINE 2	5.0	4.0	5.2	5.7	3.6	5.8	5.0
PIZZAZZ	4.5	3.3	5.8	5.9	4.3	5.4	4.9
AFFINITY	4.8	4.6	4.9	4.6	3.8	5.1	4.7
PANTHER	4.8	3.0	5.0	5.3	3.8	5.3	4.6
BAR LP 4920	4.9	2.9	4.4	5.5	3.9	5.5	4.6
PREMIER	4.5	4.1	4.7	4.7	3.9	5.4	4.6
PINNACLE	4.4	3.8	4.2	5.1	3.9	5.0	4.4
LPR 02203	4.6	2.3	4.5	5.3	4.3	4.9	4.4
PICK 02-R	4.1	3.3	4.5	5.6	3.3	4.8	4.3
LINN	1.7	1.5	2.5	3.3	3.1	3.1	2.5
LSD VALUE	1.0	1.2	0.9	0.9	1.1	0.8	0.4
C.V. (%)	10.6	14.6	9.7	9.3	18.3	8.4	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 6.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT NINE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2005-09 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	MI1	MN1	ND1	NE1	SD1	WI1	MEAN
CHIVALRY (APR 1648)	6.6	6.6	6.4	6.0	5.2	4.2	6.9	6.6	6.4	6.3
ZOOM (LCK)	6.1	6.5	7.1	6.2	5.2	4.4	6.6	6.5	6.4	6.3
PARAGON GLR	6.9	6.4	6.7	6.7	4.3	5.1	6.9	6.5	6.2	6.3
MACH I	6.1	6.7	6.7	6.3	4.7	5.4	7.1	6.2	6.3	6.2
SOPRANO (DP1)	6.9	6.1	6.8	6.6	4.9	4.9	6.8	6.3	5.7	6.2
CUTTER II (PM 101)	6.2	6.6	7.3	6.5	4.9	4.2	7.2	6.2	5.5	6.2
ALLSTAR 3 (IS-PR 274)	6.9	6.0	6.9	6.4	5.1	3.9	6.8	6.2	6.1	6.2
PALMER V (RNS)	6.7	6.4	6.8	6.6	5.1	4.9	6.6	6.1	5.7	6.2
REVENGE GLX (JR-348)	6.0	6.2	7.2	6.4	4.9	5.4	6.7	6.2	6.0	6.2
EXACTA II GLSR (LTP-611-GLSR)	6.4	6.3	6.8	6.5	5.4	4.4	6.9	6.3	5.2	6.2
KEYSTONE 2 (IS-PR 312)	6.4	6.5	6.9	6.5	4.8	5.1	6.3	6.5	5.7	6.1
DERBY XTREME (IS-PR 268)	6.9	6.4	6.7	6.5	4.6	4.1	6.9	6.3	5.2	6.1
UNO (D04-11T)	6.4	6.3	6.8	6.8	4.4	4.5	6.9	6.3	5.4	6.1
FIESTA 4 (PICK F4)	5.9	6.0	7.0	6.4	4.2	5.1	6.8	6.4	6.4	6.1
PRIMARY (IS-PR 269)	6.0	6.2	6.8	6.4	4.5	4.8	6.4	6.4	6.3	6.1
KOKOMO II (IS-PR 235)	6.1	6.1	7.2	6.5	4.3	4.2	6.7	5.9	5.8	6.0
PALMER GLS (GL-2)	6.2	6.3	6.9	6.3	4.6	4.8	6.7	6.3	5.6	6.0
ASP6004 (EXS54)	6.4	6.3	7.2	6.0	4.5	4.3	6.8	6.4	5.4	6.0
AMAZING GS (IS-PR 276)	6.6	6.4	6.8	6.3	5.1	4.7	6.4	6.2	5.1	6.0
SR 4600 (SRX 4SP)	6.3	5.9	6.4	6.5	4.7	4.9	6.3	5.9	6.6	6.0
TRANSFORMER (D04-1667)	6.4	6.6	6.5	5.8	4.4	5.3	6.5	6.1	6.1	6.0
SILVER DOLLAR	6.4	6.5	6.9	5.8	4.5	4.5	6.9	6.2	5.6	6.0
PIZZAZZ	6.1	6.0	6.4	6.6	5.0	4.7	6.4	6.3	5.7	6.0
MAJESTY II (VB77)	6.5	5.9	7.0	5.9	4.7	5.1	7.0	6.0	5.8	6.0
PALMER IV	6.4	6.5	6.8	6.2	3.9	5.6	6.7	5.7	6.1	6.0
PANTHER GLS	6.0	6.5	6.4	5.8	4.9	5.2	6.4	6.2	6.3	6.0
MMW	6.5	6.4	6.8	6.2	5.0	4.8	6.8	5.9	5.1	6.0
PALACE (IS-PR 273)	6.3	6.6	7.1	6.2	4.3	3.6	6.7	6.1	5.7	6.0
HOMERUN (RG3P)	5.9	6.5	7.0	6.3	5.2	5.2	6.6	6.1	4.8	6.0
OVERDRIVE	5.9	6.4	6.5	6.2	4.5	4.7	6.7	6.2	6.2	6.0
TR47	6.5	6.2	6.9	5.8	4.8	4.4	7.2	6.0	5.2	6.0
NOTABLE (AF)	6.8	6.0	6.7	6.3	4.4	4.9	6.3	6.3	5.8	6.0
STELLAR GL (IS-PR 236)	6.1	6.3	6.8	6.5	4.7	4.8	6.5	6.2	5.4	6.0
PROTEGE GLR	6.3	6.2	6.6	6.5	4.8	4.8	6.5	6.2	5.4	6.0
TOP GUN II (JR-324)	6.2	6.3	6.7	6.0	4.6	3.9	6.7	6.3	5.7	6.0
CALYPSO 3 (MS2)	5.8	6.2	7.1	6.1	4.6	4.9	6.4	6.2	5.8	6.0
ATTRIBUTE (IS-PR 270)	6.1	6.2	7.0	6.3	4.3	4.8	6.6	6.3	5.5	6.0
REGAL 5 (IS-PR 271)	6.2	6.5	6.9	6.4	4.7	3.4	6.3	5.7	5.6	6.0
DASHER 3 (PICK RB-1)	6.1	5.9	6.9	6.5	4.8	4.6	6.7	6.1	5.5	6.0
FIJI (GPR)	6.6	6.0	6.6	6.0	4.3	5.0	6.8	6.2	5.9	6.0
EDGE II (AC2)	6.3	5.9	6.7	6.2	4.6	2.8	6.9	6.1	5.9	6.0
PRESIDIO (CNV)	6.0	6.2	6.6	6.0	5.1	4.4	7.0	6.2	5.2	6.0
1G SQUARED (APR 1664)	6.1	6.2	6.4	6.4	4.7	5.3	6.5	6.0	5.8	6.0
APPLE GL (AAZ-B104)	6.4	6.3	6.5	6.5	4.7	4.7	6.2	5.8	5.7	6.0
SECRETARIAT II GLSR (LTP-101-GLSR)	6.3	6.0	6.6	5.9	5.0	4.8	6.2	6.0	6.1	5.9

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT NINE LOCATIONS 1/
 IN THE NORTH CENTRAL REGION
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	MI1	MN1	ND1	NE1	SD1	WI1	MEAN
ASP6003 (TRS)	5.9	5.8	6.9	6.0	4.7	4.4	6.9	6.0	5.9	5.9
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	6.2	6.6	5.9	4.7	4.9	6.5	5.9	6.0	5.9
PROTOTYPE (DCM)	6.4	6.1	7.0	6.3	4.4	4.9	6.5	6.4	5.0	5.9
PLEASURE SUPREME (PM 103)	6.0	6.0	6.6	6.2	4.2	4.4	7.2	6.3	5.7	5.9
HARRIER (SRX 4UP3)	6.3	6.1	6.6	6.2	4.4	4.9	6.1	6.0	6.2	5.9
PINNACLE II	6.1	6.5	6.8	5.8	4.1	4.4	6.5	6.4	5.7	5.9
FUSION	6.3	6.5	6.6	6.1	4.3	4.6	6.5	6.1	5.3	5.9
ASP6006 (LPFG)	6.6	6.3	7.0	6.2	4.7	4.8	6.7	5.9	4.3	5.9
BUENA VISTA	6.5	6.3	6.6	6.2	4.4	4.4	6.5	6.1	5.2	5.9
LINE DRIVE GLS (APR 1797)	6.3	6.2	6.7	5.9	4.1	4.1	6.4	5.7	6.1	5.9
VB99	6.2	5.7	6.8	6.1	4.8	4.1	6.7	6.3	4.8	5.9
ASP6002 (BPR)	6.1	6.0	6.3	6.1	4.5	3.9	6.7	5.8	5.8	5.9
WIND DANCE 2 (PWDR)	6.5	6.4	6.8	6.1	4.8	4.7	6.7	6.1	4.1	5.9
GRAND SLAM 2 (PST-2GSM)	6.2	6.2	6.7	5.9	4.2	4.2	6.1	5.8	6.4	5.9
FOREVER (DP 17-9499)	6.0	6.4	6.2	5.6	4.1	3.7	6.8	6.5	6.0	5.8
PLATEAU (PST-2LAN)	6.5	6.0	6.5	6.1	4.5	4.5	6.0	5.9	5.7	5.8
DELAWARE XL (PICK 01-2)	5.8	5.6	6.5	5.8	4.7	4.4	6.7	6.2	5.7	5.8
BAR LP 4317	6.4	6.3	6.3	5.4	4.4	4.7	5.8	5.8	6.4	5.8
DART (APR 1663)	6.1	6.2	6.4	6.1	4.3	4.6	6.3	5.9	5.7	5.8
ASP6005 (AJM)	5.6	6.1	6.6	6.1	4.0	4.7	6.8	6.2	5.7	5.8
NEXUS XR (SNR)	6.4	6.3	6.7	5.8	4.7	4.0	6.6	5.9	4.8	5.8
DEFENDER (D04-UP)	6.6	6.5	6.4	6.4	4.0	4.3	6.4	6.0	4.8	5.8
ES45	6.1	6.0	6.4	5.7	5.0	4.8	6.8	5.9	5.1	5.8
BACCARAT (RAD-PR8)	6.3	6.3	6.2	6.0	4.5	4.6	6.1	6.1	5.7	5.8
PST-217	6.0	6.4	6.2	5.9	4.5	5.1	6.4	5.8	5.5	5.8
RINGER II (04-BEN)	6.0	6.1	6.5	5.7	4.2	4.5	6.4	5.8	5.9	5.8
BAR LP 4420	5.4	6.4	6.4	6.0	4.4	4.2	6.5	6.0	5.6	5.8
MANHATTAN 5 GLR (PST-2AM)	6.3	6.4	6.3	6.0	4.6	3.9	6.1	5.1	6.0	5.8
GRAY FOX (PST-2MNG)	6.2	5.8	6.5	5.6	4.4	4.2	6.5	5.8	6.0	5.8
GOALKEEPER II (JR-114)	6.3	5.7	6.3	5.8	4.6	4.8	6.1	6.0	5.7	5.8
PST-2AG4	6.6	6.1	6.5	5.5	4.6	3.9	6.3	6.0	5.3	5.8
REPELL GLS	6.4	6.4	6.3	5.8	4.3	4.8	6.1	6.0	5.3	5.8
CITATION FORE	6.1	6.3	6.4	5.7	4.6	5.1	6.1	5.9	5.4	5.8
ACCENT II (JR-119)	6.1	5.8	6.2	5.8	4.5	5.2	6.4	5.8	5.8	5.8
PACESETTER II (PS-2)	5.6	6.1	6.4	5.6	4.2	3.9	6.5	6.0	6.1	5.8
D04-LP05	6.1	5.8	6.5	5.7	4.0	4.7	6.1	5.9	6.4	5.8
PICK 02-R	5.4	5.3	6.7	6.1	4.6	4.9	6.7	6.1	5.5	5.8
LA QUINTA (JR-255)	6.1	6.0	6.6	5.3	4.2	4.3	6.2	5.9	6.0	5.7
GRAY STAR (PST-2LGL)	6.2	6.1	6.4	5.8	4.2	4.4	6.1	6.0	5.8	5.7
NEXUS XD (SP4)	6.3	6.1	6.8	5.8	4.4	4.6	6.6	6.0	4.4	5.7
CABO II (IS-PR 233)	6.4	6.0	6.9	6.2	4.4	3.6	6.4	6.0	4.4	5.7
QUICKSILVER	6.4	6.3	6.3	5.7	4.1	4.7	6.2	6.0	5.3	5.7
SUNSHINE 2	5.4	5.6	6.5	5.7	4.3	4.7	6.5	6.5	5.6	5.7
BAR LP 4920	6.5	5.7	5.7	5.8	5.0	4.4	6.2	6.0	5.0	5.7
MONTEREY 3 (JR-408)	6.4	5.7	6.5	5.8	3.8	4.5	6.4	5.8	5.3	5.7
PENTIUM	6.2	6.3	6.0	5.4	4.2	4.7	5.8	6.2	5.5	5.7

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT NINE LOCATIONS 1/
IN THE NORTH CENTRAL REGION
2005-09 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	MI1	MN1	ND1	NE1	SD1	WI1	MEAN
BRIGHTSTAR SLT	6.3	5.8	6.1	5.9	4.4	5.0	5.9	5.6	5.4	5.7
INSPIRE	6.1	6.3	6.4	5.6	4.2	4.7	6.0	5.9	5.1	5.7
FIREBOLT (PRG HS-01-09)	5.8	5.7	6.9	5.7	4.2	3.9	6.6	6.2	4.7	5.6
HEADSTART 2	5.8	6.0	6.5	5.9	4.6	4.9	6.3	5.9	4.6	5.6
ASP6001 (RTS)	6.1	5.7	6.4	5.4	4.0	4.4	6.9	5.8	5.3	5.6
PM 102	5.9	5.8	6.0	5.9	4.0	3.5	6.7	5.8	5.7	5.6
E-99	6.1	6.0	6.3	5.8	3.9	4.4	6.4	5.8	5.3	5.6
CADDIESHACK II (JR-163)	6.0	5.3	6.5	5.5	4.3	4.3	6.0	5.8	5.8	5.6
GALATTI (DP 17-9502)	5.7	5.7	6.1	5.9	4.4	4.6	6.0	6.4	5.2	5.6
PST-2BLK	5.7	6.1	6.4	5.4	4.2	3.9	6.2	5.6	5.5	5.6
BREA (04-BRE)	6.2	5.5	6.1	5.6	4.3	4.7	6.2	5.8	5.4	5.6
LS 2300 (APR 1670)	6.3	6.2	6.1	5.5	3.6	4.2	6.0	5.9	5.3	5.5
WAYFARER (L44)	5.8	5.6	6.2	5.7	4.3	4.4	6.4	6.0	4.8	5.5
DP 17-9788	6.3	6.0	5.7	5.5	4.3	2.5	6.0	5.4	5.8	5.5
HALO (KN42)	5.9	5.8	6.4	5.5	4.6	3.6	6.6	5.9	4.0	5.5
PHENOM (APR 1660)	6.2	6.0	6.2	5.6	3.8	4.7	6.1	6.1	4.5	5.5
PREMIER II	6.1	5.6	6.1	5.3	4.2	3.6	6.0	6.1	5.1	5.5
BARLENNIUM	5.9	5.7	5.8	5.4	4.4	4.0	6.0	5.9	5.1	5.5
PALMER III	5.5	5.6	5.6	5.4	4.1	3.7	6.1	5.9	5.1	5.4
HAWKEYE 2 (SRX 4692)	5.8	5.8	6.2	5.1	4.2	3.8	5.9	5.3	4.9	5.4
SRX 4682	6.0	5.8	6.0	4.8	4.1	4.1	5.6	5.2	5.3	5.3
PANTHER	6.2	5.3	5.7	5.2	3.9	4.3	5.8	6.2	4.7	5.3
PIANIST (DP 17-9505)	5.5	5.8	6.1	5.4	3.9	3.3	6.2	6.0	4.0	5.3
LPR 02203	6.1	4.7	5.0	4.6	3.6	3.8	5.5	5.1	4.6	4.8
AFFINITY	5.6	5.3	4.6	4.8	3.2	4.6	5.0	5.3	4.3	4.7
PREMIER	5.8	5.0	4.6	4.5	3.3	3.7	4.9	4.5	4.6	4.6
PINNACLE	5.6	5.0	3.8	4.5	2.8	3.6	4.5	4.1	4.2	4.3
LINN	4.9	3.2	2.3	3.0	1.1	2.2	2.6	2.4	2.9	2.8
LSD VALUE	0.9	0.9	0.8	0.8	1.0	1.1	0.9	0.8	2.0	0.4
C.V. (%)	9.3	9.3	7.9	8.6	15.6	16.0	9.4	7.9	23.9	12.0

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

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

TABLE 7.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWO LOCATIONS 1/
IN THE UPPER WEST/MOUNTAIN REGION
2005-09 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	UT1	WA1	MEAN	NAME	UT1	WA1	MEAN
CHIVALRY (APR 1648)	6.4	6.3	6.4	KEYSTONE 2 (IS-PR 312)	5.9	5.8	5.9
CALYPSO 3 (MS2)	6.3	6.4	6.3	ZOOM (LCK)	5.9	5.7	5.9
CUTTER II (PM 101)	6.3	6.3	6.3	STELLAR GL (IS-PR 236)	5.6	6.1	5.8
FIESTA 4 (PICK F4)	6.2	6.3	6.3	GRAY STAR (PST-2LGL)	5.5	6.3	5.8
UNO (D04-11T)	6.4	6.2	6.3	OVERDRIVE	5.8	5.8	5.8
VB99	6.3	6.1	6.2	ALLSTAR 3 (IS-PR 274)	5.8	5.9	5.8
PALACE (IS-PR 273)	6.3	6.2	6.2	PROTOTYPE (DCM)	5.9	5.7	5.8
EXACTA II GLSR (LTP-611-GLSR)	6.3	6.1	6.2	NEXUS XD (SP4)	5.5	6.1	5.8
SR 4600 (SRX 4SP)	6.1	6.3	6.2	MONTEREY 3 (JR-408)	5.8	5.8	5.8
AMAZING GS (IS-PR 276)	6.2	6.1	6.2	HOMERUN (RG3P)	5.6	5.9	5.8
ASP6002 (BPR)	5.9	6.4	6.2	SILVER DOLLAR	5.6	6.0	5.8
NEXUS XR (SNR)	6.1	6.0	6.1	KOKOMO II (IS-PR 235)	5.5	6.1	5.8
MMW	6.1	6.0	6.1	CADDIESHACK II (JR-163)	6.3	5.2	5.8
PALMER IV	6.0	6.2	6.1	BAR LP 4420	5.6	6.1	5.8
REGAL 5 (IS-PR 271)	6.1	6.0	6.1	WAYFARER (L44)	5.6	5.9	5.8
MACH I	5.9	6.2	6.1	ASP6001 (RTS)	5.5	6.0	5.7
DERBY XTREME (IS-PR 268)	6.1	5.9	6.1	TOP GUN II (JR-324)	5.8	5.7	5.7
PIZZAZZ	6.1	6.1	6.1	DELAWARE XL (PICK 01-2)	5.3	6.3	5.7
ASP6003 (TRS)	5.9	6.0	6.1	ACCENT II (JR-119)	6.0	5.4	5.7
PLEASURE SUPREME (PM 103)	5.8	6.4	6.1	INSPIRE	6.0	5.4	5.7
ASP6006 (LPFG)	5.8	6.2	6.0	HARRIER (SRX 4UP3)	5.7	5.7	5.7
DASHER 3 (PICK RB-1)	6.2	5.9	6.0	HAWKEYE 2 (SRX 4692)	5.8	5.7	5.7
ASP6004 (EXS54)	6.0	6.1	6.0	BACCARAT (RAD-PR8)	5.7	5.7	5.7
1G SQUARED (APR 1664)	6.1	6.0	6.0	REVENGE GLX (JR-348)	5.5	5.9	5.7
FIREBOLT (PRG HS-01-09)	6.0	6.1	6.0	HALO (KN42)	5.1	6.4	5.7
PARAGON GLR	6.0	6.0	6.0	ASP6005 (AJM)	5.2	6.2	5.7
MAJESTY II (VB77)	5.9	6.0	6.0	LA QUINTA (JR-255)	5.6	5.7	5.7
PICK 02-R	5.8	5.9	6.0	GRAND SLAM 2 (PST-2GSM)	5.6	5.8	5.7
PM 102	5.6	6.4	6.0	QUICKSILVER	5.4	5.9	5.7
PALMER V (RNS)	6.0	5.8	5.9	PHENOM (APR 1660)	5.6	5.7	5.7
TR47	5.6	6.3	5.9	PRESIDIO (CNV)	5.2	6.2	5.6
SUNSHINE 2	5.6	6.3	5.9	SECRETARIAT II GLSR (LTP-101-GLSR)	5.5	5.8	5.6
SOPRANO (DP1)	5.9	6.0	5.9	PALMER GLS (GL-2)	5.2	6.1	5.6
ATTRIBUTE (IS-PR 270)	6.0	5.9	5.9	REPELL GLS	5.7	5.6	5.6
BUENA VISTA	5.9	5.9	5.9	APPLE GL (AAZ-B104)	5.2	6.0	5.6
LINE DRIVE GLS (APR 1797)	5.9	6.0	5.9	D04-LP05	5.3	6.1	5.6
FIJI (GPR)	5.7	6.1	5.9	BREA (04-BRE)	5.7	5.5	5.6
TRANSFORMER (D04-1667)	5.8	6.0	5.9	BAR LP 4920	5.3	5.9	5.6
WIND DANCE 2 (PWDR)	5.9	5.9	5.9	ES45	5.1	6.0	5.6
DART (APR 1663)	6.0	5.9	5.9	LS 2300 (APR 1670)	5.7	5.4	5.5
PRIMARY (IS-PR 269)	5.9	5.8	5.9	FUSION	5.3	5.9	5.5
GALATTI (DP 17-9502)	5.8	6.0	5.9	BARLENNIUM	5.7	5.4	5.5
EDGE II (AC2)	5.7	6.0	5.9	RINGER II (04-BEN)	5.6	5.4	5.5
FOREVER (DP 17-9499)	5.8	6.2	5.9	DEFENDER (D04-UP)	5.5	5.5	5.5
CABO II (IS-PR 233)	5.5	6.4	5.9	PIANIST (DP 17-9505)	5.4	5.7	5.5
				PANTHER GLS	5.5	5.5	5.5

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT TWO LOCATIONS 1/
 IN THE UPPER WEST/MOUNTAIN REGION
 2005-09 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	UT1	WA1	MEAN
PACESETTER II (PS-2)	5.2	5.9	5.5
HEADSTART 2	5.1	5.9	5.5
MANHATTAN 5 GLR (PST-2AM)	5.3	5.6	5.5
CITATION FORE	5.3	5.6	5.5
GRAY FOX (PST-2MNG)	5.2	5.7	5.5
BRIGHTSTAR SLT	5.5	5.2	5.4
PROTEGE GLR	4.8	6.1	5.4
PREMIER II	5.6	5.1	5.4
PINNACLE II	5.0	5.7	5.4
PST-217	5.3	5.3	5.4
GOALKEEPER II (JR-114)	5.1	5.6	5.4
E-99	5.3	5.5	5.3
DP 17-9788	5.6	5.1	5.3
PLATEAU (PST-2LAN)	5.4	5.2	5.3
PENTIUM	5.2	5.4	5.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.9	5.7	5.3
NOTABLE (AF)	4.9	5.6	5.2
PST-2AG4	4.7	5.8	5.2
BAR LP 4317	5.0	5.6	5.2
SRX 4682	5.2	5.1	5.1
PALMER III	5.0	5.3	5.1
PANTHER	4.9	4.7	4.8
PST-2BLK	4.3	5.5	4.8
LPR 02203	4.9	4.5	4.7
AFFINITY	4.6	4.3	4.4
PINNACLE	4.4	4.2	4.3
PREMIER	4.1	4.2	4.1
LINN	3.1	2.4	2.7
LSD VALUE	1.2	0.7	0.8
C.V. (%)	13.8	7.7	11.3

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 8.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2005-09 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
HOMERUN (RG3P)	6.1	6.1	6.1	6.6	6.8	7.0	7.3	7.3	7.2	6.6	6.4	6.3	6.7
UNO (D04-11T)	5.9	6.1	6.2	6.5	6.9	6.9	7.4	7.1	7.2	6.6	6.2	6.3	6.6
KOKOMO II (IS-PR 235)	6.1	6.3	6.0	6.4	6.9	6.7	7.3	7.2	7.5	6.4	6.1	6.2	6.6
APPLE GL (AAZ-B104)	5.9	5.9	6.1	6.8	6.8	6.8	7.3	7.2	7.2	6.5	6.1	6.1	6.6
DERBY XTREME (IS-PR 268)	5.9	6.0	6.2	6.5	6.7	6.7	7.2	7.3	7.5	6.6	6.1	6.1	6.6
ALLSTAR 3 (IS-PR 274)	6.0	6.1	6.1	6.6	6.8	6.8	7.3	7.1	7.3	6.5	6.1	6.0	6.5
CABO II (IS-PR 233)	6.1	6.1	6.1	6.6	6.9	6.7	7.1	7.1	7.3	6.5	6.1	6.1	6.5
FIESTA 4 (PICK F4)	5.7	6.0	5.7	6.5	6.8	6.8	7.5	7.1	7.2	6.5	6.3	6.2	6.5
ZOOM (LCK)	6.1	5.9	5.9	6.6	6.7	6.7	7.4	7.0	7.1	6.6	6.1	6.0	6.5
REGAL 5 (IS-PR 271)	6.1	6.2	6.2	6.7	6.8	6.7	7.1	7.2	6.7	6.2	6.1	6.0	6.5
CUTTER II (PM 101)	5.8	5.7	5.9	6.5	6.7	6.9	7.7	7.3	7.1	6.4	6.0	5.9	6.5
PARAGON GLR	5.9	5.7	6.0	6.3	6.9	6.7	7.5	7.2	7.1	6.3	6.3	6.3	6.5
PROTEGE GLR	5.8	6.1	5.9	6.7	6.8	6.5	7.2	7.1	7.3	6.3	6.2	6.1	6.5
EXACTA II GLSR (LTP-611-GLSR)	5.7	5.7	5.9	6.6	6.9	6.5	7.3	7.2	7.1	6.5	6.2	6.2	6.5
VB99	5.4	5.7	5.8	6.6	6.9	6.9	7.5	7.3	7.3	6.5	6.0	6.0	6.5
ATTRIBUTE (IS-PR 270)	5.9	5.9	6.0	6.7	6.9	6.7	7.3	7.1	7.3	6.3	5.8	5.8	6.5
FIJI (GPR)	5.5	5.5	5.8	6.5	6.7	7.0	7.5	7.3	7.1	6.5	6.2	6.0	6.5
OVERDRIVE	5.7	5.7	5.9	6.4	6.7	6.9	7.7	7.3	7.2	6.5	5.9	5.9	6.5
PALMER V (RNS)	5.9	5.9	6.0	6.4	6.7	6.7	7.4	7.1	6.9	6.5	5.9	6.1	6.5
PALMER IV	5.8	5.9	6.1	6.5	6.6	6.3	7.2	7.1	7.2	6.3	6.1	6.1	6.4
STELLAR GL (IS-PR 236)	5.8	5.7	5.9	6.5	6.7	6.7	7.1	6.9	7.1	6.5	6.1	6.0	6.4
TRANSFORMER (D04-1667)	5.7	5.7	5.8	6.5	6.9	6.8	7.3	7.2	6.9	6.2	5.9	6.1	6.4
BUENA VISTA	5.9	5.7	5.9	6.5	6.7	6.6	7.3	7.1	7.1	6.3	6.0	6.0	6.4
PALACE (IS-PR 273)	5.8	5.9	5.9	6.5	6.7	6.4	7.2	7.3	7.0	6.3	5.8	5.8	6.4
DASHER 3 (PICK RB-1)	5.6	5.8	6.0	6.5	6.8	6.5	7.3	6.9	6.8	6.4	5.9	5.8	6.4
DEFENDER (D04-UP)	5.9	5.7	5.9	6.3	6.5	6.1	7.1	6.7	7.0	6.5	6.3	6.1	6.4
SUNSHINE 2	5.4	5.5	5.9	6.3	6.7	6.5	7.4	7.0	7.1	6.5	6.0	5.9	6.4
AMAZING GS (IS-PR 276)	5.7	5.7	5.7	6.4	6.7	6.5	7.2	6.8	6.9	6.3	6.1	5.9	6.3
SOPRANO (DP1)	5.7	5.5	5.9	6.4	6.7	6.4	7.2	7.0	7.0	6.4	5.9	5.7	6.3
SR 4600 (SRX 4SP)	5.7	5.9	5.8	6.2	6.5	6.5	7.1	6.9	7.1	6.3	5.9	6.0	6.3
CHIVALRY (APR 1648)	5.7	5.9	5.6	6.1	6.6	6.7	7.2	7.1	7.0	6.3	5.9	5.8	6.3
LINE DRIVE GLS (APR 1797)	5.6	5.7	5.9	6.5	6.6	6.9	7.1	6.9	6.9	6.2	5.7	5.8	6.3
MACH I	5.6	5.7	6.1	6.3	6.7	6.5	7.1	6.9	6.9	6.3	5.9	5.9	6.3
FIREBOLT (PRG HS-01-09)	5.5	5.5	5.7	6.3	6.7	6.6	7.4	6.9	7.0	6.1	6.0	5.8	6.3
ASP6003 (TRS)	5.3	5.4	5.7	6.4	6.7	6.8	7.2	7.1	6.9	6.3	5.7	5.7	6.3
PRIMARY (IS-PR 269)	5.6	5.6	5.9	6.5	6.7	6.6	6.8	6.8	6.9	6.3	5.8	5.9	6.3
KEYSTONE 2 (IS-PR 312)	5.5	5.5	5.8	6.3	6.7	6.4	7.1	7.0	7.0	6.2	6.0	5.7	6.3
CALYPSO 3 (MS2)	5.5	5.4	5.8	6.5	6.5	6.5	7.1	7.1	7.0	6.3	5.7	5.7	6.3
PICK 02-R	5.2	5.3	5.6	6.6	6.7	6.7	7.2	7.1	7.1	6.3	5.7	5.7	6.3
D04-LP05	5.5	5.6	6.0	6.3	6.7	6.3	6.8	6.9	6.8	6.3	6.0	5.9	6.2
PANTHER GLS	5.5	5.4	5.4	6.5	6.7	6.7	7.1	7.0	7.1	6.2	5.7	5.7	6.2
HALO (KN42)	5.1	5.4	5.7	6.5	6.9	6.7	7.1	6.9	7.0	6.1	5.9	5.7	6.2
EDGE II (AC2)	5.3	5.3	5.7	6.2	6.5	6.7	7.1	7.0	6.9	6.4	5.9	5.7	6.2
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.5	5.3	5.5	6.1	6.6	6.4	7.2	6.9	6.9	6.3	6.0	5.9	6.2
SILVER DOLLAR	5.6	5.5	5.8	6.3	6.5	6.5	7.0	6.9	6.7	6.1	5.8	5.8	6.2

TABLE 8. (CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2005-09 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
MAJESTY II (VB77)	5.3	5.5	5.5	6.4	6.8	6.6	7.0	7.1	6.8	6.1	5.7	5.7	6.2
TR47	5.3	5.3	5.7	6.2	6.5	6.6	7.0	6.7	6.9	6.2	6.1	5.8	6.2
PRESIDIO (CNV)	5.0	5.2	5.7	6.3	6.7	6.5	7.3	6.9	6.9	6.2	5.9	5.8	6.2
MMW	5.8	5.5	5.7	6.4	6.6	6.4	6.9	6.7	6.9	6.1	5.7	5.6	6.2
WAYFARER (L44)	5.1	5.2	5.7	6.3	6.8	6.5	7.3	6.8	6.9	6.1	5.7	5.7	6.2
SECRETARIAT II GLSR (LTP-101-GLSR)	5.4	5.3	5.6	6.1	6.6	6.5	7.2	6.9	6.9	6.1	5.8	5.7	6.2
FUSION	5.5	5.3	5.7	6.4	6.7	6.5	7.3	6.5	6.7	6.1	5.5	5.7	6.2
PM 102	5.5	5.5	5.7	6.2	6.6	6.4	6.9	6.9	6.8	6.1	5.7	5.8	6.2
PACESETTER II (PS-2)	5.3	5.4	5.6	6.5	6.7	6.5	7.0	6.7	6.8	5.8	5.7	5.7	6.2
PALMER GLS (GL-2)	5.8	5.7	5.7	6.3	6.4	6.3	6.9	6.6	6.6	6.1	5.7	5.8	6.2
RINGER II (O4-BEN)	5.3	5.2	5.4	6.3	6.5	6.5	7.2	6.9	6.8	6.3	5.7	5.6	6.2
PROTOTYPE (DCM)	5.5	5.3	5.5	6.2	6.5	6.4	6.9	6.7	6.7	6.2	5.9	5.8	6.1
ASP6004 (EXS54)	5.1	5.3	5.8	6.3	6.6	6.3	7.1	6.8	6.8	6.0	5.9	5.6	6.1
NOTABLE (AF)	5.3	5.2	5.7	6.4	6.7	6.6	6.9	7.0	6.9	6.1	5.5	5.5	6.1
REPELL GLS	5.8	5.5	5.5	6.1	6.7	6.3	6.8	6.7	6.6	6.1	5.8	5.7	6.1
LA QUINTA (JR-255)	5.0	5.0	5.7	6.3	6.7	6.6	7.2	7.1	6.9	6.1	5.6	5.6	6.1
PLEASURE SUPREME (PM 103)	5.2	5.3	5.7	6.6	6.6	6.5	7.0	6.9	6.7	6.1	5.5	5.5	6.1
PLATEAU (PST-2LAN)	5.3	5.3	5.5	6.2	6.6	6.6	6.9	6.9	6.7	6.1	5.6	5.7	6.1
CADDIESHACK II (JR-163)	4.9	5.1	5.6	6.3	6.6	6.7	7.0	6.8	6.9	5.9	5.7	5.5	6.1
GRAY FOX (PST-2MNG)	5.3	5.1	5.5	6.1	6.5	6.5	7.1	6.9	6.7	6.1	5.5	5.6	6.1
REVENGE GLX (JR-348)	5.5	5.6	5.7	6.1	6.6	6.2	6.9	6.6	6.6	6.0	5.7	5.6	6.1
BAR LP 4420	5.4	5.5	5.7	6.3	6.5	6.3	6.8	6.7	6.7	6.0	5.5	5.4	6.1
HARRIER (SRX 4UP3)	5.3	5.5	5.6	6.3	6.5	6.1	6.8	6.7	6.9	5.9	5.7	5.7	6.1
GRAY STAR (PST-2LGL)	5.2	5.1	5.7	6.5	6.4	6.1	6.7	6.7	6.9	6.2	5.7	5.5	6.1
GALATTI (DP 17-9502)	5.2	5.0	5.4	6.4	6.5	6.5	7.3	7.0	6.5	6.0	5.5	5.4	6.1
ASP6005 (AJM)	5.2	4.9	5.5	6.3	6.5	6.3	6.9	6.8	6.8	6.0	5.8	5.6	6.1
NEXUS XD (SP4)	5.0	5.1	5.5	6.2	6.4	6.5	7.1	6.6	6.8	6.0	5.8	5.6	6.1
MANHATTAN 5 GLR (PST-2AM)	5.3	5.2	5.5	6.1	6.5	6.4	6.9	6.9	6.7	6.0	5.5	5.6	6.0
DELAWARE XL (PICK 01-2)	5.3	5.1	5.4	6.4	6.4	6.3	6.7	6.7	6.6	6.0	5.8	5.8	6.0
ES45	5.1	5.1	5.4	6.3	6.5	6.5	7.1	6.6	6.7	6.1	5.6	5.5	6.0
ASP6006 (LPFG)	5.2	5.1	5.5	6.3	6.7	6.4	7.0	6.6	6.7	6.0	5.5	5.3	6.0
NEXUS XR (SNR)	5.2	5.1	5.5	6.1	6.5	6.5	6.9	6.5	6.7	5.9	5.7	5.5	6.0
INSPIRE	5.4	5.1	5.5	6.3	6.3	6.3	6.8	6.7	6.7	6.1	5.6	5.4	6.0
CITATION FORE	5.4	5.3	5.6	6.3	6.3	6.3	6.9	6.8	6.5	5.7	5.4	5.5	6.0
DART (APR 1663)	5.3	5.3	5.3	6.1	6.4	6.2	6.7	6.7	6.7	6.2	5.6	5.5	6.0
GRAND SLAM 2 (PST-2GSM)	5.1	5.1	5.3	6.1	6.3	6.1	7.1	6.8	6.7	6.1	5.7	5.5	6.0
PHENOM (APR 1660)	5.5	5.1	5.5	6.0	6.3	6.2	6.8	6.7	6.7	5.9	5.6	5.5	6.0
ASP6002 (BPR)	5.1	4.9	5.3	6.1	6.3	6.4	7.1	7.1	6.7	5.9	5.4	5.2	6.0
LS 2300 (APR 1670)	5.5	5.3	5.3	6.0	6.4	6.5	6.5	6.5	6.8	5.9	5.4	5.7	6.0
WIND DANCE 2 (PWDR)	5.2	4.9	5.4	6.2	6.3	6.3	7.0	6.6	6.7	5.9	5.6	5.4	6.0
PST-2AG4	5.1	5.1	5.7	6.1	6.4	6.1	6.7	6.7	6.5	6.1	5.6	5.4	6.0
PST-217	4.9	5.0	5.5	6.1	6.5	6.2	6.8	6.7	6.7	6.0	5.7	5.3	6.0
BREA (O4-BRE)	5.0	5.1	5.5	6.1	6.4	6.0	7.0	6.6	6.6	5.9	5.7	5.5	5.9
MONTEREY 3 (JR-408)	4.9	4.9	5.1	6.1	6.5	6.4	6.8	6.9	6.9	6.0	5.5	5.2	5.9
1G SQUARED (APR 1664)	5.3	5.1	5.3	6.2	6.5	6.3	6.5	6.5	6.6	5.8	5.6	5.5	5.9
PIZZAZZ	5.0	5.3	5.5	6.2	6.3	6.3	6.9	6.6	6.6	5.7	5.5	5.2	5.9

TABLE 8. (CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/
2005-09 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
BACCARAT (RAD-PR8)	5.0	5.0	5.4	6.1	6.5	6.5	7.0	6.7	6.6	6.0	5.3	5.2	5.9
GOALKEEPER II (JR-114)	4.8	4.9	5.4	6.2	6.3	6.3	7.0	6.7	6.7	5.9	5.6	5.3	5.9
PST-2BLK	4.9	5.0	5.3	6.2	6.3	6.3	6.9	6.7	6.5	6.1	5.6	5.2	5.9
BAR LP 4920	5.3	5.1	5.2	6.0	6.3	6.0	6.9	6.3	6.7	6.0	5.6	5.5	5.9
E-99	5.3	5.1	5.2	6.0	6.5	6.3	6.6	6.6	6.5	6.1	5.3	5.5	5.9
BARLENNIUM	5.4	5.1	5.5	6.1	6.4	6.3	6.7	6.5	6.4	5.7	5.5	5.5	5.9
HEADSTART 2	5.0	4.9	5.4	6.1	6.4	6.3	6.9	6.7	6.7	5.8	5.3	5.2	5.9
ASP6001 (RTS)	4.9	4.8	5.5	6.1	6.4	6.3	6.9	6.6	6.6	6.0	5.6	5.1	5.9
PIANIST (DP 17-9505)	5.1	5.0	5.1	6.1	6.3	6.0	6.9	6.7	6.6	5.9	5.4	5.3	5.9
TOP GUN II (JR-324)	5.1	5.1	5.3	6.1	6.5	6.3	6.8	6.5	6.7	5.8	5.3	5.0	5.9
PENTIUM	5.1	5.0	5.2	5.9	6.3	6.3	7.0	6.8	6.3	5.8	5.3	5.1	5.9
QUICKSILVER	4.9	4.9	5.5	6.1	6.3	6.3	6.7	6.5	6.5	5.9	5.4	5.3	5.9
PREMIER II	5.3	4.9	5.0	6.1	6.4	6.3	6.5	6.5	6.5	5.8	5.7	5.3	5.8
ACCENT II (JR-119)	4.8	4.7	5.2	6.1	6.5	6.3	6.8	6.7	6.6	5.9	5.3	5.1	5.8
DP 17-9788	4.9	4.9	5.2	5.9	6.3	6.3	6.6	6.5	6.6	5.9	5.4	5.3	5.8
FOREVER (DP 17-9499)	4.9	5.1	5.5	6.1	6.3	6.1	6.8	6.4	6.4	5.8	5.3	5.3	5.8
BRIGHTSTAR SLT	5.1	5.0	5.1	6.0	6.3	6.2	6.5	6.5	6.5	5.7	5.2	5.1	5.8
HAWKEYE 2 (SRX 4692)	5.1	5.0	5.2	5.8	6.2	6.1	6.6	6.3	6.3	5.7	5.3	5.3	5.7
PINNACLE II	4.9	4.9	5.1	6.1	6.3	6.0	6.7	6.2	6.2	5.7	5.5	5.1	5.7
PALMER III	4.9	4.8	5.0	5.8	6.2	6.1	6.6	6.2	6.5	5.7	5.2	5.3	5.7
BAR LP 4317	4.9	4.8	5.1	5.9	6.3	6.0	6.4	6.2	6.4	5.7	5.3	5.3	5.7
PREMIER	4.9	5.0	4.8	5.8	6.3	6.1	6.5	6.3	6.3	5.6	5.2	5.0	5.7
PINNACLE	5.1	4.9	4.7	5.5	6.1	6.2	6.6	6.3	6.3	5.5	5.1	5.2	5.6
PANTHER	5.0	5.1	5.0	5.9	6.3	6.0	6.3	6.3	6.0	5.3	5.2	4.9	5.6
AFFINITY	5.0	4.9	5.0	5.7	6.3	5.9	6.5	6.3	6.0	5.2	4.9	4.7	5.5
LPR 02203	4.5	4.3	4.9	5.7	6.2	5.9	6.5	6.2	6.2	5.3	5.1	4.7	5.5
SRX 4682	4.7	4.5	4.9	5.6	6.0	5.7	5.8	5.8	5.9	5.3	4.9	5.0	5.3
LINN	4.2	4.0	3.9	3.9	4.8	5.1	5.1	5.1	5.0	4.5	4.2	4.2	4.5
LSD VALUE	0.6	0.7	0.7	0.9	0.9	0.8	0.5	0.6	0.6	0.6	0.6	0.6	0.4
C.V. (%)	16.5	18.9	16.3	19.1	18.4	16.7	10.5	12.8	13.3	13.5	14.4	15.2	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 9.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT EAST LANSING, MI */
 2005-09 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	WEAR TOLERANCE	PERCENT COVER	PERCENT COVER	PERCENT COVER	PERCENT COVER	MAY	JUN	QUALITY RATINGS			MEAN
			BEFORE TRAFFIC	SPRING AFTER	SUMMER TRAFFIC	FALL APPLIED			JUL	AUG	NOV	
BAR LP 4317	6.3	5.7	82.5	51.7	72.5	61.3	4.7	4.0	7.0	7.0	6.7	5.9
EXACTA II GLSR (LTP-611-GLSR)	6.3	6.5	82.2	60.0	75.8	61.7	4.0	4.7	7.0	6.0	7.3	5.8
NOTABLE (AF)	6.0	6.2	79.8	58.3	72.5	62.5	4.0	4.0	7.0	7.0	7.0	5.8
PARAGON GLR	6.0	5.3	80.3	45.0	72.5	52.1	3.7	4.3	6.7	7.0	7.3	5.8
ALLSTAR 3 (IS-PR 274)	6.7	5.7	80.7	55.0	74.2	52.9	4.7	4.0	7.0	6.0	7.0	5.7
PLEASURE SUPREME (PM 103)	6.7	5.5	78.3	58.3	70.8	54.6	4.3	4.0	6.7	6.3	7.3	5.7
STELLAR GL (IS-PR 236)	6.3	5.7	81.7	40.0	75.0	53.3	4.3	3.7	7.0	7.0	6.3	5.7
ACCENT II (JR-119)	6.0	6.7	83.0	61.7	72.5	57.1	4.0	4.0	6.3	7.3	6.3	5.6
MMW	6.3	6.3	83.2	63.3	72.5	60.8	4.0	4.3	6.7	5.7	7.3	5.6
PALMER III	5.3	5.5	84.0	53.3	75.8	62.1	4.7	3.7	7.3	7.0	5.3	5.6
SRX 4682	6.0	6.2	75.8	55.0	68.3	58.3	4.3	3.7	6.7	6.7	6.7	5.6
BAR LP 4420	6.0	6.3	78.7	51.7	70.8	64.2	3.3	4.0	6.7	6.3	7.0	5.5
CHIVALRY (APR 1648)	6.3	5.3	79.7	50.0	69.2	53.8	3.7	4.3	6.7	6.7	6.3	5.5
DASHER 3 (PICK RB-1)	6.3	6.0	82.0	56.7	73.3	61.3	3.7	3.7	7.0	6.7	6.7	5.5
EDGE II (AC2)	6.0	6.2	82.0	55.0	70.0	53.3	3.3	3.7	7.0	7.0	6.3	5.5
FOREVER (DP 17-9499)	6.3	6.0	81.7	50.0	74.2	56.3	3.3	4.3	6.7	6.7	6.7	5.5
HOMERUN (RG3P)	6.0	6.0	78.8	50.0	69.2	55.0	3.7	3.7	7.0	6.3	6.7	5.5
PALMER GLS (GL-2)	6.0	6.2	75.8	53.3	73.3	56.7	4.0	4.3	6.7	6.7	6.0	5.5
PST-217	6.0	6.2	78.2	65.0	70.0	59.6	4.0	4.3	6.7	6.0	6.7	5.5
SILVER DOLLAR	6.3	6.3	83.2	58.3	70.8	62.1	3.3	4.3	6.3	6.7	6.7	5.5
TR47	7.0	6.0	82.0	56.7	70.2	61.7	4.0	4.3	6.3	7.3	5.7	5.5
DEFENDER (D04-UP)	6.0	6.0	81.2	60.0	70.0	54.6	3.3	3.7	6.3	6.7	7.0	5.4
KEYSTONE 2 (IS-PR 312)	6.0	5.2	82.3	40.0	71.7	47.8	4.3	4.3	6.0	5.3	7.0	5.4
PRESIDIO (CNV)	6.7	5.7	70.3	35.0	73.5	51.3	4.0	3.7	6.0	6.7	6.7	5.4
PROTEGE GLR	6.3	5.2	72.0	25.0	70.8	48.0	3.7	4.0	5.7	6.7	7.0	5.4
PROTOTYPE (DCM)	6.0	5.5	76.8	33.3	67.5	50.8	3.3	3.3	7.0	6.7	6.7	5.4
APPLE GL (AAZ-B104)	6.0	5.8	75.5	46.7	71.7	64.6	3.7	4.3	6.0	6.3	6.0	5.3
ATTRIBUTE (IS-PR 270)	6.7	5.7	74.8	41.7	75.8	46.3	4.0	3.3	6.3	6.0	7.0	5.3
BACCARAT (RAD-PR8)	6.0	6.0	80.5	56.7	63.3	58.8	3.0	4.0	6.7	6.0	6.7	5.3
BAR LP 4920	6.0	6.0	82.0	60.0	70.0	57.1	3.3	3.7	6.3	6.3	6.7	5.3
BARLENNIUM	6.0	6.0	81.7	55.0	75.0	52.1	4.0	3.7	6.7	5.7	6.3	5.3
BRIGHTSTAR SLT	6.0	5.3	76.7	43.7	70.0	48.4	3.7	3.7	5.7	6.7	6.7	5.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	6.0	77.5	46.7	72.5	58.8	4.0	3.7	5.7	7.0	6.3	5.3
DART (APR 1663)	6.0	5.7	76.2	46.7	71.7	57.9	3.0	4.0	6.7	6.3	6.7	5.3
MAJESTY II (VB77)	7.0	5.7	81.7	60.0	67.5	62.9	3.7	4.0	6.7	5.7	6.3	5.3
MANHATTAN 5 GLR (PST-2AM)	6.0	6.0	76.0	53.3	69.2	50.8	4.0	3.7	6.3	6.7	6.0	5.3
NEXUS XR (SNR)	6.7	5.7	81.7	48.3	67.5	54.2	4.0	3.3	6.0	6.3	7.0	5.3
SECRETARIAT II GLSR (LTP-101-GLSR)	6.0	4.7	78.2	30.3	67.5	48.4	3.7	4.3	5.3	7.0	6.3	5.3
ZOOM (LCK)	6.3	6.5	78.7	56.7	72.5	51.7	3.7	3.0	7.0	6.7	6.0	5.3
CABO II (IS-PR 233)	6.7	5.3	79.0	43.3	71.7	49.6	3.3	4.0	6.3	6.0	6.3	5.2
GALATTI (DP 17-9502)	6.3	5.5	75.5	46.7	68.3	45.8	3.3	3.7	6.3	6.7	6.0	5.2
GRAY FOX (PST-2MNG)	6.0	5.7	67.5	36.7	70.0	56.3	2.7	3.7	6.0	6.7	7.0	5.2
INSPIRE	6.0	5.0	80.0	40.0	65.8	48.4	3.3	4.0	5.7	6.0	7.0	5.2
PACESETTER II (PS-2)	6.0	6.3	81.7	51.7	70.8	53.8	3.3	3.7	6.7	6.0	6.3	5.2
PALACE (IS-PR 273)	6.0	6.3	75.2	46.7	73.3	55.8	3.7	4.0	6.3	6.3	5.7	5.2
PALMER IV	6.3	6.0	84.3	53.3	62.5	59.6	3.0	3.3	7.0	6.3	6.3	5.2
PM 102	6.7	6.0	73.0	51.7	64.2	55.0	3.3	3.7	6.3	6.3	6.3	5.2

TABLE 9. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT EAST LANSING, MI */
 2005-09 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	WEAR TOLERANCE	PERCENT COVER SPRING BEFORE TRAFFIC	PERCENT COVER SPRING AFTER	PERCENT COVER SUMMER TRAFFIC APPLIED	PERCENT COVER FALL	MAY	JUN	QUALITY RATINGS			MEAN
									JUL	AUG	NOV	
1G SQUARED (APR 1664)	6.0	6.2	76.7	58.3	67.5	55.8	3.7	4.0	6.3	6.0	5.7	5.1
HAWKEYE 2 (SRX 4692)	6.0	4.5	73.2	30.0	65.8	44.2	3.3	3.3	5.0	6.7	7.0	5.1
MONTEREY 3 (JR-408)	6.3	5.8	75.5	51.7	66.7	55.0	3.7	4.0	6.0	5.7	6.3	5.1
PANTHER	5.3	6.2	71.2	46.7	70.8	57.1	2.7	3.0	6.7	6.3	6.7	5.1
PIZZAZZ	6.0	6.0	74.8	55.0	65.0	47.9	3.3	4.3	5.3	6.3	6.0	5.1
REPELL GLS	6.0	5.3	68.3	36.7	66.7	44.2	3.0	3.7	6.0	5.7	7.0	5.1
RINGER II (O4-BEN)	6.3	5.2	76.0	36.7	70.0	51.5	3.7	3.0	6.0	6.7	6.0	5.1
SOPRANO (DP1)	6.0	4.8	75.0	40.0	63.3	46.8	4.0	3.7	6.0	6.0	6.0	5.1
TRANSFORMER (D04-1667)	6.0	5.8	79.2	40.0	68.3	50.4	3.0	3.0	5.7	7.0	6.7	5.1
ASP6002 (BPR)	7.0	6.0	78.8	58.3	58.3	58.3	3.3	4.3	5.3	5.3	6.7	5.0
ASP6003 (TRS)	6.7	6.0	80.2	51.7	65.8	51.3	3.3	3.3	6.0	6.0	6.3	5.0
ASP6004 (EXS54)	7.0	6.5	80.0	50.0	69.2	57.1	3.7	3.7	5.3	6.0	6.3	5.0
ASP6006 (LPFG)	7.0	5.8	80.0	55.0	70.8	55.0	3.3	3.3	6.7	6.0	5.7	5.0
E-99	6.0	5.0	78.3	48.3	65.8	48.3	3.3	3.0	5.7	6.7	6.3	5.0
ES45	7.0	5.3	72.5	56.7	66.7	51.7	3.7	3.7	6.3	6.0	5.3	5.0
GRAY STAR (PST-2LGL)	6.0	6.3	81.7	51.7	70.8	55.4	3.3	3.7	6.0	6.0	6.0	5.0
OVERDRIVE	6.0	5.7	72.5	58.3	63.3	55.4	4.3	3.7	6.0	5.7	5.3	5.0
PREMIER II	6.0	5.5	78.7	58.3	70.2	54.2	3.3	3.7	6.3	6.0	5.7	5.0
VB99	6.3	6.2	83.2	53.3	70.0	48.8	4.0	3.3	5.7	6.3	5.7	5.0
CADDIESHACK II (JR-163)	6.3	5.7	79.7	40.0	65.8	55.4	3.3	4.0	5.0	5.7	6.7	4.9
CITATION FORE	6.0	5.8	75.5	53.3	68.3	48.3	3.0	3.7	6.0	5.7	6.3	4.9
D04-LP05	6.3	6.0	76.7	55.0	70.0	47.5	3.7	3.0	5.7	5.3	7.0	4.9
DELAWARE XL (PICK 01-2)	6.7	5.2	74.2	53.3	63.3	47.6	3.7	3.7	5.7	5.7	5.7	4.9
DP 17-9788	6.3	5.7	75.0	53.3	69.2	52.9	3.0	3.0	6.7	5.7	6.3	4.9
FIJI (GPR)	6.7	4.8	74.5	36.7	65.8	54.7	3.0	3.7	5.7	5.3	7.0	4.9
LINE DRIVE GLS (APR 1797)	6.0	6.0	83.2	61.7	64.2	50.0	3.7	3.3	6.3	7.0	4.0	4.9
PENTIUM	6.0	5.7	73.3	43.3	62.5	50.8	2.7	3.3	6.3	5.7	6.7	4.9
DERBY XTREME (IS-PR 268)	6.0	5.7	80.3	55.0	60.8	44.2	3.7	3.7	5.3	5.7	5.7	4.8
FUSION	6.0	5.5	77.5	48.3	66.7	45.3	3.0	3.0	6.0	6.0	6.0	4.8
MACH I	6.0	5.2	73.3	45.0	58.5	44.7	3.7	3.7	5.7	5.3	5.7	4.8
PALMER V (RNS)	6.0	5.5	74.7	46.7	66.8	45.7	3.0	3.3	6.0	6.7	5.0	4.8
PIANIST (DP 17-9505)	6.3	5.2	74.2	43.3	67.5	54.2	2.7	3.3	6.0	6.0	6.0	4.8
PINNACLE II	6.0	5.5	74.8	40.0	65.0	44.6	2.7	3.3	5.7	6.7	5.7	4.8
QUICKSILVER	6.3	5.8	80.0	50.0	65.0	48.8	3.3	3.7	6.0	5.3	5.7	4.8
ASP6005 (AJM)	6.7	6.2	77.5	60.0	69.2	56.3	3.7	2.7	5.0	5.7	6.7	4.7
BUENA VISTA	6.0	5.8	73.8	43.3	65.8	44.6	3.3	3.3	5.3	5.7	5.7	4.7
HALO (KN42)	7.0	5.7	76.3	50.0	65.8	45.8	3.0	3.7	5.0	5.3	6.3	4.7
LS 2300 (APR 1670)	5.3	5.8	77.8	61.7	60.8	57.1	3.0	3.0	6.3	5.7	5.7	4.7
NEXUS XD (SP4)	7.0	5.5	80.0	40.0	57.5	48.3	3.0	3.0	5.7	6.0	6.0	4.7
PANTHER GLS	6.0	5.3	73.7	36.7	68.3	46.1	2.7	3.7	5.3	6.7	5.0	4.7
PRIMARY (IS-PR 269)	6.0	5.7	73.2	56.7	61.7	45.9	3.7	3.0	5.7	5.3	5.7	4.7
PST-2AG4	6.0	5.5	67.8	50.0	57.5	47.5	3.3	3.3	5.7	5.7	5.3	4.7
REGAL 5 (IS-PR 271)	6.7	5.5	71.5	50.0	65.0	45.4	3.3	3.7	5.0	5.7	6.0	4.7
REVENGE GLX (JR-348)	6.0	5.5	71.7	58.3	53.3	42.6	3.0	3.3	5.7	5.7	5.7	4.7
WIND DANCE 2 (PWDR)	6.7	4.8	80.0	40.0	59.2	44.8	3.7	3.3	5.7	5.7	5.3	4.7
CALYPSO 3 (MS2)	6.7	5.8	80.0	53.3	60.8	53.3	2.3	3.7	6.3	5.3	5.3	4.6
CUTTER II (PM 101)	6.3	5.2	75.5	51.7	66.7	50.4	3.3	3.0	4.7	6.0	6.0	4.6

TABLE 9. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT EAST LANSING, MI */
 2005-09 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	WEAR TOLERANCE	PERCENT COVER SPRING	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	MAY	JUN	QUALITY RATINGS			MEAN
			BEFORE TRAFFIC	AFTER	TRAFFIC APPLIED	JUL			AUG	NOV		
FIREBOLT (PRG HS-01-09)	7.0	5.0	70.3	46.7	55.8	37.9	3.0	2.7	6.3	4.7	6.3	4.6
LA QUINTA (JR-255)	6.3	4.8	75.3	43.3	60.0	44.8	3.3	3.7	5.0	5.3	5.7	4.6
PHENOM (APR 1660)	6.0	5.5	74.5	55.0	59.2	48.6	3.0	3.0	6.0	5.3	5.7	4.6
TOP GUN II (JR-324)	6.7	5.7	72.3	60.0	55.8	50.9	3.7	3.0	6.0	5.7	4.7	4.6
AMAZING GS (IS-PR 276)	6.0	5.3	76.7	46.7	60.0	39.8	3.0	3.0	5.7	6.0	4.7	4.5
HEADSTART 2	6.7	4.8	75.5	30.0	56.7	43.6	3.0	3.3	4.3	6.3	5.7	4.5
LPR 02203	6.0	5.0	67.0	33.3	66.7	41.2	3.0	3.0	5.0	6.0	5.3	4.5
PLATEAU (PST-2LAN)	6.0	5.8	64.7	63.3	63.3	44.2	3.3	3.0	5.0	6.3	5.0	4.5
ASP6001 (RTS)	7.0	5.0	73.8	43.3	61.7	43.0	3.0	3.7	5.0	5.3	5.0	4.4
GOALKEEPER II (JR-114)	6.0	5.8	76.7	48.3	60.8	45.9	3.0	3.3	5.7	5.0	5.0	4.4
PINNACLE	4.0	5.8	73.3	53.3	59.2	45.4	3.0	2.3	5.3	6.0	5.3	4.4
UNO (D04-11T)	6.7	4.7	68.7	27.0	60.0	44.3	3.0	2.7	5.0	5.7	5.7	4.4
WAYFARER (L44)	6.7	4.8	82.5	50.0	58.3	48.0	3.0	3.0	5.7	5.3	5.0	4.4
AFFINITY	5.3	5.2	72.5	53.3	60.0	40.3	2.7	3.0	5.3	5.3	5.0	4.3
FIESTA 4 (PICK F4)	6.3	5.3	71.8	60.0	56.7	49.6	3.0	2.3	5.3	5.7	5.0	4.3
SR 4600 (SRX 4SP)	6.0	5.5	69.8	43.3	58.3	35.3	3.0	2.3	6.0	5.3	5.0	4.3
GRAND SLAM 2 (PST-2GSM)	6.0	5.7	69.8	60.0	68.3	47.8	3.3	3.3	4.7	5.0	4.7	4.2
PREMIER	4.0	5.0	71.2	50.0	58.3	43.3	2.3	3.0	4.7	4.7	6.3	4.2
PST-2BLK	6.0	5.5	72.0	46.7	54.2	41.9	2.3	3.3	5.3	4.3	5.7	4.2
KOKOMO II (IS-PR 235)	6.0	5.0	67.3	33.7	54.2	42.4	2.7	3.0	4.0	4.3	6.7	4.1
BREA (04-BRE)	6.0	4.5	62.0	46.7	55.8	39.6	3.0	2.0	4.7	5.7	4.7	4.0
HARRIER (SRX 4UP3)	6.0	4.8	67.8	45.0	58.3	44.6	3.0	2.3	5.7	4.7	4.3	4.0
PICK 02-R	7.0	5.0	68.3	40.0	54.2	43.3	2.7	2.7	4.7	5.3	4.3	3.9
SUNSHINE 2	7.0	4.8	64.5	36.7	55.0	37.1	3.3	2.7	4.0	4.3	5.0	3.9
LINN	4.0	4.8	75.0	20.3	40.8	33.0	1.3	1.7	3.0	3.0	4.0	2.6
LSD VALUE	0.6	6.8	176.2	32.3	26.2	31.2	3.1	2.7	4.4	4.4	2.3	1.9
C.V. (%)	6.5	24.9	31.8	26.2	19.7	39.9	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.

*/ TRAFFIC IS APPLIED USING A BRINKMAN TRAFFIC SIMULATOR FITTED WITH FOOTBALL CLEATS. FIVE TO TEN PASSES PER WEEK ARE APPLIED FOR EIGHT TO TEN WEEKS IN SPRING AND FALL, STARTING IN FALL 2005.

TABLE 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN UNDER TRAFFIC STRESS AT MEAD, NE */
2005-09 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	DOLLAR SPOT	BROWN PATCH WARM TEMP.	YELLOW PATCH	QUALITY RATINGS							MEAN
									APR	MAY	JUN	JUL	AUG	SEP	OCT	
CHIVALRY (APR 1648)	8.6	5.1	8.2	8.7	8.5	6.0	8.0	5.3	6.1	7.1	7.5	6.9	7.2	6.9	7.3	7.1
CUTTER II (PM 101)	8.4	4.9	8.2	8.5	8.6	4.7	6.3	5.0	5.9	6.9	7.6	6.6	6.7	6.9	7.5	7.0
FIJI (GPR)	8.3	4.5	8.3	8.4	8.3	6.0	5.0	3.0	5.9	7.1	7.6	6.7	6.3	6.9	7.6	7.0
ASP6004 (EXS54)	8.5	4.9	8.0	8.5	8.4	5.3	5.7	4.7	5.7	7.2	7.5	6.5	6.5	6.5	7.6	6.9
ASP6006 (LPFG)	8.4	4.9	8.2	8.3	8.7	3.7	4.7	7.0	5.1	7.1	7.7	6.4	6.3	6.9	7.5	6.9
FIREBOLT (PRG HS-01-09)	8.3	4.9	8.1	8.5	8.4	3.0	6.0	5.0	5.3	7.1	7.2	6.4	6.7	6.9	7.6	6.9
NEXUS XR (SNR)	8.5	5.2	8.2	8.3	8.5	5.0	6.0	5.7	5.6	6.9	7.7	6.5	6.7	6.9	7.5	6.9
PICK 02-R	8.5	4.5	8.2	8.5	8.7	2.7	5.0	5.7	5.9	7.4	7.5	6.4	6.1	6.7	7.5	6.9
UNO (D04-11T)	7.9	5.3	8.2	8.5	8.3	4.3	6.7	5.3	5.8	7.1	7.4	6.5	6.3	6.6	7.7	6.9
ASP6005 (AJM)	8.1	5.6	8.4	8.5	8.2	3.3	6.7	5.3	5.6	7.3	7.5	6.1	5.9	6.7	7.4	6.8
DERBY XTREME (IS-PR 268)	7.9	4.5	8.3	8.5	8.5	6.7	5.3	6.3	5.6	7.3	7.4	6.5	6.3	6.5	7.4	6.8
EDGE II (AC2)	7.9	4.9	7.9	8.3	8.5	5.0	5.0	5.3	5.4	6.9	7.4	6.4	6.3	6.7	7.4	6.8
KOKOMO II (IS-PR 235)	8.1	5.0	8.2	8.4	8.4	6.3	5.7	3.0	4.7	6.8	7.1	6.6	7.1	6.9	7.0	6.8
PALMER IV	8.2	4.9	8.3	8.3	8.1	3.3	4.0	4.7	5.6	7.1	7.4	6.0	6.3	6.7	7.5	6.8
PIZZAZZ	7.7	5.1	8.6	8.7	8.7	3.0	6.3	5.3	5.8	6.9	7.1	6.3	6.6	6.7	7.1	6.8
PLEASURE SUPREME (PM 103)	7.8	5.1	8.1	8.3	8.2	2.0	5.0	7.0	5.8	7.4	7.2	6.3	6.3	6.7	7.3	6.8
SILVER DOLLAR	8.1	5.5	8.1	8.4	8.4	6.0	6.3	5.7	5.4	6.9	7.5	6.5	6.2	7.0	7.1	6.8
TR47	8.5	4.8	8.1	8.3	8.0	3.7	4.7	6.7	5.7	7.1	7.4	6.3	6.1	6.6	7.4	6.8
TRANSFORMER (D04-1667)	7.8	4.8	8.1	8.5	8.5	6.0	6.3	5.3	5.9	6.9	7.1	6.5	6.6	6.8	7.0	6.8
VB99	8.4	5.1	7.9	8.4	8.4	3.7	4.3	5.7	5.9	7.1	7.7	6.1	6.3	6.9	7.3	6.8
WIND DANCE 2 (PWDR)	8.4	4.9	8.1	8.2	8.3	4.7	5.7	4.3	5.3	6.9	7.5	6.3	6.3	6.8	7.3	6.8
ALLSTAR 3 (IS-PR 274)	8.1	4.7	7.8	8.5	8.2	4.7	5.3	6.3	5.4	6.9	7.1	6.3	6.4	6.3	7.4	6.7
ATTRIBUTE (IS-PR 270)	8.0	4.8	8.2	8.3	8.1	5.3	5.3	6.3	5.4	6.9	7.6	6.4	6.1	6.5	7.3	6.7
BUENA VISTA	7.9	4.5	8.2	8.5	8.7	6.7	6.3	3.0	5.2	6.9	7.2	6.7	6.5	6.6	7.3	6.7
EXACTA II GLSR (LTP-611-GLSR)	7.7	5.3	8.2	8.5	8.5	4.3	4.3	4.0	5.3	6.8	7.2	6.3	6.4	6.7	7.5	6.7
FIESTA 4 (PICK F4)	8.3	5.3	8.1	8.5	8.1	4.7	5.3	4.7	5.4	6.7	7.3	6.4	6.1	6.6	7.3	6.7
NEXUS XD (SP4)	8.3	5.1	7.9	8.3	8.3	6.0	6.3	6.0	5.3	7.1	7.1	6.1	6.4	6.7	7.5	6.7
PALMER V (RNS)	7.3	5.3	8.1	8.6	8.3	3.3	6.0	7.3	5.6	7.3	7.1	6.3	6.3	6.3	7.2	6.7
SOPRANO (DP1)	8.1	4.9	8.0	8.5	8.5	3.7	6.7	5.3	6.1	6.7	7.1	6.3	5.8	6.5	7.5	6.7
TOP GUN II (JR-324)	7.9	5.0	8.0	8.5	8.4	5.7	6.0	6.0	5.6	6.9	7.1	6.4	6.3	6.9	6.8	6.7
1G SQUARED (APR 1664)	7.8	4.5	8.3	8.5	8.5	4.3	6.0	6.0	5.4	6.7	7.3	6.1	6.1	6.6	7.3	6.6
DELAWARE XL (PICK 01-2)	8.4	4.5	7.8	8.2	8.3	5.0	6.7	4.0	5.3	6.7	7.1	6.2	6.2	6.4	7.1	6.6
ES45	7.9	4.8	7.9	8.0	7.9	5.7	6.0	4.7	5.0	6.7	7.2	6.3	6.3	6.5	6.9	6.6
GRAND SLAM 2 (PST-2GSM)	7.5	4.6	8.1	8.7	8.4	5.0	4.7	5.7	5.2	6.9	7.1	5.9	6.3	6.6	7.1	6.6
KEYSTONE 2 (IS-PR 312)	7.5	4.4	8.6	8.2	8.3	6.7	6.0	3.7	5.9	6.9	7.0	6.3	6.1	6.3	7.1	6.6
PALACE (IS-PR 273)	8.2	5.3	7.9	8.3	8.3	3.3	4.0	7.0	4.8	6.8	7.4	6.1	6.1	6.3	7.2	6.6
PALMER GLS (GL-2)	7.7	5.4	8.3	8.5	8.4	3.7	5.3	6.0	5.6	7.2	7.1	6.3	6.4	6.3	6.9	6.6
PRIMARY (IS-PR 269)	7.5	5.0	7.9	8.7	8.5	6.7	6.7	6.0	5.1	6.8	6.7	6.4	6.4	6.9	7.1	6.6
PROTEGE GLR	7.6	4.6	8.1	8.2	8.6	4.7	5.7	3.7	5.0	6.3	7.3	6.3	6.6	6.6	7.3	6.6
REGAL 5 (IS-PR 271)	8.3	5.0	8.0	8.1	8.2	3.3	3.0	4.7	5.0	7.1	7.5	6.1	5.8	6.6	7.1	6.6
SR 4600 (SRX 4SP)	7.9	4.9	8.0	8.4	8.3	4.0	6.0	5.7	5.6	6.8	7.1	5.9	6.4	6.7	6.9	6.6
STELLAR GL (IS-PR 236)	8.0	4.8	8.1	8.3	8.1	5.0	6.0	5.0	5.0	6.7	7.3	6.5	6.2	6.2	7.3	6.6
SUNSHINE 2	7.8	4.8	8.1	8.3	8.4	3.7	5.7	5.3	5.8	6.7	7.1	6.0	5.9	6.7	7.1	6.6
ASP6001 (RTS)	7.9	5.1	8.1	8.3	8.2	5.7	4.3	6.0	5.2	6.9	7.0	5.9	5.8	6.5	7.1	6.5
ASP6003 (TRS)	8.3	4.2	7.8	7.9	7.8	3.3	3.7	6.3	5.9	6.7	7.3	5.7	5.7	6.5	6.7	6.5
CALYPSO 3 (MS2)	8.0	5.0	8.0	8.0	8.1	2.0	3.0	5.7	5.1	6.7	7.2	6.0	5.6	6.5	7.1	6.5

TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT MEAD, NE */
 2005-09 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	DOLLAR SPOT	BROWN		YELLOW PATCH	APR	MAY	QUALITY RATINGS					MEAN
							PATCH WARM	TEMP.				JUN	JUL	AUG	SEP	OCT	
HALO (KN42)	8.3	5.0	7.7	7.7	8.1	4.3	6.7	4.7	5.3	6.5	6.9	6.1	5.7	6.6	7.3	6.5	
MMW	7.3	5.2	8.2	8.3	8.3	3.0	5.0	5.0	5.1	6.5	6.9	6.1	6.5	6.3	7.3	6.5	
PARAGON GLR	7.6	5.2	8.2	8.2	8.3	3.3	6.0	3.7	5.1	6.5	7.2	6.1	6.1	6.3	7.3	6.5	
PRESIDIO (CNV)	7.7	4.8	8.0	8.3	8.2	4.3	6.0	6.7	5.4	6.7	7.1	6.1	5.8	6.3	7.0	6.5	
REVENGE GLX (JR-348)	7.8	4.8	8.0	8.3	8.0	5.7	5.7	4.7	5.2	6.7	6.9	6.1	6.3	6.6	6.7	6.5	
ZOOM (LCK)	7.3	4.3	8.0	8.3	8.2	4.3	6.0	5.3	5.3	6.4	6.9	6.5	5.9	6.3	7.0	6.5	
AMAZING GS (IS-PR 276)	7.8	4.9	7.7	7.9	8.1	5.3	4.3	7.0	4.8	6.6	6.7	5.8	6.1	6.4	7.1	6.4	
ASP6002 (BPR)	8.3	5.5	7.9	7.9	7.8	4.0	4.3	6.3	5.4	6.3	7.3	5.9	5.8	6.3	6.9	6.4	
CABO II (IS-PR 233)	8.1	4.8	7.7	8.1	8.1	5.3	4.7	5.0	4.7	6.5	6.7	5.8	6.4	6.5	7.0	6.4	
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.6	4.9	7.9	8.2	8.1	5.0	5.0	4.7	5.1	6.5	6.5	6.0	6.4	6.3	6.9	6.4	
FUSION	7.9	4.7	7.6	8.2	8.1	6.7	5.0	4.3	4.4	6.2	6.9	6.3	6.5	6.4	6.9	6.4	
GRAY FOX (PST-2MNG)	7.6	5.6	8.1	8.4	8.3	5.3	6.3	3.7	4.9	6.3	7.0	6.1	6.2	6.6	6.7	6.4	
INSPIRE	7.2	5.3	8.3	8.6	8.6	4.0	5.3	6.7	5.8	6.7	6.9	6.0	6.3	6.3	6.3	6.4	
MONTEREY 3 (JR-408)	7.3	3.9	7.9	8.5	8.5	5.3	6.3	4.3	5.6	6.7	6.8	6.1	5.7	6.5	6.6	6.4	
PINNACLE II	7.4	5.1	8.1	8.5	8.1	3.3	6.0	4.7	5.4	6.7	7.2	5.7	5.9	6.4	7.0	6.4	
PM 102	8.4	4.8	7.7	7.8	8.1	4.3	7.0	4.7	5.3	6.5	6.7	6.2	5.9	6.3	7.3	6.4	
SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	5.3	8.1	8.7	8.4	4.3	5.7	5.3	5.4	6.8	6.9	6.0	6.0	6.5	6.7	6.4	
APPLE GL (AAZ-B104)	7.5	5.1	8.1	8.1	8.1	3.3	5.3	6.3	5.2	6.5	6.5	5.9	5.9	6.5	6.9	6.3	
BREA (04-BRE)	7.8	4.5	8.0	7.9	8.2	3.3	4.7	5.3	5.3	6.6	6.6	5.9	5.5	6.1	6.9	6.3	
DART (APR 1663)	7.8	5.0	7.8	8.5	8.2	5.7	5.3	6.0	5.0	6.5	6.7	5.9	5.9	6.5	7.0	6.3	
DASHER 3 (PICK RB-1)	7.5	5.0	8.1	8.3	8.0	2.3	4.7	6.3	5.0	6.8	7.1	5.5	5.6	6.0	7.2	6.3	
E-99	7.0	5.3	7.5	8.2	8.1	6.7	4.7	5.0	4.9	6.7	6.5	5.8	6.3	6.3	7.0	6.3	
HARRIER (SRX 4UP3)	7.4	4.8	7.9	8.5	8.3	4.7	5.3	4.3	4.6	6.2	6.8	6.2	6.5	5.9	7.1	6.3	
NOTABLE (AF)	7.6	5.2	8.1	8.3	7.9	4.3	6.7	6.7	5.6	6.7	6.5	6.1	5.8	5.9	7.2	6.3	
PIANIST (DP 17-9505)	7.4	4.8	8.1	8.4	8.0	3.0	4.3	6.3	5.0	7.0	6.9	5.8	5.7	6.1	6.5	6.3	
PROTOTYPE (DCM)	7.7	4.8	8.0	8.2	8.1	3.7	6.3	7.0	4.7	6.5	6.5	6.2	5.8	6.4	6.7	6.3	
PST-217	7.1	4.7	8.1	8.5	8.0	5.0	4.3	4.3	5.4	6.7	6.5	5.9	5.7	6.2	6.7	6.3	
RINGER II (04-BEN)	7.3	5.1	8.1	8.5	8.3	5.0	5.0	5.3	5.1	6.7	6.7	6.1	5.7	6.0	6.9	6.3	
ACCENT II (JR-119)	7.1	4.8	8.1	8.3	8.3	5.7	7.0	4.3	5.7	6.5	6.4	5.9	5.7	6.2	6.4	6.2	
BAR LP 4420	7.6	4.8	8.1	7.9	8.1	2.7	5.0	3.7	5.1	6.5	7.1	5.6	5.5	5.9	6.8	6.2	
BARLENNIUM	7.3	4.9	8.3	8.5	8.2	4.0	5.7	4.7	5.4	6.3	6.6	6.0	5.7	6.3	6.6	6.2	
D04-LP05	7.1	4.8	7.8	8.2	8.0	5.0	6.0	6.0	4.9	6.3	6.5	5.8	5.7	6.1	7.1	6.2	
DEFENDER (D04-UP)	7.6	5.2	7.6	8.1	8.2	4.0	5.7	3.3	4.8	6.3	6.5	5.7	5.8	6.5	6.8	6.2	
DP 17-9788	7.3	4.8	8.3	8.5	8.1	2.3	4.7	5.0	5.7	6.6	6.3	5.7	5.8	6.2	6.3	6.2	
GOALKEEPER II (JR-114)	7.4	5.0	7.9	8.1	8.1	2.0	6.0	6.0	5.3	6.5	6.3	5.5	5.8	6.5	6.6	6.2	
HOMERUN (RG3P)	8.1	5.0	7.7	8.1	7.5	6.7	6.3	6.7	4.8	6.5	6.6	6.1	6.1	5.7	6.6	6.2	
LS 2300 (APR 1670)	7.3	5.2	8.2	8.3	8.3	5.0	6.0	5.3	5.0	6.2	6.7	6.1	6.2	5.9	6.4	6.2	
MACH I	7.9	4.8	7.8	8.3	7.8	1.7	5.7	5.3	5.2	6.3	6.8	5.6	5.8	5.8	6.9	6.2	
PACESETTER II (PS-2)	7.7	5.0	7.7	8.0	8.1	5.3	3.7	5.3	4.8	6.0	7.1	5.8	5.9	6.2	6.6	6.2	
PHENOM (APR 1660)	7.7	4.0	7.9	8.1	8.0	5.7	6.0	4.7	5.1	6.6	6.7	6.3	5.7	5.9	6.6	6.2	
PST-2AG4	7.7	4.6	7.5	7.8	8.1	5.3	5.0	4.0	4.8	6.3	6.6	5.5	5.7	6.6	6.9	6.2	
PST-2BLK	7.3	5.1	7.8	8.0	7.9	7.0	5.3	6.7	4.8	6.4	6.3	6.0	6.1	6.4	6.7	6.2	
WAYFARER (L44)	7.9	4.5	7.6	7.6	8.0	4.3	5.0	5.7	4.3	6.3	7.1	5.7	5.9	6.2	7.0	6.2	
FOREVER (DP 17-9499)	7.8	5.3	7.8	7.9	7.5	4.0	5.7	5.7	5.3	6.6	6.5	5.7	5.3	5.9	6.7	6.1	
GALATTI (DP 17-9502)	7.6	4.8	8.0	7.9	8.0	2.3	5.3	4.7	5.1	6.7	6.5	5.7	5.2	6.0	6.7	6.1	
MANHATTAN 5 GLR (PST-2AM)	7.1	5.2	7.8	8.4	8.1	4.3	5.0	4.7	5.1	6.1	6.3	5.8	5.7	6.3	6.4	6.1	

TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN UNDER TRAFFIC STRESS AT MEAD, NE */
2005-09 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	DOLLAR SPOT	BROWN PATCH WARM TEMP.	YELLOW PATCH	APR	MAY	QUALITY RATINGS					MEAN
											JUN	JUL	AUG	SEP	OCT	
OVERDRIVE	7.3	4.6	7.9	8.2	7.7	2.3	5.3	7.0	4.7	6.6	6.9	5.5	5.7	6.0	6.5	6.1
PLATEAU (PST-2LAN)	7.1	4.6	8.2	8.4	8.2	6.3	6.3	3.0	5.1	6.5	6.7	5.9	5.6	5.8	6.4	6.1
BACCARAT (RAD-PR8)	7.3	5.0	8.1	8.3	7.9	4.3	5.0	5.7	5.0	6.5	6.7	5.7	5.5	5.7	6.1	6.0
BAR LP 4317	6.9	5.1	8.0	8.4	8.1	4.7	5.0	5.3	5.2	6.5	6.1	5.8	5.6	5.7	6.3	6.0
BAR LP 4920	7.7	5.2	8.1	7.8	7.8	2.3	7.3	4.7	5.0	6.5	6.7	5.7	5.0	5.9	6.5	6.0
BRIGHTSTAR SLT	7.3	4.5	7.8	8.2	8.2	4.3	7.0	4.7	4.4	6.5	6.2	5.9	5.5	5.9	6.5	6.0
CADDIESHACK II (JR-163)	7.3	4.6	8.0	7.9	8.1	4.3	6.7	3.0	4.9	6.2	6.3	5.7	5.7	6.2	6.5	6.0
GRAY STAR (PST-2LGL)	7.2	4.5	7.1	8.0	7.9	5.7	6.0	5.3	4.7	6.5	6.1	5.7	5.3	6.3	6.5	6.0
HAWKEYE 2 (SRX 4692)	7.2	4.7	7.3	7.9	8.1	5.0	5.3	5.7	4.2	5.9	6.3	5.7	5.7	6.3	6.7	6.0
LA QUINTA (JR-255)	8.0	4.9	7.4	7.7	7.7	3.3	5.3	5.3	4.7	6.1	6.5	5.4	5.3	6.1	6.9	6.0
MAJESTY II (VB77)	8.0	4.7	7.1	7.5	7.7	4.7	3.7	6.0	4.7	6.1	6.7	5.5	5.5	6.0	6.7	6.0
PANTHER GLS	7.0	4.6	7.9	8.1	7.8	3.7	3.3	7.0	5.2	6.5	6.4	5.5	5.7	6.0	6.2	6.0
PREMIER II	7.2	5.1	8.0	8.3	8.2	4.3	6.0	5.0	5.3	6.3	6.2	5.7	5.4	5.9	6.5	6.0
QUICKSILVER	7.4	3.9	7.7	7.3	7.9	7.0	3.7	4.7	5.0	6.3	6.1	5.8	5.5	6.1	6.7	6.0
CITATION FORE	7.1	4.8	8.1	8.1	7.9	4.3	5.0	6.7	5.0	6.3	6.1	5.6	5.5	5.9	6.3	5.9
PENTIUM	6.8	4.8	7.8	8.1	8.3	6.3	7.0	5.0	4.1	5.9	6.1	5.8	5.8	5.9	6.3	5.9
HEADSTART 2	8.0	4.6	7.5	7.5	7.2	3.0	3.0	7.3	5.1	5.9	5.9	5.3	5.3	5.7	6.4	5.8
LINE DRIVE GLS (APR 1797)	7.3	4.8	7.5	8.0	7.8	3.0	3.3	6.7	5.1	6.2	6.3	5.1	5.1	5.7	6.3	5.8
PALMER III	6.9	4.8	7.9	7.9	7.8	3.3	6.0	5.7	5.4	5.9	6.1	5.2	5.1	5.9	6.5	5.8
REPELL GLS	7.3	4.3	6.8	7.5	7.4	5.3	3.7	5.7	5.0	5.7	5.9	5.7	5.2	5.8	6.3	5.8
PANTHER	6.1	5.3	7.9	8.1	7.9	1.3	5.3	6.3	5.3	5.8	5.7	4.7	5.2	5.2	5.9	5.5
SRX 4682	7.0	4.0	7.5	8.0	7.9	5.3	7.0	2.3	4.2	5.7	6.1	4.9	5.0	5.7	6.1	5.5
LPR 02203	6.3	4.3	7.7	8.3	7.8	2.7	6.3	4.7	5.2	5.9	5.3	5.1	4.9	5.3	5.4	5.4
AFFINITY	5.9	4.8	7.8	7.9	8.1	2.0	8.0	7.0	4.0	5.0	5.2	4.9	4.9	5.1	5.3	5.0
PREMIER	6.0	4.8	7.9	8.3	7.7	4.0	4.0	6.7	4.7	5.5	5.0	4.6	4.5	4.8	4.9	4.9
PINNACLE	5.9	4.9	7.5	7.9	7.9	2.3	5.7	6.3	3.7	4.9	4.7	4.4	4.3	4.5	5.3	4.7
LINN	4.2	3.3	5.8	6.1	5.6	4.3	5.3	4.7	1.6	2.8	2.5	2.6	2.4	2.9	3.4	2.7
LSD VALUE	0.5	4.7	1.0	0.7	0.8	2.3	6.9	4.6	1.1	1.4	0.9	1.4	1.3	1.5	1.9	0.8
C.V. (%)	9.5	28.9	12.8	10.5	11.8	30.4	31.1	30.0	20.8	23.0	17.9	25.1	26.0	24.6	26.6	17.8

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.

*/ TRAFFIC IS APPLIED USING A WHEELED GOLF TRAFFIC SIMULATOR. EIGHT TO TWELVE PASSES PER WEEK ARE
APPLIED IN SPRING, SUMMER AND FALL, STARTING IN FALL 2005.

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT ITHACA, NY */
 2005-09 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SEEDLING VIGOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			MAY	JUN	JUL	AUG	SEP	OCT		
KEYSTONE 2 (IS-PR 312)	6.7	5.3	5.1	4.4	4.1	4.4	5.4	5.4	5.0	
AMAZING GS (IS-PR 276)	7.3	6.0	5.4	4.8	4.1	4.3	5.1	5.2	4.9	
CHIVALRY (APR 1648)	6.7	6.0	5.1	4.1	4.2	4.5	5.0	5.2	4.9	
SOPRANO (DP1)	7.0	6.4	4.8	4.0	4.3	4.1	5.3	5.5	4.9	
BACCARAT (RAD-PR8)	7.3	5.7	4.7	3.9	4.3	4.1	5.3	5.3	4.8	
CALYPSO 3 (MS2)	7.3	5.3	4.6	4.1	4.3	4.2	5.0	4.9	4.8	
HOMERUN (RG3P)	6.7	5.3	4.9	4.2	4.0	4.2	4.9	5.1	4.8	
INSPIRE	7.0	5.7	4.8	4.1	4.3	4.4	4.8	4.9	4.8	
MANHATTAN 5 GLR (PST-2AM)	7.0	5.3	4.9	4.1	4.1	4.1	5.0	5.3	4.8	
PALMER V (RNS)	7.0	5.3	4.8	4.1	4.3	4.1	4.9	5.1	4.8	
PST-217	7.0	6.0	4.8	4.2	4.2	4.3	4.8	5.0	4.8	
SECRETARIAT II GLSR (LTP-101-GLSR)	7.0	5.0	4.7	4.1	4.3	4.0	5.3	5.4	4.8	
TOP GUN II (JR-324)	7.0	5.7	4.3	4.3	4.3	4.3	5.2	5.3	4.8	
TRANSFORMER (D04-1667)	5.7	5.3	4.8	4.1	4.0	4.3	5.2	5.0	4.8	
UNO (D04-11T)	7.3	5.0	4.6	3.9	4.2	4.4	5.0	4.9	4.8	
1G SQUARED (APR 1664)	7.0	5.7	5.1	4.0	3.9	3.8	4.9	5.2	4.7	
DERBY XTREME (IS-PR 268)	7.0	5.7	4.6	4.0	3.9	3.8	4.8	5.4	4.7	
EXACTA II GLSR (LTP-611-GLSR)	7.0	5.7	5.0	4.2	4.3	4.3	4.8	4.8	4.7	
FOREVER (DP 17-9499)	7.3	5.7	5.0	4.0	3.9	4.3	4.7	4.8	4.7	
GRAY STAR (PST-2LGL)	7.3	5.7	4.4	4.0	4.1	4.4	4.8	4.9	4.7	
LA QUINTA (JR-255)	6.3	6.0	4.7	4.0	4.0	4.2	4.9	5.1	4.7	
MMW	6.0	5.0	4.3	4.3	4.1	4.1	5.0	5.1	4.7	
PANTHER GLS	7.7	4.0	4.1	4.1	4.2	4.3	4.9	5.3	4.7	
PLATEAU (PST-2LAN)	7.0	6.0	4.7	3.9	4.0	3.9	5.1	5.3	4.7	
REGAL 5 (IS-PR 271)	7.3	5.3	4.4	4.1	3.8	4.2	4.9	5.1	4.7	
APPLE GL (AAZ-B104)	7.3	5.0	4.3	3.7	3.9	3.9	5.0	5.2	4.6	
ASP6004 (EXS54)	6.7	5.0	4.6	4.1	3.8	4.1	5.0	5.0	4.6	
ATTRIBUTE (IS-PR 270)	7.0	5.0	4.4	4.0	3.8	3.9	4.9	5.1	4.6	
BAR LP 4920	7.0	4.7	4.3	3.9	3.8	4.1	4.9	4.9	4.6	
BUENA VISTA	6.7	5.0	4.4	4.0	3.9	4.1	5.1	4.8	4.6	
CABO II (IS-PR 233)	7.0	5.0	4.4	3.8	3.8	4.0	4.8	5.0	4.6	
DART (APR 1663)	6.7	5.0	4.6	4.0	4.0	4.0	4.8	4.8	4.6	
DEFENDER (D04-UP)	7.0	5.3	4.8	4.4	4.0	4.1	4.5	4.5	4.6	
FIJI (GPR)	7.0	5.3	4.4	3.8	4.2	4.1	4.8	5.1	4.6	
FIREBOLT (PRG HS-01-09)	7.0	5.7	4.6	3.9	3.9	3.9	4.8	5.1	4.6	
FUSION	7.3	6.0	5.1	3.7	3.9	3.8	4.6	4.8	4.6	
GRAND SLAM 2 (PST-2GSM)	6.7	5.7	4.7	4.0	4.1	4.2	4.8	4.8	4.6	
LINE DRIVE GLS (APR 1797)	6.3	5.0	4.6	3.8	4.1	4.1	4.8	5.0	4.6	
LS 2300 (APR 1670)	7.0	5.3	4.7	3.8	4.2	4.2	4.7	4.8	4.6	
NOTABLE (AF)	7.0	5.0	4.4	4.1	3.9	4.1	4.7	4.8	4.6	
PALMER GLS (GL-2)	6.7	5.3	4.7	4.1	4.1	4.2	4.8	4.9	4.6	
PLEASURE SUPREME (PM 103)	6.7	5.3	4.6	4.0	4.0	3.9	4.9	4.8	4.6	
REPELL GLS	7.0	6.0	4.7	3.8	4.0	3.8	4.7	5.2	4.6	
REVENGE GLX (JR-348)	6.7	5.3	4.3	3.8	4.3	4.3	4.7	5.0	4.6	
WIND DANCE 2 (PWDR)	7.7	5.7	4.7	4.0	3.8	3.9	4.8	4.9	4.6	
ALLSTAR 3 (IS-PR 274)	6.7	5.3	4.6	4.0	3.8	3.8	4.9	4.8	4.5	

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT ITHACA, NY */
 2005-09 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS								
	SEEDLING VIGOR	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
ASP6006 (LPFG)	7.0	6.0	5.0	4.2	3.8	3.9	4.4	4.6	4.5
BRIGHTSTAR SLT	7.3	5.3	4.3	3.8	4.3	4.2	4.6	4.5	4.5
CADDIESHACK II (JR-163)	7.3	4.7	4.0	4.1	3.9	3.9	4.8	4.9	4.5
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.3	4.7	4.7	3.8	4.0	3.8	4.8	4.8	4.5
CITATION FORE	7.0	5.3	4.4	3.8	4.0	4.0	4.4	4.8	4.5
CUTTER II (PM 101)	6.7	5.7	4.4	4.1	4.0	4.1	4.7	4.7	4.5
E-99	7.3	4.7	4.2	4.0	4.1	3.8	4.8	4.9	4.5
KOKOMO II (IS-PR 235)	5.7	4.3	4.0	3.8	3.9	3.9	4.7	4.9	4.5
MACH I	6.7	5.3	4.4	4.0	3.8	3.8	4.8	4.9	4.5
MAJESTY II (VB77)	7.3	4.0	4.0	4.0	3.8	4.0	4.7	4.9	4.5
NEXUS XR (SNR)	7.3	5.3	4.2	3.9	4.0	4.0	4.8	4.8	4.5
PACESETTER II (PS-2)	7.0	4.3	3.9	3.9	3.9	4.0	4.9	4.7	4.5
PARAGON GLR	6.7	5.7	4.7	3.9	3.8	3.9	4.6	5.1	4.5
PHENOM (APR 1660)	7.0	5.3	4.2	3.8	4.0	4.1	4.7	5.0	4.5
PINNACLE II	7.0	5.3	4.8	4.0	3.8	3.7	4.6	4.8	4.5
PIZZAZZ	7.0	5.3	4.4	3.8	3.8	3.8	4.7	4.8	4.5
PROTEGE GLR	7.3	5.7	4.6	3.8	4.1	3.8	4.7	4.9	4.5
PROTOTYPE (DCM)	6.7	4.3	4.3	3.4	4.1	3.9	4.8	5.1	4.5
PST-2BLK	6.7	5.3	4.4	3.8	3.8	4.1	4.7	4.6	4.5
WAYFARER (L44)	7.3	5.3	4.2	3.4	3.8	3.9	4.8	4.9	4.5
ZOOM (LCK)	7.7	5.7	4.4	3.7	3.9	4.1	4.5	4.8	4.5
ASP6002 (BPR)	6.3	5.0	4.3	4.1	3.6	4.0	4.3	4.7	4.4
ASP6003 (TRS)	7.0	5.3	4.4	3.8	3.7	4.2	4.6	4.5	4.4
ASP6005 (AJM)	6.7	5.3	4.7	3.4	3.8	4.1	4.4	4.7	4.4
DP 17-9788	7.0	5.7	4.9	3.6	3.7	3.7	4.7	4.6	4.4
EDGE II (AC2)	5.7	4.7	4.3	3.8	3.7	3.8	4.8	4.8	4.4
FIESTA 4 (PICK F4)	7.0	4.3	4.3	3.9	3.8	3.8	4.5	4.5	4.4
GALATTI (DP 17-9502)	7.3	4.7	4.1	4.0	3.7	3.6	4.9	4.8	4.4
GOALKEEPER II (JR-114)	8.0	4.7	4.1	3.6	4.0	4.1	4.2	4.6	4.4
HARRIER (SRX 4UP3)	7.3	4.3	3.9	3.6	3.8	3.9	4.7	4.8	4.4
LPR 02203	7.0	4.0	4.0	3.6	3.9	4.0	4.8	4.6	4.4
MONTEREY 3 (JR-408)	7.0	4.3	4.0	3.6	3.8	3.9	4.6	4.8	4.4
NEXUS XD (SP4)	7.7	5.0	4.3	3.7	3.8	3.8	4.8	4.8	4.4
PALMER III	6.7	4.7	4.2	3.8	3.8	4.2	4.5	4.7	4.4
PALMER IV	7.7	5.0	4.2	3.4	3.9	4.1	4.6	4.7	4.4
PANTHER	7.0	4.3	4.0	3.7	3.8	4.0	4.7	4.6	4.4
PENTIUM	7.3	4.7	4.3	4.1	4.1	4.1	4.4	4.4	4.4
PIANIST (DP 17-9505)	7.3	4.7	4.2	4.0	3.9	4.0	4.4	4.4	4.4
PM 102	7.3	5.7	4.6	3.6	3.6	3.9	4.4	4.8	4.4
PREMIER II	7.7	4.0	3.8	3.4	3.8	4.2	4.4	4.8	4.4
PRESIDIO (CNV)	7.0	4.0	4.1	3.8	3.9	3.9	4.5	4.4	4.4
PRIMARY (IS-PR 269)	6.7	4.3	4.4	3.9	3.6	3.9	4.7	4.6	4.4
PST-2AG4	7.0	5.3	4.6	3.6	3.7	4.0	4.5	4.6	4.4
SILVER DOLLAR	6.7	5.7	4.7	4.0	3.8	3.3	4.9	4.9	4.4
STELLAR GL (IS-PR 236)	7.0	4.3	4.2	4.0	3.8	3.8	4.5	4.8	4.4
TR47	7.3	4.7	4.2	3.8	3.8	4.0	4.5	4.8	4.4

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT ITHACA, NY */
 2005-09 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SEEDLING VIGOR	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
VB99	7.3	5.3	4.6	4.0	3.7	3.8	4.4	4.7	4.4
ASP6001 (RTS)	7.0	5.7	4.3	3.7	3.6	3.9	4.3	4.7	4.3
BAR LP 4317	6.0	5.0	4.1	3.8	3.8	3.8	4.4	4.8	4.3
BAR LP 4420	7.0	4.3	4.0	3.7	3.6	3.8	4.6	4.5	4.3
D04-LP05	7.3	4.7	4.2	3.7	3.6	3.9	4.4	4.4	4.3
DASHER 3 (PICK RB-1)	6.7	5.3	4.6	4.2	3.5	3.7	4.3	4.6	4.3
ES45	7.3	5.3	4.4	3.6	3.5	3.9	4.5	4.7	4.3
GRAY FOX (PST-2MNG)	7.3	5.0	4.3	3.6	3.8	3.6	4.6	4.8	4.3
HALO (KN42)	8.0	4.7	4.1	3.8	3.7	3.7	4.3	4.6	4.3
HEADSTART 2	6.0	4.7	4.0	3.7	3.5	4.0	4.4	4.5	4.3
OVERDRIVE	7.7	4.0	4.1	3.7	3.8	3.9	4.3	4.3	4.3
PINNACLE	7.3	5.0	4.2	3.8	3.8	3.8	4.3	4.4	4.3
QUICKSILVER	7.0	4.7	4.0	3.8	3.8	3.8	4.6	4.6	4.3
RINGER II (04-BEN)	7.0	5.3	4.4	3.6	3.7	3.8	4.5	4.7	4.3
SR 4600 (SRX 4SP)	7.3	4.7	4.1	3.8	3.5	3.7	4.5	4.6	4.3
SRX 4682	7.7	5.3	4.1	3.6	3.8	3.8	4.5	4.5	4.3
AFFINITY	7.3	3.7	3.8	3.6	3.8	3.6	4.2	4.6	4.2
BARLENNIUM	6.0	4.3	4.2	3.7	3.3	3.8	4.3	4.7	4.2
BREA (04-BRE)	6.7	5.0	4.3	3.3	3.5	3.8	4.4	4.4	4.2
DELAWARE XL (PICK 01-2)	7.3	4.7	3.9	3.4	3.8	4.0	4.3	4.3	4.2
HAWKEYE 2 (SRX 4692)	6.7	5.3	4.2	3.8	3.5	3.8	4.2	4.3	4.2
PALACE (IS-PR 273)	5.0	4.7	4.1	3.8	3.4	3.8	4.3	4.6	4.2
SUNSHINE 2	6.7	4.7	3.9	3.3	3.8	3.8	4.4	4.3	4.2
ACCENT II (JR-119)	7.0	4.3	4.0	3.7	3.3	3.6	4.3	4.4	4.1
PICK 02-R	7.0	4.7	4.0	3.6	3.5	3.7	4.3	4.3	4.1
PREMIER	7.0	4.0	3.4	2.9	3.7	3.8	4.2	4.3	4.0
LINN	6.7	2.3	2.7	2.8	2.8	3.4	3.4	3.5	3.3
LSD VALUE	2.6	0.8	1.7	3.4	9.6	9.2	8.9	9.1	8.3
C.V. (%)	10.7	16.6	21.9	24.4	46.0	42.5	37.9	37.5	34.6

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.

*/ TRAFFIC IS APPLIED USING A BRINKMAN TRAFFIC SIMULATOR FITTED WITH FOOTBALL CLEATS. ONE PASS PER DAY, FIVE DAYS PER WEEK IS APPLIED FOR EIGHT TO TEN WEEKS IN SPRING AND FALL, STARTING IN FALL 2005.

TABLE 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2005-07 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
UNO (D04-11T)	5.1	4.6	4.6	5.0	6.1	6.2	6.0	5.9	6.0	5.2	6.2	6.0	5.6
DERBY XTREME (IS-PR 268)	4.9	4.7	4.9	5.1	5.3	5.3	5.4	5.3	5.8	6.1	6.6	6.1	5.5
ZOOM (LCK)	5.2	4.8	4.7	4.7	5.2	6.0	5.8	5.1	6.0	6.0	6.1	5.9	5.5
HOMERUN (RG3P)	4.6	4.4	4.4	4.7	6.0	5.7	6.0	5.4	6.1	5.8	5.7	6.0	5.4
PALMER IV	4.7	4.7	4.7	5.1	5.7	5.8	5.1	4.7	5.8	5.8	6.2	6.1	5.4
SR 4600 (SRX 4SP)	4.9	5.1	5.0	5.4	5.3	5.0	5.6	4.8	5.7	6.0	5.9	5.7	5.4
ALLSTAR 3 (IS-PR 274)	4.8	4.8	4.4	4.9	5.6	5.9	5.3	5.1	6.0	5.2	6.0	5.9	5.3
CHIVALRY (APR 1648)	4.6	4.4	4.4	5.1	5.4	5.7	5.6	5.6	6.0	5.9	5.8	5.7	5.3
FIESTA 4 (PICK F4)	4.7	4.7	4.4	4.7	5.3	5.7	5.2	5.6	5.9	5.3	6.2	5.7	5.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.7	4.6	4.3	4.2	5.2	5.0	5.3	5.1	6.0	5.9	6.3	5.6	5.2
EXACTA II GLSR (LTP-611-GLSR)	4.8	4.7	4.6	5.2	5.4	5.3	5.3	4.8	5.2	5.3	6.1	5.8	5.2
APPLE GL (AAZ-B104)	4.9	4.8	4.9	4.9	5.2	5.0	4.7	5.0	4.9	5.3	5.7	5.6	5.1
CITATION FORE	4.4	4.8	4.3	4.9	5.3	4.9	5.7	5.4	5.9	5.2	5.3	5.2	5.1
D04-LP05	4.4	4.6	4.4	5.2	6.1	5.2	5.3	5.1	5.3	5.3	5.2	4.8	5.1
MMW	4.8	4.7	4.3	4.4	5.2	5.4	5.6	4.7	5.2	5.7	6.0	5.2	5.1
PALACE (IS-PR 273)	4.6	4.3	4.3	4.3	4.8	5.0	5.7	5.2	5.7	5.4	6.2	5.4	5.1
PALMER GLS (GL-2)	4.6	4.8	4.4	4.9	5.6	4.9	5.4	4.7	5.3	5.2	5.8	5.7	5.1
PALMER V (RNS)	4.8	4.9	4.7	4.8	5.3	5.0	5.0	5.0	5.4	5.1	5.6	5.4	5.1
PIZZAZZ	4.6	4.6	4.2	4.3	4.7	5.4	5.7	5.2	5.8	5.4	5.6	5.3	5.1
PRIMARY (IS-PR 269)	4.6	4.7	4.4	4.4	5.3	5.3	5.4	5.1	5.3	5.0	5.8	5.4	5.1
PROTOTYPE (DCM)	4.8	4.6	4.7	5.0	5.7	5.2	5.4	4.9	5.4	5.0	5.4	5.3	5.1
REGAL 5 (IS-PR 271)	4.6	4.4	4.1	4.0	5.3	5.2	5.8	5.3	5.3	5.6	5.7	5.6	5.1
ATTRIBUTE (IS-PR 270)	4.1	4.3	4.6	4.1	5.0	5.3	5.2	5.0	5.1	5.7	6.0	5.1	5.0
BUENA VISTA	4.8	4.7	4.4	4.7	5.2	4.3	4.8	4.2	5.2	5.1	6.0	6.0	5.0
DASHER 3 (PICK RB-1)	4.9	4.6	4.4	4.4	5.3	5.1	4.9	4.7	5.0	4.8	5.7	5.7	5.0
FOREVER (DP 17-9499)	4.3	4.4	4.4	4.4	4.8	5.3	5.8	5.3	5.6	5.0	4.9	5.2	5.0
KEYSTONE 2 (IS-PR 312)	4.3	4.2	4.6	4.2	5.6	5.7	5.7	5.0	5.4	5.0	5.2	5.2	5.0
LINE DRIVE GLS (APR 1797)	4.2	4.1	4.0	4.2	5.1	5.7	5.8	5.1	6.0	5.6	5.4	5.2	5.0
OVERDRIVE	4.6	4.8	4.2	4.6	5.0	5.2	5.2	5.0	5.3	5.6	5.1	5.0	5.0
PARAGON GLR	4.8	4.7	4.4	4.7	5.0	5.1	5.0	4.9	5.3	4.8	5.6	5.6	5.0
SILVER DOLLAR	4.3	4.4	4.1	4.2	4.8	5.2	5.6	5.2	6.1	5.7	5.1	5.7	5.0
SOPRANO (DP1)	4.7	4.9	4.4	4.4	5.3	4.7	5.0	4.9	5.4	5.2	6.0	5.2	5.0
STELLAR GL (IS-PR 236)	4.6	4.1	4.4	4.7	5.1	5.4	5.3	4.7	5.3	5.1	6.0	5.6	5.0
TRANSFORMER (D04-1667)	4.1	4.0	4.4	4.7	5.1	4.8	5.2	5.0	5.7	5.8	5.4	5.2	5.0
1G SQUARED (APR 1664)	4.4	4.2	4.3	4.6	5.6	5.1	5.0	4.6	5.6	5.1	5.2	5.2	4.9
AMAZING GS (IS-PR 276)	4.8	4.4	4.4	4.2	5.3	4.7	5.1	4.9	5.4	5.0	5.4	5.0	4.9
DEFENDER (D04-UP)	4.4	4.2	4.3	4.7	5.0	4.7	4.9	4.3	5.1	5.3	5.8	5.7	4.9
E-99	4.3	4.3	4.0	4.8	5.3	5.0	5.1	5.3	5.1	5.4	5.2	5.3	4.9
EDGE II (AC2)	4.4	4.2	4.0	4.3	5.1	5.1	5.6	4.9	5.6	5.4	5.2	5.0	4.9
GALATTI (DP 17-9502)	4.1	4.4	4.0	4.4	5.3	5.7	5.6	5.0	5.1	4.9	5.1	5.1	4.9
KOKOMO II (IS-PR 235)	5.1	4.8	4.4	4.7	5.0	4.9	4.4	4.4	4.8	5.2	5.7	5.6	4.9
PHENOM (APR 1660)	4.3	4.4	4.3	4.3	5.2	4.6	5.3	5.1	5.8	5.1	5.1	4.8	4.9
REPELL GLS	4.4	4.2	4.2	4.8	5.3	4.7	5.2	4.4	6.0	5.3	5.4	5.2	4.9
REVENGE GLX (JR-348)	4.6	4.3	4.3	4.7	5.3	5.1	5.0	4.7	5.0	5.1	5.4	5.0	4.9
ASP6003 (TRS)	4.4	4.4	4.0	4.1	5.3	5.1	5.1	4.4	5.4	4.9	4.9	4.9	4.8
BACCARAT (RAD-PR8)	4.3	4.2	3.7	4.0	5.0	5.2	5.4	5.2	5.4	5.2	4.8	4.9	4.8

TABLE 12. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2005-07 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CABO II (IS-PR 233)	4.4	4.6	3.8	4.1	4.8	5.1	5.1	4.6	4.8	5.0	5.7	5.3	4.8
CUTTER II (PM 101)	4.6	4.3	4.0	4.0	4.7	5.7	5.7	4.6	4.9	5.3	5.0	5.3	4.8
DART (APR 1663)	4.6	4.2	4.3	4.7	5.0	4.7	4.4	4.9	5.2	5.4	5.0	5.1	4.8
FUSION	4.9	4.4	4.2	4.1	5.0	4.4	4.4	4.3	5.2	5.6	5.6	5.7	4.8
GRAND SLAM 2 (PST-2GSM)	4.6	4.3	4.0	4.6	5.0	4.6	4.9	5.0	5.2	5.4	5.3	5.2	4.8
MACH I	4.4	4.0	4.2	4.3	5.1	5.1	5.3	5.0	5.1	5.1	5.2	4.8	4.8
PANTHER GLS	4.6	4.3	3.9	4.7	5.1	4.9	5.1	4.8	4.9	5.3	5.0	4.9	4.8
PIANIST (DP 17-9505)	4.3	3.9	3.7	4.3	4.9	5.3	5.4	5.2	5.7	5.3	4.8	5.1	4.8
PROTEGE GLR	5.1	4.4	4.4	4.3	5.2	5.1	4.8	4.7	4.6	4.7	5.0	5.7	4.8
SECRETARIAT II GLSR (LTP-101-GLSR)	4.4	4.3	3.9	4.8	5.0	4.6	4.6	4.9	5.3	5.1	5.0	5.1	4.8
TR47	4.0	4.2	4.0	4.4	4.9	5.1	5.3	5.0	5.3	4.9	5.0	4.8	4.8
ASP6002 (BPR)	4.3	4.2	3.7	3.9	5.0	5.3	5.3	4.8	5.0	4.9	4.8	4.7	4.7
ASP6006 (LPFG)	4.2	4.3	3.7	4.3	5.1	4.9	4.6	4.3	5.2	5.0	5.1	5.2	4.7
BAR LP 4920	4.3	4.2	3.9	4.3	4.8	4.9	5.1	4.9	5.0	5.3	5.0	4.8	4.7
BRIGHTSTAR SLT	4.1	3.9	3.8	4.8	4.9	5.1	5.2	5.0	5.0	5.1	4.7	4.8	4.7
CALYPSO 3 (MS2)	4.3	4.1	3.7	4.2	4.8	4.9	5.0	5.0	5.0	5.6	5.0	4.9	4.7
GRAY STAR (PST-2LGL)	4.3	4.0	4.0	4.2	5.0	4.6	5.0	4.7	5.3	5.3	4.9	4.9	4.7
HARRIER (SRX 4UP3)	4.7	4.6	4.4	4.6	4.9	5.0	5.0	4.3	4.4	4.8	5.1	4.6	4.7
LS 2300 (APR 1670)	4.0	4.0	3.8	4.3	5.4	5.0	5.0	5.0	5.6	4.9	4.6	4.9	4.7
MANHATTAN 5 GLR (PST-2AM)	4.2	4.1	4.1	4.6	4.8	4.6	4.8	5.1	5.8	5.1	5.0	4.3	4.7
NOTABLE (AF)	4.2	4.6	4.1	5.0	4.8	4.9	5.2	4.2	4.8	4.9	5.0	5.0	4.7
PICK 02-R	4.4	4.3	4.0	4.0	4.7	5.3	4.7	4.3	5.0	5.2	5.0	4.9	4.7
PST-217	4.4	4.0	4.2	4.6	4.9	5.1	5.0	4.6	5.1	4.9	4.8	4.8	4.7
PST-2BLK	4.2	4.1	4.1	4.7	5.0	5.0	4.9	4.7	5.2	5.3	4.6	4.7	4.7
SUNSHINE 2	4.3	4.4	3.9	4.3	5.0	4.9	4.7	4.3	4.9	4.9	5.4	5.3	4.7
ASP6004 (EXS54)	4.2	4.1	3.9	4.4	4.9	4.9	5.1	4.8	4.8	5.0	4.8	4.9	4.6
BAR LP 4317	3.7	4.1	3.8	4.2	4.9	4.7	5.6	5.0	4.9	4.9	4.7	4.7	4.6
DELAWARE XL (PICK 01-2)	4.2	4.0	3.9	3.9	4.7	4.8	4.9	4.2	4.9	5.0	5.3	4.9	4.6
DP 17-9788	3.9	4.1	3.9	4.3	4.8	4.7	5.2	5.0	4.8	5.2	4.8	4.9	4.6
HEADSTART 2	4.3	3.9	4.0	4.0	4.9	5.0	5.1	4.4	4.8	5.1	4.6	4.6	4.6
MAJESTY II (VB77)	4.1	4.1	3.8	3.9	4.8	4.8	5.4	4.2	4.8	4.9	5.1	5.1	4.6
PACESETTER II (PS-2)	4.0	3.9	3.7	3.8	4.9	4.9	5.4	4.8	4.9	5.1	4.6	4.8	4.6
PINNACLE II	4.3	4.1	3.8	4.0	4.7	4.6	5.0	4.7	5.2	5.0	5.0	5.1	4.6
PLATEAU (PST-2LAN)	3.9	4.0	3.6	4.3	4.6	4.7	5.1	5.6	5.4	5.4	4.4	4.4	4.6
PLEASURE SUPREME (PM 103)	4.3	4.1	4.1	4.1	5.1	5.1	4.9	4.7	4.6	4.7	4.6	4.7	4.6
PM 102	4.1	4.1	4.1	4.4	5.4	4.9	4.7	4.3	4.6	4.9	4.3	4.8	4.6
PST-2AG4	4.3	4.6	3.9	3.8	4.8	4.8	4.9	4.2	5.0	5.1	5.3	5.1	4.6
QUICKSILVER	4.1	4.2	4.0	4.1	4.9	4.8	5.2	4.4	4.9	4.8	4.8	4.6	4.6
TOP GUN II (JR-324)	3.8	3.8	4.0	4.1	4.7	5.1	4.8	4.9	5.3	5.3	5.1	4.9	4.6
WAYFARER (L44)	4.0	3.9	3.8	3.9	5.0	5.2	5.0	4.6	5.0	5.0	4.8	5.1	4.6
WIND DANCE 2 (PWDR)	4.2	4.0	4.0	4.1	4.9	5.0	4.8	4.7	5.2	5.4	5.0	4.4	4.6
ACCENT II (JR-119)	4.0	4.0	3.7	4.0	4.7	5.1	5.4	4.6	5.0	4.7	4.9	4.6	4.5
BAR LP 4420	4.3	3.9	4.1	4.2	4.7	5.2	5.1	4.2	4.2	4.9	4.8	4.7	4.5
ES45	4.1	4.1	3.6	3.8	5.0	4.8	5.3	4.4	5.0	4.6	5.0	4.7	4.5
FIJI (GPR)	4.1	4.2	4.0	4.1	4.8	4.8	4.7	4.3	4.9	4.7	4.7	5.1	4.5
GRAY FOX (PST-2MNG)	4.2	4.2	3.9	4.3	4.8	4.9	4.3	4.6	5.0	5.0	4.2	4.8	4.5

TABLE 12. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2005-09 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
LA QUINTA (JR-255)	4.1	4.3	4.1	4.3	5.2	4.9	4.8	4.2	4.7	4.7	4.4	4.3	4.5
MONTEREY 3 (JR-408)	3.7	3.8	3.7	3.9	4.4	5.0	5.4	4.9	5.2	5.0	4.9	4.7	4.5
NEXUS XR (SNR)	4.1	3.9	4.2	4.1	4.9	5.2	4.8	4.4	4.8	4.4	4.6	4.7	4.5
PENTIUM	4.0	3.9	3.7	4.4	4.9	4.8	4.8	4.9	4.8	4.9	4.6	4.6	4.5
PRESIDIO (CNV)	4.1	3.8	3.9	4.0	4.8	4.9	4.4	4.2	4.8	5.0	4.9	4.8	4.5
RINGER II (04-BEN)	4.1	4.2	3.9	4.2	4.8	4.6	4.7	4.6	4.8	4.9	4.3	4.9	4.5
ASP6001 (RTS)	3.8	3.8	3.4	3.7	4.8	5.1	4.7	4.8	5.1	4.7	4.3	4.4	4.4
ASP6005 (AJM)	4.0	3.9	3.4	3.7	4.6	5.0	5.1	4.6	4.6	4.8	4.3	4.4	4.4
BREA (04-BRE)	3.8	3.9	3.9	3.9	4.4	4.4	4.6	4.7	4.7	5.0	4.8	4.4	4.4
GOALKEEPER II (JR-114)	3.8	3.8	3.7	4.0	4.9	4.9	4.8	4.6	4.8	4.6	4.1	4.4	4.4
HALO (KN42)	4.1	3.8	3.7	3.9	4.6	4.7	4.7	4.7	4.7	4.6	4.7	4.8	4.4
HAWKEYE 2 (SRX 4692)	4.0	4.0	3.7	3.9	5.0	4.7	5.0	4.7	4.7	4.7	4.2	4.6	4.4
INSPIRE	3.8	3.6	3.7	4.2	4.6	5.0	5.1	4.3	4.8	5.0	4.2	4.3	4.4
SRX 4682	3.9	3.8	3.4	4.2	4.7	4.6	4.8	4.6	4.6	5.2	4.4	4.4	4.4
VB99	4.0	4.1	4.0	4.0	4.4	4.4	4.4	4.2	4.6	4.7	4.8	4.6	4.4
PALMER III	3.7	3.8	3.8	3.9	4.7	4.6	5.1	4.8	4.8	4.6	4.6	4.0	4.3
PANTHER	3.6	3.4	3.6	3.9	4.4	4.6	5.0	4.8	5.0	4.9	4.2	4.1	4.3
PREMIER II	3.9	3.9	3.2	4.1	4.7	4.7	5.0	4.3	5.1	4.6	4.4	4.2	4.3
BARLENNIUM	3.6	3.6	3.1	3.7	4.4	4.4	4.9	4.6	4.6	5.0	4.1	4.2	4.2
FIREBOLT (PRG HS-01-09)	4.1	3.9	3.3	3.6	4.1	4.4	5.3	3.9	4.3	4.3	4.2	4.7	4.2
NEXUS XD (SP4)	3.9	4.0	3.6	3.8	4.2	4.8	4.3	4.2	4.7	4.6	4.0	3.9	4.2
AFFINITY	3.7	3.4	3.0	4.1	4.4	4.7	4.9	4.6	4.6	4.3	4.0	4.1	4.1
LPR 02203	3.4	3.6	3.6	4.2	4.8	4.1	4.6	3.8	4.2	4.4	4.2	4.0	4.1
PINNACLE	3.8	3.4	3.3	4.2	4.2	4.3	4.4	4.6	4.8	4.3	4.0	4.0	4.1
PREMIER	3.7	3.6	3.7	4.1	4.8	4.4	4.7	4.4	4.4	4.1	3.9	4.0	4.1
CADDIESHACK II (JR-163)	3.4	3.7	3.4	3.6	4.1	4.4	4.7	4.4	4.3	4.8	3.7	4.0	4.0
LINN	3.6	2.9	3.1	3.0	3.1	3.2	3.6	3.3	3.9	3.7	3.7	3.1	3.3
LSD VALUE	0.6	0.6	0.7	0.8	1.1	1.3	5.5	1.3	1.4	1.1	1.5	3.3	0.4
C.V. (%)	14.8	14.9	17.7	17.4	18.2	19.5	27.5	19.8	20.9	17.7	26.2	30.5	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.

*/ TRAFFIC IS APPLIED USING A BRINKMAN TRAFFIC SIMULATOR FITTED WITH FOOTBALL CLEATS. TWELVE PASSES PER WEEK FOR EIGHT WEEKS ARE APPLIED IN SPRING AND FALL, STARTING IN FALL 2005.

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
2005-07 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	MOWING QUALITY	FALL COLOR OCTOBER	DISEASE COMPLEX **/	DISEASE RATINGS ***/
UNO (D04-11T)	7.6	8.3	8.0	9.0	70.0	98.3	99.0	5.7	7.3	5.7	3.7
DERBY XTREME (IS-PR 268)	8.2	8.3	7.0	7.7	73.3	95.5	99.0	6.0	7.7	6.0	5.3
ZOOM (LCK)	7.3	8.3	7.7	8.3	70.0	98.3	98.3	5.3	7.0	6.7	4.7
HOMERUN (RG3P)	7.3	8.3	7.3	8.0	76.7	98.3	98.3	6.7	6.7	5.7	4.7
PALMER IV	8.0	8.5	7.7	8.3	76.7	97.5	98.3	4.7	7.7	4.7	4.3
SR 4600 (SRX 4SP)	7.8	8.5	7.3	8.0	73.3	91.2	98.3	5.7	8.0	5.3	4.7
ALLSTAR 3 (IS-PR 274)	7.4	8.3	7.7	8.0	80.0	97.7	98.3	5.7	7.7	4.3	4.0
CHIVALRY (APR 1648)	8.3	8.2	7.7	8.0	76.7	97.7	99.0	9.0	7.3	5.0	4.0
FIESTA 4 (PICK F4)	7.9	8.3	7.3	8.0	66.7	98.3	99.0	6.7	7.7	4.7	4.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.4	8.0	6.7	7.7	66.7	98.3	99.0	7.7	7.3	4.7	3.7
EXACTA II GLSR (LTP-611-GLSR)	8.3	8.3	7.3	8.7	73.3	97.7	97.7	4.3	8.0	5.3	4.3
APPLE GL (AAZ-B104)	7.8	8.0	6.7	8.0	80.0	96.3	97.5	5.3	7.3	5.3	4.3
CITATION FORE	7.1	8.2	7.7	8.0	70.0	97.7	98.3	9.0	7.0	5.0	4.0
D04-LP05	7.4	8.3	7.0	8.3	70.0	97.5	98.3	6.3	7.0	5.0	3.7
MMW	7.8	8.5	7.7	8.3	76.7	98.3	97.7	6.0	8.0	4.7	4.7
PALACE (IS-PR 273)	8.2	8.3	7.7	8.3	63.3	98.3	97.5	8.0	8.0	5.7	4.0
PALMER GLS (GL-2)	7.6	8.7	7.3	8.7	70.0	99.0	98.3	5.0	7.7	5.7	4.3
PALMER V (RNS)	7.2	8.3	6.3	8.7	73.3	97.5	98.3	5.0	7.3	6.3	4.3
PIZZAZZ	7.6	8.5	8.3	8.3	73.3	99.0	98.3	7.3	7.7	5.0	4.7
PRIMARY (IS-PR 269)	7.1	7.8	6.7	8.0	70.0	98.3	97.0	6.0	6.7	5.3	3.7
PROTOTYPE (DCM)	6.9	8.3	7.7	8.0	76.7	97.7	98.3	6.0	6.3	4.7	4.3
REGAL 5 (IS-PR 271)	8.1	8.2	7.7	7.7	73.3	99.0	97.0	8.3	7.7	4.3	3.7
ATTRIBUTE (IS-PR 270)	7.7	8.2	7.0	8.3	66.7	98.3	96.8	7.0	7.7	5.0	3.7
BUENA VISTA	7.7	8.5	7.0	8.3	70.0	99.0	97.0	5.0	8.3	6.0	4.0
DASHER 3 (PICK RB-1)	7.2	8.3	6.7	8.0	73.3	96.8	96.8	4.3	7.0	5.7	4.0
FOREVER (DP 17-9499)	8.1	8.3	8.0	8.0	66.7	96.8	97.7	8.3	7.0	6.3	3.7
KEYSTONE 2 (IS-PR 312)	7.2	8.2	7.3	7.3	66.7	98.3	98.3	5.3	7.0	4.7	4.3
LINE DRIVE GLS (APR 1797)	7.1	8.3	7.0	8.0	73.3	97.7	98.3	7.7	6.7	4.7	4.3
OVERDRIVE	7.3	8.0	7.7	8.3	73.3	98.3	96.8	8.0	6.7	5.7	4.0
PARAGON GLR	7.7	8.5	7.7	8.3	66.7	99.0	98.3	5.0	6.7	5.7	4.3
SILVER DOLLAR	7.8	8.2	7.0	7.7	70.0	97.7	98.3	8.3	7.0	4.7	4.3
SOPRANO (DP1)	7.8	8.3	6.7	8.7	76.7	96.2	98.3	5.7	7.7	5.3	4.3
STELLAR GL (IS-PR 236)	8.2	8.3	6.7	8.0	70.0	98.3	99.0	5.0	7.7	4.0	5.0
TRANSFORMER (D04-1667)	6.7	7.7	6.3	8.3	66.7	98.3	98.3	7.0	7.0	5.3	3.7
1G SQUARED (APR 1664)	7.1	8.5	7.0	8.7	63.3	99.0	98.3	5.7	6.7	4.7	4.3
AMAZING GS (IS-PR 276)	8.0	8.3	7.0	8.3	73.3	96.8	96.2	6.0	7.0	6.3	4.3
DEFENDER (D04-UP)	7.1	8.3	7.0	8.0	63.3	99.0	97.0	5.3	7.7	5.3	4.0
E-99	6.8	8.2	6.3	8.3	63.3	98.3	96.2	6.0	6.7	5.0	3.7
EDGE II (AC2)	8.2	8.3	8.0	7.7	66.7	98.3	97.7	7.7	7.0	4.7	4.3
GALATTI (DP 17-9502)	7.6	7.8	7.7	7.7	70.0	97.7	97.7	7.7	7.7	5.0	3.7
KOKOMO II (IS-PR 235)	8.2	8.5	6.7	8.0	73.3	91.3	96.8	5.3	7.3	5.7	5.3
PHENOM (APR 1660)	7.4	8.0	7.0	7.7	73.3	96.2	98.3	6.7	6.7	5.0	4.0
REPELL GLS	7.0	7.7	6.3	8.7	70.0	97.7	99.0	5.3	6.3	4.7	4.3
REVENGE GLX (JR-348)	7.9	8.5	7.3	8.3	73.3	98.3	98.3	7.0	7.7	5.7	4.7
ASP6003 (TRS)	8.7	8.0	8.0	7.7	76.7	96.8	98.3	8.0	8.0	4.0	3.7
BACCARAT (RAD-PR8)	7.1	7.7	7.3	7.3	66.7	97.0	97.7	8.7	6.3	4.7	4.0

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2005-07 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	MOWING QUALITY	FALL COLOR OCTOBER	DISEASE COMPLEX**/	DISEASE RATINGS***/
CABO II (IS-PR 233)	8.8	7.5	7.0	7.7	66.7	96.8	96.8	6.7	7.3	5.3	3.7
CUTTER II (PM 101)	8.1	8.0	7.3	7.3	70.0	97.7	97.5	7.3	7.3	5.0	4.0
DART (APR 1663)	6.9	8.2	6.7	7.3	66.7	96.3	96.2	6.7	6.7	5.0	4.0
FUSION	7.9	7.8	7.0	7.7	76.7	97.0	96.2	5.0	7.3	5.7	5.3
GRAND SLAM 2 (PST-2GSM)	7.1	7.8	7.0	7.3	66.7	97.0	96.8	6.0	6.0	4.7	3.7
MACH I	7.6	8.2	7.7	8.0	63.3	98.3	96.2	7.3	7.0	4.7	4.0
PANTHER GLS	7.3	8.0	7.3	7.0	70.0	96.8	96.0	7.7	6.7	5.0	3.3
PIANIST (DP 17-9505)	7.6	7.7	6.7	7.7	60.0	98.3	97.5	7.7	6.7	5.0	3.3
PROTEGE GLR	8.0	8.5	7.0	8.3	73.3	95.5	98.3	3.0	8.0	6.0	4.7
SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	8.3	6.7	8.0	73.3	96.3	96.0	6.3	6.7	5.7	3.7
TR47	9.0	7.7	7.3	7.7	66.7	97.5	96.8	8.0	9.0	4.3	4.0
ASP6002 (BPR)	9.0	8.2	8.3	8.0	66.7	97.0	96.0	7.7	8.3	4.7	4.0
ASP6006 (LPFG)	8.6	7.8	7.7	7.3	70.0	97.7	96.8	7.0	7.7	4.0	4.3
BAR LP 4920	7.3	8.0	7.0	7.3	66.7	97.7	96.2	8.3	7.3	4.7	3.7
BRIGHTSTAR SLT	6.9	8.0	6.3	7.7	66.7	97.7	97.7	8.7	6.0	3.7	3.7
CALYPSO 3 (MS2)	8.2	7.8	7.0	7.7	70.0	96.2	96.8	7.3	7.7	4.3	3.3
GRAY STAR (PST-2LGL)	7.6	7.8	7.3	7.3	70.0	95.5	96.2	6.0	7.3	5.0	3.7
HARRIER (SRX 4UP3)	7.1	8.3	6.3	7.7	70.0	97.0	97.7	3.7	7.0	5.7	4.3
LS 2300 (APR 1670)	7.0	7.8	6.7	7.3	66.7	96.8	97.5	8.3	6.3	3.7	4.0
MANHATTAN 5 GLR (PST-2AM)	7.0	8.2	6.7	7.7	66.7	97.0	96.8	8.0	6.7	4.7	3.7
NOTABLE (AF)	6.8	7.8	7.3	7.7	73.3	97.0	96.2	5.0	7.0	5.0	3.3
PICK 02-R	8.8	8.2	7.7	7.0	80.0	95.5	96.2	7.7	8.0	4.3	4.0
PST-217	7.2	8.3	7.7	8.0	70.0	97.7	96.2	7.7	7.0	5.0	4.3
PST-2BLK	8.1	7.8	6.0	7.3	80.0	98.3	96.8	7.7	7.7	3.7	4.0
SUNSHINE 2	8.7	8.0	8.3	7.0	73.3	95.5	96.2	7.0	8.3	3.7	4.0
ASP6004 (EXS54)	8.3	8.2	7.3	7.7	70.0	97.0	98.3	7.0	7.7	4.7	4.3
BAR LP 4317	6.2	7.5	7.3	7.7	70.0	97.0	97.0	7.7	6.0	4.3	3.3
DELAWARE XL (PICK 01-2)	8.4	8.2	7.3	7.7	66.7	97.0	95.3	8.0	8.0	4.0	4.3
DP 17-9788	6.3	7.7	7.0	7.7	66.7	96.3	95.3	8.3	5.7	4.7	3.0
HEADSTART 2	8.7	8.2	7.3	7.3	73.3	97.7	96.2	6.7	8.7	4.0	3.7
MAJESTY II (VB77)	8.4	7.7	8.0	7.3	63.3	99.0	97.0	8.0	7.7	4.0	3.7
PACESETTER II (PS-2)	6.8	7.5	8.0	7.3	70.0	94.7	95.3	7.3	7.0	3.7	3.3
PINNACLE II	7.6	8.0	7.3	7.7	66.7	97.7	96.8	7.0	7.7	5.0	3.7
PLATEAU (PST-2LAN)	7.0	7.5	7.0	6.7	70.0	96.8	96.2	8.3	6.7	4.0	3.0
PLEASURE SUPREME (PM 103)	7.9	8.2	7.3	7.3	70.0	96.2	96.2	6.7	7.3	4.7	4.0
PM 102	8.7	7.8	6.7	6.7	73.3	95.0	97.0	5.3	7.7	4.7	4.3
PST-2AG4	7.8	8.2	6.3	7.3	70.0	97.7	98.3	7.7	7.3	4.7	4.3
QUICKSILVER	7.4	7.8	7.7	7.0	70.0	95.5	96.8	7.3	6.7	4.3	3.7
TOP GUN II (JR-324)	7.6	7.7	7.0	6.7	70.0	96.8	96.2	8.7	8.3	3.3	4.0
WAYFARER (L44)	8.8	8.2	7.7	6.7	70.0	96.2	97.7	8.0	7.3	3.3	3.7
WIND DANCE 2 (PWDR)	8.4	8.2	7.0	7.7	66.7	97.0	97.5	8.3	7.7	4.3	3.7
ACCENT II (JR-119)	6.8	7.5	8.0	7.0	63.3	99.0	95.3	8.0	7.0	3.0	3.3
BAR LP 4420	7.4	8.3	7.7	7.7	66.7	95.7	94.5	6.3	7.3	5.3	4.0
ES45	8.7	7.5	7.7	7.0	70.0	97.7	97.7	7.3	7.7	3.3	3.7
FIJI (GPR)	8.4	7.7	7.3	7.0	70.0	94.5	94.5	7.0	7.3	3.0	3.3
GRAY FOX (PST-2MNG)	6.8	8.0	6.0	8.0	73.3	96.2	96.8	6.7	6.7	5.0	4.0

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2005-07 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	MOWING QUALITY	FALL COLOR OCTOBER	DISEASE COMPLEX**/	DISEASE RATINGS***/
LA QUINTA (JR-255)	8.6	8.0	6.7	7.0	73.3	94.5	96.0	6.7	7.3	4.7	4.0
MONTEREY 3 (JR-408)	7.3	7.8	7.7	7.0	63.3	97.7	98.3	9.0	6.7	2.3	4.0
NEXUS XR (SNR)	8.3	8.2	8.3	7.3	60.0	96.2	96.2	7.3	8.0	3.7	4.0
PENTIUM	6.4	7.5	6.7	7.0	63.3	96.3	96.2	6.3	6.0	4.3	3.3
PRESIDIO (CNV)	8.2	7.8	7.7	7.0	70.0	93.2	95.3	7.7	7.7	4.3	4.0
RINGER II (04-BEN)	7.2	7.8	6.7	7.7	63.3	98.3	96.2	5.3	7.0	5.0	3.7
ASP6001 (RTS)	8.3	7.3	8.0	7.3	63.3	97.0	96.8	8.0	8.0	3.3	3.0
ASP6005 (AJM)	8.9	8.2	7.3	7.3	63.3	96.3	96.2	7.7	9.0	4.3	3.3
BREA (04-BRE)	7.3	8.2	6.7	7.3	70.0	96.3	96.8	7.3	6.7	4.0	3.7
GOALKEEPER II (JR-114)	7.6	7.8	7.0	6.7	73.3	95.7	95.3	7.7	6.7	3.0	3.7
HALO (KN42)	8.7	7.5	7.0	7.7	70.0	97.0	95.3	8.3	7.0	4.7	3.7
HAWKEYE 2 (SRX 4692)	7.2	8.0	6.0	7.0	66.7	98.3	96.0	7.7	7.0	4.3	4.0
INSPIRE	6.4	7.7	6.3	7.3	70.0	97.7	96.0	7.0	6.7	4.0	3.7
SRX 4682	6.6	7.7	6.0	6.7	60.0	97.0	95.3	7.7	6.3	4.0	3.3
VB99	8.7	7.5	6.7	6.3	66.7	95.5	96.2	7.0	8.0	4.7	3.3
PALMER III	6.3	7.5	7.3	6.7	60.0	97.0	95.3	8.7	6.0	3.3	3.3
PANTHER	5.9	7.7	6.7	7.3	56.7	97.7	97.0	8.7	6.3	3.3	3.0
PREMIER II	5.8	7.3	7.3	7.0	60.0	94.5	95.3	9.0	6.0	4.7	2.3
BARLENNIUM	6.4	7.3	6.3	7.0	63.3	97.7	95.3	6.7	6.3	3.0	3.3
FIREBOLT (PRG HS-01-09)	8.7	7.5	6.7	6.3	66.7	96.3	96.0	8.0	7.0	4.7	4.0
NEXUS XD (SP4)	8.8	8.0	7.0	6.7	70.0	94.7	96.8	8.3	8.3	3.0	3.3
AFFINITY	5.3	7.7	6.7	7.7	53.3	97.7	94.5	9.0	5.0	5.0	2.7
LPR 02203	5.1	7.5	6.7	7.0	50.0	94.7	94.5	8.3	5.3	3.3	3.3
PINNACLE	5.0	7.5	6.3	8.0	60.0	96.3	94.5	9.0	5.3	3.3	3.3
PREMIER	5.4	7.2	7.0	7.3	60.0	95.5	96.0	9.0	5.3	4.3	2.3
CADDIESHACK II (JR-163)	6.6	7.3	6.3	7.3	66.7	97.0	95.3	7.3	6.7	3.3	2.3
LINN	4.3	6.8	6.0	7.7	60.0	94.0	94.5	8.3	5.0	4.3	3.3
LSD VALUE	0.5	1.3	1.6	1.3	14.3	9.3	14.3	1.4	1.3	1.4	1.1
C.V. (%)	8.2	9.1	10.2	8.7	9.8	3.4	3.4	13.1	10.8	17.9	15.5

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

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

*/ TRAFFIC IS APPLIED USING A BRINKMAN TRAFFIC SIMULATOR FITTED WITH FOOTBALL CLEATS. TWELVE PASSES PER WEEK FOR EIGHT WEEKS ARE APPLIED IN SPRING AND FALL, STARTING IN FALL 2005.

**/ DISEASE COMPLEX IN 2005 WAS FUSARIUM PATCH, RED THREAD AND LEAF SPOT DISEASES.

***/ DISEASE IN 2006 WERE BROWN BLIGHT AND RED THREAD DISEASES.

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
2005-07 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	2005	RED THREAD RATINGS					JUNE 2007	MEAN
		JUNE 2006	OCTOBER 2006	NOVEMBER 2006	DECEMBER 2006	JANUARY 2007		
UNO (D04-11T)	6.0	7.0	5.7	6.0	4.3	4.3	6.3	5.7
DERBY XTREME (IS-PR 268)	6.0	6.0	7.7	6.7	6.7	5.3	7.0	6.3
ZOOM (LCK)	6.7	7.0	6.0	6.3	5.0	4.7	7.7	6.3
HOMERUN (RG3P)	6.3	6.3	6.0	5.3	4.3	4.7	6.0	5.7
PALMER IV	5.3	5.3	5.0	6.0	5.0	4.7	7.3	5.6
SR 4600 (SRX 4SP)	5.3	5.7	6.0	5.7	4.3	3.7	6.7	5.3
ALLSTAR 3 (IS-PR 274)	5.0	6.3	5.7	6.0	5.3	4.7	7.3	5.6
CHIVALRY (APR 1648)	5.3	6.0	6.7	6.0	5.3	4.0	6.3	5.5
FIESTA 4 (PICK F4)	5.0	5.7	6.3	7.0	5.3	5.0	7.0	5.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.3	6.3	7.7	6.3	4.3	4.3	6.3	5.6
EXACTA II GLSR (LTP-611-GLSR)	5.7	5.3	6.0	6.0	5.0	4.3	5.3	5.4
APPLE GL (AAZ-B104)	5.7	6.3	6.0	6.0	4.7	4.3	5.0	5.4
CITATION FORE	5.0	6.0	6.3	6.0	5.3	5.0	5.7	5.4
D04-LP05	6.0	5.7	6.3	5.0	4.3	4.3	5.3	5.4
MMW	4.7	6.3	6.0	5.7	4.3	4.7	7.0	5.4
PALACE (IS-PR 273)	5.0	5.7	6.3	6.3	5.3	4.3	6.7	5.5
PALMER GLS (GL-2)	5.3	5.3	4.7	6.3	4.3	4.3	5.3	5.1
PALMER V (RNS)	5.0	5.0	6.3	6.0	4.0	3.3	7.0	5.2
PIZZAZZ	5.0	6.7	6.3	5.3	5.0	4.0	5.7	5.2
PRIMARY (IS-PR 269)	5.7	5.7	5.3	6.0	5.3	4.3	6.3	5.5
PROTOTYPE (DCM)	5.3	6.3	6.7	5.0	4.7	4.7	5.7	5.4
REGAL 5 (IS-PR 271)	5.7	5.0	5.7	5.0	4.0	4.0	6.7	5.3
ATTRIBUTE (IS-PR 270)	4.3	5.0	5.7	6.0	5.0	4.0	7.0	5.1
BUENA VISTA	5.7	4.3	6.3	6.7	5.0	5.0	5.7	5.5
DASHER 3 (PICK RB-1)	5.7	5.7	4.3	5.3	4.3	3.7	6.3	5.2
FOREVER (DP 17-9499)	6.0	5.0	4.3	4.7	3.7	3.0	6.0	5.0
KEYSTONE 2 (IS-PR 312)	5.7	6.3	6.3	5.7	4.3	3.7	6.3	5.4
LINE DRIVE GLS (APR 1797)	5.0	6.7	6.3	5.3	5.0	4.0	6.3	5.3
OVERDRIVE	5.3	5.7	6.0	5.3	5.0	4.3	5.3	5.2
PARAGON GLR	5.0	4.7	4.0	5.3	3.7	3.7	6.3	4.8
SILVER DOLLAR	5.7	5.7	6.7	5.7	4.3	4.7	5.7	5.5
SOPRANO (DP1)	5.7	4.7	7.0	6.3	5.0	4.7	6.3	5.6
STELLAR GL (IS-PR 236)	4.7	7.7	7.3	6.0	5.0	4.3	6.3	5.5
TRANSFORMER (D04-1667)	5.7	6.3	7.3	4.7	3.7	3.3	5.7	5.2
1G SQUARED (APR 1664)	5.3	5.3	6.0	5.3	3.3	4.0	6.0	5.1
AMAZING GS (IS-PR 276)	5.7	4.0	5.3	5.0	3.7	3.7	6.0	5.0
DEFENDER (D04-UP)	5.7	6.0	5.7	5.3	4.3	4.0	6.0	5.3
E-99	5.0	5.7	6.0	5.7	5.0	4.3	6.0	5.3
EDGE II (AC2)	5.0	4.7	5.0	5.3	3.7	4.0	5.3	4.8
GALATTI (DP 17-9502)	4.7	6.0	5.0	4.7	3.7	3.3	5.7	4.7
KOKOMO II (IS-PR 235)	6.0	5.7	6.0	6.0	4.7	4.7	6.0	5.6
PHENOM (APR 1660)	4.0	5.3	6.0	4.0	3.3	3.3	6.0	4.4
REPELL GLS	5.3	5.7	4.7	5.0	3.7	3.0	5.7	4.8
REVENGE GLX (JR-348)	5.7	5.7	6.3	5.3	5.0	3.7	5.7	5.3
ASP6003 (TRS)	6.3	5.7	6.0	5.0	4.0	4.7	5.3	5.5
BACCARAT (RAD-PR8)	5.3	5.3	5.3	5.7	5.3	4.3	6.3	5.4

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2005-07 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	2005	RED THREAD RATINGS					JUNE 2007	MEAN
		JUNE 2006	OCTOBER 2006	NOVEMBER 2006	DECEMBER 2006	JANUARY 2007		
CABO II (IS-PR 233)	5.3	6.0	5.7	5.0	5.0	4.3	5.3	5.2
CUTTER II (PM 101)	5.0	6.7	5.7	6.0	4.3	4.7	6.0	5.3
DART (APR 1663)	6.0	5.3	5.7	4.3	4.7	4.0	5.3	5.2
FUSION	5.7	4.7	6.0	5.3	4.7	5.3	5.3	5.4
GRAND SLAM 2 (PST-2GSM)	6.7	5.0	5.0	5.7	6.0	5.3	5.0	5.8
MACH I	5.3	5.0	4.3	4.3	3.3	3.7	5.3	4.7
PANTHER GLS	4.7	5.0	5.0	5.7	4.7	4.3	5.0	4.8
PIANIST (DP 17-9505)	5.0	6.7	5.0	4.3	3.0	2.7	5.7	4.6
PROTEGE GLR	5.3	5.3	6.0	5.7	4.7	4.3	5.7	5.3
SECRETARIAT II GLSR (LTP-101-GLSR)	4.0	4.0	5.3	4.3	3.3	3.0	5.7	4.2
TR47	5.0	7.0	6.0	5.0	4.0	3.3	6.0	5.1
ASP6002 (BPR)	6.0	6.0	4.0	4.7	4.7	4.0	5.7	5.2
ASP6006 (LPFG)	5.7	6.0	5.3	5.0	4.3	4.0	5.0	5.1
BAR LP 4920	5.0	5.7	4.7	5.3	3.7	3.7	4.7	4.7
BRIGHTSTAR SLT	4.0	6.0	6.0	4.3	3.3	3.3	6.3	4.6
CALYPSO 3 (MS2)	5.0	6.3	5.0	5.7	4.0	3.7	5.7	5.0
GRAY STAR (PST-2LGL)	5.7	4.3	6.0	5.0	3.0	4.3	5.3	5.0
HARRIER (SRX 4UP3)	4.7	6.0	5.3	4.3	3.3	3.7	6.7	4.9
LS 2300 (APR 1670)	5.0	6.0	4.7	5.0	5.0	3.7	5.7	4.9
MANHATTAN 5 GLR (PST-2AM)	4.0	4.0	5.3	5.0	3.3	3.7	6.3	4.5
NOTABLE (AF)	5.7	4.7	4.3	5.0	4.0	3.3	6.7	5.1
PICK 02-R	4.7	5.7	4.3	5.0	4.3	4.0	5.0	4.7
PST-217	5.3	6.3	4.7	4.3	3.7	3.7	5.0	4.8
PST-2BLK	5.7	7.0	6.0	5.0	4.3	4.0	6.0	5.4
SUNSHINE 2	5.0	4.3	5.7	5.7	4.0	4.7	5.3	5.0
ASP6004 (EXS54)	6.3	6.0	5.7	5.3	4.0	4.0	5.3	5.4
BAR LP 4317	4.0	5.3	5.0	5.3	4.0	3.0	5.0	4.3
DELAWARE XL (PICK 01-2)	5.0	4.3	5.3	5.7	4.7	3.7	5.3	4.8
DP 17-9788	4.3	4.3	5.7	5.7	3.7	4.0	5.7	4.7
HEADSTART 2	5.0	5.0	5.7	5.0	4.3	3.7	5.0	4.8
MAJESTY II (VB77)	5.7	4.7	6.0	5.3	4.3	3.7	6.0	5.2
PACESETTER II (PS-2)	6.3	4.7	4.7	4.3	3.3	3.0	5.7	5.0
PINNACLE II	4.7	4.0	4.7	4.3	3.3	3.0	5.0	4.3
PLATEAU (PST-2LAN)	5.0	5.0	5.7	5.0	4.3	4.0	5.3	4.9
PLEASURE SUPREME (PM 103)	5.0	5.3	5.0	4.7	3.3	3.3	5.0	4.6
PM 102	6.0	5.3	4.7	4.0	3.3	3.7	5.7	5.0
PST-2AG4	5.0	5.7	6.0	4.7	4.0	4.3	5.7	5.0
QUICKSILVER	5.0	4.7	5.0	4.7	4.3	3.3	4.3	4.5
TOP GUN II (JR-324)	4.3	5.3	7.3	5.7	4.7	4.3	7.0	5.3
WAYFARER (L44)	5.7	6.0	5.7	5.3	4.0	4.0	4.7	5.1
WIND DANCE 2 (PWDR)	5.0	5.0	6.0	5.0	3.7	3.7	6.3	5.0
ACCENT II (JR-119)	6.0	4.7	5.3	5.0	4.3	3.0	6.0	5.1
BAR LP 4420	5.0	5.3	4.7	4.3	3.7	3.3	5.0	4.6
ES45	5.3	5.0	5.3	4.3	2.7	3.3	5.7	4.7
FIJI (GPR)	5.3	5.0	4.3	5.0	4.7	4.3	4.0	4.8
GRAY FOX (PST-2MNG)	5.3	5.3	6.3	4.0	3.3	3.0	5.7	4.8

TABLE 12. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2005-07 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	2005	RED THREAD RATINGS						MEAN
		JUNE 2006	OCTOBER 2006	NOVEMBER 2006	DECEMBER 2006	JANUARY 2007	JUNE 2007	
LA QUINTA (JR-255)	5.3	5.7	4.3	4.3	3.3	3.0	5.3	4.6
MONTEREY 3 (JR-408)	5.0	5.7	6.3	4.7	3.3	4.7	6.3	5.2
NEXUS XR (SNR)	5.7	4.3	4.0	4.7	3.7	3.0	5.0	4.6
PENTIUM	4.7	5.0	5.7	5.3	3.3	2.7	6.0	4.6
PRESIDIO (CNV)	5.7	4.3	4.7	4.3	3.0	3.3	5.0	4.6
RINGER II (O4-BEN)	5.7	5.3	5.3	4.7	3.3	3.3	3.3	4.6
ASP6001 (RTS)	5.7	5.7	5.7	4.7	3.7	3.3	5.0	4.9
ASP6005 (AJM)	6.0	5.0	5.3	4.0	2.7	2.7	5.7	4.8
BREA (O4-BRE)	4.3	5.7	5.7	5.0	4.0	3.3	4.7	4.5
GOALKEEPER II (JR-114)	5.3	5.3	4.0	4.7	4.0	3.3	5.3	4.7
HALO (KN42)	5.7	4.7	4.3	4.3	3.0	3.3	5.0	4.6
HAWKEYE 2 (SRX 4692)	4.0	6.0	4.7	4.3	3.0	2.7	5.3	4.2
INSPIRE	5.0	6.3	5.7	4.7	4.0	2.3	5.7	4.7
SRX 4682	4.0	5.3	6.0	5.3	4.3	4.3	4.7	4.6
VB99	4.7	4.7	5.3	4.0	3.0	3.0	4.7	4.3
PALMER III	5.7	3.7	5.0	3.7	3.3	3.0	4.7	4.5
PANTHER	5.0	4.7	5.7	4.3	3.0	2.7	5.7	4.5
PREMIER II	5.0	4.3	5.3	4.0	3.3	3.3	5.0	4.5
BARLENNIUM	4.7	6.0	6.3	4.0	2.7	3.0	4.0	4.3
FIREBOLT (PRG HS-01-09)	5.0	4.3	4.7	4.0	3.7	3.3	4.7	4.4
NEXUS XD (SP4)	4.7	5.7	5.0	4.0	2.3	2.7	4.7	4.2
AFFINITY	4.7	5.3	4.7	4.0	3.7	2.7	4.7	4.3
LPR 02203	5.3	4.7	4.0	4.3	5.0	3.0	4.3	4.5
PINNACLE	4.3	4.3	4.0	4.0	2.3	2.3	5.0	3.9
PREMIER	4.7	4.7	4.3	4.3	4.0	2.7	5.0	4.3
CADDIESHACK II (JR-163)	4.0	5.0	5.0	3.3	2.7	2.3	3.7	3.7
LINN	3.7	5.0	3.3	3.0	2.3	2.0	5.3	3.6
LSD VALUE	3.3	3.5	2.2	2.0	1.6	2.0	2.7	0.8
C.V. (%)	18.5	21.5	19.3	18.9	21.3	24.6	19.2	16.6

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

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

*/ TRAFFIC IS APPLIED USING A BRINKMAN TRAFFIC SIMULATOR FITTED WITH FOOTBALL CLEATS. TWELVE PASSES PER WEEK FOR EIGHT WEEKS ARE APPLIED IN SPRING AND FALL, STARTING IN FALL 2005.

TABLE 12. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */

2005 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS AFTER TRAFFIC		PERCENT COVER RATINGS AFTER TRAFFIC		
	NOV	DEC	1 WEEK	2 WEEKS	4 WEEKS
UNO (D04-11T)	3.7	4.0	63.3	70.0	70.0
DERBY XTREME (IS-PR 268)	3.3	4.3	63.3	73.3	80.0
ZOOM (LCK)	4.0	4.0	66.7	63.3	66.7
HOMERUN (RG3P)	4.0	4.3	70.0	73.3	83.3
PALMER IV	3.3	4.0	60.0	66.7	70.0
SR 4600 (SRX 4SP)	3.0	4.0	53.3	70.0	73.3
ALLSTAR 3 (IS-PR 274)	3.7	4.0	63.3	66.7	70.0
CHIVALRY (APR 1648)	3.7	4.0	73.3	63.3	73.3
FIESTA 4 (PICK F4)	3.3	4.0	60.0	66.7	73.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	3.7	4.0	66.7	70.0	76.7
EXACTA II GLSR (LTP-611-GLSR)	3.0	4.0	63.3	60.0	66.7
APPLE GL (AAZ-B104)	4.0	4.0	70.0	73.3	80.0
CITATION FORE	4.0	4.0	70.0	63.3	80.0
D04-LP05	3.7	4.0	66.7	66.7	70.0
MMW	3.3	4.3	53.3	60.0	70.0
PALACE (IS-PR 273)	4.0	4.0	66.7	70.0	73.3
PALMER GLS (GL-2)	3.7	4.0	70.0	63.3	73.3
PALMER V (RNS)	3.3	4.0	56.7	70.0	66.7
PIZZAZZ	3.3	4.0	53.3	46.7	66.7
PRIMARY (IS-PR 269)	3.3	4.0	63.3	60.0	70.0
PROTOTYPE (DCM)	3.3	4.0	63.3	63.3	66.7
REGAL 5 (IS-PR 271)	4.0	4.0	66.7	66.7	60.0
ATTRIBUTE (IS-PR 270)	3.7	4.0	66.7	66.7	70.0
BUENA VISTA	3.7	4.3	63.3	56.7	70.0
DASHER 3 (PICK RB-1)	3.7	4.0	70.0	70.0	73.3
FOREVER (DP 17-9499)	3.7	4.0	63.3	60.0	60.0
KEYSTONE 2 (IS-PR 312)	4.0	4.0	63.3	56.7	73.3
LINE DRIVE GLS (APR 1797)	3.3	4.0	56.7	56.7	63.3
OVERDRIVE	4.0	4.0	66.7	60.0	66.7
PARAGON GLR	4.0	4.0	66.7	70.0	66.7
SILVER DOLLAR	4.0	4.0	63.3	73.3	76.7
SOPRANO (DP1)	4.0	4.0	63.3	66.7	73.3
STELLAR GL (IS-PR 236)	3.7	4.0	63.3	70.0	73.3
TRANSFORMER (D04-1667)	3.3	4.0	66.7	66.7	70.0
1G SQUARED (APR 1664)	3.7	4.0	60.0	66.7	66.7
AMAZING GS (IS-PR 276)	3.3	4.0	66.7	66.7	60.0
DEFENDER (D04-UP)	3.3	4.0	66.7	56.7	66.7
E-99	3.0	4.0	56.7	56.7	63.3
EDGE II (AC2)	3.7	4.0	63.3	63.3	66.7
GALATTI (DP 17-9502)	3.7	4.0	63.3	56.7	70.0
KOKOMO II (IS-PR 235)	3.7	4.0	66.7	63.3	63.3
PHENOM (APR 1660)	4.0	4.0	56.7	60.0	73.3
REPELL GLS	4.0	4.0	70.0	66.7	73.3
REVENGE GLX (JR-348)	3.3	4.0	56.7	63.3	63.3
ASP6003 (TRS)	3.3	4.0	60.0	63.3	66.7
BACCARAT (RAD-PR8)	3.3	4.0	63.3	56.7	73.3

TABLE 12. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */

2005 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS AFTER TRAFFIC		PERCENT COVER RATINGS AFTER TRAFFIC		
	NOV	DEC	1 WEEK	2 WEEKS	4 WEEKS
CABO II (IS-PR 233)	3.7	4.3	66.7	73.3	70.0
CUTTER II (PM 101)	3.3	4.0	66.7	73.3	73.3
DART (APR 1663)	4.0	4.3	70.0	70.0	80.0
FUSION	3.7	4.0	63.3	56.7	66.7
GRAND SLAM 2 (PST-2GSM)	3.7	4.0	70.0	60.0	76.7
MACH I	3.7	4.0	73.3	66.7	76.7
PANTHER GLS	3.3	4.0	63.3	60.0	66.7
PIANIST (DP 17-9505)	3.3	4.0	63.3	56.7	70.0
PROTEGE GLR	3.7	4.0	56.7	56.7	73.3
SECRETARIAT II GLSR (LTP-101-GLSR)	4.0	4.0	66.7	63.3	66.7
TR47	3.3	4.0	66.7	63.3	70.0
ASP6002 (BPR)	4.0	4.0	63.3	53.3	66.7
ASP6006 (LPFG)	4.0	4.0	60.0	60.0	66.7
BAR LP 4920	3.7	4.0	66.7	66.7	66.7
BRIGHTSTAR SLT	4.0	4.0	70.0	56.7	70.0
CALYPSO 3 (MS2)	3.7	4.0	70.0	66.7	73.3
GRAY STAR (PST-2LGL)	3.7	4.0	65.0	60.0	73.3
HARRIER (SRX 4UP3)	3.3	4.0	63.3	63.3	56.7
LS 2300 (APR 1670)	3.7	4.3	63.3	70.0	76.7
MANHATTAN 5 GLR (PST-2AM)	3.7	4.0	70.0	63.3	66.7
NOTABLE (AF)	3.3	4.0	56.7	63.3	73.3
PICK 02-R	3.7	4.0	60.0	56.7	63.3
PST-217	4.0	4.0	66.7	56.7	73.3
PST-2BLK	3.7	4.0	60.0	60.0	66.7
SUNSHINE 2	4.0	5.7	70.0	60.0	76.7
ASP6004 (EXS54)	3.3	4.3	53.3	56.7	66.7
BAR LP 4317	3.3	4.0	60.0	60.0	56.7
DELAWARE XL (PICK 01-2)	3.7	4.3	66.7	66.7	76.7
DP 17-9788	4.0	4.0	63.3	63.3	63.3
HEADSTART 2	3.7	4.0	63.3	66.7	66.7
MAJESTY II (VB77)	3.3	4.0	63.3	56.7	66.7
PACESETTER II (PS-2)	3.3	4.3	66.7	53.3	66.7
PINNACLE II	3.3	4.0	70.0	63.3	80.0
PLATEAU (PST-2LAN)	3.3	4.0	63.3	56.7	70.0
PLEASURE SUPREME (PM 103)	3.7	4.0	70.0	70.0	76.7
PM 102	3.0	4.0	53.3	60.0	60.0
PST-2AG4	3.0	4.0	56.7	53.3	66.7
QUICKSILVER	4.0	4.0	63.3	63.3	66.7
TOP GUN II (JR-324)	3.7	4.0	73.3	63.3	70.0
WAYFARER (L44)	3.7	4.0	60.0	60.0	66.7
WIND DANCE 2 (PWDR)	3.7	4.0	66.7	66.7	73.3
ACCENT II (JR-119)	3.3	4.0	66.7	60.0	63.3
BAR LP 4420	4.0	4.3	60.0	66.7	70.0
ES45	3.3	4.0	60.0	56.7	66.7
FIJI (GPR)	4.0	4.3	73.3	66.7	76.7
GRAY FOX (PST-2MNG)	3.0	4.0	60.0	56.7	70.0

TABLE 12. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2005 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS AFTER TRAFFIC		PERCENT COVER RATINGS AFTER TRAFFIC		
	NOV	DEC	1 WEEK	2 WEEKS	4 WEEKS
LA QUINTA (JR-255)	4.0	4.0	70.0	63.3	63.3
MONTEREY 3 (JR-408)	3.7	4.0	53.3	60.0	73.3
NEXUS XR (SNR)	3.7	4.0	66.7	50.0	70.0
PENTIUM	3.3	4.0	66.7	60.0	66.7
PRESIDIO (CNV)	3.7	4.0	66.7	60.0	73.3
RINGER II (04-BEN)	3.7	4.0	66.7	63.3	66.7
ASP6001 (RTS)	4.0	4.0	60.0	66.7	76.7
ASP6005 (AJM)	4.0	4.0	63.3	63.3	66.7
BREA (04-BRE)	3.3	4.0	53.3	50.0	63.3
GOALKEEPER II (JR-114)	3.3	4.0	66.7	60.0	73.3
HALO (KN42)	3.3	4.0	56.7	60.0	70.0
HAWKEYE 2 (SRX 4692)	3.7	4.0	53.3	60.0	70.0
INSPIRE	4.0	4.0	66.7	70.0	70.0
SRX 4682	3.3	4.0	53.3	56.7	66.7
VB99	3.7	4.0	66.7	63.3	73.3
PALMER III	3.7	4.0	70.0	53.3	70.0
PANTHER	3.3	4.0	60.0	56.7	73.3
PREMIER II	3.3	4.0	66.7	50.0	60.0
BARLENNIUM	3.3	4.3	56.7	53.3	73.3
FIREBOLT (PRG HS-01-09)	3.0	4.0	63.3	56.7	63.3
NEXUS XD (SP4)	3.0	4.0	56.7	60.0	63.3
AFFINITY	3.0	3.7	60.0	53.3	60.0
LPR 02203	3.7	4.0	60.0	53.3	73.3
PINNACLE	3.0	4.0	56.7	53.3	60.0
PREMIER	3.0	4.0	53.3	53.3	63.3
CADDIESHACK II (JR-163)	3.7	4.0	63.3	56.7	66.7
LINN	3.0	3.0	43.3	43.3	50.0
LSD VALUE	1.6	0.6	45.8	39.0	21.5
C.V. (%)	13.6	6.7	15.3	16.3	11.6

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

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

*/ TRAFFIC IS APPLIED USING A BRINKMAN TRAFFIC SIMULATOR FITTED WITH FOOTBALL CLEATS. TWELVE PASSES PER WEEK FOR EIGHT WEEKS ARE APPLIED IN SPRING AND FALL, STARTING IN FALL 2005.

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */

2006 DATA

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

NAME	QUALITY 2 WEEKS AFTER TRAFFIC	PERCENT COVER BEFORE TRAFFIC	PERCENT COVER RATINGS AFTER TRAFFIC IN SUMMER			PERCENT COVER RATINGS AFTER TRAFFIC IN FALL		
			2 WEEKS	4 WEEKS	8 WEEKS	2 WEEKS	4 WEEKS	8 WEEKS
UNO (D04-11T)	6.0	99.0	91.7	95.0	99.0	70.0	66.7	70.0
DERBY XTREME (IS-PR 268)	5.3	99.0	80.0	86.3	99.0	66.7	60.0	60.0
ZOOM (LCK)	5.3	96.0	85.0	94.7	97.7	63.3	63.3	63.3
HOMERUN (RG3P)	5.7	99.0	88.3	93.3	99.0	66.7	60.0	70.0
PALMER IV	4.0	96.0	73.3	83.3	95.0	50.0	53.3	56.7
SR 4600 (SRX 4SP)	4.7	96.0	73.3	86.7	96.3	50.0	53.3	56.7
ALLSTAR 3 (IS-PR 274)	4.7	96.0	81.7	88.3	97.7	63.3	60.0	63.3
CHIVALRY (APR 1648)	5.0	96.0	86.7	91.7	99.0	70.0	63.3	66.7
FIESTA 4 (PICK F4)	4.7	96.0	78.3	90.0	97.7	66.7	56.7	63.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.7	99.0	81.7	93.0	99.0	66.7	63.3	66.7
EXACTA II GLSR (LTP-611-GLSR)	4.3	96.0	81.7	86.7	97.7	63.3	56.7	56.7
APPLE GL (AAZ-B104)	5.7	99.0	90.0	91.7	97.7	60.0	60.0	63.3
CITATION FORE	5.0	99.0	85.0	91.3	96.3	66.7	60.0	60.0
D04-LP05	5.0	99.0	81.7	93.0	99.0	63.3	60.0	60.0
MMW	4.3	89.7	75.0	86.3	96.3	53.3	50.0	50.0
PALACE (IS-PR 273)	5.3	99.0	88.3	88.3	99.0	66.7	60.0	60.0
PALMER GLS (GL-2)	5.3	99.0	83.3	88.3	97.7	60.0	60.0	66.7
PALMER V (RNS)	4.3	96.0	83.3	86.7	97.7	56.7	60.0	63.3
PIZZAZZ	4.0	93.0	76.7	83.3	93.0	53.3	53.3	56.7
PRIMARY (IS-PR 269)	5.0	99.0	86.7	91.3	99.0	66.7	56.7	56.7
PROTOTYPE (DCM)	4.3	99.0	76.7	90.0	99.0	63.3	56.7	53.3
REGAL 5 (IS-PR 271)	4.7	96.0	81.7	85.0	97.7	60.0	53.3	53.3
ATTRIBUTE (IS-PR 270)	4.7	99.0	86.7	91.3	99.0	66.7	60.0	63.3
BUENA VISTA	4.7	93.0	75.0	86.7	97.7	56.7	53.3	53.3
DASHER 3 (PICK RB-1)	5.3	96.0	85.0	90.0	99.0	66.7	60.0	63.3
FOREVER (DP 17-9499)	4.7	96.0	85.0	88.3	96.0	66.7	60.0	60.0
KEYSTONE 2 (IS-PR 312)	5.0	99.0	83.3	88.0	99.0	70.0	56.7	60.0
LINE DRIVE GLS (APR 1797)	5.0	96.0	75.0	88.3	99.0	63.3	63.3	66.7
OVERDRIVE	5.0	96.0	83.3	90.0	99.0	63.3	56.7	60.0
PARAGON GLR	4.7	96.0	85.0	88.3	96.0	60.0	53.3	60.0
SILVER DOLLAR	5.3	99.0	86.7	94.7	99.0	66.7	60.0	63.3
SOPRANO (DP1)	4.7	96.0	78.3	81.7	94.7	60.0	50.0	53.3
STELLAR GL (IS-PR 236)	5.0	99.0	81.7	88.3	99.0	63.3	60.0	63.3
TRANSFORMER (D04-1667)	4.7	99.0	85.0	93.3	99.0	63.3	63.3	70.0
1G SQUARED (APR 1664)	5.3	99.0	86.7	91.3	97.7	63.3	60.0	56.7
AMAZING GS (IS-PR 276)	4.3	96.0	83.3	86.3	99.0	73.3	60.0	60.0
DEFENDER (D04-UP)	5.3	96.0	88.3	91.3	97.7	70.0	60.0	63.3
E-99	4.7	99.0	85.0	91.3	97.7	56.7	63.3	63.3
EDGE II (AC2)	5.3	99.0	86.7	94.7	99.0	56.7	63.3	60.0
GALATTI (DP 17-9502)	4.7	96.0	81.7	88.3	96.3	53.3	60.0	60.0
KOKOMO II (IS-PR 235)	4.7	96.0	80.0	88.3	99.0	46.7	50.0	56.7
PHENOM (APR 1660)	4.7	99.0	85.0	88.3	96.3	53.3	50.0	50.0
REPELL GLS	5.0	99.0	83.3	91.7	99.0	60.0	60.0	63.3
REVENGE GLX (JR-348)	4.0	99.0	73.3	85.0	99.0	60.0	53.3	53.3
ASP6003 (TRS)	4.7	92.7	78.3	88.3	96.0	60.0	53.3	56.7
BACCARAT (RAD-PR8)	4.3	96.0	78.3	91.7	99.0	56.7	56.7	60.0

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */

2006 DATA

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

NAME	QUALITY 2 WEEKS AFTER TRAFFIC	PERCENT COVER BEFORE TRAFFIC	PERCENT COVER RATINGS AFTER TRAFFIC IN SUMMER			PERCENT COVER RATINGS AFTER TRAFFIC IN FALL		
			2 WEEKS	4 WEEKS	8 WEEKS	2 WEEKS	4 WEEKS	8 WEEKS
CABO II (IS-PR 233)	4.7	99.0	80.0	88.3	97.7	53.3	53.3	60.0
CUTTER II (PM 101)	5.3	99.0	83.3	90.0	96.3	66.7	56.7	56.7
DART (APR 1663)	4.7	99.0	85.0	86.7	99.0	63.3	60.0	63.3
FUSION	4.3	93.0	75.0	83.3	95.0	53.3	60.0	66.7
GRAND SLAM 2 (PST-2GSM)	4.3	96.0	78.3	88.0	97.7	60.0	56.7	60.0
MACH I	4.7	99.0	88.3	89.7	96.3	56.7	60.0	63.3
PANTHER GLS	4.3	99.0	76.7	85.0	96.3	53.3	53.3	60.0
PIANIST (DP 17-9505)	5.0	96.0	90.0	91.7	99.0	66.7	63.3	63.3
PROTEGE GLR	4.7	96.0	85.0	93.0	94.7	63.3	60.0	60.0
SECRETARIAT II GLSR (LTP-101-GLSR)	4.3	99.0	88.3	88.3	97.7	53.3	56.7	56.7
TR47	5.0	96.0	85.0	90.0	96.3	66.7	53.3	56.7
ASP6002 (BPR)	5.0	96.0	88.3	91.3	97.7	56.7	56.7	53.3
ASP6006 (LPFG)	4.3	99.0	80.0	83.3	96.3	56.7	50.0	53.3
BAR LP 4920	4.7	99.0	80.0	83.3	96.3	56.7	53.3	56.7
BRIGHTSTAR SLT	4.7	99.0	80.0	90.0	97.7	63.3	56.7	56.7
CALYPSO 3 (MS2)	4.7	99.0	80.0	91.7	99.0	66.7	60.0	60.0
GRAY STAR (PST-2LGL)	4.7	96.0	80.0	91.7	97.7	56.7	56.7	60.0
HARRIER (SRX 4UP3)	4.7	99.0	81.7	86.7	97.7	63.3	53.3	53.3
LS 2300 (APR 1670)	5.3	99.0	91.7	94.3	99.0	53.3	60.0	63.3
MANHATTAN 5 GLR (PST-2AM)	4.0	93.0	75.0	85.0	96.3	46.7	50.0	56.7
NOTABLE (AF)	4.3	96.0	76.7	91.7	97.7	46.7	50.0	53.3
PICK 02-R	5.0	86.3	78.3	85.0	97.7	63.3	53.3	60.0
PST-217	4.7	96.0	75.0	91.0	97.7	50.0	53.3	60.0
PST-2BLK	4.7	96.0	81.7	86.7	97.7	53.3	53.3	53.3
SUNSHINE 2	4.0	92.7	66.7	81.7	94.7	56.7	56.7	56.7
ASP6004 (EXS54)	4.3	93.0	56.7	86.7	96.3	56.7	50.0	53.3
BAR LP 4317	4.3	92.7	76.7	89.7	96.3	53.3	56.7	60.0
DELAWARE XL (PICK 01-2)	4.3	93.0	86.7	90.0	97.7	60.0	60.0	60.0
DP 17-9788	4.3	96.0	80.0	93.3	99.0	50.0	53.3	56.7
HEADSTART 2	4.7	99.0	83.3	91.7	99.0	66.7	63.3	63.3
MAJESTY II (VB77)	4.3	86.3	73.3	80.0	94.7	60.0	50.0	53.3
PACESETTER II (PS-2)	4.3	86.3	76.7	86.7	96.0	60.0	56.7	56.7
PINNACLE II	4.7	96.0	80.0	86.7	97.7	53.3	50.0	53.3
PLATEAU (PST-2LAN)	4.3	93.0	75.0	85.0	97.7	50.0	53.3	53.3
PLEASURE SUPREME (PM 103)	4.7	99.0	81.7	91.7	97.7	53.3	60.0	66.7
PM 102	4.3	96.0	76.7	86.7	93.3	50.0	50.0	50.0
PST-2AG4	4.3	89.7	73.3	78.3	94.7	60.0	53.3	56.7
QUICKSILVER	4.3	99.0	76.7	86.7	97.7	53.3	60.0	60.0
TOP GUN II (JR-324)	4.3	99.0	76.7	86.7	99.0	63.3	56.7	56.7
WAYFARER (L44)	4.0	86.0	66.7	80.0	94.7	53.3	60.0	60.0
WIND DANCE 2 (PWDR)	4.0	99.0	80.0	85.0	96.0	60.0	60.0	60.0
ACCENT II (JR-119)	4.3	93.0	81.7	85.0	97.7	60.0	60.0	60.0
BAR LP 4420	4.3	93.0	76.7	85.0	95.0	56.7	56.7	53.3
ES45	4.3	96.0	83.3	86.7	96.3	56.7	53.3	53.3
FIJI (GPR)	4.3	96.0	75.0	86.7	97.7	53.3	53.3	60.0
GRAY FOX (PST-2MNG)	4.0	93.0	76.7	85.0	97.7	56.7	50.0	56.7

TABLE 12. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2006 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY 2 WEEKS AFTER TRAFFIC	PERCENT COVER BEFORE TRAFFIC	PERCENT COVER RATINGS AFTER TRAFFIC IN SUMMER			PERCENT COVER RATINGS AFTER TRAFFIC IN FALL		
			2 WEEKS	4 WEEKS	8 WEEKS	2 WEEKS	4 WEEKS	8 WEEKS
LA QUINTA (JR-255)	4.3	93.0	75.0	81.7	96.3	50.0	50.0	56.7
MONTEREY 3 (JR-408)	4.3	93.0	73.3	81.7	97.7	70.0	50.0	50.0
NEXUS XR (SNR)	4.3	93.0	78.3	81.7	96.3	60.0	50.0	53.3
PENTIUM	4.7	99.0	85.0	88.3	97.7	50.0	63.3	63.3
PRESIDIO (CNV)	4.7	99.0	78.3	86.7	96.3	56.7	56.7	60.0
RINGER II (O4-BEN)	4.7	99.0	79.7	85.0	94.7	60.0	56.7	56.7
ASP6001 (RTS)	4.7	99.0	83.3	85.0	96.3	60.0	60.0	56.7
ASP6005 (AJM)	4.3	96.0	80.0	86.7	96.3	56.7	56.7	60.0
BREA (O4-BRE)	4.0	89.7	68.3	78.3	91.7	53.3	50.0	53.3
GOALKEEPER II (JR-114)	4.7	93.0	83.3	91.3	97.7	53.3	53.3	53.3
HALO (KN42)	4.3	89.7	81.7	83.0	97.7	66.7	53.3	56.7
HAWKEYE 2 (SRX 4692)	4.7	96.0	78.3	86.7	96.3	56.7	60.0	66.7
INSPIRE	4.7	96.0	80.0	88.3	99.0	63.3	66.7	66.7
SRX 4682	4.3	99.0	80.0	86.7	97.7	53.3	60.0	60.0
VB99	4.3	89.7	76.7	81.7	97.7	60.0	56.7	56.7
PALMER III	5.0	96.0	85.0	86.7	97.7	60.0	63.3	63.3
PANTHER	4.0	96.0	81.7	85.0	96.3	70.0	56.7	60.0
PREMIER II	4.3	99.0	78.3	86.7	99.0	53.3	60.0	63.3
BARLENNIUM	4.0	96.0	68.3	81.7	94.7	50.0	56.7	60.0
FIREBOLT (PRG HS-01-09)	4.0	89.7	76.7	83.3	95.0	56.7	53.3	53.3
NEXUS XD (SP4)	4.0	96.0	76.7	81.7	96.0	60.0	56.7	56.7
AFFINITY	4.3	96.0	85.0	90.0	97.7	56.7	50.0	53.3
LPR 02203	4.3	93.0	81.7	91.7	96.3	60.0	50.0	53.3
PINNACLE	3.7	96.0	85.0	91.7	97.7	53.3	53.3	53.3
PREMIER	4.0	96.0	81.7	80.0	95.0	43.3	56.7	56.7
CADDIESHACK II (JR-163)	4.3	93.0	81.7	85.0	97.7	50.0	53.3	60.0
LINN	3.0	96.0	78.3	80.0	95.0	40.0	46.7	50.0
LSD VALUE	2.7	25.6	54.3	31.4	6.5	34.0	32.1	36.7
C.V. (%)	15.9	5.8	12.7	7.7	2.4	17.2	13.2	13.7

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.

*/ TRAFFIC IS APPLIED USING A BRINKMAN TRAFFIC SIMULATOR FITTED WITH FOOTBALL CLEATS. TWELVE PASSES PER WEEK FOR EIGHT WEEKS ARE APPLIED IN SPRING AND FALL, STARTING IN FALL 2005.

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
2007 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER		JUL 16	PERCENT LIVING GROUND COVER RATINGS AFTER TRAFFIC						QUALITY RATINGS AFTER TRAFFIC	
	MAY29 (BEFORE TRAFFIC)	MAY29		AUG 14	SEP 5	OCT 26	NOV 9	DEC 14	DEC 28	OCT 26	DEC 14
UNO (D04-11T)	7.0	99.0	90.0	93.3	96.3	66.7	63.3	53.3	70.0	4.0	3.0
DERBY XTREME (IS-PR 268)	6.0	96.0	78.3	83.0	86.0	60.0	56.7	40.0	53.3	4.0	2.7
ZOOM (LCK)	5.7	96.3	85.0	90.0	93.3	63.3	63.3	46.7	56.7	4.7	2.7
HOMERUN (RG3P)	5.7	97.7	88.3	94.0	97.7	63.3	79.7	50.0	63.3	4.3	2.7
PALMER IV	4.7	95.0	66.7	83.3	94.7	63.3	53.3	40.0	50.0	3.7	2.3
SR 4600 (SRX 4SP)	5.0	94.7	71.7	83.3	91.3	60.0	53.3	33.3	53.3	3.7	2.3
ALLSTAR 3 (IS-PR 274)	5.3	94.7	71.7	85.0	93.0	63.3	66.7	40.0	63.3	4.0	2.0
CHIVALRY (APR 1648)	5.0	97.7	81.7	89.7	96.0	66.7	56.7	50.0	56.7	4.0	3.0
FIESTA 4 (PICK F4)	5.3	84.3	75.0	78.3	80.0	46.7	43.3	28.3	38.3	3.3	1.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.3	84.7	75.0	85.0	93.0	50.0	46.7	43.3	50.0	3.3	2.7
EXACTA II GLSR (LTP-611-GLSR)	6.0	94.7	71.7	80.0	88.3	63.3	30.0	46.7	53.3	4.0	3.0
APPLE GL (AAZ-B104)	5.3	99.0	81.7	90.0	96.0	56.7	73.0	50.0	66.7	4.0	2.7
CITATION FORE	5.3	96.3	76.7	85.0	93.3	56.7	60.0	40.0	53.3	3.7	2.7
D04-LP05	5.3	93.0	70.0	81.7	93.0	56.7	60.0	50.0	56.7	3.7	2.3
MMW	4.3	80.3	63.3	71.7	80.0	46.7	40.0	31.7	38.3	3.0	2.0
PALACE (IS-PR 273)	5.3	94.7	85.0	90.0	94.7	60.0	66.7	50.0	60.0	4.3	3.0
PALMER GLS (GL-2)	5.7	96.3	71.7	83.3	93.3	53.3	53.3	33.3	36.7	3.7	2.0
PALMER V (RNS)	5.3	91.7	70.0	81.7	95.0	53.3	53.3	36.7	46.7	3.3	2.0
PIZZAZZ	5.7	97.7	73.3	85.0	94.7	53.3	56.7	40.0	50.0	3.3	2.3
PRIMARY (IS-PR 269)	5.7	94.3	81.7	83.3	84.7	53.3	53.3	50.0	56.7	3.3	2.7
PROTOTYPE (DCM)	5.7	96.3	70.0	83.3	93.3	60.0	56.7	43.3	53.3	3.7	2.0
REGAL 5 (IS-PR 271)	5.0	85.0	73.3	83.3	91.7	50.0	43.3	30.0	43.3	3.3	2.0
ATTRIBUTE (IS-PR 270)	6.0	96.0	85.0	90.0	96.3	53.3	56.7	43.3	50.0	3.7	2.3
BUENA VISTA	4.0	81.7	51.7	66.7	81.7	50.0	43.3	26.7	40.0	3.3	1.7
DASHER 3 (PICK RB-1)	6.0	97.7	83.3	90.0	96.3	63.3	63.3	43.3	56.7	3.7	2.3
FOREVER (DP 17-9499)	5.0	93.0	88.3	90.0	96.3	56.7	56.7	40.0	60.0	3.7	2.7
KEYSTONE 2 (IS-PR 312)	5.3	93.0	81.7	86.7	94.7	53.3	50.0	43.3	46.7	3.7	2.7
LINE DRIVE GLS (APR 1797)	5.0	80.0	65.0	78.3	95.0	46.7	50.0	36.7	36.7	3.7	2.3
OVERDRIVE	6.0	96.0	83.3	88.3	94.7	56.7	56.7	43.3	53.3	3.7	2.3
PARAGON GLR	6.0	96.0	71.7	81.7	94.7	53.3	56.7	43.3	63.3	3.7	2.3
SILVER DOLLAR	5.0	96.0	80.0	89.7	96.0	70.0	50.0	36.7	60.0	4.7	2.3
SOPRANO (DP1)	4.7	79.7	58.3	70.0	81.7	43.3	46.7	35.0	45.0	3.0	2.3
STELLAR GL (IS-PR 236)	5.0	88.0	65.0	78.3	91.3	43.3	43.3	30.0	33.3	3.0	1.7
TRANSFORMER (D04-1667)	5.3	97.7	83.3	91.3	97.7	63.3	63.3	53.3	66.7	5.0	3.0
1G SQUARED (APR 1664)	4.7	81.3	70.0	81.7	91.3	53.3	56.7	40.0	50.0	3.7	2.3
AMAZING GS (IS-PR 276)	5.3	96.0	73.3	85.0	94.7	63.3	63.3	46.7	56.7	4.0	2.7
DEFENDER (D04-UP)	5.7	96.0	76.7	86.7	94.7	63.3	60.0	40.0	56.7	4.0	3.0
E-99	5.7	96.0	81.7	88.3	93.3	63.3	60.0	50.0	60.0	4.3	3.0
EDGE II (AC2)	5.7	96.0	70.0	81.7	93.3	60.0	50.0	36.7	53.3	3.7	2.3
GALATTI (DP 17-9502)	5.0	94.7	66.7	80.0	91.7	53.3	50.0	33.3	50.0	3.7	2.3
KOKOMO II (IS-PR 235)	5.0	86.3	53.3	65.0	76.7	43.3	46.7	36.7	43.3	3.0	2.0
PHENOM (APR 1660)	4.7	93.3	73.3	83.3	93.0	53.3	53.3	40.0	50.0	3.0	2.7
REPELL GLS	6.0	96.3	81.7	88.3	94.7	60.0	53.3	40.0	43.3	4.0	2.3
REVENGE GLX (JR-348)	5.0	81.0	61.7	75.0	88.3	50.0	43.3	33.3	40.0	3.3	2.0
ASP6003 (TRS)	4.7	79.7	65.0	76.7	88.3	50.0	46.7	36.7	36.7	3.3	2.0
BACCARAT (RAD-PR8)	5.3	96.3	83.3	90.0	94.7	53.3	56.7	33.3	50.0	3.7	2.3

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
 2007 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER		JUL 16	PERCENT LIVING GROUND COVER RATINGS AFTER TRAFFIC						QUALITY RATINGS AFTER TRAFFIC	
	QUALITY MAY29 (BEFORE TRAFFIC)	MAY29		AUG 14	SEP 5	OCT 26	NOV 9	DEC 14	DEC 28	OCT 26	DEC 14
CABO II (IS-PR 233)	6.0	88.0	68.3	78.3	88.0	46.7	50.0	33.3	46.7	3.3	1.7
CUTTER II (PM 101)	4.3	89.7	70.0	80.0	88.3	56.7	63.0	30.0	53.3	3.7	1.7
DART (APR 1663)	5.3	97.7	80.0	86.7	93.0	70.0	79.7	50.0	66.7	5.0	2.7
FUSION	4.7	78.3	63.3	71.7	78.3	56.7	40.0	33.3	30.0	3.3	2.3
GRAND SLAM 2 (PST-2GSM)	4.0	81.7	65.0	73.3	80.0	50.0	36.7	31.7	35.0	3.3	2.3
MACH I	5.7	96.0	75.0	86.7	91.7	63.3	53.3	43.3	56.7	4.0	2.7
PANTHER GLS	5.7	97.7	81.7	88.3	94.7	56.7	56.7	36.7	50.0	3.7	2.0
PIANIST (DP 17-9505)	5.7	93.0	81.7	90.0	96.3	60.0	46.7	40.0	53.3	3.7	2.7
PROTEGE GLR	4.7	91.7	68.3	85.0	93.0	50.0	56.7	36.7	50.0	3.3	2.3
SECRETARIAT II GLSR (LTP-101-GLSR)	5.3	97.7	83.3	93.0	96.3	60.0	60.0	46.7	60.0	4.0	2.7
TR47	5.0	91.3	76.7	83.3	90.0	60.0	53.3	36.7	53.3	3.7	2.0
ASP6002 (BPR)	4.7	93.0	80.0	86.7	93.3	53.3	53.3	36.7	50.0	4.0	2.3
ASP6006 (LPFG)	5.7	96.3	65.0	76.7	65.7	56.7	46.7	33.3	40.0	3.3	2.3
BAR LP 4920	4.7	93.0	68.3	80.0	93.3	60.0	50.0	36.7	46.7	4.0	2.0
BRIGHTSTAR SLT	4.3	93.0	75.0	86.7	95.0	56.7	53.3	30.0	43.3	3.7	2.3
CALYPSO 3 (MS2)	4.7	93.0	75.0	86.3	93.0	56.7	50.0	33.3	43.3	4.0	2.3
GRAY STAR (PST-2LGL)	4.7	90.0	66.7	80.0	91.7	53.3	43.3	23.3	40.0	3.7	2.0
HARRIER (SRX 4UP3)	5.0	80.0	73.3	81.7	91.7	46.7	46.7	30.0	43.3	3.3	2.0
LS 2300 (APR 1670)	5.0	96.3	83.3	91.3	97.7	66.7	66.7	53.3	66.7	3.7	2.7
MANHATTAN 5 GLR (PST-2AM)	5.0	95.0	76.7	85.0	93.3	53.3	56.7	33.3	46.7	3.0	2.0
NOTABLE (AF)	4.7	93.3	63.3	78.3	91.7	56.7	50.0	40.0	60.0	4.0	2.3
PICK 02-R	4.7	88.0	65.0	76.7	90.0	46.7	36.7	23.3	26.7	3.7	2.0
PST-217	5.3	93.0	70.0	81.7	93.0	60.0	56.7	46.7	56.7	4.0	2.3
PST-2BLK	4.3	86.3	71.7	83.0	93.0	56.7	46.7	26.7	33.3	4.0	2.0
SUNSHINE 2	4.0	83.0	58.3	68.3	76.3	50.0	40.0	35.0	45.0	3.3	1.7
ASP6004 (EXS54)	5.0	96.3	70.0	81.7	88.3	50.0	46.7	30.0	43.3	3.3	2.0
BAR LP 4317	5.3	96.3	81.7	86.7	91.3	63.3	56.7	33.3	43.3	3.7	2.0
DELAWARE XL (PICK 01-2)	5.3	95.0	76.7	85.0	93.0	50.0	56.7	33.3	50.0	3.3	2.0
DP 17-9788	5.0	97.7	73.3	85.0	94.7	60.0	50.0	33.3	46.7	3.7	2.0
HEADSTART 2	5.7	96.3	80.0	85.0	90.0	53.3	50.0	30.0	40.0	4.0	2.3
MAJESTY II (VB77)	5.0	63.0	56.7	68.3	81.7	36.7	33.3	25.0	26.7	3.0	2.0
PACESETTER II (PS-2)	5.0	96.3	71.7	81.7	91.7	60.0	60.0	33.3	53.3	4.0	2.0
PINNACLE II	5.0	91.3	66.7	80.0	95.0	50.0	43.3	30.0	40.0	3.0	2.0
PLATEAU (PST-2LAN)	4.7	88.0	68.3	81.7	91.7	43.3	40.0	33.3	38.3	3.3	1.7
PLEASURE SUPREME (PM 103)	5.7	96.3	78.3	86.7	96.3	60.0	56.7	46.7	63.3	4.0	2.7
PM 102	4.7	95.0	68.3	83.3	93.0	53.3	50.0	33.3	50.0	3.7	2.0
PST-2AG4	3.7	73.0	58.3	68.3	78.3	36.7	40.0	26.7	30.0	2.7	2.3
QUICKSILVER	5.0	93.3	61.7	73.3	91.7	63.3	53.3	33.3	46.7	3.7	2.3
TOP GUN II (JR-324)	5.3	84.7	48.3	83.3	90.0	60.0	56.7	40.0	56.7	3.7	2.7
WAYFARER (L44)	5.3	79.7	70.0	78.3	84.7	46.7	43.3	28.3	41.7	3.0	1.7
WIND DANCE 2 (PWDR)	5.3	94.7	78.3	86.7	93.3	53.3	50.0	36.7	43.3	3.3	2.0
ACCENT II (JR-119)	4.7	83.3	48.7	80.0	86.7	50.0	50.0	23.3	43.3	3.3	2.0
BAR LP 4420	4.7	93.0	73.3	83.3	91.7	56.7	50.0	33.3	46.7	3.3	2.0
ES45	5.0	91.3	63.3	78.3	90.0	46.7	50.0	30.0	36.7	2.7	2.0
FIJI (GPR)	4.7	79.7	65.0	78.3	90.0	66.7	50.0	36.7	53.3	4.3	2.3
GRAY FOX (PST-2MNG)	4.7	96.3	71.7	81.7	96.0	60.0	56.7	36.7	53.3	3.7	2.3

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
GROWN UNDER TRAFFIC STRESS AT PUYALLUP, WA */
2007 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY	PERCENT	PERCENT LIVING GROUND COVER RATINGS AFTER TRAFFIC							QUALITY RATINGS	
	MAY29 (BEFORE TRAFFIC)	COVER MAY29	JUL 16	AUG 14	SEP 5	OCT 26	NOV 9	DEC 14	DEC 28	AFTER TRAFFIC OCT 26	DEC 14
LA QUINTA (JR-255)	5.3	93.3	75.0	81.7	88.3	50.0	46.7	33.3	40.0	3.3	2.0
MONTEREY 3 (JR-408)	3.7	60.0	61.7	75.0	88.3	36.7	33.3	15.0	26.7	2.7	1.7
NEXUS XR (SNR)	4.7	93.0	61.7	78.3	90.0	53.3	53.3	33.3	43.3	3.7	2.0
PENTIUM	5.7	96.0	78.3	86.7	93.3	60.0	53.3	40.0	53.3	3.7	2.3
PRESIDIO (CNV)	5.7	86.3	73.3	83.3	91.7	53.3	56.7	36.7	53.3	3.3	2.0
RINGER II (04-BEN)	4.7	85.0	60.0	75.0	90.0	43.3	40.0	26.7	36.7	3.3	2.0
ASP6001 (RTS)	4.7	91.7	71.7	81.7	88.3	60.0	50.0	26.7	40.0	3.3	2.0
ASP6005 (AJM)	4.7	91.7	68.3	80.0	90.0	53.3	46.7	30.0	43.3	3.7	2.7
BREA (04-BRE)	4.0	83.3	56.7	68.3	80.0	46.7	33.3	25.0	31.7	3.3	2.0
GOALKEEPER II (JR-114)	5.0	96.3	80.0	86.7	93.3	56.7	53.3	40.0	53.3	3.7	2.7
HALO (KN42)	5.0	78.0	61.7	76.7	90.0	53.3	60.0	33.3	43.3	3.7	2.0
HAWKEYE 2 (SRX 4692)	5.0	94.7	75.0	83.3	90.0	60.0	53.3	30.0	43.3	3.7	2.3
INSPIRE	5.0	95.0	68.3	80.0	88.3	56.7	60.0	43.3	56.7	3.7	2.3
SRX 4682	5.0	95.0	81.7	90.0	93.3	56.7	53.3	30.0	50.0	3.7	2.0
VB99	4.3	78.0	56.7	73.3	86.7	43.3	40.0	30.0	31.7	3.0	2.0
PALMER III	5.0	94.7	73.3	80.0	90.0	60.0	53.3	36.7	50.0	4.0	2.7
PANTHER	4.3	90.0	75.0	83.3	93.3	60.0	46.7	33.3	40.0	4.0	2.3
PREMIER II	4.3	90.0	68.3	80.0	91.7	40.0	43.3	26.7	43.3	3.0	2.0
BARLENNIUM	4.7	95.0	61.7	75.0	90.0	46.7	46.7	33.3	40.0	3.3	2.0
FIREBOLT (PRG HS-01-09)	4.7	90.0	61.7	73.3	86.7	60.0	43.3	26.7	43.3	3.3	2.0
NEXUS XD (SP4)	5.0	95.0	68.3	80.0	90.0	53.3	53.3	30.0	40.0	3.7	2.3
AFFINITY	4.3	93.3	70.0	83.3	95.0	53.3	31.7	33.3	50.0	3.3	2.0
LPR 02203	4.7	94.7	75.0	81.7	90.0	60.0	50.0	36.7	40.0	3.3	2.0
PINNACLE	5.0	95.0	78.3	86.7	93.3	56.7	46.7	33.3	50.0	3.7	2.3
PREMIER	4.3	93.3	66.7	78.3	88.3	53.3	43.3	33.3	50.0	3.3	2.0
CADDIESHACK II (JR-163)	5.0	93.3	73.3	81.7	88.3	56.7	53.3	33.3	46.7	3.7	2.0
LINN	4.0	91.7	65.0	78.3	93.3	53.3	50.0	33.3	43.3	3.0	2.0
LSD VALUE	6.7	42.5	43.4	35.9	43.0	52.3	41.6	39.4	35.9	2.4	2.2
C.V. (%)	22.1	12.6	18.7	11.8	10.1	21.6	25.9	32.1	28.2	18.8	25.0

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.

*/ TRAFFIC IS APPLIED USING A BRINKMAN TRAFFIC SIMULATOR FITTED WITH FOOTBALL CLEATS. TWELVE PASSES PER WEEK FOR EIGHT WEEKS ARE APPLIED IN SPRING AND FALL, STARTING IN FALL 2005.

TABLE 13.

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

NAME	PERCENT FULLNESS OF CANOPY RECEIVED TRAFFIC IN FALL					WEAR TOLERANCE	RECOVERY	RECOVERY
	SEP 15 PRE-WEAR	SEP 18 24 PASSES	SEP 29 12 DAW*/	OCT 13 26 DAW*/	OCT 29 42 DAW	SEP 18 24 PASSES	OCT 13 26 DAW	OCT 30 43 DAW
PINNACLE	81.7	28.3	35.0	58.3	73.3	3.0	6.7	8.7
DP 17-9788	88.3	40.0	43.3	61.7	80.0	4.7	6.7	8.0
PANTHER GLS	90.0	48.3	55.0	63.3	75.0	5.7	6.7	8.0
AFFINITY	71.7	28.3	33.3	45.0	70.0	2.7	5.3	7.7
BARLENNIUM	83.3	35.0	40.0	46.7	65.0	4.3	5.0	7.7
PLATEAU (PST-2LAN)	85.0	50.0	53.3	66.7	76.7	6.0	7.3	7.7
SILVER DOLLAR	91.3	50.0	53.3	61.7	76.7	6.0	6.3	7.7
CITATION FORE	85.0	46.7	40.0	51.7	68.3	5.3	5.7	7.3
CHIVALRY (APR 1648)	88.3	38.3	45.0	51.7	65.0	4.0	5.7	7.0
HAWKEYE 2 (SRX 4692)	94.3	41.7	38.3	51.7	70.0	5.3	5.7	7.0
BRIGHTSTAR SLT	81.7	46.7	48.3	51.7	63.3	5.7	6.0	6.7
PALMER III	81.7	45.0	45.0	51.7	68.3	5.0	6.0	6.7
BAR LP 4920	85.0	33.3	33.3	45.0	58.3	3.0	4.7	6.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	86.7	50.0	46.7	55.0	70.0	5.7	6.0	6.3
DO4-LP05	78.3	41.7	48.3	51.7	58.3	4.7	5.0	6.3
PREMIER II	90.0	38.3	38.3	50.0	61.7	5.0	5.3	6.3
PST-217	83.3	40.0	41.7	48.3	60.0	5.3	5.3	6.3
SRX 4682	91.3	40.0	43.3	55.0	66.7	4.7	6.3	6.3
BREA (04-BRE)	78.3	33.3	35.0	36.7	56.7	4.3	4.7	6.0
DART (APR 1663)	86.7	40.0	38.3	43.3	65.0	4.3	4.3	6.0
ES45	83.3	40.0	41.7	45.0	66.7	5.0	4.7	6.0
LPR 02203	75.0	21.7	28.3	41.7	58.3	2.3	5.3	6.0
LS 2300 (APR 1670)	78.3	40.0	38.3	43.3	65.0	4.3	4.3	6.0
MACH I	85.0	56.7	51.7	56.7	65.0	6.0	5.7	6.0
PLEASURE SUPREME (PM 103)	88.0	38.3	35.0	36.7	46.7	3.7	2.7	6.0
PST-2AG4	85.0	38.3	41.7	50.0	60.0	5.0	5.0	6.0
TR47	78.3	38.3	41.7	45.0	56.7	4.7	4.3	6.0
WIND DANCE 2 (PWDR)	80.0	48.3	45.0	48.3	61.7	6.0	5.3	6.0
1G SQUARED (APR 1664)	90.0	38.3	38.3	43.3	53.3	4.0	4.7	5.7
ACCENT II (JR-119)	85.0	33.3	35.0	41.7	60.0	4.0	4.3	5.7
FIREBOLT (PRG HS-01-09)	81.7	40.0	36.7	38.3	51.7	4.3	4.0	5.7
FOREVER (DP 17-9499)	76.7	38.3	35.0	40.0	58.3	4.7	3.7	5.7
MANHATTAN 5 GLR (PST-2AM)	85.0	40.0	40.0	45.0	56.7	4.3	4.0	5.7
MMW	86.7	41.7	38.3	46.7	63.3	4.3	5.0	5.7
PACESETTER II (PS-2)	81.7	46.7	41.7	46.7	60.0	6.3	5.3	5.7
PANTHER	90.0	38.3	38.3	43.3	60.0	4.0	4.3	5.7
PREMIER	75.0	31.7	31.7	43.3	66.7	3.0	4.3	5.7
REVENGE GLX (JR-348)	83.3	38.3	40.0	48.3	63.3	5.3	4.7	5.7
SECRETARIAT II GLSR (LTP-101-GLSR)	90.0	41.7	43.3	48.3	68.3	4.0	5.3	5.7
E-99	93.3	43.3	41.7	48.3	66.7	5.0	5.3	5.3
FIJI (GPR)	80.0	48.3	46.7	46.7	58.3	5.3	5.0	5.3
GALATTI (DP 17-9502)	88.0	40.0	38.3	46.7	63.3	4.7	4.7	5.3
HALO (KN42)	80.0	41.7	41.7	50.0	61.7	3.7	5.0	5.3
HEADSTART 2	80.0	41.7	41.7	45.0	58.3	5.3	4.3	5.3
LINE DRIVE GLS (APR 1797)	94.3	40.0	38.3	45.0	58.3	5.0	4.3	5.3
MONTEREY 3 (JR-408)	66.7	31.7	41.7	48.3	58.3	3.7	5.0	5.3
WAYFARER (L44)	71.7	38.3	36.7	40.0	55.0	3.3	4.0	5.3

TABLE 13. (CONT'D)

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

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

TABLE 13.
(CONT'D)

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

NAME	PERCENT FULLNESS OF CANOPY RECEIVED TRAFFIC IN FALL					WEAR TOLERANCE		RECOVERY
	SEP 15 PRE-WEAR	SEP 18 24 PASSES	SEP 29 12 DAW*/	OCT 13 26 DAW*/	OCT 29 42 DAW	SEP 18 24 PASSES	OCT 13 26 DAW	OCT 30 43 DAW
LINN	46.7	5.0	5.0	11.7	41.7	1.0	1.0	4.0
OVERDRIVE	66.3	26.7	25.0	31.7	51.7	3.3	3.7	4.0
PALMER IV	91.3	35.0	31.7	35.0	51.7	4.0	4.3	4.0
PIANIST (DP 17-9505)	78.3	36.7	33.3	36.7	53.3	3.3	3.7	4.0
PRIMARY (IS-PR 269)	88.3	35.0	28.3	33.3	48.3	4.0	3.7	4.0
PROTEGE GLR	78.3	36.7	35.0	33.3	46.7	3.3	4.0	4.0
PST-2BLK	90.0	30.0	28.3	31.7	48.3	3.0	3.3	4.0
QUICKSILVER	78.3	30.0	28.3	30.0	46.7	3.3	3.3	4.0
REPELL GLS	65.0	23.3	25.0	30.0	48.3	2.7	3.3	4.0
ZOOM (LCK)	81.7	35.0	36.7	38.3	56.7	3.7	4.0	4.0
ALLSTAR 3 (IS-PR 274)	90.0	35.0	35.0	36.7	58.3	4.0	4.0	3.7
EDGE II (AC2)	68.3	28.3	26.7	31.7	50.0	2.3	2.0	3.7
RINGER II (O4-BEN)	80.0	28.3	26.7	30.0	43.3	2.7	2.3	3.7
UNO (D04-11T)	93.0	33.3	31.7	36.7	45.0	3.0	3.0	3.7
AMAZING GS (IS-PR 276)	93.0	31.7	30.0	31.7	48.3	3.3	3.3	3.3
CABO II (IS-PR 233)	66.7	25.0	28.3	30.0	46.7	2.7	2.3	3.3
PROTOTYPE (DCM)	78.0	26.7	26.7	25.0	46.7	3.0	3.0	3.3
VB99	60.0	31.7	28.3	28.3	45.0	2.3	3.0	3.3
ASP6003 (TRS)	83.3	23.3	25.0	30.0	43.3	2.7	2.7	3.0
ATTRIBUTE (IS-PR 270)	86.3	31.7	28.3	30.0	43.3	2.7	2.7	3.0
DASHER 3 (PICK RB-1)	81.7	31.7	25.0	28.3	41.7	2.7	2.7	3.0
DERBY XTREME (IS-PR 268)	80.0	31.7	28.3	31.7	43.3	3.7	3.3	3.0
KOKOMO II (IS-PR 235)	85.0	26.7	21.7	23.3	40.0	3.0	2.3	2.7
NEXUS XR (SNR)	63.3	21.7	20.0	21.7	40.0	2.7	2.3	2.7
PALACE (IS-PR 273)	91.3	30.0	25.0	28.3	43.3	2.7	3.0	2.7
LSD VALUE	19.8	27.2	25.0	28.0	23.7	5.7	4.3	3.2
C.V. (%)	12.0	28.9	29.3	30.4	19.5	43.0	38.9	30.7

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

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

*/ DAW - DAYS AFTER WEAR (TRAFFIC).

TABLE 14.

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IA1	IL1	IL2	IN1	KY1	MA1	MD1	MI1	MN1	MO1	ND1	NE1	NJ1	OK1	OR1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
NEXUS XD (SP4)	8.1	6.4	8.6	7.9	8.0	7.9	8.0	6.5	7.8	6.9	7.0	8.5	7.4	9.0	8.1	8.6	7.2	7.5	7.0	6.4	7.4	8.3	8.6	7.6
WAYFARER (L44)	7.8	6.3	8.7	7.7	8.5	7.8	6.7	6.7	7.8	7.0	7.0	8.5	7.6	9.0	8.0	8.3	7.2	7.5	7.4	6.5	7.2	7.8	8.3	7.6
TR47	7.8	6.8	8.1	8.1	8.0	7.8	7.3	6.1	7.4	7.1	7.0	8.8	7.8	8.7	7.9	8.6	7.0	7.3	7.3	6.3	7.4	8.1	8.2	7.6
PICK 02-R	7.5	6.0	8.5	7.4	8.0	7.7	8.0	6.3	7.4	8.0	7.0	8.6	7.2	8.7	7.9	8.7	7.0	6.7	7.3	7.3	7.3	8.0	8.1	7.6
HALO (KN42)	7.3	6.7	8.1	7.5	8.0	7.6	8.0	6.8	7.6	6.9	7.0	8.5	7.4	8.3	7.9	8.6	7.2	7.6	7.2	5.9	7.7	8.2	8.3	7.5
NEXUS XR (SNR)	7.8	6.6	7.9	7.4	8.0	7.7	7.0	6.7	7.7	7.0	7.0	8.6	6.9	8.7	7.7	8.3	6.8	7.0	6.6	7.4	7.5	8.0	8.2	7.5
VB99	7.3	6.7	8.1	7.6	8.0	7.8	8.0	6.6	6.8	7.3	7.0	8.4	7.0	9.0	8.1	8.4	7.3	6.9	7.0	6.7	7.4	8.0	8.1	7.5
CABO II (IS-PR 233)	7.9	6.5	7.6	7.9	7.7	7.7	8.0	6.2	7.9	6.9	7.0	8.3	7.9	9.0	7.9	8.3	7.0	6.4	7.2	6.3	7.6	8.2	8.6	7.4
PM 102	7.8	6.3	7.5	7.5	8.0	7.5	8.0	6.8	7.8	7.1	7.0	8.5	7.0	8.3	7.7	8.7	7.0	7.2	6.9	6.4	7.3	8.8	7.9	7.4
ES45	7.4	6.3	7.9	7.7	8.0	7.5	7.3	6.3	7.5	7.0	7.0	8.3	7.2	8.7	7.9	8.6	7.2	7.5	7.2	6.4	7.6	8.0	7.6	7.4
ASP6006 (LPFG)	8.0	6.7	7.8	7.5	7.3	7.5	7.7	6.2	7.4	7.1	7.0	8.6	7.2	8.7	7.7	8.1	7.0	7.2	6.9	6.8	7.3	7.9	8.2	7.4
ASP6003 (TRS)	7.3	6.3	8.1	7.4	7.0	7.7	7.3	6.3	7.0	7.1	7.0	8.6	6.8	8.7	7.8	8.6	6.8	7.4	7.1	6.7	7.4	7.8	8.0	7.4
ASP6005 (AJM)	7.6	6.3	7.9	7.4	8.3	7.6	7.7	6.3	7.5	6.7	7.0	8.8	7.3	9.0	7.7	8.4	7.0	7.0	6.9	6.3	7.1	7.8	7.8	7.3
FIREBOLT (PRG HS-01-09)	7.5	5.8	7.9	7.7	8.0	7.3	7.3	6.3	7.3	7.9	7.0	8.3	6.9	8.3	7.6	8.2	7.2	7.2	6.8	6.6	7.3	7.9	7.4	7.3
ASP6002 (BPR)	7.5	6.4	7.8	7.1	7.5	7.5	7.7	6.4	7.3	7.2	7.0	8.4	7.1	9.0	7.7	8.4	7.0	7.1	6.8	6.5	7.1	8.2	7.7	7.3
REGAL 5 (IS-PR 271)	7.5	6.2	6.9	8.1	8.3	7.6	7.7	6.0	8.0	6.7	7.0	8.6	7.4	8.7	7.9	8.3	7.2	6.9	6.9	6.3	7.1	7.8	7.7	7.3
FIJI (GPR)	7.8	6.4	7.6	7.3	8.0	7.5	7.3	6.2	7.1	7.1	7.0	8.5	6.8	8.3	8.0	8.3	7.0	7.2	7.1	6.4	7.4	7.8	7.2	7.3
WIND DANCE 2 (PWDR)	7.8	6.1	7.9	7.1	8.0	7.5	7.7	6.3	7.1	7.4	7.0	8.5	6.6	8.7	7.6	8.2	7.0	6.9	6.9	6.8	7.1	7.7	8.1	7.3
ASP6004 (EXS54)	7.7	6.4	7.7	7.2	8.0	7.6	7.3	6.3	7.3	6.9	7.0	8.5	6.8	8.7	7.6	8.1	6.8	6.9	7.0	6.7	7.2	7.9	7.7	7.3
CUTTER II (PM 101)	7.6	6.1	7.3	7.5	8.0	7.2	7.7	7.1	6.8	7.2	7.0	8.2	7.0	8.3	7.9	8.1	6.7	6.5	6.8	6.8	6.9	7.7	7.3	7.2
PALACE (IS-PR 273)	7.6	6.3	7.1	7.5	8.3	7.3	7.7	6.1	7.3	6.7	7.0	8.5	6.9	8.7	7.7	8.3	7.0	6.9	6.2	6.3	7.5	7.6	7.7	7.2
MAJESTY II (VB77)	7.7	6.3	7.3	7.7	8.0	7.7	8.0	6.1	6.5	7.1	7.0	8.3	6.0	8.3	7.7	7.6	7.2	7.1	6.7	6.4	7.3	7.6	7.6	7.2
ASP6001 (RTS)	7.4	6.2	7.3	7.5	7.7	7.7	7.3	6.1	7.3	6.7	7.0	8.6	6.8	8.3	7.6	8.0	7.0	6.5	6.7	6.4	7.3	7.6	7.8	7.2
SUNSHINE 2	7.1	5.8	7.7	6.6	8.0	7.6	8.0	6.6	6.8	7.3	7.0	8.1	6.1	8.7	7.9	8.1	7.2	6.6	6.8	6.2	7.3	7.7	7.7	7.1
STELLAR GL (IS-PR 236)	7.0	6.3	7.3	7.7	8.0	7.3	7.0	6.3	7.6	6.9	7.0	7.9	6.7	8.0	7.7	8.3	7.0	6.0	6.2	6.3	7.4	7.5	7.3	7.1
CHIVALRY (APR 1648)	7.8	6.3	7.3	7.4	7.7	7.4	7.0	5.5	7.3	6.8	7.0	8.3	6.7	7.7	7.5	8.3	7.0	6.1	6.6	6.3	7.4	7.8	6.9	7.1
LA QUINTA (JR-255)	7.1	6.2	7.3	7.1	8.0	7.4	7.7	5.6	7.1	6.1	7.0	8.3	6.8	8.3	7.7	7.6	6.8	6.8	7.1	6.3	7.5	7.7	7.6	7.1
CALYPSO 3 (MS2)	7.4	6.7	7.1	7.9	8.3	7.1	7.0	5.8	7.0	7.0	7.0	7.8	6.5	8.3	7.5	7.9	6.7	6.0	6.3	6.5	7.3	7.8	7.4	7.1
FIESTA 4 (PICK F4)	7.3	6.4	7.2	7.1	8.3	7.1	7.3	6.3	7.1	6.7	7.0	8.3	6.0	7.7	7.7	8.1	7.0	6.2	6.8	6.3	7.3	7.6	7.2	7.0
PRESIDIO (CNV)	6.5	6.3	7.5	7.5	7.7	7.1	6.7	5.8	6.4	7.3	7.0	8.2	6.0	7.7	7.7	7.9	7.0	6.7	6.7	6.0	7.6	8.0	7.4	7.0
PALMER IV	7.2	6.5	6.7	7.2	8.0	7.2	7.3	6.1	7.3	6.9	7.0	8.0	7.2	8.3	7.8	8.2	6.5	5.8	6.7	6.1	7.4	7.3	6.4	7.0
UNO (D04-11T)	7.5	6.5	6.7	7.1	8.0	7.2	7.0	6.4	6.7	6.9	7.0	7.9	6.6	8.0	7.9	7.9	7.0	5.8	6.9	6.6	7.1	7.3	7.0	7.0
KOKOMO II (IS-PR 235)	7.2	6.3	6.7	7.7	7.7	7.2	7.0	6.2	6.8	6.2	7.0	8.3	6.8	8.0	7.8	8.2	6.8	5.9	6.7	5.9	7.4	7.8	7.0	7.0
SOPRANO (DP1)	7.7	6.2	6.9	7.5	8.3	7.2	6.3	6.3	6.6	6.5	7.0	7.8	6.1	7.7	7.7	8.1	6.8	5.8	7.0	6.3	7.1	7.8	7.8	7.0
DELAWARE XL (PICK 01-2)	7.0	5.9	7.3	7.1	8.0	7.1	6.7	5.8	6.8	7.1	7.0	8.1	6.9	8.7	7.4	7.7	7.2	6.3	6.4	6.1	7.3	7.8	6.9	7.0
EDGE II (AC2)	7.5	6.0	6.6	7.6	8.0	7.5	7.0	6.2	6.8	6.9	7.0	8.2	6.0	8.3	7.6	7.4	6.5	6.3	6.7	6.4	7.3	7.3	6.8	7.0
ALLSTAR 3 (IS-PR 274)	7.7	6.3	6.7	7.5	8.0	7.0	7.0	5.8	7.0	6.7	7.0	8.1	7.0	8.0	7.8	7.9	7.2	5.7	6.9	5.8	7.1	7.3	7.4	7.0
DERBY XTREME (IS-PR 268)	7.6	6.1	7.0	7.5	8.0	7.3	6.7	6.0	6.6	6.5	7.0	8.2	6.4	7.7	7.6	7.8	6.7	5.8	6.6	6.3	7.4	7.4	7.0	6.9
AMAZING GS (IS-PR 276)	7.6	6.3	6.4	7.6	8.3	6.9	7.0	5.7	7.2	6.5	7.0	8.1	6.8	8.0	7.6	8.0	7.0	6.3	6.4	6.3	7.0	7.5	7.2	6.9
REVENGE GLX (JR-348)	7.1	6.1	6.3	8.2	8.0	7.3	6.3	6.2	6.7	6.6	7.0	7.8	6.3	8.0	7.1	7.3	6.7	6.9	6.6	6.4	7.3	7.5	6.7	6.9
EXACTA II GLSR (LTP-611-GLSR)	6.8	6.3	7.3	7.7	8.7	7.3	6.7	5.9	6.8	6.5	7.0	7.9	6.6	7.7	7.6	7.4	6.8	6.0	6.4	5.9	7.1	7.3	7.3	6.9
HEADSTART 2	7.1	6.4	7.0	6.9	8.0	7.3	7.3	5.9	5.7	7.0	7.0	8.0	6.6	8.7	7.4	7.9	7.0	6.3	6.2	6.3	7.0	7.4	6.8	6.9
FUSION	7.3	6.3	5.9	7.1	7.7	7.5	6.7	5.4	6.8	6.6	7.0	8.2	6.8	8.7	7.7	7.8	6.7	6.4	6.4	6.2	7.0	7.8	7.8	6.9
PROTEGE GLR	7.0	6.3	7.1	7.5	8.3	7.1	6.3	5.9	6.3	6.9	7.0	7.5	6.8	7.0	7.7	7.6	6.7	6.8	6.6	5.3	7.2	7.3	7.2	6.9
PLEASURE SUPREME (PM 103)	6.7	5.8	6.9	7.5	7.3	6.9	6.7	6.3	6.7	6.7	7.0	8.3	6.4	7.7	7.3	7.7	6.8	5.9	6.4	5.7	7.1	7.8	7.2	6.8

TABLE 14. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IA1	IL1	IL2	IN1	KY1	MA1	MD1	MI1	MN1	MO1	ND1	NE1	NJ1	OK1	OR1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
ATTRIBUTE (IS-PR 270)	7.3	6.3	6.8	7.5	8.3	7.2	6.3	5.8	6.9	6.2	7.0	8.2	6.1	7.7	7.9	7.9	6.7	5.5	5.8	6.0	7.0	7.3	7.0	6.8
DASHER 3 (PICK RB-1)	6.8	6.3	6.5	8.0	8.0	6.7	6.7	6.1	6.3	6.8	7.0	8.1	6.8	7.7	7.5	7.6	6.7	6.1	6.5	6.1	6.9	6.9	6.6	6.8
QUICKSILVER	7.4	5.8	6.5	7.1	6.7	7.1	7.7	5.7	6.7	6.7	7.0	7.5	6.9	7.3	7.1	8.1	6.8	6.2	6.7	5.9	7.1	7.6	6.8	6.8
MMW	7.2	6.4	6.0	7.3	8.3	7.0	6.7	6.3	6.8	6.2	7.0	7.7	6.3	8.0	7.1	7.9	7.0	5.8	6.8	6.5	7.1	7.3	7.1	6.8
PALMER V (RNS)	7.6	6.1	6.2	7.3	8.0	6.8	6.7	6.3	6.5	6.7	7.0	7.8	5.8	7.3	7.3	7.2	6.3	5.4	6.4	6.4	7.3	7.0	7.1	6.7
PARAGON GLR	7.4	6.1	6.2	7.2	8.3	6.2	6.0	5.6	5.8	6.7	7.0	7.8	6.0	7.3	7.8	7.6	6.8	6.3	6.6	6.2	7.1	7.3	7.4	6.7
MACH I	7.2	6.2	6.1	7.1	7.3	7.2	6.7	5.8	5.8	6.4	7.0	8.3	5.9	7.7	7.3	7.4	7.0	5.5	6.3	6.3	7.2	7.6	7.2	6.7
ZOOM (LCK)	7.3	6.5	6.1	7.6	8.0	6.9	7.0	6.2	5.6	6.6	7.0	7.7	6.1	8.0	7.4	7.6	7.2	5.7	6.6	6.3	6.7	7.0	6.7	6.7
HOMERUN (RG3P)	7.1	6.0	6.0	7.2	8.3	6.7	6.3	5.8	6.3	7.0	7.0	7.8	6.0	7.7	7.7	7.3	6.8	5.8	6.4	5.7	7.3	7.4	6.7	6.7
FOREVER (DP 17-9499)	7.0	6.3	6.2	7.4	8.0	6.6	6.3	5.5	5.7	6.5	7.0	8.3	5.8	8.0	7.2	7.6	6.8	5.9	6.6	6.3	7.1	7.8	7.4	6.7
APPLE GL (AAZ-B104)	7.5	6.2	6.4	7.1	7.7	6.9	6.0	5.6	6.5	6.4	7.0	7.9	6.5	7.7	7.6	7.3	6.5	5.3	6.7	5.9	6.8	7.3	7.0	6.7
TOP GUN II (JR-324)	7.1	6.0	6.7	6.9	7.7	6.7	6.7	6.3	5.8	6.5	7.0	7.8	5.4	7.7	7.1	7.2	6.7	6.3	6.6	6.1	7.3	7.3	6.7	6.7
BUENA VISTA	7.3	6.3	6.1	7.5	7.7	6.9	6.3	5.7	6.4	6.3	7.0	7.5	5.8	7.3	7.5	7.4	6.7	5.8	6.8	5.9	7.3	7.2	6.4	6.7
SR 4600 (SRX 4SP)	7.6	5.9	6.1	7.3	8.3	6.7	6.7	5.1	6.4	6.7	7.0	7.8	6.0	7.3	7.5	7.0	6.5	5.7	6.7	6.1	7.1	7.6	6.6	6.7
PST-2AG4	7.1	6.3	6.2	7.3	8.0	6.9	6.0	6.1	6.3	6.4	7.0	7.9	5.4	7.3	7.3	7.3	6.7	5.9	6.8	5.7	6.9	7.3	6.4	6.6
BAR LP 4420	7.0	6.2	6.1	7.3	7.7	6.7	6.0	6.1	5.4	6.7	7.0	8.2	5.8	7.7	7.1	7.4	6.3	6.1	6.4	5.8	6.9	7.4	6.2	6.6
SILVER DOLLAR	6.9	5.6	6.1	7.2	8.0	6.9	6.0	5.9	5.2	6.9	7.0	7.8	6.1	7.3	7.2	7.8	6.7	5.5	6.7	6.0	6.9	7.3	6.4	6.6
PRIMARY (IS-PR 269)	6.6	6.0	5.9	7.3	8.0	6.7	6.0	5.9	6.0	6.3	7.0	7.6	6.1	7.3	7.2	6.9	6.5	5.4	6.6	6.3	7.0	7.3	6.4	6.5
PINNACLE II	7.3	6.1	6.4	7.2	7.3	6.3	6.3	5.8	6.0	6.1	7.0	7.5	6.0	7.3	7.0	7.0	6.8	5.5	6.7	5.5	7.0	7.2	7.3	6.5
PALMER GLS (GL-2)	6.8	5.9	5.9	7.6	7.7	6.7	6.0	5.6	5.9	6.5	7.0	7.7	6.0	8.0	7.1	7.2	6.5	5.1	6.6	5.7	7.2	7.3	6.4	6.5
HAWKEYE 2 (SRX 4692)	6.7	5.7	6.3	7.3	7.7	6.7	5.3	5.6	5.6	6.6	7.0	7.2	5.3	7.7	7.1	7.4	6.7	5.8	6.7	6.1	7.1	7.4	6.2	6.5
BREA (O4-BRE)	6.9	5.4	6.3	7.3	7.7	6.9	6.0	5.0	5.6	6.7	7.0	7.6	5.6	8.0	7.1	7.1	6.3	5.6	5.9	6.2	6.7	7.0	7.1	6.5
NOTABLE (AF)	7.1	6.2	5.9	7.5	8.0	6.5	6.0	5.4	6.3	6.5	7.0	7.4	5.8	7.3	7.1	7.2	6.5	5.4	6.6	5.1	6.9	7.1	7.2	6.5
PST-2BLK	6.6	5.8	5.7	6.7	8.7	6.9	5.0	5.8	5.5	6.5	7.0	7.6	4.4	6.7	7.6	7.8	6.7	6.4	6.7	5.7	7.1	7.1	6.7	6.5
DEFENDER (D04-UP)	6.9	6.2	6.3	7.0	7.3	6.5	6.0	5.8	6.0	6.3	7.0	7.6	6.0	7.0	7.1	7.0	6.3	5.6	6.3	5.7	7.2	7.2	6.3	6.5
HARRIER (SRX 4UP3)	7.0	6.0	6.7	7.3	7.7	6.5	6.0	5.7	5.8	6.6	7.0	7.2	5.6	7.0	7.0	6.9	6.8	5.5	6.8	5.9	6.6	6.8	6.6	6.5
GRAY STAR (PST-2LGL)	6.9	6.1	5.8	7.1	7.3	6.6	5.3	6.1	5.4	6.5	7.0	7.5	5.4	7.3	7.1	6.9	7.0	5.4	6.6	6.1	6.7	7.9	6.2	6.5
OVERDRIVE	7.3	6.0	5.5	7.2	7.3	7.0	6.0	5.7	5.3	6.6	7.0	7.5	4.9	7.7	7.6	7.1	6.7	5.3	6.4	5.7	6.9	7.3	6.2	6.5
1G SQUARED (APR 1664)	6.8	5.9	6.3	5.9	7.7	6.5	6.0	5.8	6.0	6.0	7.0	7.8	5.3	7.7	7.1	7.4	6.5	5.3	6.4	6.0	7.0	7.4	6.9	6.4
PIZZAZZ	6.4	5.5	6.1	7.6	7.5	6.3	6.0	5.4	6.1	5.9	7.0	7.4	5.7	7.3	7.0	7.1	6.3	5.4	6.4	6.1	7.0	7.4	6.6	6.4
PROTOTYPE (DCM)	6.8	5.8	5.9	7.3	7.7	6.5	6.0	5.8	5.1	6.4	7.0	7.5	5.2	7.3	7.1	7.0	6.2	5.2	6.2	6.1	7.1	7.1	6.7	6.4
PHENOM (APR 1660)	6.8	5.8	5.9	7.2	7.7	6.6	5.7	4.7	5.8	6.1	7.0	7.3	4.9	7.7	6.9	6.8	6.5	6.0	6.3	6.2	7.3	7.1	6.6	6.4
PACESETTER II (PS-2)	6.4	5.8	5.7	7.2	8.0	6.3	6.7	5.4	5.4	6.0	7.0	7.6	5.4	7.3	6.9	7.0	6.3	5.3	6.2	6.3	7.1	7.6	6.8	6.4
D04-LP05	6.7	5.5	5.9	7.5	8.0	6.8	6.0	5.5	5.3	5.9	6.7	7.2	5.7	7.3	7.1	7.2	6.7	5.9	6.1	5.3	7.1	7.4	6.0	6.4
PANTHER GLS	6.4	6.2	6.0	7.1	7.7	6.4	5.7	6.1	5.0	6.3	7.0	7.3	5.3	7.3	7.3	7.1	6.2	5.3	6.4	5.6	7.1	7.0	6.4	6.4
KEYSTONE 2 (IS-PR 312)	6.8	6.3	5.5	7.6	7.0	6.4	5.7	6.2	4.8	6.2	7.0	7.4	5.4	7.0	7.0	6.8	6.5	5.4	6.2	5.9	7.0	7.2	6.0	6.4
GALATTI (DP 17-9502)	6.3	5.8	5.3	7.0	7.7	6.7	5.7	6.1	4.8	6.5	6.0	7.5	5.1	7.3	7.2	6.7	6.7	5.3	6.4	6.3	6.9	7.3	6.7	6.4
LINE DRIVE GLS (APR 1797)	6.5	6.0	5.4	7.3	7.7	6.3	5.3	5.8	6.0	6.3	7.0	8.0	4.8	7.0	7.1	6.6	6.3	5.1	6.3	6.2	6.9	7.3	5.9	6.4
REPELL GLS	6.8	5.8	5.8	7.1	8.3	6.5	5.0	5.9	5.1	6.5	7.0	7.6	5.0	7.3	6.9	6.9	6.7	5.7	6.1	5.8	7.1	6.7	6.3	6.4
PST-217	6.8	6.2	5.9	6.4	8.0	6.7	5.3	5.3	5.3	6.4	7.0	7.4	5.2	7.0	7.1	6.9	6.8	5.9	6.2	5.7	7.0	6.9	7.2	6.4
GRAY FOX (PST-2MNG)	6.4	5.7	5.2	7.3	8.0	6.7	5.3	5.5	5.3	6.3	7.0	7.5	5.3	7.3	7.2	7.0	6.3	6.2	6.3	5.3	7.1	7.2	5.9	6.3
GOALKEEPER II (JR-114)	6.8	5.3	5.7	6.5	8.0	6.4	5.7	6.0	4.8	6.5	7.0	7.1	4.3	7.0	7.0	6.6	6.7	6.1	6.8	5.8	7.0	7.3	7.7	6.3
DART (APR 1663)	6.6	5.8	5.4	7.1	7.3	6.5	5.0	5.8	5.4	6.4	7.0	7.6	5.3	7.0	6.7	6.9	6.7	5.5	6.3	5.6	6.6	7.3	6.8	6.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.8	5.7	5.5	6.9	8.0	6.5	5.7	5.2	5.2	5.9	7.0	7.6	5.2	7.3	7.3	6.8	6.5	5.3	6.7	5.2	7.3	6.9	6.7	6.3
GRAND SLAM 2 (PST-2GSM)	7.0	5.4	5.3	6.9	7.3	6.3	5.3	5.5	5.3	6.5	7.0	7.2	5.1	7.3	7.1	6.7	6.8	5.5	5.9	5.8	7.0	7.3	6.4	6.3
MONTEREY 3 (JR-408)	6.8	5.3	5.7	7.1	7.3	6.7	5.0	6.3	4.5	6.5	7.0	7.3	3.9	7.7	6.7	6.4	6.7	5.5	6.4	6.1	7.3	7.2	6.0	6.3

TABLE 14. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IA1	IL1	IL2	IN1	KY1	MA1	MD1	MI1	MN1	MO1	ND1	NE1	NJ1	OK1	OR1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
TRANSFORMER (D04-1667)	6.5	6.1	5.0	7.1	7.7	6.6	5.3	5.5	5.3	6.7	7.0	7.5	5.1	7.3	7.3	7.3	6.2	4.9	6.6	5.3	6.7	7.3	5.8	6.3
PIANIST (DP 17-9505)	6.5	5.3	5.0	7.4	8.0	6.4	5.3	5.8	4.7	6.3	7.0	7.6	5.2	7.7	7.1	6.6	6.7	5.3	7.0	5.5	6.7	7.1	7.1	6.2
RINGER II (04-BEN)	6.6	5.6	5.1	7.3	7.5	6.5	5.7	5.5	4.8	6.3	7.0	7.6	4.0	7.3	7.1	6.4	6.5	5.2	6.6	6.1	6.9	6.7	6.4	6.2
BACCARAT (RAD-PR8)	7.0	5.3	5.2	7.8	7.3	6.5	5.3	5.7	4.8	6.0	6.3	7.2	4.6	7.3	6.9	6.6	6.3	5.4	6.3	5.7	6.7	7.1	5.9	6.2
E-99	6.3	5.1	5.3	6.7	6.7	6.6	5.7	5.5	4.9	6.1	7.0	7.3	5.3	7.0	7.0	6.9	6.7	5.3	6.1	5.5	6.7	6.8	5.7	6.1
ACCENT II (JR-119)	6.5	5.3	5.7	6.5	7.7	6.1	5.0	5.8	4.6	6.5	7.0	7.1	4.4	7.0	6.8	6.0	6.3	5.9	6.2	6.1	6.7	6.8	6.1	6.1
BAR LP 4920	6.7	5.0	4.8	6.5	7.0	6.1	6.0	5.7	4.8	6.0	7.0	7.8	4.1	7.3	6.7	7.1	6.3	5.3	6.4	6.0	6.9	7.5	6.4	6.1
MANHATTAN 5 GLR (PST-2AM)	6.7	5.8	4.9	7.0	7.0	5.9	5.3	6.1	6.0	5.5	7.0	7.2	4.8	6.7	7.2	6.6	6.0	5.2	6.2	5.3	6.6	6.9	5.9	6.1
SECRETARIAT II GLSR (LTP-101-GLSR)	6.8	5.3	4.6	7.2	8.0	6.1	6.0	5.2	4.7	5.9	7.0	7.3	4.5	7.3	7.1	6.3	6.5	5.5	6.2	5.7	6.9	7.1	6.3	6.1
LS 2300 (APR 1670)	6.5	5.3	4.7	7.0	7.3	6.0	6.0	5.0	5.0	5.9	7.0	7.3	4.9	7.0	6.8	6.2	6.5	5.4	6.9	5.7	6.7	6.9	6.2	6.1
INSPIRE	6.2	5.4	5.4	7.3	7.3	6.1	6.0	5.3	4.2	5.8	7.0	7.3	4.4	6.7	6.9	6.8	6.5	4.9	6.3	6.5	6.7	6.6	5.9	6.1
CITATION FORE	6.3	5.8	4.5	7.1	8.0	6.3	4.7	5.7	4.7	6.5	7.0	7.2	4.1	7.0	6.7	6.6	6.3	5.4	6.4	6.0	6.6	6.8	5.4	6.1
CADDIESHACK II (JR-163)	6.9	5.4	5.1	6.8	7.7	6.0	5.0	5.4	3.8	5.9	7.0	6.8	4.8	7.0	6.9	6.3	6.3	5.4	6.3	6.5	6.9	6.7	6.6	6.1
BRIGHTSTAR SLT	6.3	5.4	4.7	7.1	7.0	5.9	5.0	5.8	4.5	6.0	7.0	7.5	4.4	7.0	6.8	5.4	6.7	5.3	6.6	5.3	6.9	6.7	5.3	6.0
PLATEAU (PST-2LAN)	6.8	5.6	4.5	6.8	7.3	5.7	5.0	5.4	4.7	5.5	7.0	7.2	4.0	6.7	7.0	5.7	6.3	4.9	5.4	5.9	6.6	6.3	5.6	5.8
BARLENNIUM	6.4	5.3	4.7	6.3	7.5	6.2	5.0	4.8	4.5	5.9	7.0	6.8	3.7	7.0	6.6	6.0	6.2	4.9	6.1	5.5	6.6	6.7	5.1	5.8
PENTIUM	5.9	4.8	4.6	6.7	7.0	5.8	5.0	4.6	3.8	6.1	7.0	6.9	3.8	6.3	6.7	6.1	6.3	4.9	5.8	5.4	6.7	6.7	5.9	5.7
PREMIER II	6.0	4.9	4.2	7.0	6.5	6.0	4.7	4.8	4.3	5.7	5.0	7.0	4.0	7.0	6.5	5.8	6.3	4.7	5.8	6.0	6.5	6.4	6.1	5.7
PALMER III	6.1	5.0	4.1	6.5	7.3	6.1	5.0	5.3	4.0	5.8	7.0	6.8	4.1	6.3	6.7	6.1	6.3	5.0	5.3	4.9	6.5	6.6	5.7	5.7
BAR LP 4317	6.3	5.2	4.2	6.9	7.0	5.3	5.0	5.0	4.3	5.4	7.0	6.7	3.9	6.7	6.4	5.6	6.3	4.5	5.8	5.3	6.5	7.0	6.2	5.6
SRX 4682	5.3	4.8	4.3	7.1	8.0	6.0	5.0	5.1	4.1	5.7	7.0	6.5	3.9	6.7	6.4	5.7	6.3	4.9	5.9	5.1	6.7	6.6	5.1	5.6
DP 17-9788	6.2	5.1	3.9	6.7	7.3	5.6	4.0	5.1	4.3	5.6	7.0	7.2	2.9	6.7	6.4	5.6	6.3	5.0	5.8	5.1	6.5	6.1	5.9	5.5
PANTHER	5.1	4.7	3.5	5.7	7.5	5.1	4.3	4.4	2.9	5.3	5.0	6.3	2.9	6.0	6.0	4.4	5.7	4.3	5.4	5.4	5.9	5.7	5.0	5.0
LPR 02203	4.8	4.2	2.3	5.4	4.6	4.0	4.3	2.6	4.6	5.0	6.2	2.7	5.3	5.8	4.0	5.8	3.8	3.8	5.1	4.7	5.7	5.4	4.8	4.6
AFFINITY	4.2	3.8	2.5	5.5	6.3	4.8	3.0	3.9	2.2	4.5	5.7	5.6	2.2	5.0	5.7	3.7	5.5	3.7	4.7	4.9	5.2	5.2	4.1	4.4
PREMIER	4.3	3.4	2.2	4.9	6.3	4.4	3.3	3.7	2.2	4.3	5.0	5.4	2.4	5.3	5.6	4.0	5.7	3.7	4.7	4.2	5.5	4.5	4.2	4.2
PINNACLE	3.9	3.5	1.9	4.8	6.3	4.2	3.0	3.5	1.9	4.3	5.0	5.6	2.3	5.0	5.7	3.9	5.2	3.4	4.3	4.5	5.2	4.8	4.8	4.1
LINN	2.4	2.9	1.0	4.1	5.0	3.5	2.0	2.5	1.0	3.8	4.0	4.4	1.0	3.7	5.3	3.4	4.3	2.6	3.6	3.4	4.3	3.0	4.2	3.2
LSD VALUE	1.2	1.0	1.1	1.2	0.9	0.9	0.7	1.7	1.4	1.1	0.3	1.0	1.4	0.9	0.9	1.1	0.7	1.4	1.2	1.8	1.0	1.0	1.5	0.3
C.V. (%)	11.4	11.2	11.2	10.2	6.9	8.4	6.8	18.2	14.8	10.8	2.3	8.4	16.1	7.6	7.3	9.5	7.0	15.2	10.6	19.4	8.9	8.4	13.9	11.7

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

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

TABLE 15.

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2005-09 DATA

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

NAME	IA1	IL1	IL2	IN1	KY1	MA1	MI1	MN1	ND1	NE1	NJ1	NY1	OK1	OR1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
SR 4600 (SRX 4SP)	7.0	5.8	5.0	6.6	7.7	5.1	5.8	5.7	5.7	5.1	8.0	5.0	4.7	6.0	2.7	5.6	6.5	5.8	7.0	5.7	6.2	5.8
SILVER DOLLAR	7.3	5.6	5.2	7.3	6.7	5.0	5.7	6.7	4.0	5.6	7.0	5.0	5.0	6.3	3.7	5.6	6.0	5.7	6.2	5.0	6.2	5.8
CHIVALRY (APR 1648)	7.5	6.1	5.4	6.6	6.3	4.6	5.8	5.3	5.0	4.9	6.3	5.0	4.7	6.3	3.0	5.4	6.5	5.6	6.9	6.3	6.3	5.8
EXACTA II GLSR (LTP-611-GLSR)	7.5	5.7	4.9	7.0	7.3	4.7	5.9	5.7	5.0	5.8	7.0	4.4	5.0	6.3	3.0	4.9	5.8	5.2	6.8	5.3	6.7	5.8
PALMER IV	7.7	5.5	4.1	6.5	7.3	4.3	5.8	5.3	6.0	6.2	6.0	4.9	5.0	6.3	2.7	5.3	6.3	5.4	7.3	5.3	6.2	5.7
MMW	7.7	5.5	4.3	6.6	8.0	4.8	5.5	5.0	5.7	5.8	6.0	4.4	4.3	6.3	2.3	5.4	7.0	5.3	7.6	5.0	6.4	5.7
FIESTA 4 (PICK F4)	7.7	5.5	5.3	7.0	7.7	4.8	5.8	5.3	5.3	4.8	6.3	4.7	4.7	6.3	3.0	5.4	6.3	5.2	7.1	5.0	6.0	5.7
PARAGON GLR	7.7	5.8	4.8	6.1	7.7	4.8	5.8	5.7	6.3	5.3	7.0	4.0	5.0	6.0	2.7	5.2	6.5	5.5	7.1	4.8	6.3	5.7
PALMER V (RNS)	7.7	5.5	3.2	5.7	7.3	5.0	6.2	5.7	5.7	5.7	4.8	4.0	6.3	2.7	5.4	7.0	5.7	7.0	4.8	4.8	6.6	5.7
ASP6004 (EXS54)	8.0	5.7	3.8	6.5	7.3	5.2	6.0	5.3	4.3	5.3	6.3	4.7	4.7	6.7	3.0	5.0	7.0	4.7	7.3	5.3	6.4	5.7
APPLE GL (AAZ-B104)	7.3	5.8	4.2	6.4	7.7	4.6	5.5	5.7	4.0	5.3	6.7	5.0	4.7	6.7	3.0	5.8	6.5	5.1	7.3	5.3	6.6	5.7
1G SQUARED (APR 1664)	7.2	5.8	3.9	6.3	7.3	4.8	6.1	5.3	5.7	4.8	7.0	4.8	4.0	6.3	3.0	5.2	6.8	5.9	6.7	5.3	6.3	5.7
REVENGE GLX (JR-348)	7.0	5.7	4.4	7.1	6.7	4.3	6.1	6.0	6.0	4.7	7.0	4.4	4.7	6.3	3.0	5.3	6.0	5.2	7.9	5.2	6.2	5.7
MAJESTY II (VB77)	8.0	5.8	3.9	6.5	7.3	4.8	5.7	5.3	5.7	5.4	6.0	5.0	5.3	6.3	3.0	5.3	6.3	5.1	7.4	3.7	6.0	5.6
ES45	8.3	5.7	4.4	6.3	7.0	4.5	6.0	5.7	4.7	4.9	5.0	4.4	4.7	7.0	2.7	5.6	6.2	4.9	7.8	4.7	6.3	5.6
MACH I	7.2	5.5	4.3	6.1	6.7	5.0	5.6	5.7	5.7	5.3	6.0	5.3	4.0	6.3	2.3	5.3	6.3	5.0	7.0	4.8	7.1	5.6
PANTHER GLS	7.7	5.6	4.3	6.3	7.0	4.4	6.3	6.0	5.0	5.4	6.7	5.3	4.0	6.0	2.7	5.4	6.5	4.9	6.7	5.3	5.8	5.6
PLEASURE SUPREME (PM 103)	7.3	5.3	4.8	6.1	7.3	4.7	6.3	5.0	5.3	5.3	6.3	5.0	4.7	6.3	3.0	5.0	6.8	5.2	6.8	4.5	6.1	5.6
ASP6006 (LPFG)	7.8	5.8	4.0	6.0	6.0	4.3	5.3	5.3	5.3	5.1	5.7	5.1	4.7	7.0	2.7	5.1	6.8	5.5	7.7	4.8	6.9	5.6
HOMERUN (RG3P)	7.7	5.7	4.4	6.3	7.7	4.7	5.3	5.3	6.0	4.8	6.3	5.3	4.7	6.3	3.3	4.9	6.3	5.0	7.6	5.3	6.2	5.6
AMAZING GS (IS-PR 276)	7.8	6.0	4.2	6.4	7.7	4.8	5.4	5.0	5.0	5.1	6.7	4.4	5.0	6.0	2.7	5.1	6.3	5.3	7.0	4.3	6.4	5.6
FOREVER (DP 17-9499)	7.2	5.3	5.2	6.4	7.7	4.1	5.7	5.7	3.7	5.6	6.0	4.3	4.3	6.3	2.3	6.2	6.7	5.1	6.8	5.2	6.1	5.6
NOTABLE (AF)	7.8	5.6	4.7	6.4	7.7	4.4	6.3	5.7	6.3	5.4	6.3	4.3	4.3	6.3	2.7	5.4	6.5	4.7	6.2	5.0	5.9	5.6
ATTRIBUTE (IS-PR 270)	7.5	5.8	4.4	6.8	7.7	4.7	5.6	5.0	4.0	5.0	6.0	5.0	4.3	6.3	3.0	5.2	6.3	5.3	6.9	4.7	6.3	5.6
PINNACLE II	7.5	6.0	5.3	6.3	6.7	4.4	5.4	6.7	4.3	5.3	7.3	4.2	4.0	6.0	3.3	5.8	6.7	4.9	6.6	4.2	6.3	5.6
WIND DANCE 2 (PWDR)	7.5	5.8	3.7	6.1	7.0	4.9	6.3	4.3	5.0	5.3	5.0	4.0	4.0	7.0	3.0	4.8	6.2	4.8	7.3	4.5	7.1	5.6
CALYPSO 3 (MS2)	7.7	5.6	3.7	5.8	7.0	4.9	5.8	5.3	5.3	4.8	6.0	4.7	4.7	6.3	3.3	5.3	6.7	4.9	7.2	5.0	6.9	5.6
SOPRANO (DP1)	7.8	5.7	4.8	6.8	7.3	4.2	5.3	5.3	4.3	5.2	6.7	4.0	5.0	7.0	3.3	5.1	6.3	5.1	7.2	4.5	6.2	5.6
CABO II (IS-PR 233)	7.8	5.3	4.7	6.2	6.7	4.3	5.8	5.0	3.3	4.8	5.0	5.1	4.7	7.0	2.3	4.8	6.8	5.2	7.7	4.3	7.2	5.6
UNO (D04-11T)	7.5	5.6	5.1	6.3	7.0	4.2	5.9	5.0	4.3	5.3	5.3	5.0	5.0	6.0	2.7	5.0	7.0	4.9	7.1	5.2	5.8	5.6
PROTEGE GLR	6.8	5.4	4.2	6.8	7.7	4.2	5.8	5.7	5.3	4.6	5.0	5.0	4.7	7.0	2.7	4.9	6.5	4.9	7.2	5.7	6.7	5.6
REPELL GLS	7.2	5.9	3.7	6.5	6.3	4.7	6.1	5.0	5.3	4.9	6.3	4.7	4.0	5.7	2.7	5.0	6.5	5.0	7.2	4.7	6.5	5.6
NEXUS XD (SP4)	7.7	5.8	4.3	5.9	6.7	4.3	6.4	5.0	6.0	5.0	5.0	4.3	5.0	6.7	3.0	5.3	6.2	4.5	7.3	3.3	6.9	5.6
PALACE (IS-PR 273)	7.8	5.7	4.3	6.8	7.7	4.3	5.3	5.0	4.0	4.9	6.0	4.3	4.3	6.3	2.7	5.2	6.3	5.3	7.8	4.7	5.9	5.5
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.2	5.8	5.1	6.4	6.3	4.9	5.1	5.7	5.3	4.9	6.3	5.0	4.0	6.3	2.3	5.7	6.5	4.7	6.7	5.5	5.8	5.5
DART (APR 1663)	7.2	5.7	4.3	6.6	7.0	5.0	4.8	5.7	5.3	5.2	7.0	4.7	4.3	6.3	2.7	5.3	6.5	5.4	6.1	5.7	6.1	5.5
DERBY XTREME (IS-PR 268)	7.5	5.3	5.2	6.4	7.0	4.5	5.0	4.3	3.7	4.9	6.0	5.0	4.3	6.7	2.7	5.4	6.5	5.2	7.2	4.0	6.6	5.5
TRANSFORMER (D04-1667)	7.2	5.7	4.6	6.4	7.7	4.2	5.2	5.3	6.0	4.9	5.7	4.8	3.7	6.0	2.7	5.8	6.3	5.3	6.3	6.3	6.1	5.5
ASP6005 (AJM)	7.7	5.7	3.8	6.2	5.7	4.8	5.6	5.7	5.0	5.8	5.7	4.7	4.0	6.3	3.0	4.9	6.5	4.8	7.3	4.8	6.1	5.5
ALLSTAR 3 (IS-PR 274)	7.5	5.9	3.9	6.7	7.0	4.8	5.4	5.0	3.7	5.6	7.0	4.7	4.7	6.3	3.0	5.3	6.2	4.7	7.1	3.8	6.1	5.5
PIZZAZZ	7.0	5.8	4.1	6.2	5.7	3.9	6.1	5.7	4.7	5.1	6.0	4.7	4.7	6.0	2.3	5.7	6.5	5.3	6.7	5.7	6.1	5.5
SECRETARIAT II GLSR (LTP-101-GLSR)	7.2	5.8	4.3	6.3	6.7	4.9	4.9	5.3	5.0	4.8	6.7	4.7	3.7	6.3	3.0	5.8	6.0	5.7	6.4	4.7	5.9	5.5
BUENA VISTA	7.7	5.7	4.2	6.6	7.3	4.3	5.0	5.3	5.0	5.0	5.3	5.0	3.7	6.3	2.7	5.0	6.5	5.3	7.4	4.2	6.3	5.5
ZOOM (LCK)	7.5	5.8	4.6	6.5	7.3	4.9	5.3	5.7	5.0	4.8	7.0	4.7	4.3	6.3	3.0	5.1	6.3	4.9	6.6	4.7	5.3	5.5
DEFENDER (D04-UP)	7.5	5.4	4.6	6.3	7.0	4.7	5.4	5.7	4.3	4.7	6.3	4.6	4.3	6.0	3.0	5.0	6.5	5.3	6.9	5.3	6.2	5.5

TABLE 15. (CONT'D)

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2005-09 DATA

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

NAME	IA1	IL1	IL2	IN1	KY1	MA1	MI1	MN1	ND1	NE1	NJ1	NY1	OK1	OR1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
PRIMARY (IS-PR 269)	6.8	5.8	4.9	6.3	7.0	4.0	5.5	5.3	5.7	5.2	6.0	4.8	4.0	6.0	3.0	5.3	7.0	5.3	7.0	4.3	5.4	5.5
BAR LP 4920	7.2	5.5	3.8	6.5	4.0	4.8	4.8	7.0	5.3	5.3	5.3	4.2	4.7	5.7	2.7	6.2	7.0	5.4	6.4	5.8	6.3	5.5
PALMER GLS (GL-2)	7.0	5.4	4.0	6.8	8.0	4.3	6.0	5.3	5.0	4.7	7.0	5.0	4.0	5.7	3.0	4.9	6.7	4.6	7.2	5.0	6.1	5.5
HARRIER (SRX 4UP3)	7.2	5.7	4.8	7.1	6.3	4.1	5.4	5.3	5.3	4.8	6.0	4.3	4.0	5.7	3.0	5.3	6.8	5.1	7.0	5.2	5.7	5.5
CITATION FORE	6.8	5.7	4.3	6.6	6.3	4.7	5.6	7.3	4.3	5.1	5.7	4.0	4.3	6.0	2.7	5.2	6.5	5.2	6.1	4.5	6.5	5.5
BREA (04-BRE)	7.5	5.3	4.7	6.1	7.3	4.7	5.0	5.3	4.3	4.8	5.3	4.7	4.7	6.0	3.7	5.1	6.5	5.1	6.7	4.7	7.0	5.5
CUTTER II (PM 101)	7.7	5.5	3.7	6.8	6.7	4.9	5.7	6.3	4.3	4.6	4.7	5.0	4.3	6.7	3.3	5.2	6.0	5.2	6.8	4.8	6.0	5.5
VB99	7.3	5.2	3.7	5.7	6.7	4.6	5.8	5.0	5.3	4.8	4.7	4.3	4.7	7.0	3.3	5.3	7.0	5.5	7.7	4.2	6.3	5.5
PST-2AG4	7.3	5.5	3.3	6.5	6.7	4.9	5.4	4.7	3.7	5.3	6.7	4.8	4.0	6.0	3.0	5.1	6.3	5.1	7.1	4.3	6.5	5.5
GALATTI (DP 17-9502)	7.7	5.5	4.3	6.4	6.7	4.3	5.2	6.0	4.7	4.9	6.0	5.3	4.0	6.0	3.7	6.4	6.3	4.3	6.3	4.5	6.4	5.5
KOKOMO II (IS-PR 235)	7.5	5.9	4.2	6.8	7.3	4.2	6.1	5.3	3.7	4.8	6.3	4.3	4.3	6.7	2.7	4.8	6.5	4.6	7.6	4.8	5.8	5.5
DASHER 3 (PICK RB-1)	7.2	5.4	3.6	6.3	8.0	4.5	5.8	5.0	5.3	4.9	7.0	4.3	4.7	6.0	3.0	5.0	6.8	5.3	7.1	4.2	6.0	5.5
PM 102	7.7	6.0	3.2	6.4	4.7	4.8	6.2	5.0	3.0	4.6	4.7	4.4	5.0	7.0	3.0	5.6	6.3	4.9	7.2	4.8	6.3	5.5
PROTOTYPE (DCM)	7.7	5.5	4.7	6.0	7.3	4.3	5.7	5.7	5.3	4.8	5.7	4.3	4.3	6.3	3.0	5.2	6.3	5.0	7.0	3.8	6.3	5.5
BACCARAT (RAD-PR8)	7.5	5.3	4.7	5.8	7.0	4.5	5.7	6.0	3.0	6.0	5.7	4.0	4.0	6.0	2.7	5.3	6.5	5.3	6.3	4.5	6.0	5.5
STELLAR GL (IS-PR 236)	7.7	5.5	4.4	6.2	7.3	3.8	6.1	5.0	4.7	4.7	5.0	4.0	5.3	7.0	2.3	4.4	6.5	5.2	7.7	4.2	6.4	5.4
KEYSTONE 2 (IS-PR 312)	7.5	5.6	4.1	6.4	7.3	4.3	5.5	5.3	4.7	5.4	5.7	5.0	4.0	6.0	2.7	4.6	6.5	4.7	6.9	4.0	6.3	5.4
DP 17-9788	7.2	5.7	4.0	5.8	6.3	4.7	5.3	6.0	4.0	5.3	5.3	4.3	3.3	5.7	3.0	5.9	6.3	5.3	6.2	4.2	6.8	5.4
PHENOM (APR 1660)	7.2	5.6	4.9	6.1	6.7	4.7	4.5	6.3	5.7	5.3	6.3	4.4	4.0	6.0	2.7	5.4	6.5	4.8	7.1	5.0	5.8	5.4
RINGER II (04-BEN)	6.8	5.8	4.9	6.1	5.0	4.7	5.1	5.7	5.7	5.4	6.0	4.7	4.0	6.3	2.3	5.6	6.3	4.7	6.1	4.2	6.3	5.4
LINE DRIVE GLS (APR 1797)	7.5	5.7	4.0	6.0	7.0	4.8	5.5	6.3	3.3	5.3	5.3	5.3	3.7	6.0	2.3	5.1	6.7	5.1	6.2	5.0	5.6	5.4
NEXUS XR (SNR)	7.8	5.3	4.4	5.8	6.0	4.2	5.5	5.0	4.3	4.8	5.3	4.7	5.0	6.7	2.3	4.9	6.5	5.1	7.6	4.5	6.8	5.4
E-99	7.0	5.4	5.3	6.4	6.7	4.5	5.3	5.7	5.3	4.7	5.3	4.7	4.3	5.7	3.0	5.3	6.5	5.2	5.7	5.2	5.9	5.4
LS 2300 (APR 1670)	7.5	5.6	4.2	6.3	7.0	4.6	5.0	6.3	4.3	5.0	6.3	4.6	4.3	6.0	2.3	4.8	5.8	5.7	5.9	4.3	6.5	5.4
ASP6003 (TRS)	7.7	5.3	4.4	6.3	5.3	4.3	5.8	5.0	3.7	4.5	6.3	4.9	5.0	7.0	3.3	4.9	6.5	4.8	7.6	4.2	6.5	5.4
OVERDRIVE	7.2	5.1	3.7	5.9	7.3	4.7	5.3	6.0	4.3	4.9	7.0	4.7	4.0	6.0	3.0	5.4	6.5	5.3	6.6	4.7	6.3	5.4
TOP GUN II (JR-324)	7.3	5.6	4.3	5.8	7.7	4.8	5.3	6.0	4.3	5.2	4.3	5.0	4.3	6.3	2.7	4.9	6.2	5.1	7.0	4.0	5.9	5.4
TR47	7.7	5.6	3.8	5.9	7.0	4.6	5.7	4.7	4.7	5.0	5.0	4.7	4.3	6.7	3.3	5.1	6.8	4.7	7.6	4.2	5.8	5.4
FUSION	7.0	5.8	4.0	6.2	5.7	4.3	5.5	6.3	5.0	4.9	6.3	5.0	4.0	6.7	3.0	4.9	6.0	4.9	7.2	4.2	5.9	5.4
FIJI (GPR)	8.0	5.8	3.7	5.9	6.7	4.4	5.0	4.7	4.3	4.8	4.0	4.3	4.0	6.3	2.7	5.3	6.7	5.1	7.6	5.5	6.1	5.4
PRESIDIO (CNV)	7.5	5.1	4.3	5.8	6.0	4.7	5.8	4.3	4.7	4.8	5.7	4.2	5.0	6.3	2.7	5.3	6.7	4.8	7.3	4.3	6.5	5.4
MANHATTAN 5 GLR (PST-2AM)	7.2	5.3	4.2	5.8	6.7	4.9	5.8	6.0	4.7	4.3	6.0	5.1	4.3	6.0	3.3	5.0	6.0	5.2	6.1	4.7	5.9	5.4
LA QUINTA (JR-255)	7.5	5.4	4.3	6.1	6.3	4.6	5.5	5.3	5.0	4.2	5.3	4.3	4.3	7.0	3.7	4.9	6.3	5.1	7.3	4.5	6.2	5.4
FIREBOLT (PRG HS-01-09)	7.5	5.3	3.9	6.3	7.0	4.3	6.0	5.0	4.0	4.5	5.3	4.7	5.0	7.0	2.0	5.0	6.3	4.7	7.4	4.3	6.1	5.4
REGAL 5 (IS-PR 271)	7.5	6.1	3.8	6.2	6.0	4.5	5.4	4.7	3.7	4.5	6.0	4.0	5.3	7.0	2.7	5.0	6.3	5.3	7.3	3.7	5.8	5.4
PIANIST (DP 17-9505)	6.8	5.6	4.1	6.4	6.0	4.3	5.4	6.0	2.7	5.2	5.0	4.3	4.0	6.0	2.7	5.7	6.0	4.7	6.3	4.7	7.1	5.4
GRAY FOX (PST-2MNG)	6.5	5.4	4.1	6.3	6.3	4.9	4.4	6.0	3.7	5.6	6.7	4.8	4.0	6.3	3.3	5.1	6.7	4.9	5.9	5.3	6.1	5.4
ASP6001 (RTS)	7.5	5.5	3.2	5.6	5.7	4.8	5.7	4.7	4.7	4.8	5.3	4.7	4.7	7.0	2.3	5.0	6.3	4.9	7.6	4.0	6.3	5.3
INSPIRE	6.7	5.6	3.7	5.8	7.0	4.8	5.0	6.0	6.0	4.9	5.7	4.7	4.3	6.3	2.7	5.3	6.5	5.2	6.2	5.0	5.7	5.3
ACCENT II (JR-119)	7.5	4.9	3.8	5.8	6.7	4.2	5.8	5.7	6.3	4.8	5.0	4.7	4.0	6.0	3.0	5.1	6.3	5.7	6.4	3.7	5.8	5.3
GRAND SLAM 2 (PST-2GSM)	7.0	5.4	3.8	5.8	6.7	4.6	5.0	5.3	4.7	4.8	6.0	4.4	4.7	6.0	2.0	5.0	6.2	5.3	6.7	5.2	6.2	5.3
HALO (KN42)	7.3	5.3	3.4	5.7	4.7	4.3	6.0	5.0	3.7	5.2	4.7	4.0	4.7	6.3	2.3	5.4	6.7	4.6	8.0	3.7	6.7	5.3
EDGE II (AC2)	7.8	5.5	4.0	6.2	7.0	4.5	5.6	5.0	2.0	4.9	4.7	4.7	4.3	6.0	3.0	5.1	6.0	4.7	7.2	4.3	5.7	5.3
HAWKEYE 2 (SRX 4692)	6.7	5.3	4.7	6.3	7.0	3.9	6.1	5.3	3.3	4.3	6.7	4.0	4.0	6.0	2.7	5.1	6.5	5.3	6.3	5.5	5.8	5.3
PREMIER II	6.5	5.3	4.8	5.6	4.3	4.8	4.8	7.3	3.0	5.3	6.3	4.0	3.7	5.3	2.7	6.0	6.2	5.6	6.0	4.7	6.2	5.3
PANTHER	6.3	5.5	3.9	5.8	4.3	5.2	4.7	6.7	5.0	5.4	6.0	4.3	3.7	5.0	2.7	6.3	5.8	5.3	5.3	5.3	5.8	5.3

TABLE 15. (CONT'D)

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2005-09 DATA

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

NAME	IA1	IL1	IL2	IN1	KY1	MA1	MI1	MN1	ND1	NE1	NJ1	NY1	OK1	OR1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
ASP6002 (BPR)	7.5	5.3	3.6	5.9	6.0	4.5	5.6	5.3	3.7	4.4	5.0	4.8	5.0	7.0	2.3	4.9	6.5	4.8	7.6	4.5	6.3	5.3
PALMER III	7.0	5.6	3.7	5.8	7.7	4.3	5.3	5.7	4.0	5.5	5.3	3.7	3.7	6.0	3.0	5.3	6.2	5.2	5.9	4.3	6.3	5.3
WAYFARER (L44)	7.7	5.5	3.4	5.8	5.3	4.4	5.8	4.3	3.7	4.4	5.3	4.1	4.3	7.3	2.7	5.1	6.0	4.9	7.6	4.8	6.6	5.3
HEADSTART 2	7.7	5.2	3.2	6.3	7.0	3.8	5.8	4.7	4.7	4.3	4.3	5.0	4.7	6.3	2.7	5.0	6.5	4.6	6.6	5.5	6.7	5.3
BAR LP 4420	7.3	5.4	4.0	5.7	7.0	4.2	5.6	5.7	3.7	5.0	4.0	4.3	4.3	6.0	3.0	4.8	6.7	5.3	6.9	4.2	5.8	5.3
BARLENNIUM	6.7	5.7	4.3	5.9	4.0	5.3	4.4	6.0	2.7	4.8	4.0	4.6	4.0	5.7	2.7	5.8	5.8	5.7	5.4	5.2	6.3	5.3
PICK 02-R	7.7	4.9	3.7	5.8	3.7	4.4	5.8	4.3	5.7	5.1	3.3	4.3	4.3	7.3	3.0	4.8	6.7	4.5	7.7	4.7	6.0	5.2
PINNACLE	6.2	5.1	4.8	5.1	4.3	5.3	4.3	8.0	3.7	5.0	7.7	3.8	3.0	5.3	3.3	6.6	4.5	5.7	4.6	5.7	7.2	5.2
PLATEAU (PST-2LAN)	7.2	5.3	3.9	5.7	6.7	4.3	5.5	5.0	4.3	5.0	5.3	4.3	4.0	6.0	2.3	5.1	6.3	5.3	6.1	3.7	5.7	5.2
DELAWARE XL (PICK 01-2)	7.0	5.2	3.9	6.2	6.3	4.5	5.1	4.7	5.3	4.4	4.3	4.0	4.3	6.3	2.0	5.0	6.2	4.5	7.7	4.3	6.0	5.2
D04-LP05	7.0	5.0	4.0	6.0	7.0	4.4	5.7	5.7	2.7	5.1	4.7	3.7	4.3	6.0	3.0	4.6	6.3	4.7	7.0	5.0	5.4	5.2
PST-217	7.3	5.1	3.0	4.9	7.0	4.9	5.0	5.7	5.0	4.7	5.3	5.3	3.7	6.3	2.7	4.7	6.3	4.9	6.8	3.5	6.5	5.2
BAR LP 4317	6.8	5.5	3.7	5.7	6.3	4.6	4.8	6.0	5.7	4.5	4.7	5.1	4.0	5.3	2.3	4.4	6.5	4.8	6.0	4.5	6.0	5.2
PENTIUM	7.0	5.2	3.8	5.7	6.3	4.2	4.8	5.7	3.7	4.6	6.0	4.3	4.0	5.3	2.7	5.3	6.7	5.1	5.3	4.8	6.0	5.1
SRX 4682	6.7	5.5	3.8	5.2	6.7	4.6	4.8	6.7	4.0	3.8	5.3	4.3	4.0	6.0	2.7	4.8	6.5	5.2	6.6	4.7	6.0	5.1
CADDIESHACK II (JR-163)	6.7	5.0	3.0	5.7	7.0	4.5	5.5	5.7	6.3	4.1	3.0	4.4	4.0	6.3	2.3	5.0	6.5	5.2	6.6	3.7	6.0	5.1
BRIGHTSTAR SLT	7.0	4.9	3.1	5.6	3.3	4.7	5.5	5.3	5.0	4.8	5.3	4.7	4.0	6.3	2.3	5.1	6.2	5.0	6.0	3.0	6.3	5.1
MONTEREY 3 (JR-408)	7.5	4.8	3.3	5.3	7.0	4.0	5.8	4.7	4.7	4.3	4.0	4.8	4.0	6.0	2.3	5.0	6.5	4.9	6.9	3.7	5.8	5.1
AFFINITY	6.5	4.9	4.0	5.3	5.3	4.9	4.7	8.0	3.3	4.7	6.7	4.0	3.3	5.3	2.3	6.2	5.2	5.7	5.1	4.7	5.8	5.1
SUNSHINE 2	7.3	5.0	2.9	5.8	6.0	3.9	4.8	4.3	5.3	4.6	2.7	4.0	5.0	7.0	2.3	4.3	6.8	5.3	7.6	4.5	5.8	5.1
LPR 02203	6.5	5.1	3.2	5.3	2.7	5.3	4.8	7.0	2.7	5.2	6.0	4.3	4.0	4.7	3.3	5.7	5.5	5.2	5.2	3.5	6.6	5.1
PREMIER	6.0	5.2	4.2	5.8	5.0	4.9	4.5	6.7	2.7	4.6	6.0	4.0	3.0	5.0	3.3	6.6	4.7	5.1	4.7	5.0	6.1	5.0
PST-2BLK	7.8	5.0	3.2	4.8	8.0	3.7	5.2	5.3	4.3	4.7	6.3	4.8	4.3	6.3	2.3	4.4	6.3	4.8	6.4	3.0	5.9	5.0
GOALKEEPER II (JR-114)	7.7	5.4	2.7	5.7	5.7	4.2	5.3	5.0	5.3	4.0	3.3	4.8	4.0	6.7	2.7	4.4	6.5	4.5	6.9	3.0	6.3	5.0
PACESETTER II (PS-2)	6.7	5.7	3.9	5.7	3.3	4.3	5.4	5.0	3.0	4.3	3.7	4.7	4.0	6.3	2.0	4.6	6.7	4.5	6.7	4.0	5.9	5.0
GRAY STAR (PST-2LGL)	7.5	5.3	2.7	5.0	7.0	4.0	5.4	4.7	5.3	4.5	5.0	4.3	4.0	6.7	2.0	4.3	6.2	4.9	7.2	3.3	5.7	5.0
QUICKSILVER	7.7	4.8	2.3	4.9	4.0	4.0	5.8	4.0	4.7	4.5	3.7	4.7	3.3	6.3	2.3	4.3	6.3	4.3	7.0	2.8	5.9	4.8
LINN	5.2	3.3	1.8	5.0	1.7	3.9	3.8	6.5	2.7	3.7	5.7	3.6	3.0	4.3	2.0	4.3	2.0	5.2	4.1	3.7	6.5	4.0
LSD VALUE	0.9	1.2	1.6	1.1	2.3	1.3	1.6	1.1	2.6	1.8	1.5	1.2	0.8	1.0	0.9	1.1	1.0	1.5	1.1	1.4	1.6	0.4
C.V. (%)	7.5	14.6	25.0	11.2	22.3	17.4	18.0	12.9	35.4	23.4	16.2	16.7	11.7	9.6	20.8	12.7	10.3	18.5	10.7	18.8	20.6	16.6

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

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

TABLE 16. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IA1	MI1	MO1	NJ1	OK1	QE1	WA1	MEAN
TRANSFORMER (D04-1667)	6.8	6.8	7.0	7.0	9.0	6.5	6.8	6.8
ZOOM (LCK)	6.3	6.8	7.0	6.3	8.3	6.7	6.8	6.7
PARAGON GLR	5.8	7.2	7.0	6.8	8.0	6.7	6.8	6.7
FIREBOLT (PRG HS-01-09)	6.4	6.6	7.7	5.4	9.0	6.5	6.8	6.7
PALMER V (RNS)	6.1	6.4	7.3	7.3	8.7	6.5	6.8	6.7
ALLSTAR 3 (IS-PR 274)	6.4	6.8	7.0	6.7	8.3	6.5	6.7	6.6
BACCARAT (RAD-PR8)	5.9	6.9	7.0	6.3	9.0	6.5	6.6	6.6
EXACTA II GLSR (LTP-611-GLSR)	5.9	6.6	7.0	7.2	9.0	6.5	6.8	6.6
PALMER IV	5.9	6.8	7.0	6.7	8.3	6.5	6.8	6.6
PALMER GLS (GL-2)	5.5	6.8	7.7	6.7	9.0	6.7	6.8	6.6
STELLAR GL (IS-PR 236)	5.6	7.0	7.0	5.8	9.0	6.5	6.7	6.6
E-99	5.9	6.5	7.0	6.5	8.7	6.5	6.8	6.6
FIESTA 4 (PICK F4)	5.7	6.7	7.3	6.5	9.0	6.5	6.8	6.6
EDGE II (AC2)	5.9	6.7	7.0	5.8	9.0	6.7	6.8	6.5
REGAL 5 (IS-PR 271)	6.0	6.8	6.7	6.7	8.0	6.7	6.8	6.5
TOP GUN II (JR-324)	6.4	6.5	7.0	5.2	9.0	6.5	6.8	6.5
SUNSHINE 2	6.4	6.6	7.3	5.0	9.0	6.5	6.7	6.5
CHIVALRY (APR 1648)	6.5	6.4	7.3	5.7	8.7	6.5	6.8	6.5
PICK 02-R	5.6	6.7	7.3	6.3	9.0	6.7	6.7	6.5
ACCENT II (JR-119)	6.2	6.3	7.0	5.5	9.0	6.5	6.7	6.5
PANTHER GLS	5.9	6.3	7.3	6.3	9.0	6.7	6.8	6.5
BAR LP 4317	6.7	6.5	7.3	4.3	9.0	6.5	6.7	6.5
ASP6003 (TRS)	6.2	6.6	6.7	5.5	8.3	6.7	6.8	6.5
HARRIER (SRX 4UP3)	5.8	6.7	6.7	6.5	8.7	6.7	6.8	6.5
UNO (D04-11T)	6.1	6.2	7.3	7.2	9.0	6.5	6.8	6.5
PROTOTYPE (DCM)	6.1	6.5	7.3	6.0	8.3	6.7	6.7	6.5
LINE DRIVE GLS (APR 1797)	5.3	6.8	7.0	6.5	9.0	6.5	6.8	6.5
PACESETTER II (PS-2)	5.8	6.6	7.3	5.7	8.7	6.7	6.7	6.5
NOTABLE (AF)	6.1	6.6	7.0	6.0	8.3	6.5	6.8	6.5
ASP6006 (LPFG)	5.8	6.7	7.3	5.5	9.0	6.5	6.8	6.5
1G SQUARED (APR 1664)	5.7	6.6	7.0	6.7	8.7	6.5	6.8	6.5
HOMERUN (RG3P)	5.8	6.3	7.0	7.2	9.0	6.7	6.8	6.5
DEFENDER (D04-UP)	5.6	6.5	7.7	6.3	9.0	6.7	6.8	6.5
FOREVER (DP 17-9499)	6.1	6.6	6.3	5.7	9.0	6.7	6.8	6.5
PROTEGE GLR	5.5	6.3	7.7	6.7	8.3	7.2	6.8	6.5
AMAZING GS (IS-PR 276)	6.1	6.5	7.0	6.8	8.0	6.5	6.7	6.5
RINGER II (04-BEN)	5.8	6.7	7.0	5.7	9.0	6.5	6.8	6.5
CUTTER II (PM 101)	5.9	6.4	7.3	5.5	9.0	6.5	6.7	6.5
DERBY XTREME (IS-PR 268)	6.1	6.3	7.3	7.0	9.0	6.5	6.8	6.4
BUENA VISTA	5.9	6.5	7.3	5.7	9.0	6.5	6.8	6.4
DP 17-9788	6.7	6.3	7.3	5.0	9.0	6.7	6.7	6.4
ASP6004 (EXS54)	6.3	6.4	6.3	6.2	8.3	6.7	6.8	6.4
PIZZAZZ	5.6	6.8	7.3	5.3	9.0	6.5	6.8	6.4
ES45	5.6	6.6	7.3	5.0	8.7	6.5	6.8	6.4
PRIMARY (IS-PR 269)	5.7	6.4	7.3	6.8	9.0	6.5	6.7	6.4

TABLE 16. (CONT'D) LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IA1	MI1	MO1	NJ1	OK1	QE1	WA1	MEAN
BAR LP 4420	5.6	6.7	7.3	5.7	9.0	6.5	6.8	6.4
KEYSTONE 2 (IS-PR 312)	6.2	6.2	7.0	6.7	9.0	6.7	6.7	6.4
PRESIDIO (CNV)	5.8	6.4	7.7	5.3	9.0	6.5	6.8	6.4
APPLE GL (AAZ-B104)	5.3	6.7	7.7	6.0	9.0	6.5	6.8	6.4
VB99	5.7	6.6	7.0	5.2	8.7	6.5	6.8	6.4
BAR LP 4920	6.6	6.3	6.3	5.2	8.7	6.5	6.8	6.4
MACH I	5.9	6.3	7.0	5.8	8.3	6.5	6.8	6.4
REVENGE GLX (JR-348)	5.4	6.2	7.3	6.5	9.0	6.7	6.8	6.4
GRAND SLAM 2 (PST-2GSM)	5.7	6.6	7.0	5.7	8.7	6.5	6.8	6.4
FIJI (GPR)	5.5	6.5	7.0	5.5	9.0	6.7	6.7	6.4
ATTRIBUTE (IS-PR 270)	5.9	6.3	7.0	6.7	8.7	6.5	6.8	6.4
MANHATTAN 5 GLR (PST-2AM)	6.0	6.3	6.7	5.3	8.7	6.5	6.7	6.4
SR 4600 (SRX 4SP)	5.7	6.3	7.3	6.5	8.7	6.5	6.8	6.4
ASP6002 (BPR)	5.8	6.6	7.0	5.0	9.0	6.5	6.7	6.4
MONTEREY 3 (JR-408)	6.7	6.3	7.0	4.2	9.0	6.5	6.8	6.3
DASHER 3 (PICK RB-1)	6.0	6.2	7.3	6.7	8.0	6.5	6.8	6.3
PLEASURE SUPREME (PM 103)	5.5	6.2	7.3	6.0	9.0	6.7	6.8	6.3
PM 102	5.3	6.4	7.0	5.3	8.3	6.5	6.8	6.3
TR47	5.5	6.6	6.7	4.8	9.0	6.7	6.8	6.3
OVERDRIVE	5.8	6.4	7.0	5.7	8.7	6.5	6.8	6.3
REPELL GLS	5.5	6.3	7.3	6.0	8.7	6.5	6.8	6.3
ASP6001 (RTS)	6.2	6.0	7.0	5.2	9.0	6.5	6.7	6.3
GOALKEEPER II (JR-114)	6.6	5.8	7.0	5.0	9.0	6.5	6.8	6.3
FUSION	5.6	6.3	7.0	6.3	9.0	6.5	6.8	6.3
CABO II (IS-PR 233)	5.7	6.6	7.0	5.5	7.7	6.5	6.8	6.3
HALO (KN42)	5.4	6.5	7.0	5.0	9.0	6.5	6.8	6.3
MAJESTY II (VB77)	6.3	6.1	7.0	5.2	9.0	6.5	6.8	6.3
PALACE (IS-PR 273)	5.8	6.2	6.7	6.3	8.7	6.7	6.8	6.3
CALYPSO 3 (MS2)	5.4	6.2	7.0	5.8	8.7	6.5	6.8	6.3
SECRETARIAT II GLSR (LTP-101-GLSR)	6.1	6.0	7.0	6.3	9.0	6.7	6.6	6.3
BARLENNIUM	6.0	6.0	7.0	5.2	9.0	6.5	6.8	6.3
NEXUS XD (SP4)	5.7	6.2	7.3	5.2	9.0	6.5	6.8	6.3
MMW	5.7	6.0	6.7	6.7	9.0	6.5	6.8	6.3
CADDIESHACK II (JR-163)	6.5	6.2	7.3	4.8	9.0	6.7	6.8	6.3
DO4-LP05	5.5	6.3	7.0	5.2	9.0	6.5	6.8	6.3
LS 2300 (APR 1670)	5.8	5.9	7.3	5.5	9.0	6.5	6.6	6.3
PANTHER	6.7	5.9	6.7	5.0	9.0	6.7	6.8	6.3
HEADSTART 2	6.2	5.8	7.3	5.5	8.7	6.7	6.8	6.3
PENTIUM	5.8	6.2	7.3	5.2	8.7	6.5	6.7	6.3
BREA (04-BRE)	6.0	6.1	6.7	4.8	9.0	6.7	6.8	6.2
PST-2AG4	5.6	6.1	7.0	5.8	9.0	6.7	6.7	6.2
NEXUS XR (SNR)	5.5	6.5	7.3	4.5	9.0	6.5	6.7	6.2
KOKOMO II (IS-PR 235)	5.4	6.3	6.7	6.2	9.0	6.5	6.7	6.2
WIND DANCE 2 (PWDR)	5.9	5.9	7.0	5.5	9.0	6.5	6.7	6.2
PALMER III	6.2	6.0	6.7	5.2	9.0	6.5	6.8	6.2
QUICKSILVER	6.0	6.1	7.0	5.3	9.0	6.5	6.7	6.2

TABLE 16. (CONT'D) LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IA1	MI1	MO1	NJ1	OK1	QE1	WA1	MEAN
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.8	5.9	6.7	6.3	9.0	6.7	6.6	6.2
SOPRANO (DP1)	5.9	5.8	7.3	6.8	9.0	6.5	6.8	6.2
WAYFARER (L44)	5.3	6.4	7.0	5.3	8.3	6.5	6.7	6.2
PLATEAU (PST-2LAN)	5.5	6.3	7.0	4.8	9.0	6.5	6.7	6.2
GRAY STAR (PST-2LGL)	5.7	6.1	7.0	5.2	9.0	6.5	6.8	6.2
DELAWARE XL (PICK 01-2)	5.8	5.9	7.0	5.3	9.0	6.5	6.7	6.2
BRIGHTSTAR SLT	6.0	6.0	6.7	5.2	9.0	6.5	6.8	6.2
PST-217	5.8	6.1	7.0	4.8	9.0	6.5	6.8	6.2
SILVER DOLLAR	5.1	5.9	7.3	6.7	9.0	6.5	6.7	6.2
GRAY FOX (PST-2MNG)	5.7	5.9	6.3	5.8	8.7	6.5	6.7	6.2
PINNACLE II	6.0	5.8	7.7	5.3	9.0	6.5	6.8	6.2
SRX 4682	5.4	5.8	7.0	5.8	9.0	6.5	6.5	6.2
GALATTI (DP 17-9502)	5.7	6.0	6.0	5.8	9.0	6.5	6.8	6.1
ASP6005 (AJM)	5.8	5.8	7.0	5.8	8.3	6.5	6.8	6.1
CITATION FORE	5.9	5.8	7.3	5.3	9.0	6.5	6.7	6.1
HAWKEYE 2 (SRX 4692)	5.3	5.9	7.0	5.5	9.0	6.3	6.8	6.1
PST-2BLK	5.6	5.8	6.3	5.0	9.0	6.5	6.5	6.0
DART (APR 1663)	5.7	5.9	7.0	5.3	9.0	6.5	6.8	6.0
PREMIER II	6.0	5.7	7.3	4.7	8.7	6.5	6.7	6.0
LA QUINTA (JR-255)	5.3	5.9	7.0	5.0	9.0	6.5	6.8	6.0
INSPIRE	5.8	5.6	7.0	5.3	9.0	6.5	6.8	6.0
PIANIST (DP 17-9505)	5.5	5.4	7.0	5.7	9.0	6.5	6.8	6.0
PHENOM (APR 1660)	5.8	5.7	7.0	5.7	9.0	6.7	6.7	6.0
LPR 02203	6.5	5.6	6.3	3.7	9.0	6.3	6.4	6.0
PINNACLE	6.2	5.4	6.3	3.7	8.0	6.5	5.9	5.7
PREMIER	5.7	5.3	6.0	3.8	8.7	6.7	6.5	5.6
AFFINITY	5.7	5.3	6.0	4.2	8.3	6.5	6.5	5.6
LINN	3.8	3.8	4.3	1.0	7.0	6.2	5.1	4.2
LSD VALUE	1.2	1.4	0.8	1.3	0.7	0.4	0.3	0.7
C.V. (%)	14.1	13.9	7.0	14.6	5.2	3.5	2.9	10.9

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

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

TABLE 17.

WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 2/ 3/

NAME	MA1	NJ1	MEAN	NAME	MA1	NJ1	MEAN
KEYSTONE 2 (IS-PR 312)	6.0	8.0	7.0	ACCENT II (JR-119)	4.3	5.7	5.0
ALLSTAR 3 (IS-PR 274)	5.7	6.7	6.2	ASP6002 (BPR)	5.3	4.7	5.0
PALACE (IS-PR 273)	5.3	7.0	6.2	BACCARAT (RAD-PR8)	5.0	5.0	5.0
ZOOM (LCK)	5.3	7.0	6.2	BUENA VISTA	5.7	4.3	5.0
HOMERUN (RG3P)	5.3	6.7	6.0	ES45	5.0	5.0	5.0
LINE DRIVE GLS (APR 1797)	5.7	6.3	6.0	MACH I	5.3	4.7	5.0
MANHATTAN 5 GLR (PST-2AM)	5.3	6.7	6.0	PREMIER II	4.7	5.3	5.0
EXACTA II GLSR (LTP-611-GLSR)	6.0	5.7	5.8	STELLAR GL (IS-PR 236)	5.0	5.0	5.0
PALMER GLS (GL-2)	6.0	5.7	5.8	CHIVALRY (APR 1648)	5.0	4.7	4.8
DEFENDER (D04-UP)	6.3	5.3	5.8	REVENGE GLX (JR-348)	4.7	5.0	4.8
GRAND SLAM 2 (PST-2GSM)	5.3	6.3	5.8	WIND DANCE 2 (PWDR)	5.0	4.7	4.8
SR 4600 (SRX 4SP)	5.3	6.3	5.8	AFFINITY	4.3	5.3	4.8
KOKOMO II (IS-PR 235)	4.7	6.7	5.7	BAR LP 4420	5.3	4.3	4.8
PARAGON GLR	5.7	5.7	5.7	BAR LP 4920	4.3	5.3	4.8
PROTOTYPE (DCM)	5.7	5.7	5.7	E-99	4.3	5.3	4.8
INSPIRE	5.0	6.3	5.7	BREA (04-BRE)	4.7	4.7	4.7
MMW	6.3	5.0	5.7	GALATTI (DP 17-9502)	4.7	4.7	4.7
PRIMARY (IS-PR 269)	4.0	7.3	5.7	HAWKEYE 2 (SRX 4692)	3.7	5.7	4.7
SOPRANO (DP1)	7.0	4.3	5.7	MAJESTY II (VB77)	5.7	3.7	4.7
UNO (D04-11T)	5.0	6.3	5.7	PIZZAZZ	4.7	4.7	4.7
1G SQUARED (APR 1664)	4.3	6.7	5.5	PM 102	4.7	4.7	4.7
DART (APR 1663)	5.0	6.0	5.5	PST-2AG4	4.7	4.7	4.7
FUSION	5.3	5.7	5.5	RINGER II (04-BEN)	4.7	4.7	4.7
LS 2300 (APR 1670)	5.0	6.0	5.5	BAR LP 4317	4.3	5.0	4.7
NOTABLE (AF)	5.3	5.7	5.5	CALYPSO 3 (MS2)	4.0	5.3	4.7
OVERDRIVE	6.0	5.0	5.5	CHARISMATIC II GLSR (LTP-PG-GLSR)	5.3	4.0	4.7
REGAL 5 (IS-PR 271)	5.0	6.0	5.5	PENTIUM	4.3	5.0	4.7
ATTRIBUTE (IS-PR 270)	5.7	5.0	5.3	PHENOM (APR 1660)	4.3	5.0	4.7
DERBY XTREME (IS-PR 268)	5.0	5.7	5.3	PREMIER	4.0	5.3	4.7
PALMER V (RNS)	5.0	5.7	5.3	TOP GUN II (JR-324)	5.3	4.0	4.7
PLEASURE SUPREME (PM 103)	4.7	6.0	5.3	ASP6003 (TRS)	4.7	4.3	4.5
TRANSFORMER (D04-1667)	5.0	5.7	5.3	CABO II (IS-PR 233)	5.3	3.7	4.5
AMAZING GS (IS-PR 276)	4.3	6.3	5.3	D04-LP05	5.0	4.0	4.5
APPLE GL (AAZ-B104)	5.3	5.3	5.3	FIJI (GPR)	5.7	3.3	4.5
DELAWARE XL (PICK 01-2)	6.3	4.3	5.3	LA QUINTA (JR-255)	5.3	3.7	4.5
GRAY FOX (PST-2MNG)	5.3	5.3	5.3	PACESETTER II (PS-2)	4.0	5.0	4.5
PALMER IV	5.3	5.3	5.3	PANTHER	3.7	5.3	4.5
BARLENNIUM	5.7	4.7	5.2	PLATEAU (PST-2LAN)	4.3	4.7	4.5
FIESTA 4 (PICK F4)	3.7	6.7	5.2	PRESIDIO (CNV)	5.7	3.3	4.5
GRAY STAR (PST-2LGL)	4.7	5.7	5.2	PST-217	5.0	4.0	4.5
CITATION FORE	5.0	5.3	5.2	PANTHER GLS	4.7	4.0	4.3
CUTTER II (PM 101)	5.0	5.3	5.2	QUICKSILVER	4.0	4.7	4.3
DASHER 3 (PICK RB-1)	5.3	5.0	5.2	ASP6004 (EXS54)	4.3	4.3	4.3
HARRIER (SRX 4UP3)	5.0	5.3	5.2	ASP6006 (LPFG)	4.3	4.3	4.3
SECRETARIAT II GLSR (LTP-101-GLSR)	5.3	5.0	5.2	NEXUS XD (SP4)	5.0	3.7	4.3
				PALMER III	4.3	4.3	4.3

TABLE 17. WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 2/ 3/

NAME	MA1	NJ1	MEAN
PINNACLE II	4.3	4.3	4.3
REPELL GLS	5.0	3.7	4.3
SILVER DOLLAR	5.0	3.7	4.3
ASP6005 (AJM)	4.7	3.7	4.2
SRX 4682	3.3	5.0	4.2
HEADSTART 2	4.3	4.0	4.2
PICK 02-R	4.3	4.0	4.2
PROTEGE GLR	5.3	3.0	4.2
ASP6001 (RTS)	4.0	4.0	4.0
BRIGHTSTAR SLT	3.7	4.3	4.0
CADDIESHACK II (JR-163)	3.7	4.3	4.0
EDGE II (AC2)	4.0	4.0	4.0
NEXUS XR (SNR)	4.7	3.3	4.0
SUNSHINE 2	4.3	3.7	4.0
TR47	5.0	3.0	4.0
VB99	5.0	3.0	4.0
HALO (KN42)	4.7	3.0	3.8
DP 17-9788	4.0	3.7	3.8
FIREBOLT (PRG HS-01-09)	4.3	3.3	3.8
PIANIST (DP 17-9505)	4.3	3.3	3.8
PST-2BLK	3.7	4.0	3.8
FOREVER (DP 17-9499)	4.0	3.3	3.7
PINNACLE	3.3	4.0	3.7
WAYFARER (L44)	4.3	3.0	3.7
GOALKEEPER II (JR-114)	3.3	3.7	3.5
LPR 02203	3.7	3.3	3.5
MONTEREY 3 (JR-408)	4.7	2.3	3.5
LINN	2.7	1.3	2.0
LSD VALUE	1.5	2.6	2.1
C.V. (%)	19.7	33.8	26.8

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

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

3/ WEAR TOLERANCE RATED AT "MA1" IN 2005, AND AT "NJ1" IN 2008.

TABLE 18. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	MN1	ND1	NY1	OR1	RI1	WA1	MEAN
PALMER V (RNS)	7.0	6.0	7.0	6.3	6.0	5.7	6.3
FIREBOLT (PRG HS-01-09)	7.0	6.0	7.0	6.0	6.3	5.0	6.2
ALLSTAR 3 (IS-PR 274)	7.0	6.0	7.0	5.7	6.0	5.3	6.2
APPLE GL (AAZ-B104)	6.7	6.0	7.3	6.0	5.7	5.3	6.2
BACCARAT (RAD-PR8)	6.3	6.0	7.3	5.7	5.3	6.3	6.2
PANTHER GLS	6.0	6.0	7.7	5.7	6.3	5.3	6.2
PROTEGE GLR	6.0	6.0	7.3	6.7	5.3	5.7	6.2
BAR LP 4920	6.7	6.0	7.0	5.3	5.7	6.0	6.1
MACH I	7.0	6.0	6.7	5.0	5.7	6.3	6.1
PENTIUM	7.0	6.0	7.3	5.0	5.3	6.0	6.1
PREMIER	6.7	6.7	7.0	5.3	5.3	5.7	6.1
AFFINITY	7.0	6.7	7.3	5.0	4.0	6.3	6.1
ASP6003 (TRS)	5.7	6.0	7.0	5.0	7.0	5.7	6.1
BUENA VISTA	6.3	6.0	7.0	5.7	5.7	5.7	6.1
CUTTER II (PM 101)	6.3	6.0	6.7	5.7	5.7	6.0	6.1
EXACTA II GLSR (LTP-611-GLSR)	5.7	6.0	7.0	5.7	6.3	5.7	6.1
LINN	6.7	7.3	6.7	4.0	5.0	6.7	6.1
OVERDRIVE	5.7	6.0	7.7	5.7	5.7	5.7	6.1
PACESETTER II (PS-2)	6.3	6.0	7.0	4.7	6.7	5.7	6.1
PALMER GLS (GL-2)	6.7	6.3	6.7	5.0	6.0	5.7	6.1
UNO (D04-11T)	6.7	6.0	7.3	5.7	5.3	5.3	6.1
ZOOM (LCK)	6.7	6.0	7.7	5.0	5.3	5.7	6.1
PICK 02-R	7.7	6.0	7.0	5.3	5.3	5.0	6.1
REGAL 5 (IS-PR 271)	5.3	6.0	7.3	6.3	6.0	5.3	6.1
DERBY XTREME (IS-PR 268)	5.7	6.0	7.0	5.7	5.3	6.3	6.0
KEYSTONE 2 (IS-PR 312)	6.3	6.0	6.7	5.3	5.3	6.3	6.0
MONTEREY 3 (JR-408)	6.7	6.0	7.0	4.3	6.3	5.7	6.0
SOPRANO (DP1)	7.0	6.0	7.0	5.0	5.3	5.7	6.0
SR 4600 (SRX 4SP)	6.0	6.3	7.3	5.0	5.7	5.7	6.0
VB99	6.0	6.0	7.3	4.3	6.3	6.0	6.0
D04-LP05	5.0	6.3	7.3	5.3	6.3	5.7	6.0
CALYPSO 3 (MS2)	5.7	6.0	7.3	5.0	5.7	6.0	5.9
ATTRIBUTE (IS-PR 270)	5.3	6.0	7.0	5.3	6.3	5.7	5.9
BRIGHTSTAR SLT	6.7	6.0	7.3	4.7	5.3	5.7	5.9
DASHER 3 (PICK RB-1)	7.3	6.0	6.7	5.7	4.3	5.7	5.9
PLATEAU (PST-2LAN)	5.3	6.7	7.0	5.3	5.3	6.0	5.9
PRIMARY (IS-PR 269)	6.3	6.0	6.7	5.3	5.7	5.7	5.9
SUNSHINE 2	6.3	6.0	6.7	5.3	5.7	5.7	5.9
HALO (KN42)	6.0	6.0	8.0	4.0	5.7	5.7	5.9
INSPIRE	6.3	6.0	7.0	4.7	5.0	6.3	5.9
PALMER IV	5.3	6.0	7.7	5.3	5.7	5.3	5.9
CITATION FORE	6.3	6.0	7.0	5.3	5.3	5.3	5.9
DART (APR 1663)	6.3	6.3	6.7	4.7	5.3	6.0	5.9
DELAWARE XL (PICK 01-2)	6.0	6.0	7.3	4.0	5.3	6.7	5.9
LPR 02203	6.3	6.3	7.0	4.0	5.7	6.0	5.9

TABLE 18. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	MN1	ND1	NY1	OR1	RI1	WA1	MEAN
PANTHER	6.3	6.3	7.0	4.7	4.3	6.7	5.9
PREMIER II	6.3	6.0	7.7	4.3	5.0	6.0	5.9
REVENGE GLX (JR-348)	6.3	6.0	6.7	5.3	5.3	5.7	5.9
1G SQUARED (APR 1664)	5.3	6.3	7.0	4.0	5.7	6.7	5.8
ASP6002 (BPR)	6.0	6.0	6.7	4.0	6.7	5.7	5.8
FUSION	5.7	6.0	7.3	5.3	6.3	4.3	5.8
MANHATTAN 5 GLR (PST-2AM)	6.0	6.0	7.0	4.7	6.0	5.3	5.8
NOTABLE (AF)	7.0	6.0	7.0	4.7	5.0	5.3	5.8
PINNACLE	5.3	6.3	7.3	5.3	5.7	5.0	5.8
PIZZAZZ	6.0	6.0	7.0	5.3	4.7	6.0	5.8
PLEASURE SUPREME (PM 103)	5.3	6.0	6.7	5.0	6.7	5.3	5.8
REPELL GLS	6.3	6.0	7.0	5.3	4.3	6.0	5.8
WIND DANCE 2 (PWDR)	5.7	6.0	7.7	4.3	5.7	5.7	5.8
BARLENNIUM	5.7	6.0	6.0	5.0	6.0	6.0	5.8
GOALKEEPER II (JR-114)	6.0	6.0	8.0	4.0	5.7	5.0	5.8
GRAND SLAM 2 (PST-2GSM)	6.7	6.0	6.7	4.0	6.0	5.3	5.8
HOMERUN (RG3P)	5.7	6.0	6.7	5.7	5.3	5.3	5.8
ACCENT II (JR-119)	6.0	6.0	7.0	5.0	5.3	5.3	5.8
AMAZING GS (IS-PR 276)	6.3	6.0	7.3	5.0	5.0	5.0	5.8
HARRIER (SRX 4UP3)	6.0	6.3	7.3	4.3	5.0	5.7	5.8
PHENOM (APR 1660)	6.0	6.0	7.0	4.3	4.7	6.7	5.8
PM 102	5.3	6.0	7.3	5.0	5.7	5.3	5.8
ASP6005 (AJM)	5.0	6.0	6.7	4.7	6.3	5.7	5.7
LS 2300 (APR 1670)	6.7	6.0	7.0	5.3	4.7	4.7	5.7
PARAGON GLR	6.7	6.0	6.7	6.0	3.3	5.7	5.7
SILVER DOLLAR	5.7	6.0	7.0	4.7	5.3	5.7	5.7
WAYFARER (L44)	5.0	6.0	7.3	4.7	6.0	5.3	5.7
BREA (04-BRE)	5.0	6.0	6.7	5.3	6.3	5.0	5.7
CABO II (IS-PR 233)	5.7	6.0	7.3	5.0	5.3	5.0	5.7
E-99	4.7	6.3	7.3	4.0	6.3	5.7	5.7
HEADSTART 2	6.0	6.0	6.0	5.3	5.3	5.7	5.7
MAJESTY II (VB77)	5.3	6.0	7.3	4.7	5.0	6.0	5.7
MMW	6.3	6.0	6.3	5.0	5.0	5.7	5.7
BAR LP 4420	4.3	6.0	7.0	5.3	5.7	5.7	5.7
DEFENDER (D04-UP)	4.3	6.0	7.0	4.7	6.0	6.0	5.7
NEXUS XD (SP4)	5.0	6.0	7.7	4.0	6.0	5.3	5.7
NEXUS XR (SNR)	6.0	6.0	7.3	4.3	5.0	5.3	5.7
SRX 4682	6.0	6.0	7.7	3.7	5.0	5.7	5.7
STELLAR GL (IS-PR 236)	5.7	6.0	7.0	4.3	5.7	5.3	5.7
TOP GUN II (JR-324)	5.7	6.0	7.0	4.3	5.3	5.7	5.7
PINNACLE II	5.7	6.0	7.0	3.7	5.7	5.7	5.6
PST-217	5.7	6.0	7.0	4.0	5.7	5.3	5.6
CHIVALRY (APR 1648)	6.3	6.0	6.7	5.3	4.3	5.0	5.6
GRAY FOX (PST-2MNG)	6.0	4.7	7.3	4.3	5.7	5.7	5.6
PRESIDIO (CNV)	6.0	6.0	7.0	4.3	4.7	5.7	5.6
ASP6006 (LPFG)	4.3	6.3	7.0	4.7	5.7	5.3	5.6

TABLE 18. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	MN1	ND1	NY1	OR1	RI1	WA1	MEAN
PALACE (IS-PR 273)	5.7	6.0	5.3	4.7	5.7	6.0	5.6
ASP6004 (EXS54)	5.3	6.0	6.7	4.3	5.0	6.0	5.6
CADDIESHACK II (JR-163)	5.7	6.0	7.3	4.0	5.3	5.0	5.6
ES45	4.3	6.0	7.3	4.3	5.3	6.0	5.6
FIESTA 4 (PICK F4)	5.3	6.0	7.0	5.0	4.3	5.7	5.6
TRANSFORMER (D04-1667)	6.0	6.3	5.7	5.3	5.0	5.0	5.6
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0	6.0	7.3	4.0	5.3	5.3	5.5
FIJI (GPR)	5.3	6.0	7.0	4.3	4.7	5.7	5.5
KOKOMO II (IS-PR 235)	6.0	6.0	5.7	6.0	4.0	5.3	5.5
LINE DRIVE GLS (APR 1797)	5.0	6.0	6.3	6.3	4.3	5.0	5.5
PROTOTYPE (DCM)	6.0	6.0	6.7	5.0	3.7	5.7	5.5
QUICKSILVER	5.0	6.0	7.0	4.3	5.0	5.7	5.5
RINGER II (O4-BEN)	4.7	6.0	7.0	4.7	5.7	4.7	5.4
TR47	4.7	5.7	7.3	3.7	5.7	5.7	5.4
DP 17-9788	5.3	6.0	7.0	4.0	5.0	5.3	5.4
SECRETARIAT II GLSR (LTP-101-GLSR)	5.0	6.0	7.0	4.3	5.0	5.3	5.4
GRAY STAR (PST-2LGL)	4.7	6.0	7.3	4.3	3.7	6.3	5.4
LA QUINTA (JR-255)	5.7	6.0	6.7	3.7	6.0	4.3	5.4
GALATTI (DP 17-9502)	4.3	6.0	7.3	4.7	5.0	5.0	5.4
PST-2BLK	5.0	6.0	6.7	4.3	5.3	5.0	5.4
ASP6001 (RTS)	5.0	6.0	7.0	4.0	4.7	5.3	5.3
PALMER III	5.0	6.0	6.7	4.3	5.7	4.3	5.3
PIANIST (DP 17-9505)	5.0	6.0	7.3	4.3	5.0	4.3	5.3
BAR LP 4317	4.3	6.3	6.3	4.0	5.3	5.3	5.3
FOREVER (DP 17-9499)	4.7	6.0	7.3	4.0	4.0	5.7	5.3
HAWKEYE 2 (SRX 4692)	4.3	6.0	6.7	4.0	5.3	5.3	5.3
PST-2AG4	5.0	4.7	7.0	3.3	6.7	5.0	5.3
EDGE II (AC2)	4.3	6.0	6.0	5.0	5.0	5.0	5.2
LSD VALUE	1.5	0.6	1.1	1.3	1.3	1.2	0.5
C.V. (%)	16.2	6.6	10.0	16.6	15.1	13.4	13.0

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

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

TABLE 19. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	MI1	ND1	NE1	QE1	MEAN
1G SQUARED (APR 1664)	6.6	6.0	8.4	6.3	7.4
PROTOTYPE (DCM)	6.7	4.7	8.5	6.7	7.3
PALMER V (RNS)	6.7	4.7	8.3	7.0	7.3
NOTABLE (AF)	6.7	4.3	8.5	7.0	7.3
PLEASURE SUPREME (PM 103)	6.3	4.3	8.7	7.0	7.3
DASHER 3 (PICK RB-1)	6.8	4.3	8.3	7.3	7.3
MACH I	6.4	5.0	8.5	7.0	7.3
PALMER IV	6.3	5.0	8.3	7.0	7.2
PIZZAZZ	6.5	5.0	8.3	6.7	7.2
PRIMARY (IS-PR 269)	6.4	5.0	8.2	7.0	7.2
DEFENDER (D04-UP)	6.8	3.3	8.4	6.7	7.2
ATTRIBUTE (IS-PR 270)	6.1	4.7	8.4	7.0	7.1
DERBY XTREME (IS-PR 268)	6.3	3.0	8.7	6.7	7.1
HOMERUN (RG3P)	6.1	5.0	8.4	7.0	7.1
SILVER DOLLAR	6.1	4.0	8.5	6.7	7.1
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	4.7	8.4	7.0	7.1
KEYSTONE 2 (IS-PR 312)	6.4	4.7	8.2	6.7	7.1
PALMER GLS (GL-2)	6.3	4.3	8.3	7.0	7.1
PICK 02-R	6.0	5.0	8.3	7.0	7.1
PARAGON GLR	6.2	4.7	8.3	7.0	7.0
UNO (D04-11T)	6.5	4.0	8.2	7.0	7.0
ZOOM (LCK)	6.2	3.7	8.4	7.3	7.0
MMW	5.8	4.0	8.5	7.3	7.0
BACCARAT (RAD-PR8)	6.1	4.0	8.4	7.0	7.0
PRESIDIO (CNV)	5.6	4.3	8.7	7.0	7.0
RINGER II (04-BEN)	6.2	4.3	8.3	6.7	7.0
AMAZING GS (IS-PR 276)	6.5	4.7	7.9	6.7	7.0
HARRIER (SRX 4UP3)	6.1	5.3	8.1	7.0	7.0
PINNACLE II	5.7	3.7	8.7	7.3	7.0
SR 4600 (SRX 4SP)	6.3	4.0	8.2	7.3	7.0
APPLE GL (AAZ-B104)	6.3	4.7	8.1	7.0	7.0
BUENA VISTA	6.0	4.7	8.2	7.3	7.0
PROTEGE GLR	6.4	5.3	7.9	6.3	7.0
TOP GUN II (JR-324)	6.0	4.0	8.4	6.3	7.0
CALYPSO 3 (MS2)	5.9	4.3	8.2	7.3	7.0
DELAWARE XL (PICK 01-2)	5.7	4.3	8.5	6.3	7.0
STELLAR GL (IS-PR 236)	6.3	5.0	7.9	6.7	7.0
PM 102	5.9	4.0	8.3	6.3	6.9
TR47	5.8	4.3	8.3	7.0	6.9
CUTTER II (PM 101)	6.0	4.0	8.3	6.7	6.9
FOREVER (DP 17-9499)	5.7	3.3	8.7	6.7	6.9
REVENGE GLX (JR-348)	5.6	5.3	8.4	6.3	6.9
SECRETARIAT II GLSR (LTP-101-GLSR)	5.9	4.7	8.3	6.7	6.9
EXACTA II GLSR (LTP-611-GLSR)	6.2	2.7	8.4	6.7	6.9
KOKOMO II (IS-PR 235)	6.3	3.3	8.1	7.0	6.9

TABLE 19. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

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

NAME	MI1	ND1	NE1	QE1	MEAN
MANHATTAN 5 GLR (PST-2AM)	6.1	3.7	8.1	7.0	6.9
PLATEAU (PST-2LAN)	6.0	4.7	8.1	7.0	6.9
ASP6001 (RTS)	5.7	4.0	8.4	7.0	6.9
ALLSTAR 3 (IS-PR 274)	6.1	3.0	8.3	6.7	6.9
GRAY FOX (PST-2MNG)	5.8	4.0	8.4	6.7	6.9
GRAY STAR (PST-2LGL)	6.3	4.3	7.9	7.0	6.9
BAR LP 4420	5.8	4.3	8.3	6.7	6.9
FIESTA 4 (PICK F4)	5.6	4.7	8.3	6.7	6.9
PALMER III	5.6	3.7	8.5	6.3	6.9
EDGE II (AC2)	6.3	2.0	8.3	7.0	6.9
PANTHER GLS	5.8	4.3	8.1	7.0	6.9
GALATTI (DP 17-9502)	5.9	4.7	8.0	6.7	6.9
DART (APR 1663)	5.7	4.3	8.5	6.0	6.8
FIJI (GPR)	5.8	4.7	8.1	6.3	6.8
OVERDRIVE	5.8	4.0	8.3	7.0	6.8
SOPRANO (DP1)	5.8	4.3	8.2	6.7	6.8
TRANSFORMER (D04-1667)	5.6	4.7	8.3	6.7	6.8
CITATION FORE	5.3	4.3	8.5	6.7	6.8
E-99	5.6	4.0	8.3	7.0	6.8
MAJESTY II (VB77)	5.0	5.0	8.6	6.7	6.8
WIND DANCE 2 (PWDR)	5.5	4.7	8.3	7.0	6.8
ASP6006 (LPFG)	5.9	5.0	7.9	6.7	6.8
REPELL GLS	5.7	4.0	8.3	6.7	6.8
ACCENT II (JR-119)	5.3	4.7	8.4	7.0	6.8
ASP6003 (TRS)	6.0	3.0	8.1	6.7	6.8
BAR LP 4317	5.7	4.7	8.1	6.7	6.8
BRIGHTSTAR SLT	5.6	4.3	8.1	7.0	6.8
VB99	5.9	3.7	8.1	7.0	6.8
LINE DRIVE GLS (APR 1797)	5.7	3.3	8.3	6.3	6.8
HEADSTART 2	5.9	4.3	8.0	6.7	6.8
PIANIST (DP 17-9505)	5.4	3.0	8.6	6.3	6.8
ASP6004 (EXS54)	5.8	3.3	8.1	7.0	6.7
FUSION	5.9	4.3	7.8	7.0	6.7
ES45	5.4	4.7	8.1	6.3	6.7
ASP6005 (AJM)	5.6	3.0	8.3	7.0	6.7
MONTEREY 3 (JR-408)	5.7	4.0	8.0	6.7	6.7
PREMIER II	5.5	3.3	8.3	6.7	6.7
PST-217	5.8	4.7	7.9	6.3	6.7
CABO II (IS-PR 233)	5.9	2.3	8.2	6.7	6.7
CHIVALRY (APR 1648)	5.7	3.3	8.2	7.0	6.7
PST-2AG4	5.3	3.3	8.3	7.0	6.7
GOALKEEPER II (JR-114)	5.7	3.7	8.1	7.0	6.7
LS 2300 (APR 1670)	5.6	3.3	8.2	6.3	6.7
GRAND SLAM 2 (PST-2GSM)	5.2	4.3	8.2	7.0	6.7
PHENOM (APR 1660)	5.3	4.3	8.3	6.7	6.7
INSPIRE	5.1	4.7	8.3	6.7	6.6

TABLE 19. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

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

NAME	MI1	ND1	NE1	QE1	MEAN
NEXUS XD (SP4)	5.1	5.0	8.1	7.0	6.6
FIREBOLT (PRG HS-01-09)	5.7	3.0	8.2	6.3	6.6
DP 17-9788	5.3	2.7	8.5	7.0	6.6
PST-2BLK	5.5	3.7	8.1	6.3	6.6
REGAL 5 (IS-PR 271)	6.2	1.7	7.9	6.7	6.6
PACESETTER II (PS-2)	5.5	2.7	8.3	6.0	6.6
SUNSHINE 2	4.8	5.0	8.1	7.3	6.6
CADDIESHACK II (JR-163)	5.6	4.3	7.7	6.7	6.6
NEXUS XR (SNR)	5.1	3.3	8.2	7.3	6.6
ASP6002 (BPR)	5.7	3.3	7.9	6.3	6.5
BAR LP 4920	5.4	3.0	8.2	6.3	6.5
D04-LP05	5.4	3.7	7.8	6.7	6.5
PANTHER	4.8	3.3	8.3	6.7	6.5
HALO (KN42)	5.4	3.3	7.7	7.0	6.4
BARLENNIUM	4.9	3.7	8.0	6.7	6.4
WAYFARER (L44)	5.3	5.0	7.5	6.7	6.4
PENTIUM	5.2	3.7	7.9	6.3	6.4
QUICKSILVER	4.8	3.7	8.1	6.7	6.4
LA QUINTA (JR-255)	4.8	4.3	7.9	7.0	6.4
HAWKEYE 2 (SRX 4692)	4.9	3.3	8.0	6.0	6.4
AFFINITY	4.6	4.3	8.0	6.7	6.4
PALACE (IS-PR 273)	5.0	2.7	8.0	6.3	6.3
LPR 02203	4.3	1.7	8.5	7.0	6.3
BREA (04-BRE)	5.2	3.0	7.7	7.0	6.3
SRX 4682	4.6	3.7	7.9	6.3	6.2
PINNACLE	4.3	4.0	7.5	6.0	6.0
PREMIER	4.3	3.0	7.6	6.7	5.9
LINN	3.2	1.0	5.9	5.3	4.4
LSD VALUE	1.6	1.7	1.1	0.8	0.9
C.V. (%)	18.2	26.7	8.1	7.6	12.5

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 20. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IN1	MI1	ND1	NE1	OK1	QE1	MEAN
HOMERUN (RG3P)	8.0	7.1	7.0	8.7	9.0	6.8	8.0
SOPRANO (DP1)	8.7	6.7	5.7	8.7	9.0	6.5	8.0
PROTOTYPE (DCM)	8.0	6.8	5.0	8.9	9.0	6.7	8.0
GRAY FOX (PST-2MNG)	8.0	6.7	5.3	8.8	8.7	6.8	8.0
MMW	7.0	6.8	6.0	8.9	8.3	7.0	8.0
1G SQUARED (APR 1664)	7.3	6.9	6.0	8.8	8.7	6.7	7.9
PIZZAZZ	8.3	6.9	6.0	8.6	8.3	7.0	7.9
CUTTER II (PM 101)	8.0	6.6	6.3	8.7	9.0	6.7	7.9
REVENGE GLX (JR-348)	7.7	6.4	6.3	8.8	8.7	6.7	7.9
DASHER 3 (PICK RB-1)	8.3	6.6	5.7	8.7	9.0	6.5	7.9
KOKOMO II (IS-PR 235)	8.0	6.8	5.3	8.5	9.0	6.8	7.9
TR47	7.7	6.4	6.0	8.7	8.7	6.7	7.9
PALMER GLS (GL-2)	7.7	6.7	6.0	8.7	9.0	6.8	7.9
PANTHER GLS	8.0	6.6	5.3	8.7	9.0	6.5	7.9
ZOOM (LCK)	8.3	6.6	5.3	8.5	9.0	6.7	7.9
PRESIDIO (CNV)	7.7	6.3	5.7	8.8	8.7	6.8	7.9
UNO (D04-11T)	8.0	6.9	6.0	8.5	8.3	6.8	7.9
NOTABLE (AF)	8.0	6.7	6.3	8.5	9.0	6.7	7.9
PLEASURE SUPREME (PM 103)	7.7	6.7	6.0	8.7	8.3	6.7	7.9
OVERDRIVE	8.0	6.4	5.3	8.7	9.0	6.7	7.9
PARAGON GLR	7.7	7.0	5.7	8.5	8.7	6.8	7.9
BAR LP 4317	7.7	6.2	5.7	8.6	9.0	7.2	7.9
KEYSTONE 2 (IS-PR 312)	7.7	6.9	6.0	8.4	9.0	6.8	7.9
DART (APR 1663)	7.3	6.8	5.3	8.7	9.0	6.8	7.8
PRIMARY (IS-PR 269)	7.7	6.9	5.7	8.5	9.0	6.8	7.8
EXACTA II GLSR (LTP-611-GLSR)	7.3	6.4	5.7	8.7	9.0	6.8	7.8
TRANSFORMER (D04-1667)	7.7	6.4	6.3	8.5	9.0	6.7	7.8
CHIVALRY (APR 1648)	8.3	6.0	5.3	8.6	8.7	6.7	7.8
FIESTA 4 (PICK F4)	7.7	6.4	6.7	8.4	9.0	7.0	7.8
ATTRIBUTE (IS-PR 270)	7.7	6.6	6.0	8.5	8.7	6.7	7.8
DERBY XTREME (IS-PR 268)	8.0	6.8	4.7	8.5	8.7	6.8	7.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	6.7	6.0	8.5	8.7	6.8	7.8
INSPIRE	7.7	6.2	5.7	8.7	9.0	6.7	7.8
E-99	7.7	6.8	6.0	8.5	8.3	6.7	7.8
ASP6004 (EXS54)	8.3	6.2	5.7	8.4	9.0	6.8	7.8
DEFENDER (D04-UP)	7.3	6.6	5.3	8.6	9.0	6.8	7.8
PALMER IV	7.3	6.3	6.7	8.5	9.0	6.7	7.8
SR 4600 (SRX 4SP)	8.0	6.8	6.3	8.5	8.7	6.8	7.8
STELLAR GL (IS-PR 236)	8.0	6.7	5.7	8.3	9.0	6.8	7.8
GRAY STAR (PST-2LGL)	7.3	6.9	5.3	8.3	8.7	7.2	7.8
REPELL GLS	8.0	6.2	5.7	8.5	8.7	6.7	7.8
CITATION FORE	7.3	6.2	6.3	8.7	9.0	6.7	7.8
APPLE GL (AAZ-B104)	7.3	7.0	5.3	8.4	9.0	6.8	7.8
BAR LP 4920	8.0	6.6	5.7	8.4	8.3	6.7	7.8
GRAND SLAM 2 (PST-2GSM)	7.7	6.6	5.7	8.4	9.0	6.5	7.8

TABLE 20. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

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

NAME	IN1	MI1	ND1	NE1	OK1	QE1	MEAN
PST-2BLK	7.7	6.3	6.3	8.3	9.0	6.7	7.8
REGAL 5 (IS-PR 271)	8.0	6.9	4.3	8.3	9.0	6.8	7.8
ACCENT II (JR-119)	8.0	6.3	6.0	8.5	9.0	6.5	7.8
MACH I	6.7	6.3	6.3	8.7	9.0	7.0	7.8
PICK 02-R	8.0	6.4	6.0	8.5	8.7	6.3	7.8
MAJESTY II (VB77)	8.0	6.2	6.0	8.5	8.7	6.7	7.8
LINE DRIVE GLS (APR 1797)	7.3	6.8	5.3	8.3	9.0	6.8	7.8
PHENOM (APR 1660)	8.0	6.4	5.7	8.4	8.7	7.0	7.8
ASP6005 (AJM)	7.7	6.1	6.7	8.5	9.0	6.3	7.8
CABO II (IS-PR 233)	8.0	6.9	5.0	8.1	8.7	6.8	7.8
DELAWARE XL (PICK 01-2)	7.7	6.4	6.0	8.5	8.7	6.5	7.8
VB99	7.3	6.7	6.0	8.3	9.0	6.7	7.8
MANHATTAN 5 GLR (PST-2AM)	7.3	6.8	5.3	8.5	8.3	6.7	7.7
WIND DANCE 2 (PWDR)	7.7	6.3	5.7	8.5	8.0	6.8	7.7
PST-217	7.3	6.7	5.7	8.4	8.3	6.8	7.7
AMAZING GS (IS-PR 276)	8.0	6.8	5.3	8.2	9.0	6.7	7.7
ASP6006 (LPFG)	7.7	6.3	6.7	8.3	9.0	6.8	7.7
CADDIESHACK II (JR-163)	7.7	6.9	5.7	8.3	8.3	6.8	7.7
PALMER V (RNS)	7.0	6.6	5.7	8.5	8.7	6.7	7.7
MONTEREY 3 (JR-408)	7.7	6.3	6.0	8.5	8.3	6.7	7.7
LS 2300 (APR 1670)	8.0	6.1	5.7	8.3	8.7	6.8	7.7
SUNSHINE 2	7.7	6.3	6.3	8.3	8.7	6.7	7.7
RINGER II (04-BEN)	8.0	6.6	5.7	8.3	8.3	6.5	7.7
PINNACLE II	7.7	6.1	6.0	8.4	9.0	6.7	7.7
PROTEGE GLR	7.3	6.6	6.3	8.4	8.7	6.7	7.7
ASP6001 (RTS)	7.3	6.3	5.7	8.4	9.0	6.7	7.7
PANTHER	7.3	6.7	4.7	8.5	9.0	6.7	7.7
SILVER DOLLAR	8.0	6.1	5.3	8.5	8.0	6.8	7.7
PACESETTER II (PS-2)	7.0	6.8	4.3	8.5	9.0	6.8	7.7
SECRETARIAT II GLSR (LTP-101-GLSR)	7.7	6.8	6.0	8.3	8.0	6.8	7.7
PREMIER II	7.7	6.3	4.7	8.5	9.0	6.3	7.7
FIJI (GPR)	7.7	6.3	5.7	8.5	8.3	6.5	7.7
WAYFARER (L44)	7.0	6.7	5.3	8.1	9.0	6.7	7.7
ALLSTAR 3 (IS-PR 274)	7.7	6.2	4.7	8.5	9.0	7.0	7.7
HEADSTART 2	7.0	6.2	6.0	8.4	8.7	6.7	7.7
NEXUS XR (SNR)	7.3	6.1	5.0	8.5	8.7	6.7	7.7
PENTIUM	7.3	6.2	5.0	8.5	8.3	6.7	7.7
PALACE (IS-PR 273)	8.0	6.4	4.7	8.2	9.0	6.7	7.7
BRIGHTSTAR SLT	7.3	7.0	6.3	8.1	8.3	6.5	7.7
DP 17-9788	6.7	6.7	3.7	8.5	7.7	7.0	7.7
EDGE II (AC2)	8.0	6.4	3.0	8.3	8.7	6.7	7.7
BACCARAT (RAD-PR8)	7.7	6.4	5.7	8.3	8.7	6.5	7.7
DO4-LPO5	7.7	6.6	5.3	8.3	8.0	6.8	7.7
BUENA VISTA	7.0	6.7	5.3	8.4	8.3	7.0	7.7
TOP GUN II (JR-324)	8.0	6.6	4.7	8.3	9.0	6.5	7.7
BAR LP 4420	8.0	6.6	4.7	8.1	9.0	6.7	7.6

TABLE 20. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

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

NAME	IN1	MI1	ND1	NE1	OK1	QE1	MEAN
PALMER III	7.3	6.2	4.7	8.6	8.0	6.5	7.6
GOALKEEPER II (JR-114)	7.0	6.6	6.3	8.3	8.3	6.8	7.6
NEXUS XD (SP4)	7.3	6.1	6.3	8.1	8.3	7.0	7.6
HAWKEYE 2 (SRX 4692)	7.3	5.9	5.3	8.3	9.0	6.5	7.6
FOREVER (DP 17-9499)	6.7	5.9	4.7	8.7	8.3	6.8	7.6
CALYPSO 3 (MS2)	7.3	6.1	6.3	8.3	9.0	6.7	7.6
ASP6003 (TRS)	7.7	6.1	5.7	8.3	9.0	6.5	7.6
GALATTI (DP 17-9502)	8.0	6.4	5.0	8.0	8.3	6.5	7.6
FUSION	7.3	6.2	5.0	8.3	9.0	6.5	7.6
BREA (04-BRE)	7.3	6.1	6.3	8.3	9.0	6.7	7.6
PST-2AG4	7.7	5.7	5.0	8.3	8.0	6.7	7.6
PLATEAU (PST-2LAN)	7.3	6.7	5.7	8.1	8.3	6.7	7.5
ES45	6.7	6.0	6.0	8.3	8.7	6.2	7.5
ASP6002 (BPR)	7.0	6.2	6.0	8.1	8.3	6.7	7.5
SRX 4682	6.7	6.0	4.3	8.3	8.3	6.8	7.5
HARRIER (SRX 4UP3)	7.3	6.2	5.3	8.1	8.7	6.8	7.5
BARLENNIUM	7.7	5.9	5.0	8.2	8.7	6.7	7.5
HALO (KN42)	7.0	6.0	4.7	8.3	7.3	6.7	7.5
FIREBOLT (PRG HS-01-09)	7.7	6.4	4.3	8.2	8.3	6.5	7.5
PM 102	6.0	6.0	4.7	8.3	8.0	6.7	7.5
LA QUINTA (JR-255)	8.0	5.9	6.7	7.9	8.7	6.8	7.5
PIANIST (DP 17-9505)	7.7	5.8	4.0	8.2	9.0	6.7	7.5
AFFINITY	7.0	6.0	5.3	8.3	7.7	6.7	7.4
LPR 02203	8.0	5.3	4.0	8.3	8.0	6.3	7.4
PREMIER	7.0	6.3	4.7	8.3	7.7	6.7	7.4
QUICKSILVER	6.7	6.3	5.0	7.9	9.0	6.7	7.4
PINNACLE	7.0	6.4	4.3	8.0	7.0	6.0	7.3
LINN	5.3	5.1	2.3	6.4	4.3	5.5	5.8
LSD VALUE	1.4	1.2	1.8	0.9	0.9	0.7	0.7
C.V. (%)	11.5	12.1	20.3	7.0	6.8	6.5	8.3

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

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

TABLE 21. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	MI1	MN1	ND1	NE1	NJ1	OR1	QE1	MEAN
UNO (D04-11T)	6.9	5.3	5.7	8.7	7.8	7.0	6.5	7.7
PALMER V (RNS)	6.7	6.3	5.7	8.5	7.3	6.3	7.2	7.6
DERBY XTREME (IS-PR 268)	7.1	4.7	5.3	8.7	7.3	7.0	6.8	7.6
SOPRANO (DP1)	6.8	5.0	5.7	8.5	6.8	7.0	6.5	7.5
PROTEGE GLR	6.9	5.7	6.3	8.4	6.3	7.3	6.8	7.5
STELLAR GL (IS-PR 236)	6.8	5.3	5.0	8.3	6.5	7.0	6.5	7.5
ZOOM (LCK)	6.6	5.3	5.7	8.4	6.7	7.0	6.8	7.5
ATTRIBUTE (IS-PR 270)	6.8	4.7	5.3	8.5	6.8	6.7	6.8	7.5
DASHER 3 (PICK RB-1)	6.5	5.7	6.0	8.5	7.2	7.0	6.7	7.5
ALLSTAR 3 (IS-PR 274)	6.8	5.7	6.0	8.1	7.0	7.3	6.8	7.5
DEFENDER (D04-UP)	6.8	5.0	4.0	8.6	6.2	7.3	6.7	7.5
1G SQUARED (APR 1664)	6.8	6.0	6.0	8.5	6.5	5.7	7.2	7.5
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.3	4.7	5.0	8.8	6.5	6.7	6.7	7.5
EXACTA II GLSR (LTP-611-GLSR)	6.6	5.7	6.0	8.4	6.8	7.0	6.8	7.4
FIESTA 4 (PICK F4)	6.5	4.7	5.7	8.4	7.0	7.0	7.0	7.4
AMAZING GS (IS-PR 276)	7.0	4.7	5.0	8.1	7.3	6.7	6.7	7.4
SR 4600 (SRX 4SP)	7.1	6.3	5.7	8.1	6.8	6.7	6.8	7.4
KEYSTONE 2 (IS-PR 312)	6.8	5.0	5.3	8.3	6.7	6.7	6.7	7.4
PALMER IV	6.4	5.7	6.3	8.2	6.8	7.0	6.7	7.4
PROTOTYPE (DCM)	6.8	5.3	5.3	8.5	5.7	6.7	6.7	7.4
PRIMARY (IS-PR 269)	6.7	5.3	5.0	8.3	7.3	6.3	6.5	7.4
MMW	6.7	6.3	5.3	8.4	6.7	6.0	6.7	7.3
SILVER DOLLAR	6.3	4.0	5.0	8.6	6.8	6.0	6.3	7.3
HOMERUN (RG3P)	6.3	6.0	5.7	8.2	7.3	7.7	6.5	7.3
REVENGE GLX (JR-348)	6.6	5.3	6.3	8.2	6.8	7.3	6.3	7.3
APPLE GL (AAZ-B104)	6.8	5.3	5.0	8.3	6.2	6.7	6.7	7.3
PARAGON GLR	6.8	5.0	5.3	8.4	6.3	7.3	6.2	7.3
CUTTER II (PM 101)	6.3	5.0	5.3	8.7	5.3	7.0	6.5	7.3
HARRIER (SRX 4UP3)	6.8	6.0	5.0	7.9	6.8	6.7	6.7	7.3
PALMER GLS (GL-2)	6.4	5.3	5.3	8.4	7.2	6.3	6.8	7.3
PLEASURE SUPREME (PM 103)	6.0	4.7	5.3	8.7	6.2	7.0	6.3	7.3
KOKOMO II (IS-PR 235)	6.5	4.3	5.0	8.5	6.3	7.0	6.8	7.3
PIZZAZZ	7.1	5.3	5.0	8.1	5.5	6.3	6.5	7.3
TRANSFORMER (D04-1667)	5.9	4.0	5.7	8.5	6.8	6.7	6.8	7.3
NOTABLE (AF)	6.3	5.3	6.0	8.5	6.0	6.3	6.8	7.2
GRAY STAR (PST-2LGL)	6.1	4.7	4.7	8.3	5.7	7.0	6.5	7.2
PICK 02-R	6.5	5.0	5.3	8.3	5.0	7.0	6.5	7.2
E-99	5.6	4.7	5.7	8.7	7.0	6.0	6.5	7.2
PALACE (IS-PR 273)	6.6	5.3	5.0	8.2	6.7	6.0	6.5	7.2
BACCARAT (RAD-PR8)	6.0	4.7	5.0	8.3	6.5	6.0	6.5	7.2
REGAL 5 (IS-PR 271)	6.7	5.3	4.7	7.9	6.2	6.7	6.5	7.2
ASP6004 (EXS54)	6.3	5.7	5.3	8.3	5.3	6.3	6.5	7.2
FUSION	6.7	5.0	5.7	8.3	5.7	5.7	6.5	7.2
MACH I	6.6	5.3	5.3	8.5	5.3	6.7	6.7	7.2
DART (APR 1663)	6.1	5.3	5.0	8.6	6.2	6.7	6.5	7.2

TABLE 21. (CONT'D) FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	MI1	MN1	ND1	NE1	NJ1	OR1	QE1	MEAN
GRAY FOX (PST-2MNG)	5.5	4.7	5.3	8.6	6.2	6.7	6.8	7.2
RINGER II (O4-BEN)	6.0	4.3	5.3	8.7	4.8	7.0	6.5	7.2
OVERDRIVE	5.9	4.7	5.7	8.6	5.3	7.0	6.5	7.1
ACCENT II (JR-119)	5.6	4.7	5.0	8.7	4.5	6.3	6.5	7.1
BRIGHTSTAR SLT	6.1	4.0	5.0	8.3	4.7	6.0	6.5	7.1
PACESETTER II (PS-2)	6.3	5.0	4.3	8.5	5.0	6.7	6.2	7.1
PRESIDIO (CNV)	6.0	5.0	5.3	8.5	5.0	7.0	6.5	7.1
PM 102	6.4	3.3	4.3	8.4	4.8	6.3	6.5	7.1
CABO II (IS-PR 233)	6.6	5.0	4.7	8.1	5.7	7.0	6.5	7.1
TR47	5.9	5.3	5.0	8.4	5.0	7.0	6.5	7.1
BUENA VISTA	6.4	5.0	5.0	8.4	5.2	6.7	6.7	7.1
PST-2AG4	5.5	5.7	5.3	8.3	6.2	6.0	6.5	7.1
BAR LP 4420	5.8	5.7	5.3	8.5	5.2	6.7	6.5	7.0
PLATEAU (PST-2LAN)	5.8	5.7	4.7	8.4	5.7	6.7	6.7	7.0
CHIVALRY (APR 1648)	5.6	5.7	5.7	8.5	5.3	6.7	6.8	7.0
ES45	5.6	5.3	5.3	8.3	5.7	6.3	6.5	7.0
PHENOM (APR 1660)	6.0	3.3	5.3	8.2	5.8	6.3	6.5	7.0
SECRETARIAT II GLSR (LTP-101-GLSR)	5.8	5.0	5.3	8.4	6.2	6.0	6.7	7.0
TOP GUN II (JR-324)	6.2	4.7	5.0	8.3	5.0	6.0	6.5	7.0
LINE DRIVE GLS (APR 1797)	5.6	5.0	5.3	8.3	6.3	6.7	6.5	7.0
CALYPSO 3 (MS2)	5.9	5.0	5.3	8.2	5.3	6.7	6.5	7.0
DO4-LP05	6.1	4.0	5.0	8.2	5.0	7.0	6.5	7.0
MANHATTAN 5 GLR (PST-2AM)	5.5	5.0	4.7	8.5	5.5	6.7	6.7	7.0
MAJESTY II (VB77)	6.0	5.0	5.7	8.3	5.0	6.0	6.5	7.0
VB99	5.9	4.7	5.0	8.3	4.8	6.7	6.5	7.0
ASP6006 (LPFG)	6.2	4.7	5.3	8.0	5.5	6.0	6.5	7.0
FOREVER (DP 17-9499)	5.9	5.3	4.7	8.3	5.3	6.0	6.5	7.0
ASP6005 (AJM)	5.8	4.7	5.0	8.1	5.3	7.0	6.5	7.0
FIJI (GPR)	5.5	4.7	5.3	8.3	5.2	7.7	6.3	7.0
BARLENNIUM	5.4	4.3	4.3	8.5	5.0	5.7	6.2	7.0
GRAND SLAM 2 (PST-2GSM)	5.9	4.3	5.3	8.1	6.5	6.3	6.5	7.0
CITATION FORE	5.6	4.3	5.3	8.5	5.7	6.0	6.5	6.9
WIND DANCE 2 (PWDR)	5.8	4.0	5.0	8.0	5.2	6.7	6.3	6.9
BREA (O4-BRE)	5.4	5.0	6.0	8.5	4.8	7.0	6.3	6.9
LS 2300 (APR 1670)	5.3	3.3	4.7	8.5	5.8	6.7	6.3	6.9
ASP6003 (TRS)	5.8	5.3	4.3	7.9	5.5	7.0	6.5	6.9
PENTIUM	5.1	4.7	4.7	8.4	5.7	6.3	6.5	6.9
HEADSTART 2	6.1	5.0	5.3	8.0	4.3	6.7	6.3	6.9
PANTHER GLS	5.5	5.3	5.0	8.2	6.7	6.0	6.5	6.9
MONTEREY 3 (JR-408)	5.8	4.7	5.0	8.3	4.2	6.0	6.5	6.9
ASP6001 (RTS)	5.3	4.0	5.3	8.4	4.8	6.3	6.2	6.9
PST-217	6.3	4.0	5.3	8.1	4.7	6.0	6.5	6.9
INSPIRE	5.2	5.3	5.0	8.5	5.3	6.3	6.3	6.9
HALO (KN42)	5.6	4.3	4.7	8.3	4.5	6.7	6.3	6.9
GALATTI (DP 17-9502)	6.0	4.7	5.0	7.9	5.5	6.0	6.3	6.9
PIANIST (DP 17-9505)	5.5	4.0	4.0	8.3	5.2	5.7	6.3	6.9

TABLE 21. (CONT'D) FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	MI1	MN1	ND1	NE1	NJ1	OR1	QE1	MEAN
DELAWARE XL (PICK 01-2)	5.8	4.7	5.0	8.3	5.2	6.0	6.5	6.9
PINNACLE II	5.6	5.7	5.0	8.3	5.0	5.7	6.7	6.8
NEXUS XR (SNR)	5.3	4.7	5.3	8.1	4.8	6.7	6.5	6.8
REPELL GLS	5.4	4.3	5.3	8.1	5.7	6.3	6.5	6.8
PREMIER II	5.5	5.0	4.0	8.3	4.5	6.3	6.2	6.8
CADDIESHACK II (JR-163)	5.0	3.3	5.0	8.3	4.8	7.0	6.5	6.8
WAYFARER (L44)	5.3	5.0	5.3	8.1	4.2	6.7	6.2	6.8
EDGE II (AC2)	6.2	5.0	2.7	8.2	5.3	6.3	6.5	6.8
SUNSHINE 2	5.7	6.0	5.3	8.1	4.3	7.0	6.3	6.8
PANTHER	4.8	4.0	5.0	8.4	4.2	6.0	6.5	6.8
ASP6002 (BPR)	5.6	4.7	5.3	7.9	5.0	6.0	6.5	6.8
GOALKEEPER II (JR-114)	5.5	4.3	5.0	8.2	4.0	6.3	6.3	6.7
LA QUINTA (JR-255)	4.8	5.0	4.7	8.2	4.5	6.3	6.7	6.7
HAWKEYE 2 (SRX 4692)	5.3	4.3	4.3	7.9	5.8	5.7	6.2	6.7
NEXUS XD (SP4)	5.3	4.0	5.0	8.1	4.5	6.3	6.5	6.7
FIREBOLT (PRG HS-01-09)	5.4	4.7	4.3	8.2	4.6	7.3	6.7	6.7
QUICKSILVER	5.6	4.3	5.0	7.9	4.5	6.0	6.7	6.7
DP 17-9788	5.2	4.7	3.0	8.2	4.8	6.3	6.5	6.7
PST-2BLK	5.3	3.7	5.0	8.0	5.5	6.0	6.5	6.7
PALMER III	5.3	4.3	5.0	8.3	4.7	6.0	6.3	6.7
BAR LP 4920	5.9	6.0	5.0	7.9	4.2	7.0	6.3	6.7
BAR LP 4317	5.1	5.0	5.3	8.1	4.3	6.0	6.5	6.6
LPR 02203	4.3	4.0	4.3	8.3	3.3	6.0	6.8	6.4
SRX 4682	4.2	4.0	4.0	8.2	5.5	5.3	6.5	6.4
AFFINITY	4.6	3.0	5.0	8.1	4.0	5.7	6.2	6.4
PREMIER	4.2	3.3	4.3	8.1	4.0	6.3	6.2	6.3
PINNACLE	4.0	2.7	4.0	7.9	3.8	6.0	5.8	6.0
LINN	3.8	1.0	2.3	6.5	1.0	3.7	5.7	4.7
LSD VALUE	1.5	1.4	1.1	1.2	1.6	1.2	0.6	0.8
C.V. (%)	16.4	18.7	13.8	9.3	17.8	11.9	5.3	11.5

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

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

TABLE 22. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	MN1	MO1	ND1	NJ1	OK1	RI1	SD1	MEAN
TRANSFORMER (D04-1667)	80.6	46.7	97.7	48.3	92.3	90.7	99.0	76.7	80.4
DEFENDER (D04-UP)	82.7	18.3	96.8	41.7	94.0	93.8	99.0	88.3	80.0
PARAGON GLR	82.5	18.3	94.3	53.3	90.0	88.7	99.0	88.3	79.9
SR 4600 (SRX 4SP)	79.1	48.3	96.2	40.0	95.3	91.2	98.7	80.0	79.4
APPLE GL (AAZ-B104)	80.2	20.0	96.8	43.3	92.3	88.3	99.0	91.7	79.2
PALMER IV	78.5	15.0	95.2	60.0	87.3	85.3	99.0	88.3	78.9
PALMER GLS (GL-2)	80.0	16.7	96.5	50.0	88.3	92.8	98.0	85.0	78.8
PALMER V (RNS)	80.4	28.3	96.8	40.0	83.3	89.5	98.7	90.0	78.6
LINE DRIVE GLS (APR 1797)	80.3	25.0	97.7	30.0	92.3	94.0	98.0	90.0	78.6
SECRETARIAT II GLSR (LTP-101-GLSR)	74.2	36.7	95.8	46.7	88.3	94.5	98.3	90.0	78.4
KEYSTONE 2 (IS-PR 312)	80.6	10.0	98.3	53.3	76.7	90.3	98.7	91.7	78.4
PANTHER GLS	79.8	28.3	96.8	43.3	81.7	92.0	97.7	90.0	78.4
1G SQUARED (APR 1664)	76.3	13.3	95.3	50.0	93.3	92.8	98.7	93.3	78.3
PRIMARY (IS-PR 269)	81.0	21.7	94.7	38.3	82.3	91.2	98.7	91.7	78.1
DERBY XTREME (IS-PR 268)	82.8	16.7	92.0	35.0	89.0	93.3	99.0	86.7	78.1
DART (APR 1663)	73.5	33.3	98.3	36.7	96.3	91.3	97.7	91.7	78.0
HARRIER (SRX 4UP3)	76.4	33.3	96.8	40.0	95.3	87.0	99.0	86.0	78.0
STELLAR GL (IS-PR 236)	82.0	18.3	95.3	41.7	85.0	85.3	99.0	88.3	77.8
MMW	78.1	8.3	93.7	43.3	95.0	91.5	98.7	91.7	77.6
SILVER DOLLAR	78.1	38.3	99.0	40.0	71.7	93.0	99.0	88.3	77.6
HOMERUN (RG3P)	74.3	41.7	97.7	53.3	80.0	90.0	99.0	80.0	77.5
ZOOM (LCK)	74.3	26.7	94.5	43.3	83.3	92.3	99.0	96.3	77.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	76.4	35.0	97.7	45.0	90.0	92.8	98.7	71.7	77.2
NOTABLE (AF)	78.7	20.0	96.0	45.0	90.0	91.5	99.0	76.7	77.2
BUENA VISTA	76.4	31.7	93.8	40.0	80.7	91.3	99.0	93.3	77.2
AMAZING GS (IS-PR 276)	82.3	6.7	94.0	43.3	80.0	90.7	99.0	83.3	76.8
REPELL GLS	74.3	48.3	95.5	33.3	81.7	93.7	98.3	86.7	76.7
EXACTA II GLSR (LTP-611-GLSR)	77.9	10.0	96.0	41.7	94.0	83.7	98.7	88.3	76.5
PREMIER	73.8	73.3	96.2	43.3	45.0	95.3	96.3	90.0	76.3
ALLSTAR 3 (IS-PR 274)	78.5	15.0	96.2	43.3	88.3	92.0	99.0	70.0	76.1
UNO (D04-11T)	80.4	10.0	95.3	38.3	86.7	86.2	99.0	81.7	76.1
REVENGE GLX (JR-348)	74.6	40.0	97.0	63.3	85.0	86.5	98.7	58.3	76.1
MANHATTAN 5 GLR (PST-2AM)	82.4	11.7	96.8	40.0	86.7	94.8	97.3	61.7	75.8
CITATION FORE	76.8	25.0	98.3	41.7	70.0	93.2	98.3	86.7	75.8
FIESTA 4 (PICK F4)	73.8	11.7	95.3	43.3	91.7	89.3	99.0	88.3	75.6
PROTOTYPE (DCM)	75.0	28.3	97.5	36.7	66.7	90.5	98.7	94.3	75.3
PHENOM (APR 1660)	71.8	21.7	92.0	53.3	90.0	92.2	97.7	78.3	75.3
PENTIUM	77.5	33.3	96.8	41.7	50.0	94.0	98.0	90.0	75.2
PINNACLE	75.4	56.7	95.3	50.0	35.0	96.5	95.3	88.3	75.1
LS 2300 (APR 1670)	75.3	28.3	97.5	28.3	91.7	91.7	98.3	75.7	75.0
AFFINITY	76.3	21.7	93.7	51.7	45.0	96.8	96.7	93.3	74.7
INSPIRE	80.2	35.0	95.5	50.0	38.3	89.5	99.0	85.0	74.6
FUSION	74.3	16.7	96.8	35.0	80.0	90.7	99.0	88.3	74.6
KOKOMO II (IS-PR 235)	73.5	26.7	96.2	31.7	81.7	89.5	99.0	88.3	74.6
DASHER 3 (PICK RB-1)	77.8	10.0	94.5	40.0	95.7	92.3	98.7	58.3	74.3
BRIGHTSTAR SLT	76.6	36.7	98.3	58.3	38.3	91.7	98.7	78.3	74.1

TABLE 22. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	MN1	MO1	ND1	NJ1	OK1	RI1	SD1	MEAN
CABO II (IS-PR 233)	75.8	31.7	94.5	23.3	75.0	90.3	99.0	88.3	74.1
SRX 4682	71.7	48.3	93.5	20.0	94.0	92.3	99.0	76.7	74.1
ATTRIBUTE (IS-PR 270)	74.6	23.3	93.7	45.0	89.0	89.2	98.7	61.7	74.0
SOPRANO (DP1)	75.8	6.7	92.8	33.3	92.3	89.3	99.0	76.7	73.8
MACH I	78.3	30.0	95.3	51.7	33.3	94.2	99.0	86.7	73.8
GRAY FOX (PST-2MNG)	74.3	43.3	95.2	43.3	71.7	95.3	98.7	60.0	73.8
BACCARAT (RAD-PR8)	75.4	31.7	96.2	36.7	53.3	92.8	98.7	88.3	73.6
PROTEGE GLR	74.8	10.0	92.2	48.3	94.0	85.3	99.0	60.0	73.3
CHIVALRY (APR 1648)	76.3	38.3	96.2	45.0	26.7	91.5	99.0	94.0	73.0
GRAY STAR (PST-2LGL)	77.7	11.7	96.0	46.7	46.7	94.5	99.0	81.7	73.0
OVERDRIVE	74.8	25.0	97.7	38.3	50.0	93.0	99.0	88.3	72.9
PALACE (IS-PR 273)	71.0	16.7	97.7	33.3	83.3	90.8	98.7	78.3	72.9
RINGER II (O4-BEN)	74.5	10.0	99.0	36.7	71.7	92.8	98.3	76.7	72.9
PLATEAU (PST-2LAN)	73.1	18.3	97.5	41.7	58.3	97.3	98.7	80.0	72.8
PST-217	73.8	18.3	97.5	51.7	46.7	92.0	99.0	85.0	72.8
PIZZAZZ	79.3	51.7	96.8	36.7	43.3	95.2	99.0	60.0	72.8
DELAWARE XL (PICK 01-2)	71.8	33.3	97.5	50.0	46.7	88.2	98.7	86.7	72.5
ACCENT II (JR-119)	76.3	16.7	96.8	48.3	35.0	94.5	98.7	90.0	72.5
HAWKEYE 2 (SRX 4692)	69.8	43.3	97.7	16.7	84.0	90.3	96.3	80.0	72.2
TR47	69.6	51.7	92.2	56.7	36.7	90.8	98.3	83.3	72.1
E-99	75.2	25.0	96.8	35.0	48.3	92.8	97.3	83.3	72.1
MAJESTY II (VB77)	70.0	43.3	96.8	40.0	46.7	87.0	99.0	90.0	71.9
REGAL 5 (IS-PR 271)	72.5	11.7	95.2	23.3	80.0	88.7	98.7	86.7	71.9
QUICKSILVER	75.8	15.0	95.3	43.3	35.0	95.3	99.0	88.3	71.9
CALYPSO 3 (MS2)	75.2	11.7	95.5	35.0	68.3	87.0	99.0	75.0	71.5
GRAND SLAM 2 (PST-2GSM)	73.8	20.0	99.0	41.7	56.7	93.7	98.3	66.7	71.5
PLEASURE SUPREME (PM 103)	74.6	13.3	96.2	36.7	51.7	89.5	99.0	85.0	71.4
PALMER III	75.9	33.3	95.0	36.7	36.7	95.3	98.0	81.7	71.4
VB99	69.2	50.0	93.5	40.0	38.3	90.8	98.7	91.3	71.4
BAR LP 4317	79.2	8.3	96.2	35.0	41.7	90.8	98.0	82.7	71.3
PREMIER II	76.4	30.0	96.8	31.7	29.3	92.0	98.0	90.0	71.3
ASP6006 (LPFG)	73.9	26.7	89.7	38.3	53.3	90.8	99.0	80.0	71.2
BARLENNIUM	72.8	41.7	98.3	35.0	38.3	92.8	98.7	80.0	71.2
PRESIDIO (CNV)	73.1	31.7	97.7	40.0	50.0	88.8	98.7	76.7	71.1
BAR LP 4920	73.3	51.7	94.7	33.3	41.7	90.3	98.3	75.0	71.1
BREA (O4-BRE)	73.3	30.0	95.8	45.0	61.7	87.8	98.3	60.0	71.0
CADDIESHACK II (JR-163)	65.6	55.0	97.7	48.3	28.3	93.7	98.3	91.7	71.0
HEADSTART 2	75.0	30.0	95.0	50.0	30.7	89.2	98.0	73.3	70.6
TOP GUN II (JR-324)	74.3	50.0	95.3	40.0	31.7	91.7	99.0	71.7	70.5
EDGE II (AC2)	74.3	13.3	95.2	18.3	65.0	87.7	98.3	86.7	70.5
GALATTI (DP 17-9502)	71.7	6.7	96.2	41.7	46.7	93.7	99.0	81.7	70.4
PINNACLE II	70.0	5.0	97.0	46.7	50.0	94.5	99.0	80.0	70.2
ES45	72.3	45.0	95.3	38.3	46.7	90.5	98.7	66.7	70.2
ASP6004 (EXS54)	71.7	28.3	93.8	38.3	41.7	88.7	99.0	83.3	70.1
CUTTER II (PM 101)	72.4	35.0	97.7	28.3	36.7	92.0	98.0	83.3	69.9
PACESETTER II (PS-2)	75.2	35.0	96.0	23.3	30.0	91.2	99.0	83.3	69.4

TABLE 22. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	MN1	MO1	ND1	NJ1	OK1	RI1	SD1	MEAN
DP 17-9788	74.2	36.7	96.8	21.7	50.0	94.2	99.0	60.0	69.3
DO4-LP05	78.1	8.3	95.3	45.0	38.3	95.7	98.7	56.7	69.2
WAYFARER (L44)	66.8	33.3	92.0	40.0	43.3	88.7	98.7	86.7	68.9
FIJI (GPR)	70.0	28.3	97.7	40.0	43.3	89.5	99.0	71.7	68.9
WIND DANCE 2 (PWDR)	67.9	31.7	95.2	46.7	40.0	91.2	99.0	70.0	68.5
BAR LP 4420	69.3	16.7	96.0	28.3	51.7	89.5	99.0	81.7	68.4
GOALKEEPER II (JR-114)	70.4	50.0	95.3	46.7	28.3	92.8	98.7	55.0	68.3
SUNSHINE 2	68.3	21.7	92.2	45.0	33.3	88.5	98.3	85.0	68.3
HALO (KN42)	67.7	41.7	92.7	30.0	38.3	93.2	98.7	83.3	68.1
PM 102	74.2	23.3	95.5	31.7	35.0	89.5	98.7	71.7	68.1
ASP6005 (AJM)	67.1	11.7	91.2	45.0	43.3	93.7	98.7	80.0	67.9
NEXUS XR (SNR)	71.3	20.0	94.5	31.7	51.7	95.5	99.0	58.3	67.7
PANTHER	75.2	33.3	91.3	38.3	19.0	92.8	98.3	63.3	67.6
ASP6003 (TRS)	71.4	26.7	93.7	38.3	38.3	90.0	99.0	63.3	67.4
PST-2AG4	64.5	36.7	96.8	31.7	56.7	94.0	98.7	58.3	67.2
LA QUINTA (JR-255)	68.8	31.7	93.7	35.0	34.0	87.3	98.0	76.7	67.2
PICK 02-R	68.9	25.0	92.0	43.3	33.3	87.8	98.7	72.7	67.0
MONTEREY 3 (JR-408)	73.3	31.7	95.2	33.3	35.0	91.5	98.7	55.0	66.9
NEXUS XD (SP4)	67.1	21.7	94.7	30.0	35.0	88.7	98.3	86.7	66.8
ASP6002 (BPR)	69.2	21.7	96.0	38.3	45.0	94.5	98.7	55.0	66.6
ASP6001 (RTS)	68.8	15.0	96.8	43.3	30.0	89.5	99.0	68.3	66.3
FOREVER (DP 17-9499)	70.6	1.7	91.0	18.3	45.0	86.2	99.0	90.0	66.1
PST-2BLK	68.9	25.0	97.7	28.3	45.0	94.3	98.7	51.7	65.8
FIREBOLT (PRG HS-01-09)	57.5	20.0	96.8	26.7	51.7	90.0	97.0	76.7	65.1
LPR 02203	69.6	15.0	98.3	36.7	15.0	95.7	98.3	55.0	64.0
LINN	66.7	2.5	93.8	5.0	23.3	95.3	80.3	61.7	59.5
PIANIST (DP 17-9505)	64.6	8.3	96.0	25.0	35.0	87.8	98.7	31.7	59.2
LSD VALUE	16.5	31.4	6.7	25.9	15.5	7.3	1.4	32.1	11.8
C.V. (%)	14.5	73.3	4.5	40.8	16.0	5.3	0.9	25.3	16.6

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

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

TABLE 23. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL2	KY1	MI1	MO1	ND1	NJ1	OK1	RI1	SD1	MEAN
SECRETARIAT II GLSR (LTP-101-GLSR)	94.7	90.8	86.1	93.0	83.0	92.7	72.4	84.5	87.7	86.4
PANTHER GLS	81.7	93.3	88.6	96.3	70.0	90.0	61.7	79.0	95.7	85.8
LINE DRIVE GLS (APR 1797)	68.7	92.2	88.0	88.8	60.0	90.7	75.3	87.4	93.7	85.6
NOTABLE (AF)	93.0	92.0	87.2	87.2	71.7	86.7	68.2	92.1	83.0	85.3
KEYSTONE 2 (IS-PR 312)	93.3	87.2	88.0	90.5	78.3	89.0	61.7	87.9	95.0	85.1
SILVER DOLLAR	92.7	91.8	80.0	92.8	63.3	81.7	68.3	88.4	91.7	85.0
SR 4600 (SRX 4SP)	92.7	92.8	91.1	76.7	78.3	96.3	66.7	91.0	88.3	84.9
HOMERUN (RG3P)	98.3	85.3	91.6	88.2	83.0	86.7	63.3	90.7	90.7	84.8
PLATEAU (PST-2LAN)	96.0	83.2	88.0	80.5	75.0	68.3	71.7	92.4	90.7	84.5
PROTOTYPE (DCM)	97.7	80.7	84.7	94.5	73.3	84.0	66.2	87.9	97.0	84.5
TRANSFORMER (D04-1667)	97.3	89.8	84.7	89.8	73.3	95.7	70.1	88.8	70.0	84.3
GRAND SLAM 2 (PST-2GSM)	95.0	86.3	83.3	94.5	61.7	81.7	64.4	86.9	81.7	83.8
PALMER GLS (GL-2)	95.7	82.5	80.0	90.5	73.3	93.7	67.4	85.8	91.7	83.7
PRIMARY (IS-PR 269)	92.3	87.3	90.2	87.5	76.7	92.7	55.6	91.6	96.7	83.6
PALMER V (RNS)	95.7	84.2	81.7	85.5	78.3	96.0	61.2	92.7	93.3	83.6
MANHATTAN 5 GLR (PST-2AM)	89.7	89.7	85.2	88.2	60.0	93.3	69.8	83.5	81.7	83.4
HARRIER (SRX 4UP3)	63.3	94.7	87.8	91.5	61.7	93.3	50.0	87.4	95.0	83.4
APPLE GL (AAZ-B104)	94.3	95.7	90.0	92.3	63.3	86.3	61.0	73.8	96.0	83.4
HAWKEYE 2 (SRX 4692)	84.0	86.7	76.7	97.0	61.7	89.7	65.7	79.9	93.3	83.4
DEFENDER (D04-UP)	90.3	73.7	89.4	88.2	81.7	87.7	64.8	91.6	93.3	83.3
ALLSTAR 3 (IS-PR 274)	95.3	87.0	87.2	89.7	40.0	91.7	61.7	91.0	84.0	83.2
CITATION FORE	97.0	79.8	84.7	88.8	83.3	75.0	69.0	82.5	90.7	83.2
MMW	96.0	88.7	75.6	80.0	76.7	91.7	74.4	87.5	96.3	83.1
PARAGON GLR	86.0	88.5	86.9	87.3	70.7	78.3	62.7	89.3	94.7	83.1
LS 2300 (APR 1670)	90.7	91.2	81.7	89.7	73.3	87.3	62.4	87.5	85.7	83.0
OVERDRIVE	98.0	79.3	90.0	89.0	71.7	68.3	61.7	82.7	88.3	82.9
STELLAR GL (IS-PR 236)	87.7	81.7	88.3	82.2	78.3	90.0	64.7	89.3	92.7	82.8
PALMER IV	92.0	85.2	81.7	87.2	80.0	83.3	60.4	88.2	94.7	82.8
FIESTA 4 (PICK F4)	95.3	89.7	87.4	70.8	86.7	95.0	63.4	86.5	92.3	82.8
REVENGE GLX (JR-348)	92.7	76.2	88.3	89.0	85.0	91.3	67.6	83.8	81.0	82.3
REPELL GLS	88.3	83.2	82.8	84.8	63.3	85.0	70.7	87.7	91.7	82.2
ZOOM (LCK)	97.7	81.2	91.3	77.5	70.0	83.3	54.7	92.1	97.0	82.2
DART (APR 1663)	93.3	75.0	81.7	90.5	66.7	94.3	65.7	89.3	95.7	81.9
DASHER 3 (PICK RB-1)	96.3	85.0	90.6	80.0	70.0	90.0	58.9	92.4	79.0	81.9
PALACE (IS-PR 273)	96.7	77.3	86.1	92.2	50.0	85.7	64.2	83.8	89.0	81.9
BACCARAT (RAD-PR8)	97.0	79.2	80.0	83.3	68.3	78.3	65.9	86.0	93.3	81.7
UNO (D04-11T)	90.3	82.0	86.0	87.5	66.7	86.7	63.3	86.9	89.3	81.7
AMAZING GS (IS-PR 276)	91.0	89.2	84.7	87.3	63.3	86.7	54.4	86.0	83.3	81.5
CADDIESHACK II (JR-163)	98.0	69.5	87.2	86.3	68.3	53.3	75.9	85.4	95.0	81.5
CHARISMATIC II GLSR (LTP-PG-GLSR)	89.0	85.3	87.8	85.7	78.3	90.7	63.9	77.9	79.0	81.3
KOKOMO II (IS-PR 235)	90.0	81.5	78.9	91.7	58.3	86.7	58.7	89.6	93.3	81.2
ACCENT II (JR-119)	94.3	73.7	86.9	87.3	76.7	60.0	71.0	80.8	90.0	81.0
DERBY XTREME (IS-PR 268)	92.7	86.8	87.2	72.5	60.0	91.7	59.4	87.9	92.3	81.0
ATTRIBUTE (IS-PR 270)	95.0	91.3	85.6	72.5	78.3	89.0	60.6	91.6	65.7	80.8
PLEASURE SUPREME (PM 103)	94.3	68.3	87.2	91.5	71.7	66.7	62.2	89.3	87.7	80.8
EXACTA II GLSR (LTP-611-GLSR)	90.3	88.8	77.8	79.7	61.3	94.0	63.4	87.4	95.7	80.7

TABLE 23. (CONT'D) PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL2	KY1	MI1	MO1	ND1	NJ1	OK1	RI1	SD1	MEAN
1G SQUARED (APR 1664)	79.0	85.0	80.0	69.2	80.0	95.7	66.1	86.0	96.0	80.7
EDGE II (AC2)	92.7	75.3	88.9	86.2	30.0	70.0	66.3	90.3	92.3	80.2
SRX 4682	94.3	83.8	80.0	82.3	51.7	92.7	67.4	85.3	89.7	80.0
BAR LP 4317	89.3	71.7	82.2	85.8	65.0	65.0	66.0	87.9	93.3	79.8
BUENA VISTA	90.0	66.7	88.3	81.7	58.3	80.0	59.4	87.9	96.0	79.7
PHENOM (APR 1660)	82.3	85.3	79.4	75.8	73.3	91.0	62.2	86.6	84.0	79.7
GRAY FOX (PST-2MNG)	89.0	85.8	78.6	77.3	66.7	85.0	70.4	79.3	80.7	78.7
SOPRANO (DP1)	93.0	90.7	87.2	73.3	76.7	91.3	59.6	79.9	64.0	78.6
PST-2AG4	93.3	72.5	76.1	89.7	51.7	80.0	68.3	87.9	65.0	78.4
PST-2BLK	93.0	72.5	83.9	86.5	70.0	65.0	66.0	73.4	73.3	78.4
E-99	92.0	52.5	81.1	90.5	75.0	66.7	65.6	91.0	93.0	78.1
CHIVALRY (APR 1648)	90.3	60.8	77.2	85.0	56.7	48.3	72.0	92.9	95.0	78.1
CUTTER II (PM 101)	97.0	60.8	86.7	92.2	60.0	53.3	59.4	83.8	85.7	77.8
MACH I	95.3	56.7	87.2	89.2	81.7	55.0	51.7	90.8	94.0	77.5
PRESIDIO (CNV)	90.0	58.7	88.0	86.3	83.3	63.3	53.9	89.8	81.7	77.4
CALYPSO 3 (MS2)	97.0	67.5	81.7	76.7	66.7	75.0	57.8	87.4	94.0	77.3
MAJESTY II (VB77)	93.7	67.5	84.4	80.7	76.7	68.3	56.9	82.7	96.7	77.3
ASP6004 (EXS54)	96.0	75.0	77.8	73.3	70.0	66.7	60.2	91.0	90.7	77.2
REGAL 5 (IS-PR 271)	96.0	70.8	88.0	79.7	56.0	91.7	56.4	81.7	85.7	77.2
PALMER III	94.0	64.2	79.4	87.5	46.7	53.3	62.8	84.1	92.3	77.2
GRAY STAR (PST-2LGL)	88.3	65.8	81.1	80.7	60.0	71.7	62.8	84.1	93.3	77.2
FUSION	93.0	61.7	85.6	84.8	76.7	85.0	57.3	75.3	95.0	77.0
DELAWARE XL (PICK 01-2)	84.3	51.7	87.2	82.2	75.0	61.7	64.4	82.7	91.7	76.9
PENTIUM	66.3	66.7	72.2	89.7	66.7	66.7	63.9	85.1	91.7	76.8
NEXUS XR (SNR)	87.0	69.2	85.0	76.7	63.3	65.0	64.9	80.2	75.7	76.6
PST-217	92.0	73.3	82.8	78.0	73.3	63.3	59.4	75.1	90.7	76.3
PROTEGE GLR	87.3	77.8	82.2	78.3	86.3	86.7	48.8	87.2	65.0	76.3
CABO II (IS-PR 233)	85.0	64.5	88.9	71.7	53.3	82.3	57.8	86.0	90.7	76.3
VB99	93.7	60.0	87.2	74.8	70.0	60.0	58.8	87.6	96.3	76.2
FIJI (GPR)	94.0	62.5	77.2	88.0	76.7	61.7	63.3	79.1	72.3	76.2
DP 17-9788	92.7	66.2	83.3	84.8	38.3	61.7	65.9	85.2	78.3	75.7
ASP6005 (AJM)	92.7	61.2	80.6	65.0	70.0	70.0	70.0	89.3	90.0	75.7
PINNACLE II	88.0	66.2	74.4	81.5	65.0	63.3	62.2	80.3	90.7	75.6
RINGER II (04-BEN)	94.0	41.7	80.0	86.3	66.7	83.3	68.0	90.2	86.7	75.6
AFFINITY	86.0	56.7	81.7	70.0	71.7	75.0	64.4	89.4	92.3	75.4
BRIGHTSTAR SLT	88.0	36.7	81.1	92.0	83.3	58.3	75.2	77.3	84.0	75.3
BAR LP 4420	88.0	59.2	84.7	78.8	60.0	65.0	59.1	83.8	91.0	75.3
WIND DANCE 2 (PWDR)	74.3	59.2	85.0	79.0	76.7	66.7	63.9	87.7	77.3	75.2
GALATTI (DP 17-9502)	95.0	50.0	86.7	79.8	56.7	58.3	59.7	88.3	90.7	74.9
QUICKSILVER	89.0	43.3	89.4	76.7	63.3	51.7	72.1	84.8	94.0	74.7
INSPIRE	87.3	52.0	86.1	77.2	76.7	51.7	62.0	86.0	89.0	74.7
MONTEREY 3 (JR-408)	96.7	54.2	89.1	78.3	70.0	56.7	69.9	76.7	59.0	74.5
BARLENNIUM	83.3	46.7	85.0	86.2	61.7	53.3	60.4	87.4	83.3	74.3
GOALKEEPER II (JR-114)	97.3	42.5	80.6	91.3	85.0	55.0	64.1	78.5	81.0	74.1
HEADSTART 2	88.7	43.3	87.8	84.7	75.0	48.3	62.3	78.0	86.3	74.1
ASP6001 (RTS)	90.3	55.0	80.2	90.7	66.7	51.7	57.4	78.0	85.0	74.0

TABLE 23.
(CONT'D)

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL2	KY1	MI1	MO1	ND1	NJ1	OK1	RI1	SD1	MEAN
ASP6006 (LPFG)	92.7	49.2	85.0	63.3	85.0	68.3	71.8	84.3	90.7	73.7
PINNACLE	91.3	38.8	83.9	89.0	36.7	51.7	68.3	81.6	95.0	73.5
ES45	83.0	63.3	71.7	78.3	73.3	70.0	65.0	80.2	75.0	73.5
PREMIER II	91.3	47.8	87.2	80.5	50.0	51.7	58.3	84.7	94.7	73.3
BREA (04-BRE)	83.7	62.5	73.9	82.0	76.7	75.0	51.7	81.6	78.3	73.2
LA QUINTA (JR-255)	84.7	55.8	87.2	70.8	80.0	50.0	65.0	70.8	83.3	72.9
PREMIER	98.7	45.8	71.7	84.0	51.7	70.0	63.7	84.9	95.7	72.8
D04-LP05	88.3	41.2	85.0	89.7	66.7	56.7	65.0	78.6	73.3	72.7
FIREBOLT (PRG HS-01-09)	94.3	51.2	79.4	94.7	48.3	71.7	62.4	73.4	83.3	72.6
TR47	86.0	60.8	78.3	66.7	61.7	63.3	65.6	77.4	91.7	72.6
SUNSHINE 2	90.7	41.7	81.1	84.2	75.0	50.0	56.7	82.1	93.0	72.5
FOREVER (DP 17-9499)	96.3	52.5	85.0	74.0	56.7	63.3	47.2	91.9	94.0	72.4
PIANIST (DP 17-9505)	94.0	55.0	82.4	77.3	73.3	58.3	61.1	87.4	50.0	72.3
TOP GUN II (JR-324)	90.3	55.8	78.9	73.3	53.3	60.0	57.2	81.8	85.0	72.3
ASP6002 (BPR)	92.3	39.2	83.9	89.7	61.7	70.0	60.0	81.3	68.3	71.9
WAYFARER (L44)	95.0	51.7	80.0	72.5	68.3	60.0	58.4	79.9	90.0	71.7
NEXUS XD (SP4)	73.7	46.7	76.7	78.3	78.3	55.0	58.3	86.0	93.3	71.4
PIZZAZZ	87.7	25.0	76.3	85.7	80.0	65.0	71.6	87.9	70.0	71.2
PM 102	92.7	42.8	81.1	86.5	40.0	53.3	55.6	83.2	85.7	70.7
ASP6003 (TRS)	57.7	52.8	76.7	74.8	50.0	63.3	55.0	87.3	81.7	69.5
PACESETTER II (PS-2)	94.3	27.3	85.0	81.5	50.0	58.3	51.2	92.2	90.0	69.4
BAR LP 4920	94.3	19.5	78.3	83.2	68.3	61.7	61.7	85.8	90.0	68.3
PICK 02-R	86.3	21.7	84.4	75.8	70.0	51.7	56.1	80.7	88.3	67.3
HALO (KN42)	92.7	40.3	68.3	67.3	58.3	56.7	62.9	80.2	87.3	66.8
PANTHER	88.0	28.3	76.1	72.5	43.3	50.0	59.7	86.0	75.0	66.0
LPR 02203	87.3	7.5	74.4	90.5	53.3	43.3	70.2	75.0	61.7	64.4
LINN	75.7	7.7	77.2	60.8	11.7	31.7	58.3	44.2	75.7	52.9
LSD VALUE	18.7	23.3	25.0	21.5	30.5	11.4	25.1	15.7	27.3	12.7
C.V. (%)	12.9	21.7	18.9	17.5	28.4	9.7	24.7	11.0	19.6	18.1

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

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

TABLE 24.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	IL2	IN1	KY1	MA1	MI1	M01	ND1	OK1	SD1	VA1	MEAN
APPLE GL (AAZ-B104)	90.7	43.3	96.7	89.8	89.3	76.7	71.7	50.3	92.8	90.0	85.1
STELLAR GL (IS-PR 236)	78.7	45.0	93.7	90.8	88.8	72.5	85.0	52.8	91.2	86.7	84.3
KEYSTONE 2 (IS-PR 312)	89.7	53.3	93.7	91.4	83.4	77.3	85.0	51.2	91.3	86.3	84.3
PRIMARY (IS-PR 269)	90.0	33.3	93.3	88.2	89.4	72.5	86.7	53.5	93.0	85.0	84.0
PALMER V (RNS)	94.7	50.0	97.3	89.7	86.5	70.0	84.7	43.7	89.8	85.0	83.0
MMW	92.0	45.0	87.7	87.0	85.7	67.5	83.3	69.0	93.2	88.3	82.9
PALMER GLS (GL-2)	93.0	58.3	96.3	87.0	83.0	71.7	80.0	52.8	84.5	85.0	82.9
LINE DRIVE GLS (APR 1797)	66.3	35.0	90.7	89.2	85.9	81.7	68.3	59.0	93.3	88.3	82.9
DEFENDER (D04-UP)	85.7	40.0	84.0	86.0	88.0	80.0	91.3	55.7	88.7	80.0	82.7
OVERDRIVE	96.0	38.3	93.3	83.2	88.0	75.0	80.0	43.7	89.7	86.7	82.5
SR 4600 (SRX 4SP)	91.7	41.7	86.3	90.2	88.3	66.7	88.3	51.7	86.7	88.3	82.4
PROTOTYPE (DCM)	90.0	28.3	93.0	85.0	83.3	76.5	80.0	53.2	93.7	83.3	82.4
EXACTA II GLSR (LTP-611-GLSR)	80.0	41.7	94.3	90.8	84.3	68.8	64.7	57.8	92.3	83.3	82.3
CITATION FORE	88.0	40.0	95.7	88.1	80.0	76.7	89.7	56.0	88.3	93.3	82.1
DERBY XTREME (IS-PR 268)	87.7	40.0	98.3	91.3	90.0	63.3	69.7	56.0	89.2	86.7	81.9
AMAZING GS (IS-PR 276)	92.3	35.0	94.0	84.3	84.8	79.8	70.0	52.8	82.2	85.0	81.7
ZOOM (LCK)	91.7	31.7	93.0	92.0	84.3	67.5	78.3	39.0	95.8	86.7	81.5
KOKOMO II (IS-PR 235)	87.7	55.0	95.0	86.0	82.5	75.8	63.3	45.3	92.0	86.7	81.5
PANTHER GLS	81.3	33.3	94.7	89.2	82.9	75.8	78.3	49.2	92.7	80.0	81.4
BUENA VISTA	89.3	53.3	87.3	89.3	84.3	70.0	65.0	53.2	94.8	85.0	81.4
REPELL GLS	88.7	36.7	87.3	88.2	82.6	70.0	71.7	54.2	89.5	83.3	80.8
BACCARAT (RAD-PR8)	94.0	38.3	80.7	89.3	80.2	70.8	76.3	53.8	92.3	88.3	80.7
UNO (D04-11T)	89.7	38.3	94.0	90.2	82.6	68.3	75.0	59.7	88.7	85.0	80.7
FIESTA 4 (PICK F4)	92.3	46.7	89.3	89.8	84.3	64.2	91.7	53.5	83.3	90.0	80.6
ACCENT II (JR-119)	88.3	46.7	82.7	85.9	83.7	73.2	86.7	52.3	88.2	83.3	80.6
PARAGON GLR	78.0	35.0	90.3	81.1	89.1	70.7	78.3	49.7	88.3	88.3	80.6
CHARISMATIC II GLSR (LTP-PG-GLSR)	80.3	43.3	94.0	89.2	80.3	75.0	88.3	52.2	75.0	88.3	80.3
PLATEAU (PST-2LAN)	93.3	30.0	89.3	82.2	81.8	81.7	83.3	65.7	83.8	90.0	80.3
DART (APR 1663)	86.7	45.0	81.7	83.3	82.9	74.8	73.3	52.2	92.3	83.3	80.3
HOMERUN (RG3P)	86.3	30.0	94.0	82.0	85.5	72.3	88.0	50.7	82.2	88.3	80.2
NOTABLE (AF)	88.0	38.3	95.3	81.1	84.3	76.7	78.3	62.8	79.2	88.3	80.2
ALLSTAR 3 (IS-PR 274)	90.0	40.0	95.3	89.2	86.2	68.3	46.7	49.7	81.7	88.3	80.1
SECRETARIAT II GLSR (LTP-101-GLSR)	93.3	26.7	94.3	85.3	81.3	75.8	84.7	56.2	89.7	83.3	80.1
CUTTER II (PM 101)	90.3	46.7	79.0	86.6	84.3	69.2	65.0	50.7	85.3	90.0	79.9
LS 2300 (APR 1670)	82.7	51.7	95.0	87.2	77.9	65.0	83.3	55.8	78.2	88.3	79.8
PST-217	85.3	26.7	81.3	82.8	85.8	69.2	80.0	52.2	86.2	90.0	79.8
1G SQUARED (APR 1664)	63.7	31.7	91.7	85.4	84.4	60.8	83.3	52.7	92.8	83.3	79.7
PLEASURE SUPREME (PM 103)	87.3	36.7	89.7	77.8	85.1	77.8	81.7	40.8	88.3	90.0	79.7
GRAY STAR (PST-2LGL)	85.0	43.3	88.7	84.9	82.4	75.8	70.0	52.8	87.5	86.7	79.4
PALMER IV	88.0	36.7	96.0	81.7	86.0	60.8	88.3	41.5	90.0	85.0	79.3
REVENGE GLX (JR-348)	87.3	33.3	96.0	86.1	84.5	67.5	88.3	59.7	67.5	85.0	79.3
FUSION	82.7	41.7	83.3	85.0	77.3	76.7	83.3	38.5	91.2	85.0	79.3
E-99	90.7	35.0	78.3	83.3	79.0	74.2	78.3	59.3	87.5	88.3	79.2
DASHER 3 (PICK RB-1)	87.3	46.7	95.3	87.1	85.6	65.8	80.0	55.0	68.7	88.3	79.1
SILVER DOLLAR	93.7	46.7	94.3	88.2	75.0	75.0	71.7	56.7	86.3	91.3	79.1
VB99	90.3	30.0	87.3	82.8	84.3	69.8	76.7	46.3	95.7	85.0	79.1

TABLE 24. (CONT'D) PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/										
	IL2	IN1	KY1	MA1	MI1	M01	ND1	OK1	SD1	VA1	MEAN
EDGE II (AC2)	89.3	38.3	84.0	84.4	86.6	72.3	40.0	50.0	87.2	85.0	79.0
CALYPSO 3 (MS2)	82.7	35.0	76.7	85.0	83.8	72.5	78.3	48.3	86.2	83.3	78.9
PALACE (IS-PR 273)	89.0	43.3	84.7	87.7	79.1	76.5	60.0	49.3	84.2	85.0	78.8
REGAL 5 (IS-PR 271)	91.0	43.3	87.7	85.6	82.8	66.7	60.0	50.5	87.5	88.3	78.8
TRANSFORMER (D04-1667)	94.0	30.0	95.3	88.1	81.5	72.5	81.7	58.5	65.7	86.7	78.8
HARRIER (SRX 4UP3)	54.0	48.3	86.0	89.8	81.3	71.7	70.0	36.5	90.0	85.0	78.7
GRAND SLAM 2 (PST-2GSM)	90.7	28.3	94.3	83.9	80.7	79.0	65.0	57.3	73.0	90.0	78.7
MANHATTAN 5 GLR (PST-2AM)	84.7	51.7	91.0	85.6	82.1	79.2	68.3	57.3	71.7	88.3	78.7
MAJESTY II (VB77)	86.7	45.0	85.0	81.1	79.4	68.3	83.3	52.2	93.8	88.3	78.7
HEADSTART 2	84.0	41.7	71.7	81.1	83.8	75.7	81.7	44.2	84.2	85.0	78.5
ATTRIBUTE (IS-PR 270)	95.3	58.3	94.0	86.0	86.2	65.8	81.7	55.0	55.0	81.7	78.0
CABO II (IS-PR 233)	82.0	40.0	73.3	86.6	85.2	63.3	61.7	48.2	91.7	86.7	77.9
INSPIRE	85.0	55.0	68.3	86.1	79.5	75.8	80.0	51.0	86.5	88.3	77.8
PENTIUM	66.0	43.3	89.0	88.2	69.3	71.5	76.7	50.3	92.0	88.3	77.7
BRIGHTSTAR SLT	89.7	41.7	68.3	77.8	81.5	73.3	89.7	51.8	80.8	88.3	77.6
SOPRANO (DP1)	87.0	48.3	92.7	89.8	82.7	60.8	84.7	50.8	64.2	86.7	77.5
PRESIDIO (CNV)	81.7	40.0	76.7	85.6	79.4	67.5	90.0	47.8	82.5	88.3	77.4
PREMIER II	84.7	41.7	58.3	82.2	78.8	72.5	58.3	51.2	94.0	85.0	77.4
DP 17-9788	77.7	30.0	89.7	86.0	79.3	68.2	45.0	52.5	76.7	83.3	77.4
CHIVALRY (APR 1648)	83.0	45.0	56.0	87.4	79.6	71.7	63.3	51.7	92.7	81.7	77.3
PINNACLE II	74.3	43.3	86.0	78.3	81.6	63.2	71.3	53.3	85.3	83.3	77.2
PROTEGE GLR	76.3	40.0	91.3	90.2	86.3	62.5	89.7	48.7	59.5	86.7	77.2
MACH I	80.7	36.7	75.7	78.9	84.8	63.3	88.0	44.0	91.5	78.3	77.1
RINGER II (04-BEN)	77.3	31.7	65.7	82.8	83.3	76.7	76.7	55.3	76.5	86.7	77.0
ASP6004 (EXS54)	88.7	46.7	76.3	83.1	82.6	60.0	76.7	50.2	88.3	86.7	76.9
CADDIESHACK II (JR-163)	96.7	40.0	74.0	81.1	71.2	76.7	75.0	54.0	90.7	86.3	76.9
PST-2BLK	92.7	35.0	92.3	85.6	79.1	73.3	78.3	57.7	59.2	88.3	76.6
PALMER III	86.0	43.3	80.0	81.7	81.7	63.3	55.0	51.0	84.0	76.7	76.6
HAWKEYE 2 (SRX 4692)	83.3	31.7	89.0	87.7	71.3	71.5	68.3	52.0	83.7	88.3	76.6
GRAY FOX (PST-2MNG)	92.3	48.3	96.7	83.3	73.4	66.5	73.3	55.7	63.3	88.3	76.2
BAR LP 4317	77.7	33.3	92.7	86.7	67.8	78.3	70.0	57.5	91.0	81.7	76.2
ASP6001 (RTS)	88.0	26.7	68.3	86.7	77.7	73.2	75.0	51.3	82.0	78.3	76.2
BAR LP 4420	71.7	45.0	78.3	77.2	82.2	65.8	71.7	51.0	88.7	81.7	76.1
D04-LP05	77.0	53.3	69.0	82.2	82.6	65.7	71.7	57.8	59.0	88.3	75.9
PHENOM (APR 1660)	74.3	31.7	86.7	85.3	80.0	63.3	81.7	55.5	80.8	85.0	75.8
TOP GUN II (JR-324)	81.3	35.0	78.3	83.9	79.3	63.3	63.3	47.0	74.5	86.7	75.6
DELAWARE XL (PICK 01-2)	71.3	28.3	65.0	82.7	79.2	69.8	83.3	43.2	87.5	76.7	75.3
SUNSHINE 2	77.3	41.7	54.0	80.6	81.7	62.5	83.3	48.8	87.3	88.3	75.2
WIND DANCE 2 (PWDR)	64.7	35.0	75.0	83.9	81.0	75.0	81.7	54.2	72.2	81.7	75.2
PIZZAZZ	76.0	41.7	51.7	77.2	88.3	60.0	85.0	51.3	68.3	76.7	75.1
TR47	78.0	38.3	77.3	86.1	75.8	59.2	71.7	50.3	85.0	80.0	75.1
ES45	80.3	36.7	74.0	78.9	76.0	63.3	81.7	50.8	75.5	85.0	75.0
FIJI (GPR)	80.0	25.0	77.3	87.2	75.5	70.8	85.0	54.0	77.0	81.7	74.9
PACESETTER II (PS-2)	69.7	45.0	25.7	82.8	80.9	70.0	60.0	50.3	89.8	85.0	74.8
LA QUINTA (JR-255)	82.3	21.7	72.3	77.8	81.8	66.7	86.7	52.0	79.5	88.3	74.7
ASP6005 (AJM)	83.0	33.3	73.3	83.9	78.7	61.7	80.0	51.2	82.8	85.0	74.5

TABLE 24. (CONT'D) PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/										
	IL2	IN1	KY1	MA1	MI1	MO1	ND1	OK1	SD1	VA1	MEAN
BARLENNIUM	86.7	41.7	49.0	81.1	78.0	74.2	71.7	53.2	83.3	88.3	74.4
QUICKSILVER	86.3	35.0	51.7	82.8	74.6	65.8	73.3	56.2	90.3	80.0	74.2
BREA (04-BRE)	62.3	41.7	80.7	77.8	78.6	71.7	83.3	49.8	61.7	88.3	74.1
GALATTI (DP 17-9502)	81.3	40.0	68.3	74.4	76.1	75.7	66.7	49.7	87.0	81.7	73.9
NEXUS XD (SP4)	70.7	45.0	66.7	80.6	75.0	68.3	86.7	52.3	83.7	83.3	73.8
ASP6006 (LPGF)	85.3	26.7	68.3	78.9	82.0	53.3	88.3	53.3	87.2	81.7	73.7
PREMIER	84.0	50.0	73.3	80.0	66.2	73.3	60.0	52.7	92.8	88.3	73.7
GOALKEEPER II (JR-114)	94.7	26.7	53.3	80.6	77.1	75.0	91.3	51.7	63.7	86.7	73.6
AFFINITY	77.3	36.7	71.7	80.6	72.6	59.8	78.3	49.7	92.3	83.3	73.5
FOREVER (DP 17-9499)	89.0	43.3	77.3	84.4	73.8	63.2	65.0	45.0	90.0	81.7	73.3
PST-2AG4	90.0	46.7	91.7	79.4	71.5	64.8	58.3	58.7	70.8	85.0	73.1
FIREBOLT (PRG HS-01-09)	87.0	40.0	53.3	81.1	73.9	71.7	55.0	50.5	77.0	86.7	72.9
PM 102	85.0	43.3	44.0	76.1	72.5	77.5	50.0	50.2	79.5	86.7	72.5
NEXUS XR (SNR)	75.0	30.0	76.7	82.8	76.1	69.2	71.7	53.5	62.5	76.7	71.8
PIANIST (DP 17-9505)	74.3	50.0	71.7	84.3	73.8	68.3	80.0	50.2	46.7	81.7	71.8
SRX 4682	91.0	30.0	60.0	84.9	67.7	62.5	60.0	59.2	82.0	78.3	71.6
BAR LP 4920	77.0	41.7	32.3	80.0	74.2	58.3	75.0	49.5	81.7	90.0	71.3
WAYFARER (L44)	83.0	26.7	55.0	80.4	75.3	62.5	75.0	47.3	86.7	85.0	71.2
MONTEREY 3 (JR-408)	92.3	35.0	66.7	81.7	75.2	70.0	76.7	51.7	57.5	85.0	71.1
ASP6002 (BPR)	84.0	25.0	55.7	75.0	75.2	72.3	68.3	49.7	63.3	81.7	70.9
HALO (KN42)	83.3	43.3	46.7	80.0	71.7	64.0	70.0	38.3	87.0	80.0	70.3
ASP6003 (TRS)	51.7	33.3	72.3	82.2	74.3	60.0	60.0	47.3	68.8	85.0	69.7
PICK 02-R	57.3	51.7	32.3	65.0	82.0	61.7	75.0	44.3	73.2	76.7	68.0
PINNACLE	85.0	36.7	60.0	68.9	61.0	74.2	45.0	50.5	90.8	80.0	67.8
PANTHER	78.0	38.3	30.0	69.4	70.8	55.0	51.7	48.7	70.8	81.7	64.7
LPR 02203	60.3	30.0	7.7	65.6	61.3	72.5	60.0	50.5	53.3	75.0	60.2
LINN	31.7	28.3	6.7	42.2	49.6	55.0	20.0	49.2	30.8	38.3	46.8
LSD VALUE	22.5	25.1	24.0	11.5	21.6	19.9	28.8	16.8	30.8	13.6	11.5
C.V. (%)	16.9	39.7	19.2	8.9	17.0	22.4	24.1	49.5	23.4	10.0	16.6

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

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

TABLE 25.

WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	OK1	VA1	MEAN	NAME	OK1	VA1	MEAN
VB99	6.2	7.0	6.6	TOP GUN II (JR-324)	5.6	6.3	5.9
PALACE (IS-PR 273)	6.1	7.3	6.6	TRANSFORMER (D04-1667)	5.4	6.7	5.9
TR47	6.1	6.7	6.6	FIJI (GPR)	5.4	7.3	5.9
SOPRANO (DP1)	6.2	7.0	6.5	MMW	5.6	6.7	5.9
WAYFARER (L44)	5.9	7.3	6.5	PIANIST (DP 17-9505)	5.6	6.3	5.9
MAJESTY II (VB77)	6.1	7.0	6.4	PROTEGE GLR	5.6	7.3	5.9
PM 102	6.0	7.3	6.4	UNO (D04-11T)	5.6	7.3	5.9
ASP6003 (TRS)	6.0	6.7	6.4	CITATION FORE	5.6	6.7	5.9
ASP6004 (EXS54)	6.0	7.0	6.4	SILVER DOLLAR	5.4	7.3	5.9
REGAL 5 (IS-PR 271)	6.0	7.0	6.4	GRAND SLAM 2 (PST-2GSM)	5.4	6.7	5.9
ES45	6.1	6.3	6.3	HARRIER (SRX 4UP3)	5.3	7.3	5.9
EXACTA II GLSR (LTP-611-GLSR)	5.9	7.7	6.3	BAR LP 4920	5.4	6.3	5.8
NEXUS XD (SP4)	6.0	6.7	6.3	BREA (04-BRE)	5.7	5.7	5.8
CABO II (IS-PR 233)	6.0	6.7	6.3	D04-LP05	5.4	6.7	5.8
CALYPSO 3 (MS2)	5.8	7.3	6.3	EDGE II (AC2)	5.4	6.3	5.8
OVERDRIVE	5.9	6.7	6.3	GRAY FOX (PST-2MNG)	5.4	6.3	5.8
CUTTER II (PM 101)	6.0	6.7	6.2	PALMER V (RNS)	5.4	7.3	5.8
ASP6006 (LPFG)	5.8	7.0	6.2	DERBY XTREME (IS-PR 268)	5.2	8.0	5.8
FIREBOLT (PRG HS-01-09)	5.9	6.3	6.2	WIND DANCE 2 (PWDR)	5.3	6.7	5.8
FOREVER (DP 17-9499)	6.0	6.3	6.2	ALLSTAR 3 (IS-PR 274)	5.3	7.3	5.8
ASP6002 (BPR)	5.7	7.0	6.2	BRIGHTSTAR SLT	5.4	6.3	5.8
HALO (KN42)	5.7	7.3	6.2	FIESTA 4 (PICK F4)	5.3	7.3	5.8
NOTABLE (AF)	5.8	6.7	6.2	KOKOMO II (IS-PR 235)	5.3	7.3	5.8
SUNSHINE 2	5.8	7.0	6.2	LINE DRIVE GLS (APR 1797)	5.3	6.3	5.8
ZOOM (LCK)	5.7	7.3	6.2	PALMER GLS (GL-2)	5.3	7.0	5.8
DASHER 3 (PICK RB-1)	5.8	6.7	6.1	PROTOTYPE (DCM)	5.4	6.3	5.8
DELAWARE XL (PICK 01-2)	5.7	7.0	6.1	CHARISMATIC II GLSR (LTP-PG-GLSR)	5.2	6.7	5.7
PST-2AG4	5.7	7.0	6.1	HOMERUN (RG3P)	5.2	6.7	5.7
HEADSTART 2	5.8	6.3	6.1	KEYSTONE 2 (IS-PR 312)	5.2	7.0	5.7
PARAGON GLR	5.7	7.0	6.1	GALATTI (DP 17-9502)	5.3	6.3	5.7
PICK 02-R	5.8	7.0	6.1	MONTEREY 3 (JR-408)	5.4	5.7	5.7
PRESIDIO (CNV)	5.6	7.3	6.1	PIZZAZZ	5.3	7.0	5.7
PST-217	5.7	6.3	6.1	APPLE GL (AAZ-B104)	5.2	7.0	5.7
STELLAR GL (IS-PR 236)	5.7	7.3	6.1	E-99	5.4	5.3	5.7
AMAZING GS (IS-PR 276)	5.6	7.3	6.0	NEXUS XR (SNR)	5.3	6.3	5.7
ASP6001 (RTS)	5.6	7.0	6.0	PACESETTER II (PS-2)	5.3	6.0	5.7
ASP6005 (AJM)	5.4	7.3	6.0	PANTHER GLS	5.1	7.3	5.7
LA QUINTA (JR-255)	5.6	6.7	6.0	PLEASURE SUPREME (PM 103)	5.3	6.3	5.7
MACH I	5.6	6.7	6.0	QUICKSILVER	5.2	6.7	5.7
PALMER IV	5.7	7.0	6.0	BACCARAT (RAD-PR8)	5.2	6.3	5.6
BUENA VISTA	5.6	7.0	5.9	RINGER II (04-BEN)	5.3	5.7	5.6
CHIVALRY (APR 1648)	5.6	7.0	5.9	ATTRIBUTE (IS-PR 270)	5.2	6.7	5.6
FUSION	5.4	7.0	5.9	DEFENDER (D04-UP)	5.1	7.0	5.6
GOALKEEPER II (JR-114)	5.7	5.7	5.9	INSPIRE	5.2	6.0	5.6
REVENGE GLX (JR-348)	5.6	7.0	5.9	REPELL GLS	5.1	7.0	5.6
				SR 4600 (SRX 4SP)	5.1	7.3	5.6

TABLE 25. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	OK1	VA1	MEAN
HAWKEYE 2 (SRX 4692)	5.2	6.0	5.6
LS 2300 (APR 1670)	5.2	6.0	5.6
PENTIUM	5.2	6.0	5.6
PST-2BLK	5.2	6.3	5.6
BAR LP 4420	5.3	5.3	5.5
CADDIESHACK II (JR-163)	5.1	5.7	5.5
PINNACLE II	5.0	7.0	5.5
PREMIER II	5.2	5.7	5.5
PRIMARY (IS-PR 269)	5.1	6.3	5.5
SECRETARIAT II GLSR (LTP-101-GLSR)	4.9	7.0	5.5
ACCENT II (JR-119)	5.2	5.3	5.4
DART (APR 1663)	5.1	6.0	5.4
GRAY STAR (PST-2LGL)	5.0	6.7	5.4
PLATEAU (PST-2LAN)	5.0	6.0	5.4
PHENOM (APR 1660)	4.9	7.0	5.4
SRX 4682	5.0	6.3	5.4
MANHATTAN 5 GLR (PST-2AM)	4.9	6.3	5.4
PANTHER	5.1	5.3	5.3
BARLENNIUM	5.1	5.0	5.3
BAR LP 4317	5.0	5.3	5.2
PALMER III	5.0	5.3	5.2
PREMIER	5.0	5.0	5.2
1G SQUARED (APR 1664)	4.9	5.7	5.2
DP 17-9788	4.8	5.7	5.2
LPR 02203	4.8	5.3	5.1
PINNACLE	4.8	5.0	5.1
LINN	4.7	4.0	4.8
AFFINITY	4.4	5.7	4.8
LSD VALUE	1.0	1.1	1.0
C.V. (%)	12.3	10.9	11.9

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

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

3/ WINTER COLOR RATED AT "OK1" IN 2005-07, AND AT "VA1" IN 2005.

TABLE 26. PERCENT WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/ 3/

NAME	IA1	ND1	SD1	WI1	MEAN
LINN	67.0	97.7	66.7	70.7	72.6
PIANIST (DP 17-9505)	56.0	76.3	73.3	55.0	65.0
BARLENNIUM	56.0	81.7	70.0	41.7	62.6
BAR LP 4420	59.3	73.3	70.0	35.0	61.2
HALO (KN42)	44.7	78.3	66.7	63.3	60.7
LPR 02203	44.7	85.0	76.7	35.0	60.4
ASP6002 (BPR)	48.3	76.7	73.3	40.0	60.0
PANTHER	56.0	73.3	66.7	38.3	59.5
WAYFARER (L44)	48.7	70.0	70.0	43.3	58.4
HOMERUN (RG3P)	52.0	42.0	66.7	68.0	57.9
WIND DANCE 2 (PWDR)	44.7	66.7	60.0	70.7	57.8
HAWKEYE 2 (SRX 4692)	52.3	80.0	66.7	28.3	57.7
DELAWARE XL (PICK 01-2)	52.0	80.0	66.7	28.3	57.6
CITATION FORE	55.7	61.7	70.0	32.3	57.6
BREA (04-BRE)	40.7	58.3	70.0	65.0	57.4
NEXUS XD (SP4)	44.7	50.0	63.3	76.7	57.1
PREMIER	56.0	90.0	50.0	38.3	56.7
ASP6004 (EXS54)	41.0	75.0	66.7	48.3	56.4
PALMER III	48.7	74.0	66.7	33.7	56.4
MONTEREY 3 (JR-408)	40.7	65.0	76.7	38.3	56.3
PM 102	44.7	90.0	56.7	45.0	56.3
ASP6003 (TRS)	40.7	81.7	70.0	33.3	56.1
DASHER 3 (PICK RB-1)	55.7	56.7	63.3	40.0	55.8
D04-LP05	48.7	65.0	73.3	23.3	55.4
GRAY FOX (PST-2MNG)	48.7	60.0	76.7	21.7	55.4
ASP6006 (LPG)	40.7	46.7	66.7	70.7	55.3
BACCARAT (RAD-PR8)	48.3	85.0	60.0	30.0	55.3
NEXUS XR (SNR)	37.0	68.3	63.3	61.7	55.1
CABO II (IS-PR 233)	37.0	88.3	56.7	55.0	55.1
FIREBOLT (PRG HS-01-09)	52.3	76.3	63.3	21.7	54.9
PACESETTER II (PS-2)	52.0	68.3	66.7	23.3	54.8
STELLAR GL (IS-PR 236)	48.3	61.7	70.0	30.3	54.8
GALATTI (DP 17-9502)	52.3	53.3	66.7	36.7	54.7
PINNACLE	56.0	63.3	53.3	45.0	54.5
KOKOMO II (IS-PR 235)	52.0	73.3	63.3	21.7	54.3
BAR LP 4920	33.0	73.3	70.0	45.0	54.1
EXACTA II GLSR (LTP-611-GLSR)	37.0	70.0	63.3	53.3	54.0
ASP6001 (RTS)	41.0	68.3	70.0	33.3	53.9
PIZZAZZ	41.0	53.3	76.7	33.3	53.7
CALYPSO 3 (MS2)	48.7	56.7	63.3	40.0	53.4
VB99	52.0	68.3	60.0	28.3	53.4
PALACE (IS-PR 273)	33.3	88.3	63.3	38.3	53.3
UNO (D04-11T)	45.0	68.3	66.7	26.7	53.1
ATTRIBUTE (IS-PR 270)	40.7	56.7	76.7	26.7	53.0
QUICKSILVER	48.7	60.0	66.7	26.7	52.9
MMW	41.0	66.7	66.7	34.3	52.7

TABLE 26. PERCENT WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/ 3/					
NAME	IA1	ND1	SD1	WI1	MEAN
OVERDRIVE	56.0	73.3	56.7	16.7	52.6
AMAZING GS (IS-PR 276)	48.3	46.7	70.0	31.7	52.5
PRESIDIO (CNV)	29.7	73.3	76.7	29.0	52.5
FIESTA 4 (PICK F4)	59.7	50.0	66.7	12.0	52.4
CADDIESHACK II (JR-163)	56.0	55.0	60.0	26.7	52.3
GOALKEEPER II (JR-114)	37.0	60.0	66.7	45.7	52.2
ALLSTAR 3 (IS-PR 274)	37.0	66.3	73.3	25.0	52.0
PST-217	40.7	46.7	73.3	36.7	51.9
TR47	44.7	56.7	70.0	25.0	51.8
SECRETARIAT II GLSR (LTP-101-GLSR)	52.0	48.3	70.0	18.3	51.8
SOPRANO (DP1)	29.3	76.7	66.7	41.7	51.7
FOREVER (DP 17-9499)	48.7	75.0	60.0	17.7	51.7
FUSION	44.7	50.0	66.7	36.7	51.6
PST-2BLK	33.3	70.0	76.7	18.3	51.4
BUENA VISTA	44.7	53.3	63.3	38.3	51.3
DART (APR 1663)	56.0	43.3	63.3	25.0	51.2
EDGE II (AC2)	48.7	89.3	53.3	13.3	51.1
PICK 02-R	63.0	36.7	56.7	30.0	51.0
RINGER II (04-BEN)	41.0	61.7	63.3	35.0	50.9
CUTTER II (PM 101)	41.0	58.3	73.3	17.7	50.8
AFFINITY	44.7	56.7	66.7	25.0	50.7
E-99	45.0	73.3	63.3	14.3	50.7
KEYSTONE 2 (IS-PR 312)	44.7	60.0	63.3	28.3	50.7
PALMER GLS (GL-2)	59.7	53.3	56.7	18.0	50.7
REGAL 5 (IS-PR 271)	44.7	63.0	63.3	25.0	50.7
PREMIER II	44.7	85.0	53.3	20.0	50.2
BRIGHTSTAR SLT	41.0	62.7	63.3	28.3	49.9
SUNSHINE 2	52.0	46.7	60.0	28.3	49.8
DEFENDER (D04-UP)	33.3	65.0	63.3	40.0	49.7
LA QUINTA (JR-255)	44.7	53.3	66.7	21.7	49.6
LINE DRIVE GLS (APR 1797)	41.0	85.0	56.7	16.7	49.5
ASP6005 (AJM)	52.3	63.3	60.0	8.0	49.3
LS 2300 (APR 1670)	29.3	78.3	63.3	32.0	49.3
PLEASURE SUPREME (PM 103)	48.3	50.0	66.7	15.7	49.3
PINNACLE II	37.0	60.0	60.0	40.0	49.0
DERBY XTREME (IS-PR 268)	33.3	70.0	60.0	36.7	48.9
MANHATTAN 5 GLR (PST-2AM)	37.0	65.0	73.3	7.7	48.9
SRX 4682	44.7	61.7	56.7	28.3	48.8
HEADSTART 2	41.0	56.7	53.3	45.0	48.4
SR 4600 (SRX 4SP)	41.0	60.0	63.3	21.0	48.3
ACCENT II (JR-119)	44.7	40.0	70.0	20.0	48.2
PHENOM (APR 1660)	44.7	35.0	63.3	38.3	48.2
DP 17-9788	29.3	81.3	60.0	28.3	48.1
APPLE GL (AAZ-B104)	40.7	65.0	56.7	28.3	48.0
TRANSFORMER (D04-1667)	48.3	36.7	63.3	27.7	47.9
GRAY STAR (PST-2LGL)	41.0	56.7	60.0	28.3	47.8

TABLE 26. PERCENT WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/ 3/					
NAME	IA1	ND1	SD1	WI1	MEAN
FIJI (GPR)	33.3	65.0	66.7	21.7	47.8
PARAGON GLR	40.7	56.7	60.0	28.3	47.7
ZOOM (LCK)	44.7	78.3	53.3	11.7	47.7
INSPIRE	48.7	43.3	56.7	29.0	47.2
PST-2AG4	25.7	61.7	70.0	30.0	47.2
PANTHER GLS	37.0	60.0	63.3	21.7	47.1
PENTIUM	37.0	70.0	56.7	25.0	47.1
PROTOTYPE (DCM)	41.0	55.0	53.3	38.3	47.0
TOP GUN II (JR-324)	41.0	43.0	70.0	17.0	47.0
PROTEGE GLR	44.7	36.7	63.3	28.3	46.8
REPELL GLS	37.0	60.0	60.0	26.7	46.8
ES45	33.0	63.3	70.0	10.7	46.7
HARRIER (SRX 4UP3)	48.3	60.0	56.7	10.0	46.7
PRIMARY (IS-PR 269)	52.3	40.0	56.7	21.3	46.6
BAR LP 4317	48.3	56.7	53.3	19.0	46.5
SILVER DOLLAR	37.0	71.7	56.7	20.0	46.5
GRAND SLAM 2 (PST-2GSM)	37.0	46.7	70.0	14.0	45.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	33.3	63.3	60.0	23.3	45.6
1G SQUARED (APR 1664)	44.7	51.7	53.3	25.0	45.4
MACH I	33.0	53.3	60.0	30.0	44.9
PALMER V (RNS)	41.0	33.3	60.0	26.7	43.7
REVENGE GLX (JR-348)	37.0	26.7	70.0	21.0	43.6
PLATEAU (PST-2LAN)	41.0	58.3	53.3	13.3	43.4
NOTABLE (AF)	25.7	33.3	80.0	13.7	43.1
PALMER IV	44.7	30.0	56.7	22.7	42.6
CHIVALRY (APR 1648)	37.3	46.3	53.3	26.7	42.4
MAJESTY II (VB77)	29.7	48.3	53.3	20.0	39.1
LSD VALUE	21.1	43.1	19.7	35.4	22.9
C.V. (%)	29.7	43.1	19.0	70.7	33.7

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

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

3/ PERCENT WINTER KILL RATED AT "IA1" IN 2008, AT "ND1" & "WI1" IN 2005, AND AT "SD1" IN 2007.

TABLE 27.

 TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2005-09 DATA

TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MA1	NAME	MA1
BARLENNIUM	5.3	PROTEGE GLR	4.6
PST-217	5.3	REPELL GLS	4.6
DEFENDER (D04-UP)	5.2	BACCARAT (RAD-PR8)	4.6
SR 4600 (SRX 4SP)	5.2	EXACTA II GLSR (LTP-611-GLSR)	4.6
PARAGON GLR	5.2	PALMER V (RNS)	4.6
BREA (04-BRE)	5.1	1G SQUARED (APR 1664)	4.4
GRAND SLAM 2 (PST-2GSM)	5.1	BUENA VISTA	4.4
MMW	5.1	ACCENT II (JR-119)	4.4
SILVER DOLLAR	5.1	AMAZING GS (IS-PR 276)	4.4
DART (APR 1663)	5.0	EDGE II (AC2)	4.4
OVERDRIVE	5.0	QUICKSILVER	4.4
ASP6001 (RTS)	5.0	MANHATTAN 5 GLR (PST-2AM)	4.3
CALYPSO 3 (MS2)	5.0	PST-2AG4	4.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0	AFFINITY	4.3
E-99	5.0	ASP6003 (TRS)	4.3
MACH I	5.0	BRIGHTSTAR SLT	4.3
ZOOM (LCK)	5.0	CABO II (IS-PR 233)	4.3
HOMERUN (RG3P)	5.0	CHIVALRY (APR 1648)	4.3
TOP GUN II (JR-324)	5.0	INSPIRE	4.3
ALLSTAR 3 (IS-PR 274)	4.9	LS 2300 (APR 1670)	4.3
DASHER 3 (PICK RB-1)	4.9	NOTABLE (AF)	4.3
PANTHER	4.9	PICK 02-R	4.3
PRESIDIO (CNV)	4.9	SECRETARIAT II GLSR (LTP-101-GLSR)	4.3
VB99	4.9	SRX 4682	4.3
APPLE GL (AAZ-B104)	4.8	SUNSHINE 2	4.3
FIESTA 4 (PICK F4)	4.8	ASP6006 (LPFG)	4.2
LINE DRIVE GLS (APR 1797)	4.8	BAR LP 4317	4.2
PM 102	4.8	CADDIESHACK II (JR-163)	4.2
RINGER II (04-BEN)	4.8	KEYSTONE 2 (IS-PR 312)	4.2
BAR LP 4920	4.7	KOKOMO II (IS-PR 235)	4.2
FIREBOLT (PRG HS-01-09)	4.7	PINNACLE	4.2
GRAY FOX (PST-2MNG)	4.7	PINNACLE II	4.2
MAJESTY II (VB77)	4.7	REGAL 5 (IS-PR 271)	4.2
PACESETTER II (PS-2)	4.7	WAYFARER (L44)	4.2
PALACE (IS-PR 273)	4.7	ASP6002 (BPR)	4.1
UNO (D04-11T)	4.7	DELAWARE XL (PICK 01-2)	4.1
CUTTER II (PM 101)	4.7	ES45	4.1
ASP6004 (EXS54)	4.6	PALMER IV	4.1
ASP6005 (AJM)	4.6	PANTHER GLS	4.1
ATTRIBUTE (IS-PR 270)	4.6	PIANIST (DP 17-9505)	4.1
DERBY XTREME (IS-PR 268)	4.6	PLEASURE SUPREME (PM 103)	4.1
PHENOM (APR 1660)	4.6	TR47	4.1
CITATION FORE	4.6	GALATTI (DP 17-9502)	4.1
FIJI (GPR)	4.6	LA QUINTA (JR-255)	4.1
FUSION	4.6	NEXUS XD (SP4)	4.1
		WIND DANCE 2 (PWDR)	4.0

TABLE 27. TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MA1
D04-LP05	4.0
DP 17-9788	4.0
FOREVER (DP 17-9499)	4.0
HALO (KN42)	4.0
HEADSTART 2	4.0
LPR 02203	4.0
NEXUS XR (SNR)	4.0
PENTIUM	4.0
PLATEAU (PST-2LAN)	4.0
PREMIER	4.0
PST-2BLK	4.0
REVENGE GLX (JR-348)	4.0
TRANSFORMER (D04-1667)	4.0
PRIMARY (IS-PR 269)	3.9
PALMER GLS (GL-2)	3.9
PREMIER II	3.9
HARRIER (SRX 4UP3)	3.8
PROTOTYPE (DCM)	3.8
SOPRANO (DP1)	3.8
GRAY STAR (PST-2LGL)	3.6
HAWKEYE 2 (SRX 4692)	3.6
MONTEREY 3 (JR-408)	3.6
STELLAR GL (IS-PR 236)	3.6
GOALKEEPER II (JR-114)	3.4
PIZZAZZ	3.4
PALMER III	3.3
BAR LP 4420	3.2
LINN	2.1
LSD VALUE	1.6
C.V. (%)	24.3

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

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

3/ TYPHULA BLIGHT RATED IN 2007-09.

TABLE 28.

LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

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

TABLE 28. LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

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

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

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

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

3/ LEAF SPOT RATED IN 2009 ONLY.

TABLE 29.

STEM RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	OK1	NAME	OK1
CHIVALRY (APR 1648)	8.0	FIESTA 4 (PICK F4)	6.3
SOPRANO (DP1)	8.0	HALO (KN42)	6.3
EXACTA II GLSR (LTP-611-GLSR)	7.7	KEYSTONE 2 (IS-PR 312)	6.3
GRAY STAR (PST-2LGL)	7.7	LS 2300 (APR 1670)	6.3
NEXUS XD (SP4)	7.7	NEXUS XR (SNR)	6.3
STELLAR GL (IS-PR 236)	7.7	PALMER IV	6.3
ZOOM (LCK)	7.7	PARAGON GLR	6.3
ALLSTAR 3 (IS-PR 274)	7.3	PICK 02-R	6.3
ATTRIBUTE (IS-PR 270)	7.3	PINNACLE	6.3
DEFENDER (D04-UP)	7.3	PST-2BLK	6.3
MANHATTAN 5 GLR (PST-2AM)	7.3	REPELL GLS	6.3
MMW	7.3	SR 4600 (SRX 4SP)	6.3
PALMER V (RNS)	7.3	SUNSHINE 2	6.3
PHENOM (APR 1660)	7.3	TRANSFORMER (D04-1667)	6.3
PST-2AG4	7.3	1G SQUARED (APR 1664)	6.0
QUICKSILVER	7.3	ACCENT II (JR-119)	6.0
REGAL 5 (IS-PR 271)	7.3	ASP6005 (AJM)	6.0
AMAZING GS (IS-PR 276)	7.0	BAR LP 4420	6.0
APPLE GL (AAZ-B104)	7.0	CALYPSO 3 (MS2)	6.0
ASP6006 (LPFG)	7.0	DERBY XTREME (IS-PR 268)	6.0
BAR LP 4920	7.0	EDGE II (AC2)	6.0
E-99	7.0	FIJI (GPR)	6.0
ES45	7.0	FUSION	6.0
KOKOMO II (IS-PR 235)	7.0	GALATTI (DP 17-9502)	6.0
MONTEREY 3 (JR-408)	7.0	GRAY FOX (PST-2MNG)	6.0
NOTABLE (AF)	7.0	HARRIER (SRX 4UP3)	6.0
PROTEGE GLR	7.0	HEADSTART 2	6.0
PST-217	7.0	MAJESTY II (VB77)	6.0
REVENGE GLX (JR-348)	7.0	OVERDRIVE	6.0
VB99	7.0	PENTIUM	6.0
ASP6003 (TRS)	6.7	PIANIST (DP 17-9505)	6.0
BUENA VISTA	6.7	PINNACLE II	6.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.7	PIZZAZZ	6.0
CUTTER II (PM 101)	6.7	PM 102	6.0
D04-LP05	6.7	SECRETARIAT II GLSR (LTP-101-GLSR)	6.0
DELAWARE XL (PICK 01-2)	6.7	ASP6004 (EXS54)	5.7
HOMERUN (RG3P)	6.7	CITATION FORE	5.7
PALMER GLS (GL-2)	6.7	DART (APR 1663)	5.7
PRIMARY (IS-PR 269)	6.7	GRAND SLAM 2 (PST-2GSM)	5.7
PROTOTYPE (DCM)	6.7	PACESETTER II (PS-2)	5.7
UNO (D04-11T)	6.7	PANTHER	5.7
ASP6001 (RTS)	6.3	PLEASURE SUPREME (PM 103)	5.7
ASP6002 (BPR)	6.3	SILVER DOLLAR	5.7
CADDIESHACK II (JR-163)	6.3	AFFINITY	5.3
DASHER 3 (PICK RB-1)	6.3	BAR LP 4317	5.3
		BREA (04-BRE)	5.3

TABLE 29. STEM RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

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

NAME	OK1
BRIGHTSTAR SLT	5.3
CABO II (IS-PR 233)	5.3
FIREBOLT (PRG HS-01-09)	5.3
FOREVER (DP 17-9499)	5.3
GOALKEEPER II (JR-114)	5.3
LA QUINTA (JR-255)	5.3
LINE DRIVE GLS (APR 1797)	5.3
LPR 02203	5.3
PALACE (IS-PR 273)	5.3
PREMIER II	5.3
SRX 4682	5.3
TOP GUN II (JR-324)	5.3
BACCARAT (RAD-PR8)	5.0
DP 17-9788	5.0
INSPIRE	5.0
MACH I	5.0
PANTHER GLS	5.0
PLATEAU (PST-2LAN)	5.0
RINGER II (04-BEN)	5.0
TR47	5.0
WAYFARER (L44)	5.0
WIND DANCE 2 (PWDR)	5.0
BARLENNIUM	4.7
PALMER III	4.7
PREMIER	4.7
PRESIDIO (CNV)	4.7
HAWKEYE 2 (SRX 4692)	4.3
LINN	4.3
LSD VALUE	1.3
C.V. (%)	13.4

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

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

3/ STEM RUST RATED IN 2007 ONLY.

TABLE 30. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IL2	MA1	MO1	NE1	OK1	VA1	MEAN
MAJESTY II (VB77)	3.0	8.5	5.3	6.3	8.3	5.7	6.1
AMAZING GS (IS-PR 276)	3.0	8.0	5.7	6.7	8.0	4.7	6.0
DART (APR 1663)	4.0	8.2	5.3	6.3	8.3	3.7	6.0
SILVER DOLLAR	3.0	8.8	5.0	7.0	7.3	5.0	6.0
STELLAR GL (IS-PR 236)	4.3	7.5	5.3	6.3	8.0	4.3	5.9
ATTRIBUTE (IS-PR 270)	3.0	8.3	5.3	6.0	6.7	4.7	5.8
REGAL 5 (IS-PR 271)	3.7	7.8	5.3	4.3	8.0	4.3	5.7
UNO (D04-11T)	5.7	7.3	4.3	6.7	7.3	4.3	5.7
KOKOMO II (IS-PR 235)	4.0	7.8	4.7	6.3	7.7	4.7	5.7
WAYFARER (L44)	3.3	7.3	5.7	5.3	7.3	4.7	5.7
ASP6004 (EXS54)	4.0	7.5	5.0	6.3	6.7	5.0	5.6
FIESTA 4 (PICK F4)	3.7	6.8	5.7	6.3	6.7	4.0	5.6
ALLSTAR 3 (IS-PR 274)	4.0	7.2	4.7	6.0	8.0	4.7	5.6
CHIVALRY (APR 1648)	1.3	7.3	5.3	6.3	9.0	5.3	5.6
SECRETARIAT II GLSR (LTP-101-GLSR)	3.0	7.0	5.7	5.3	7.7	4.3	5.6
AFFINITY	5.0	8.3	4.0	5.0	6.3	4.3	5.6
KEYSTONE 2 (IS-PR 312)	3.3	8.3	4.3	7.7	5.7	4.7	5.6
PLATEAU (PST-2LAN)	2.3	7.8	4.7	7.0	8.3	5.0	5.6
SOPRANO (DP1)	3.7	7.5	4.7	5.7	8.0	4.3	5.6
PREMIER	7.7	7.2	3.3	5.0	7.0	4.7	5.5
PRIMARY (IS-PR 269)	3.0	7.3	4.7	6.7	7.7	5.0	5.5
PST-217	3.7	7.8	4.7	6.0	7.0	4.3	5.5
LA QUINTA (JR-255)	3.3	7.7	5.0	4.7	7.3	4.3	5.5
CABO II (IS-PR 233)	3.3	7.8	4.7	5.3	8.0	4.0	5.5
DERBY XTREME (IS-PR 268)	4.3	7.3	4.7	5.3	7.0	4.0	5.5
HOMERUN (RG3P)	3.3	7.2	5.3	4.7	6.0	5.3	5.5
MMW	3.3	6.8	5.0	3.7	9.0	5.3	5.5
CUTTER II (PM 101)	3.7	6.7	5.3	6.0	6.7	4.0	5.4
DEFENDER (D04-UP)	4.3	8.0	4.7	6.0	4.0	4.3	5.4
PROTOTYPE (DCM)	3.0	7.5	4.7	5.3	8.0	5.0	5.4
1G SQUARED (APR 1664)	4.3	7.0	4.3	5.0	8.3	4.7	5.4
EXACTA II GLSR (LTP-611-GLSR)	2.3	7.3	5.0	5.0	8.0	5.7	5.4
CITATION FORE	5.0	5.7	5.3	3.7	6.3	6.0	5.4
GOALKEEPER II (JR-114)	5.3	6.7	5.0	4.7	5.7	4.7	5.4
MONTEREY 3 (JR-408)	3.3	7.2	4.7	5.7	8.3	4.7	5.4
GRAY STAR (PST-2LGL)	1.3	7.8	5.0	7.3	8.0	3.7	5.4
HALO (KN42)	3.3	8.2	3.7	6.0	8.0	4.7	5.4
E-99	2.7	8.3	3.3	7.7	8.3	5.0	5.4
BRIGHTSTAR SLT	5.0	6.2	5.0	4.0	7.0	4.7	5.3
FUSION	1.7	7.7	5.0	6.7	7.0	4.3	5.3
WIND DANCE 2 (PWDR)	3.7	7.2	4.7	6.3	6.0	4.3	5.3
MANHATTAN 5 GLR (PST-2AM)	3.3	7.8	4.3	4.3	8.0	4.7	5.3
PENTIUM	3.3	7.8	3.3	7.0	8.3	4.7	5.3
PHENOM (APR 1660)	4.0	6.2	5.0	5.7	7.0	4.7	5.3
ACCENT II (JR-119)	1.7	7.0	4.7	6.7	8.3	5.0	5.3

TABLE 30. (CONT'D) DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IL2	MA1	MO1	NE1	OK1	VA1	MEAN
CHARISMATIC II GLSR (LTP-PG-GLSR)	2.3	7.2	5.3	4.3	7.3	5.0	5.3
DASHER 3 (PICK RB-1)	2.0	7.2	5.3	3.7	8.0	4.7	5.3
PANTHER GLS	3.0	7.2	5.0	4.7	7.0	5.3	5.3
PM 102	4.3	6.3	5.0	5.3	6.7	4.3	5.3
PALMER GLS (GL-2)	2.7	7.7	4.7	3.7	6.7	5.0	5.2
TOP GUN II (JR-324)	2.0	7.7	4.3	6.0	7.3	4.7	5.2
PST-2BLK	1.7	7.8	4.0	7.0	9.0	4.0	5.2
REVENGE GLX (JR-348)	3.0	7.5	5.0	4.3	5.7	4.0	5.2
FOREVER (DP 17-9499)	3.7	7.2	5.0	3.7	6.3	3.7	5.2
HARRIER (SRX 4UP3)	3.7	6.5	4.3	4.7	8.0	5.0	5.2
LS 2300 (APR 1670)	4.3	7.3	3.0	6.7	8.0	4.7	5.2
PRESIDIO (CNV)	1.7	7.5	4.7	6.7	6.3	4.7	5.2
PACESETTER II (PS-2)	3.7	6.5	4.7	4.0	8.0	4.0	5.1
PIZZAZZ	4.0	8.0	3.7	5.3	6.7	3.3	5.1
PROTEGE GLR	3.0	6.5	4.3	6.0	7.7	4.7	5.1
ZOOM (LCK)	4.0	6.0	4.7	5.3	7.3	4.7	5.1
CADDIESHACK II (JR-163)	4.7	6.2	4.3	4.3	7.3	4.7	5.1
ASP6001 (RTS)	2.7	7.8	3.3	7.0	7.7	4.3	5.1
LPR 02203	6.3	7.3	2.7	4.0	7.7	4.3	5.1
VB99	3.7	6.8	3.7	5.7	8.0	5.0	5.1
ASP6003 (TRS)	3.3	7.8	3.7	5.0	7.7	4.0	5.1
D04-LP05	3.0	8.2	3.7	6.7	5.7	4.0	5.1
PALMER IV	3.0	7.0	4.3	6.3	7.3	3.7	5.1
PINNACLE	6.3	7.2	3.7	3.0	6.3	3.7	5.1
PST-2AG4	2.7	7.0	4.3	6.7	6.3	4.3	5.1
REPELL GLS	3.7	6.7	4.7	5.3	5.3	4.7	5.1
GRAY FOX (PST-2MNG)	2.0	7.3	4.3	5.0	7.3	5.0	5.1
LINE DRIVE GLS (APR 1797)	4.0	7.0	4.0	6.0	5.0	4.0	5.1
BUENA VISTA	1.7	8.2	4.0	6.7	5.7	4.7	5.0
PINNACLE II	3.0	7.2	4.0	6.3	5.7	4.3	5.0
QUICKSILVER	3.3	6.8	3.7	7.3	7.7	4.0	5.0
ASP6006 (LPFG)	4.3	7.8	3.3	4.0	7.0	3.7	5.0
BREA (04-BRE)	2.0	6.8	4.3	6.3	7.3	4.3	5.0
BACCARAT (RAD-PR8)	3.7	7.0	4.3	4.3	6.3	3.7	5.0
BARLENNIUM	3.0	7.2	3.3	5.7	7.7	5.3	5.0
HAWKEYE 2 (SRX 4692)	2.7	7.0	4.3	4.3	7.7	4.3	5.0
RINGER II (04-BEN)	2.0	6.5	4.3	7.0	6.3	5.3	5.0
TR47	2.7	6.5	5.0	4.0	7.7	4.0	5.0
EDGE II (AC2)	3.0	7.3	4.0	6.3	6.0	3.7	4.9
GRAND SLAM 2 (PST-2GSM)	3.0	5.7	4.0	6.7	8.3	5.3	4.9
SUNSHINE 2	6.0	6.3	3.0	6.0	7.3	3.3	4.9
NEXUS XD (SP4)	2.0	7.2	4.3	5.7	7.3	3.7	4.9
NOTABLE (AF)	4.0	7.3	4.0	4.0	5.0	3.7	4.9
PALACE (IS-PR 273)	2.7	5.8	4.7	5.3	7.7	5.0	4.9
PARAGON GLR	2.3	5.7	5.3	5.0	6.0	4.7	4.9
PIANIST (DP 17-9505)	3.7	6.7	4.7	3.7	5.7	3.7	4.9

TABLE 30. (CONT'D) DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IL2	MA1	M01	NE1	OK1	VA1	MEAN
TRANSFORMER (D04-1667)	2.3	7.5	4.3	5.0	5.0	4.7	4.9
CALYPSO 3 (MS2)	2.7	6.3	4.3	5.3	7.3	4.3	4.8
FIJI (GPR)	2.7	6.3	4.0	6.0	7.7	5.0	4.8
ASP6002 (BPR)	3.0	7.2	3.7	4.0	7.0	4.7	4.8
HEADSTART 2	4.7	7.8	3.3	3.7	5.3	3.0	4.8
BAR LP 4317	3.0	6.2	4.0	4.0	8.0	4.3	4.8
SRX 4682	2.7	7.5	3.7	5.0	5.0	4.7	4.8
PALMER III	4.7	5.8	4.0	3.0	7.0	4.0	4.8
ASP6005 (AJM)	4.0	5.8	4.0	3.7	8.0	4.3	4.8
BAR LP 4920	5.0	6.8	3.7	2.3	6.0	4.0	4.7
NEXUS XR (SNR)	2.0	6.8	4.0	6.7	6.0	3.7	4.7
INSPIRE	3.3	6.3	4.0	4.3	5.3	4.3	4.7
OVERDRIVE	3.0	6.7	4.3	4.0	6.0	4.3	4.7
DELAWARE XL (PICK 01-2)	3.7	5.5	4.0	6.3	6.3	3.7	4.7
PLEASURE SUPREME (PM 103)	1.7	7.0	3.7	6.0	6.7	4.7	4.7
PREMIER II	3.0	6.8	3.0	6.7	5.7	5.0	4.7
SR 4600 (SRX 4SP)	3.0	6.7	4.0	2.3	6.0	5.0	4.7
PANTHER	4.0	7.0	3.3	4.7	4.7	4.0	4.6
ES45	2.7	7.0	3.0	6.0	7.0	4.0	4.6
MACH I	3.7	6.8	3.3	3.7	5.3	4.0	4.5
FIREBOLT (PRG HS-01-09)	3.0	6.8	3.0	4.3	7.0	3.7	4.4
PICK 02-R	2.7	7.7	2.7	4.3	7.7	2.7	4.4
APPLE GL (AAZ-B104)	2.7	6.8	3.7	3.0	5.0	4.0	4.4
PALMER V (RNS)	3.7	6.0	3.7	3.3	6.0	3.7	4.4
BAR LP 4420	2.3	7.0	2.7	3.7	7.7	4.3	4.4
GALATTI (DP 17-9502)	3.7	5.8	3.3	2.7	5.3	3.7	4.1
LINN	4.7	5.7	2.0	5.0	6.0	3.3	4.0
DP 17-9788	3.0	6.0	2.3	2.0	4.7	4.0	3.7
LSD VALUE	2.3	2.0	1.8	2.7	1.5	1.4	1.4
C.V. (%)	42.2	17.2	26.1	31.7	13.1	20.3	23.9

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

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

3/ DOLLAR SPOT RATED AT "IL2" IN 2009, AT "MA1" IN 2007 & 2009, AT "M01" IN 2006, AT "NE1", OK1" & "VA1" IN 2007.

TABLE 31. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MA1	MO1	NJ1	OR1	RI1	VA1	MEAN
PINNACLE	7.7	5.0	8.3	7.6	8.0	8.3	7.7
LINN	8.0	4.3	8.2	7.7	.	8.5	7.7
PREMIER	8.0	4.7	7.8	7.6	8.3	7.5	7.6
FIJI (GPR)	8.7	6.3	6.3	7.8	7.7	6.8	7.5
SILVER DOLLAR	8.0	6.0	6.5	7.6	8.3	8.0	7.4
PALMER GLS (GL-2)	8.7	5.7	7.2	6.9	7.7	7.5	7.4
PANTHER	8.3	6.0	8.2	6.1	8.0	7.7	7.4
PST-2BLK	8.0	5.7	6.8	7.7	6.7	7.2	7.4
DERBY XTREME (IS-PR 268)	8.7	5.7	6.8	7.8	7.3	6.3	7.3
PROTOTYPE (DCM)	9.0	5.7	8.2	6.8	8.0	6.5	7.3
BRIGHTSTAR SLT	7.7	4.3	6.8	7.4	7.3	7.8	7.3
HOMERUN (RG3P)	8.7	4.7	7.2	7.7	7.0	7.3	7.3
AFFINITY	9.0	5.0	7.3	7.2	8.3	6.7	7.3
DEFENDER (D04-UP)	9.0	5.7	7.8	7.0	7.7	6.0	7.2
GRAY STAR (PST-2LGL)	8.3	4.7	6.8	7.0	7.7	7.8	7.2
RINGER II (04-BEN)	8.7	5.0	7.5	7.4	7.0	6.3	7.2
AMAZING GS (IS-PR 276)	9.0	4.7	6.8	7.0	7.3	7.5	7.2
PST-2AG4	9.0	6.3	7.0	7.1	7.0	6.3	7.2
CITATION FORE	8.0	5.0	7.2	7.2	7.7	7.0	7.2
KEYSTONE 2 (IS-PR 312)	9.0	4.7	7.3	6.7	7.0	7.8	7.2
LS 2300 (APR 1670)	8.7	5.7	6.8	6.7	9.0	6.8	7.2
SR 4600 (SRX 4SP)	8.3	5.7	7.2	7.3	7.7	6.5	7.2
TRANSFORMER (D04-1667)	8.0	4.7	6.3	7.4	7.7	7.0	7.2
UNO (D04-11T)	8.3	6.0	6.5	7.6	7.3	6.7	7.2
NOTABLE (AF)	8.7	5.0	7.0	6.9	6.7	7.2	7.2
PRIMARY (IS-PR 269)	9.0	4.7	7.5	6.9	7.7	6.7	7.1
GALATTI (DP 17-9502)	8.7	5.7	7.5	6.3	6.3	7.5	7.1
BACCARAT (RAD-PR8)	8.0	4.7	6.3	7.1	7.7	7.2	7.1
GRAY FOX (PST-2MNG)	8.7	5.7	7.0	6.9	7.3	6.3	7.1
ASP6003 (TRS)	9.0	5.3	7.3	7.2	6.7	6.2	7.1
EXACTA II GLSR (LTP-611-GLSR)	7.0	6.7	6.5	6.9	6.3	7.5	7.1
LPR 02203	8.0	6.0	6.8	6.7	6.7	7.3	7.1
FUSION	8.7	5.3	5.8	7.2	5.3	7.3	7.1
HARRIER (SRX 4UP3)	8.3	5.7	7.0	6.4	7.7	6.8	7.1
PALACE (IS-PR 273)	8.0	3.3	7.8	7.4	6.7	6.5	7.1
WIND DANCE 2 (PWDR)	8.7	5.3	6.3	6.8	7.0	7.3	7.1
CALYPSO 3 (MS2)	8.3	3.7	7.0	7.4	5.7	7.2	7.1
FOREVER (DP 17-9499)	8.3	4.7	7.5	6.8	6.3	6.3	7.1
PST-217	8.3	4.3	6.3	7.1	8.3	6.5	7.1
ZOOM (LCK)	5.3	4.0	7.5	7.7	6.3	7.8	7.1
BARLENNIUM	8.7	5.0	6.5	6.6	8.3	6.3	7.0
HAWKEYE 2 (SRX 4692)	8.3	5.0	7.3	6.8	6.3	7.0	7.0
ALLSTAR 3 (IS-PR 274)	8.3	5.3	6.7	7.7	6.3	6.0	7.0
DART (APR 1663)	8.7	5.0	6.3	6.9	7.3	7.0	7.0
ATTRIBUTE (IS-PR 270)	8.3	4.7	6.2	7.7	8.3	5.7	7.0

TABLE 31. (CONT'D) RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MA1	MO1	NJ1	OR1	RI1	VA1	MEAN
PLEASURE SUPREME (PM 103)	8.0	4.7	7.8	6.7	7.3	6.3	7.0
ASP6006 (LPGF)	9.0	5.7	6.5	6.4	6.7	7.0	7.0
CHIVALRY (APR 1648)	6.0	6.0	6.5	7.2	7.3	7.7	7.0
GRAND SLAM 2 (PST-2GSM)	6.7	5.0	7.2	7.3	6.0	6.7	7.0
ASP6002 (BPR)	8.3	6.0	6.0	6.4	7.7	6.8	7.0
APPLE GL (AAZ-B104)	8.0	5.3	6.8	7.6	6.3	6.2	7.0
PALMER V (RNS)	7.3	5.3	7.3	6.9	5.3	7.0	6.9
SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	4.0	6.7	7.7	7.7	6.3	6.9
CABO II (IS-PR 233)	8.7	5.0	6.8	6.8	6.7	6.2	6.9
PIANIST (DP 17-9505)	8.3	4.7	6.5	6.6	7.7	7.5	6.9
OVERDRIVE	8.3	4.3	6.7	7.6	6.0	7.0	6.9
KOKOMO II (IS-PR 235)	9.0	3.7	6.7	7.1	6.3	6.5	6.9
LINE DRIVE GLS (APR 1797)	8.0	5.7	6.3	8.0	7.7	4.8	6.9
BUENA VISTA	8.3	5.0	6.3	7.2	6.3	6.5	6.9
E-99	7.0	4.3	6.8	7.3	6.3	6.7	6.9
REGAL 5 (IS-PR 271)	9.0	4.0	6.5	6.7	7.0	7.7	6.9
PALMER IV	9.0	4.3	6.2	7.3	6.3	6.2	6.9
FIESTA 4 (PICK F4)	8.7	5.0	6.3	7.2	6.3	6.2	6.9
MACH I	8.0	4.3	5.7	7.3	6.3	7.7	6.9
PANTHER GLS	7.7	5.0	6.8	6.9	7.0	6.3	6.9
PARAGON GLR	7.7	5.0	7.3	7.2	6.0	6.0	6.9
PENTIUM	7.0	5.0	6.5	7.0	7.0	7.0	6.9
HEADSTART 2	9.0	4.0	6.0	6.4	6.7	7.7	6.9
TR47	8.0	5.3	6.5	6.9	6.7	6.2	6.9
DASHER 3 (PICK RB-1)	8.0	7.3	6.3	6.7	6.0	6.8	6.9
MMW	8.3	6.0	4.8	6.8	7.3	6.8	6.9
PHENOM (APR 1660)	8.3	5.3	6.3	6.8	6.3	7.5	6.8
CADDIESHACK II (JR-163)	8.0	4.3	6.0	7.3	7.7	6.8	6.8
GOALKEEPER II (JR-114)	8.0	4.3	6.2	7.1	7.3	6.2	6.8
MAJESTY II (VB77)	7.7	4.7	6.5	7.0	7.7	6.7	6.8
PALMER III	7.0	3.7	6.0	7.1	7.0	7.3	6.8
PREMIER II	7.3	5.0	6.5	7.0	6.3	6.8	6.8
VB99	7.7	5.0	5.8	7.2	7.7	6.2	6.8
ACCENT II (JR-119)	7.7	6.0	6.3	6.3	8.7	5.8	6.8
D04-LP05	7.7	5.0	6.8	6.4	6.7	7.0	6.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.3	4.0	6.2	6.9	6.7	7.2	6.8
PICK 02-R	7.7	4.7	6.0	7.3	5.3	6.3	6.8
PLATEAU (PST-2LAN)	8.7	4.7	6.3	6.8	5.7	7.7	6.8
REVENGE GLX (JR-348)	9.0	5.0	6.2	6.3	7.3	6.7	6.8
STELLAR GL (IS-PR 236)	9.0	6.0	6.5	6.9	6.0	5.7	6.8
ASP6004 (EXS54)	7.7	5.7	7.3	6.0	7.0	6.8	6.8
FIREBOLT (PRG HS-01-09)	8.0	5.0	6.3	7.2	4.7	6.5	6.8
PRESIDIO (CNV)	9.0	5.3	5.3	6.4	6.3	7.8	6.8
NEXUS XR (SNR)	7.3	5.0	5.8	6.4	6.7	7.3	6.7
CUTTER II (PM 101)	7.7	3.3	5.5	7.3	6.3	7.5	6.7
PACESETTER II (PS-2)	8.0	5.7	6.5	6.7	5.0	6.2	6.7

TABLE 31. (CONT'D) RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

NAME	RED THREAD RATINGS 1-9; 9=NO DISEASE 2/ 3/						MEAN
	MA1	MO1	NJ1	OR1	RI1	VA1	
BREA (04-BRE)	8.7	5.0	6.5	6.2	6.3	6.8	6.7
LA QUINTA (JR-255)	8.7	3.7	5.3	7.0	6.7	6.8	6.7
SRX 4682	8.3	4.7	5.5	6.3	7.0	7.0	6.7
EDGE II (AC2)	8.7	5.0	6.8	6.7	7.0	6.2	6.7
MANHATTAN 5 GLR (PST-2AM)	8.3	3.7	7.2	7.0	6.3	5.3	6.7
SUNSHINE 2	8.3	6.0	5.5	7.1	5.0	6.7	6.7
DP 17-9788	4.3	5.3	6.5	7.0	6.7	7.0	6.7
INSPIRE	6.3	4.0	7.3	6.9	7.3	6.2	6.6
1G SQUARED (APR 1664)	8.0	4.0	6.2	6.9	6.0	6.5	6.6
QUICKSILVER	7.0	3.0	5.7	6.9	8.0	6.7	6.6
PM 102	8.0	5.7	6.3	6.2	6.7	6.5	6.6
TOP GUN II (JR-324)	7.3	6.0	5.0	6.4	7.7	6.5	6.6
REPELL GLS	7.0	4.7	6.5	7.1	4.7	6.5	6.6
BAR LP 4420	8.0	5.3	5.8	6.6	7.0	6.5	6.5
NEXUS XD (SP4)	6.0	5.0	6.8	6.3	5.0	7.5	6.5
PIZZAZZ	8.7	4.7	7.2	6.2	6.3	5.7	6.5
PROTEGE GLR	7.0	6.0	5.2	7.3	4.7	6.2	6.5
PINNACLE II	9.0	4.7	6.3	5.7	8.0	7.3	6.5
HALO (KN42)	8.7	5.0	4.8	6.6	7.0	6.7	6.5
DELAWARE XL (PICK 01-2)	5.7	5.0	6.3	6.3	8.3	6.0	6.4
WAYFARER (L44)	8.0	4.0	5.7	6.6	6.7	6.0	6.4
ASP6001 (RTS)	7.3	4.3	5.7	6.2	6.0	6.8	6.4
BAR LP 4317	4.7	5.3	6.2	6.1	8.3	6.8	6.4
BAR LP 4920	5.7	4.0	6.5	6.2	6.7	7.3	6.3
MONTEREY 3 (JR-408)	8.0	4.0	4.5	7.0	5.7	6.5	6.3
SOPRANO (DP1)	8.7	4.7	6.0	6.3	5.7	5.8	6.3
ES45	8.3	4.0	5.3	6.1	6.0	5.3	6.2
ASP6005 (AJM)	7.3	4.0	5.8	6.2	5.3	5.8	6.0
LSD VALUE	1.9	2.1	2.8	1.9	2.9	2.5	1.7
C.V. (%)	14.6	25.8	26.8	17.9	26.3	22.8	21.2

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

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

3/ RED THREAD RATED AT "MA1" & "MO1" IN 2009, AT "NJ1" IN 2007-08, AT "OR1" IN 2005-07, AT "RI1" IN 2006, AND AT "VA1" IN 2007-08.

TABLE 32. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MA1	MO1	NE1	PA1	VA1	MEAN
CUTTER II (PM 101)	8.3	6.7	7.7	7.0	5.3	6.9
ZOOM (LCK)	8.2	6.0	8.3	6.7	5.0	6.9
PIZZAZZ	7.5	5.3	7.0	6.3	7.7	6.8
REGAL 5 (IS-PR 271)	6.7	5.5	8.3	7.7	6.3	6.8
CITATION FORE	7.7	5.8	8.0	8.0	5.0	6.8
PINNACLE II	8.0	5.0	7.3	6.7	6.7	6.8
MACH I	7.7	4.8	8.0	7.0	6.3	6.8
PM 102	7.7	5.8	6.7	7.3	6.7	6.8
TRANSFORMER (D04-1667)	8.5	5.0	8.0	8.3	5.0	6.7
FIJI (GPR)	8.3	6.3	7.3	7.0	4.7	6.6
PANTHER	7.8	4.5	7.7	7.7	6.0	6.6
DASHER 3 (PICK RB-1)	7.7	5.0	6.7	7.7	6.7	6.6
PACESETTER II (PS-2)	7.7	6.0	7.7	6.3	5.3	6.6
AFFINITY	8.2	4.5	7.3	6.7	6.3	6.6
PREMIER	8.5	4.0	8.0	7.3	5.3	6.5
PIANIST (DP 17-9505)	7.8	5.2	7.0	7.7	5.7	6.5
GALATTI (DP 17-9502)	7.5	4.8	7.7	6.7	5.7	6.5
PALMER III	7.3	3.8	7.7	6.0	7.0	6.5
HOMERUN (RG3P)	8.0	5.7	8.0	6.7	4.0	6.4
VB99	8.5	5.7	5.7	7.0	6.0	6.4
PALMER V (RNS)	7.8	6.5	6.3	7.3	5.0	6.4
UNO (D04-11T)	7.3	5.5	7.0	8.3	5.3	6.4
HAWKEYE 2 (SRX 4692)	7.3	4.5	7.7	7.0	5.7	6.4
1G SQUARED (APR 1664)	7.5	4.5	7.7	7.7	5.3	6.4
CHIVALRY (APR 1648)	7.8	6.5	7.3	7.0	4.0	6.4
DEFENDER (D04-UP)	7.8	4.8	7.0	7.7	5.3	6.4
FUSION	8.2	5.0	8.0	6.3	4.3	6.3
SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	6.2	7.3	6.7	4.7	6.3
ASP6003 (TRS)	7.7	5.0	7.0	7.3	5.3	6.3
SRX 4682	7.3	6.0	7.0	7.3	4.7	6.3
PROTOTYPE (DCM)	7.7	6.2	8.3	6.7	3.0	6.3
PRESIDIO (CNV)	7.5	5.8	7.0	7.3	4.7	6.3
PENTIUM	7.7	5.2	7.7	8.0	4.0	6.3
BAR LP 4317	7.7	5.0	6.0	6.7	6.3	6.2
DELAWARE XL (PICK 01-2)	7.8	5.8	5.3	7.0	6.0	6.2
FOREVER (DP 17-9499)	8.0	5.5	5.7	6.0	6.0	6.2
DERBY XTREME (IS-PR 268)	8.2	6.2	5.7	7.7	4.7	6.2
TOP GUN II (JR-324)	8.2	5.7	6.3	7.0	4.7	6.2
ASP6004 (EXS54)	7.8	5.5	7.3	7.7	3.7	6.2
DP 17-9788	8.0	5.7	6.3	8.0	4.3	6.2
MONTEREY 3 (JR-408)	7.3	6.3	7.3	7.0	3.7	6.2
PROTEGE GLR	7.5	4.3	7.0	6.7	5.7	6.2
INSPIRE	7.7	4.5	7.3	6.7	5.0	6.2
SOPRANO (DP1)	6.8	5.5	6.7	7.3	5.0	6.1
CADDIESHACK II (JR-163)	8.3	5.7	7.7	6.3	3.0	6.1

TABLE 32. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MA1	MO1	NE1	PA1	VA1	MEAN
GRAY STAR (PST-2LGL)	8.2	5.3	7.3	7.3	3.3	6.1
BRIGHTSTAR SLT	7.7	5.3	7.3	6.7	4.0	6.1
DART (APR 1663)	7.7	5.2	7.3	7.0	4.0	6.1
NEXUS XR (SNR)	8.0	5.5	6.7	6.3	4.3	6.1
HALO (KN42)	7.3	5.0	6.0	7.3	5.7	6.1
PICK 02-R	7.0	5.2	5.0	6.0	7.0	6.1
PREMIER II	7.8	5.3	6.3	6.0	5.0	6.1
FIESTA 4 (PICK F4)	7.7	4.8	8.0	7.3	3.3	6.0
OVERDRIVE	7.5	5.8	6.0	6.3	5.0	6.0
FIREBOLT (PRG HS-01-09)	7.8	5.8	6.3	6.7	4.0	6.0
ALLSTAR 3 (IS-PR 274)	8.0	6.2	6.7	7.0	3.3	6.0
AMAZING GS (IS-PR 276)	8.0	4.7	7.3	7.7	3.7	6.0
MAJESTY II (VB77)	7.7	6.3	6.0	6.0	4.3	6.0
WAYFARER (L44)	6.8	4.5	7.0	8.0	5.0	6.0
HARRIER (SRX 4UP3)	7.0	5.0	7.0	8.0	4.3	6.0
BARLENNIUM	6.8	5.5	7.0	7.3	4.3	6.0
NOTABLE (AF)	7.0	6.0	6.3	7.0	4.3	6.0
KEYSTONE 2 (IS-PR 312)	7.5	5.2	6.7	6.3	4.3	5.9
PINNACLE	8.0	4.0	7.3	6.7	4.0	5.9
E-99	8.2	5.5	7.3	7.0	2.7	5.9
D04-LP05	7.5	4.7	7.3	6.7	4.0	5.9
LA QUINTA (JR-255)	6.7	5.8	8.0	6.3	3.0	5.9
PST-217	8.0	5.5	7.0	7.7	2.7	5.9
BAR LP 4420	6.7	5.8	4.7	5.7	6.7	5.8
BAR LP 4920	8.2	4.3	5.3	6.3	5.7	5.8
PALMER GLS (GL-2)	7.3	5.3	8.3	6.0	2.3	5.8
BREA (04-BRE)	7.3	5.3	5.0	6.7	5.7	5.8
HEADSTART 2	7.7	5.2	4.7	7.7	5.3	5.8
WIND DANCE 2 (PWDR)	7.8	5.2	5.7	8.0	4.3	5.8
ASP6006 (LPFG)	7.3	4.7	7.7	6.7	3.7	5.8
STELLAR GL (IS-PR 236)	6.8	6.2	6.3	6.0	4.3	5.8
BACCARAT (RAD-PR8)	7.3	5.5	6.7	7.0	3.7	5.8
PST-2BLK	7.7	4.7	8.3	5.7	2.7	5.8
APPLE GL (AAZ-B104)	7.5	5.7	6.0	6.7	4.0	5.8
SILVER DOLLAR	8.0	5.2	6.7	8.3	2.7	5.8
ASP6002 (BPR)	7.3	5.7	6.3	6.7	3.7	5.8
PALACE (IS-PR 273)	8.0	6.3	4.0	6.7	5.0	5.8
CALYPSO 3 (MS2)	7.7	5.8	5.7	6.7	3.7	5.7
EDGE II (AC2)	6.5	6.8	5.3	7.0	4.3	5.7
GRAND SLAM 2 (PST-2GSM)	7.7	5.8	6.0	7.0	3.3	5.7
SUNSHINE 2	7.7	5.3	5.3	6.7	4.7	5.7
LS 2300 (APR 1670)	8.2	5.3	6.3	6.7	3.0	5.7
REPELL GLS	7.2	4.5	7.0	6.0	4.0	5.7
LINE DRIVE GLS (APR 1797)	7.0	6.5	4.0	7.3	5.3	5.7
PLEASURE SUPREME (PM 103)	7.8	5.2	5.3	7.0	4.3	5.7
PRIMARY (IS-PR 269)	7.0	6.3	6.7	6.7	2.7	5.7

TABLE 32. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

NAME	BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ 3/					MEAN
	MA1	M01	NE1	PA1	VA1	
ACCENT II (JR-119)	8.2	6.2	4.7	6.3	4.0	5.7
PARAGON GLR	7.7	5.0	5.7	6.7	4.3	5.7
ATTRIBUTE (IS-PR 270)	7.2	6.2	6.3	8.0	2.7	5.7
GRAY FOX (PST-2MNG)	7.5	4.8	7.7	6.7	2.3	5.7
PANTHER GLS	8.2	6.7	5.0	6.3	3.0	5.6
PST-2AG4	7.3	5.8	5.7	7.7	3.3	5.6
GOALKEEPER II (JR-114)	7.0	5.5	7.0	6.7	3.0	5.6
MMW	8.2	5.3	5.0	7.0	3.7	5.6
ASP6005 (AJM)	8.0	5.3	5.3	5.7	4.0	5.6
SR 4600 (SRX 4SP)	7.7	4.5	5.7	7.0	4.0	5.6
RINGER II (04-BEN)	7.5	5.2	5.3	7.3	4.0	5.5
REVENGE GLX (JR-348)	6.8	5.8	5.3	7.0	4.0	5.5
BUENA VISTA	6.8	5.5	7.3	7.0	2.0	5.5
NEXUS XD (SP4)	7.3	5.0	4.0	7.0	5.3	5.4
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.2	6.0	5.0	7.0	3.3	5.4
PLATEAU (PST-2LAN)	7.3	5.5	5.7	6.0	3.3	5.4
EXACTA II GLSR (LTP-611-GLSR)	7.7	4.8	6.0	6.7	3.0	5.4
KOKOMO II (IS-PR 235)	7.8	5.7	5.7	6.7	2.3	5.4
LPR 02203	6.8	4.2	6.0	7.0	4.3	5.4
CABO II (IS-PR 233)	7.5	5.0	5.0	7.3	3.7	5.4
PHENOM (APR 1660)	7.3	5.0	5.0	6.7	4.0	5.4
TR47	7.3	4.3	6.3	7.3	3.0	5.4
MANHATTAN 5 GLR (PST-2AM)	7.7	5.5	5.0	7.0	3.0	5.4
ES45	7.5	5.2	5.0	6.7	3.3	5.3
ASP6001 (RTS)	7.0	5.7	4.0	6.7	4.3	5.2
QUICKSILVER	7.0	5.2	5.7	6.0	3.0	5.1
PALMER IV	7.3	5.0	3.0	6.3	4.3	4.9
LINN	6.8	3.3	4.7	4.3	5.0	4.9
LSD VALUE	1.2	1.9	3.2	2.2	2.9	2.1
C.V. (%)	10.3	22.7	30.8	19.5	40.5	26.1

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

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

3/ BROWN PATCH RATED AT "MA1" & "M01" IN 2005 & 2008, AT "NE1" IN 2006, AT "PA1" IN 2005, AND AT "VA1" IN 2009.

TABLE 33.

PYTHIUM BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MA1	NAME	MA1
STELLAR GL (IS-PR 236)	9.0	CABO II (IS-PR 233)	8.0
AFFINITY	8.7	CADDIESHACK II (JR-163)	8.0
ASP6003 (TRS)	8.7	CITATION FORE	8.0
CHIVALRY (APR 1648)	8.7	EDGE II (AC2)	8.0
EXACTA II GLSR (LTP-611-GLSR)	8.7	FIJI (GPR)	8.0
FIREBOLT (PRG HS-01-09)	8.7	GOALKEEPER II (JR-114)	8.0
GRAY STAR (PST-2LGL)	8.7	GRAY FOX (PST-2MNG)	8.0
KEYSTONE 2 (IS-PR 312)	8.7	HOMERUN (RG3P)	8.0
PANTHER GLS	8.7	LINE DRIVE GLS (APR 1797)	8.0
PINNACLE II	8.7	LPR 02203	8.0
PREMIER	8.7	MANHATTAN 5 GLR (PST-2AM)	8.0
PST-217	8.7	MMW	8.0
TOP GUN II (JR-324)	8.7	PACESETTER II (PS-2)	8.0
TRANSFORMER (D04-1667)	8.7	PALMER GLS (GL-2)	8.0
ACCENT II (JR-119)	8.3	PALMER III	8.0
AMAZING GS (IS-PR 276)	8.3	PHENOM (APR 1660)	8.0
APPLE GL (AAZ-B104)	8.3	PIANIST (DP 17-9505)	8.0
ASP6004 (EXS54)	8.3	PINNACLE	8.0
ASP6006 (LPGF)	8.3	PIZZAZZ	8.0
BAR LP 4420	8.3	PLEASURE SUPREME (PM 103)	8.0
BAR LP 4920	8.3	PROTEGE GLR	8.0
BARLENNIUM	8.3	REVENGE GLX (JR-348)	8.0
CALYPSO 3 (MS2)	8.3	SECRETARIAT II GLSR (LTP-101-GLSR)	8.0
D04-LP05	8.3	SR 4600 (SRX 4SP)	8.0
DART (APR 1663)	8.3	SRX 4682	8.0
DELAWARE XL (PICK 01-2)	8.3	TR47	8.0
DERBY XTREME (IS-PR 268)	8.3	UNO (D04-11T)	8.0
FUSION	8.3	WIND DANCE 2 (PWDR)	8.0
HEADSTART 2	8.3	ALLSTAR 3 (IS-PR 274)	7.7
LS 2300 (APR 1670)	8.3	ASP6005 (AJM)	7.7
MACH I	8.3	CUTTER II (PM 101)	7.7
NEXUS XR (SNR)	8.3	DASHER 3 (PICK RB-1)	7.7
OVERDRIVE	8.3	DP 17-9788	7.7
PALMER V (RNS)	8.3	E-99	7.7
PICK 02-R	8.3	FIESTA 4 (PICK F4)	7.7
PREMIER II	8.3	FOREVER (DP 17-9499)	7.7
QUICKSILVER	8.3	GRAND SLAM 2 (PST-2GSM)	7.7
SILVER DOLLAR	8.3	HALO (KN42)	7.7
VB99	8.3	INSPIRE	7.7
ZOOM (LCK)	8.3	MONTEREY 3 (JR-408)	7.7
ATTRIBUTE (IS-PR 270)	8.0	NEXUS XD (SP4)	7.7
BACCARAT (RAD-PR8)	8.0	PANTHER	7.7
BAR LP 4317	8.0	PENTIUM	7.7
BRIGHTSTAR SLT	8.0	PLATEAU (PST-2LAN)	7.7
BUENA VISTA	8.0	REPELL GLS	7.7
		RINGER II (04-BEN)	7.7

TABLE 33. PYTHIUM BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MA1
1G SQUARED (APR 1664)	7.3
ASP6001 (RTS)	7.3
DEFENDER (D04-UP)	7.3
ES45	7.3
GALATTI (DP 17-9502)	7.3
HARRIER (SRX 4UP3)	7.3
HAWKEYE 2 (SRX 4692)	7.3
PALMER IV	7.3
PARAGON GLR	7.3
PRESIDIO (CNV)	7.3
PST-2AG4	7.3
PST-2BLK	7.3
REGAL 5 (IS-PR 271)	7.3
SUNSHINE 2	7.3
BREA (04-BRE)	7.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.0
LA QUINTA (JR-255)	7.0
MAJESTY II (VB77)	7.0
NOTABLE (AF)	7.0
PALACE (IS-PR 273)	7.0
SOPRANO (DP1)	7.0
WAYFARER (L44)	7.0
LINN	6.7
PM 102	6.7
ASP6002 (BPR)	6.3
KOKOMO II (IS-PR 235)	6.3
PRIMARY (IS-PR 269)	6.3
PROTOTYPE (DCM)	5.7
LSD VALUE	1.1
C.V. (%)	8.8

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

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

3/ PYTHIUM BLIGHT RATED IN 2005 ONLY.

TABLE 34.

CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	MN1	RI1	MEAN	NAME	MN1	RI1	MEAN
LINN	.	7.3	7.3	TR47	6.0	5.3	5.7
APPLE GL (AAZ-B104)	8.0	5.7	6.8	UNO (D04-11T)	7.0	4.3	5.7
CHIVALRY (APR 1648)	7.7	6.0	6.8	ASP6004 (EXS54)	6.7	4.3	5.5
QUICKSILVER	8.0	5.7	6.8	CUTTER II (PM 101)	5.3	5.7	5.5
PALACE (IS-PR 273)	8.3	5.0	6.7	DEFENDER (D04-UP)	7.0	4.0	5.5
PALMER IV	8.0	5.3	6.7	MACH I	6.3	4.7	5.5
AMAZING GS (IS-PR 276)	8.0	5.0	6.5	PALMER GLS (GL-2)	8.0	3.0	5.5
EXACTA II GLSR (LTP-611-GLSR)	7.7	5.3	6.5	SUNSHINE 2	5.7	5.3	5.5
ALLSTAR 3 (IS-PR 274)	8.0	4.7	6.3	ASP6002 (BPR)	5.7	5.0	5.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	5.0	6.3	ATTRIBUTE (IS-PR 270)	6.7	4.0	5.3
DASHER 3 (PICK RB-1)	7.7	5.0	6.3	FUSION	5.0	5.7	5.3
PROTEGE GLR	7.0	5.7	6.3	GRAND SLAM 2 (PST-2GSM)	6.0	4.7	5.3
KOKOMO II (IS-PR 235)	7.3	5.3	6.3	BAR LP 4920	5.3	5.3	5.3
FIJI (GPR)	6.7	5.7	6.2	KEYSTONE 2 (IS-PR 312)	7.3	3.3	5.3
MMW	7.7	4.7	6.2	MONTEREY 3 (JR-408)	5.3	5.3	5.3
SOPRANO (DP1)	7.7	4.7	6.2	NEXUS XR (SNR)	6.3	4.3	5.3
MAJESTY II (VB77)	7.0	5.3	6.2	OVERDRIVE	5.3	5.3	5.3
REGAL 5 (IS-PR 271)	7.3	5.0	6.2	PST-217	6.3	4.3	5.3
STELLAR GL (IS-PR 236)	8.0	4.3	6.2	WIND DANCE 2 (PWDR)	5.3	5.3	5.3
ASP6006 (LPFG)	6.7	5.3	6.0	PACESETTER II (PS-2)	4.7	5.7	5.2
BUENA VISTA	7.0	5.0	6.0	PM 102	4.7	5.7	5.2
DERBY XTREME (IS-PR 268)	7.3	4.7	6.0	REPELL GLS	6.7	3.7	5.2
PRIMARY (IS-PR 269)	6.7	5.3	6.0	CITATION FORE	6.0	4.3	5.2
PROTOTYPE (DCM)	7.0	5.0	6.0	FOREVER (DP 17-9499)	5.0	5.3	5.2
SECRETARIAT II GLSR (LTP-101-GLSR)	7.0	5.0	6.0	GRAY STAR (PST-2LGL)	5.0	5.3	5.2
HARRIER (SRX 4UP3)	7.7	4.0	5.8	PST-2BLK	6.3	4.0	5.2
NOTABLE (AF)	7.7	4.0	5.8	ASP6005 (AJM)	5.3	4.7	5.0
PALMER V (RNS)	7.7	4.0	5.8	EDGE II (AC2)	5.7	4.3	5.0
PARAGON GLR	7.7	4.0	5.8	ES45	4.7	5.3	5.0
PST-2AG4	6.7	5.0	5.8	LA QUINTA (JR-255)	5.0	5.0	5.0
GRAY FOX (PST-2MNG)	6.3	5.3	5.8	PINNACLE II	5.7	4.3	5.0
HALO (KN42)	5.3	6.3	5.8	SILVER DOLLAR	5.3	4.7	5.0
HOMERUN (RG3P)	7.3	4.3	5.8	WAYFARER (L44)	5.0	5.0	5.0
PRESIDIO (CNV)	6.3	5.3	5.8	ASP6003 (TRS)	5.0	4.7	4.8
SR 4600 (SRX 4SP)	7.3	4.3	5.8	BAR LP 4420	4.7	5.0	4.8
ZOOM (LCK)	7.3	4.3	5.8	PHENOM (APR 1660)	5.7	4.0	4.8
CABO II (IS-PR 233)	6.7	4.7	5.7	PICK 02-R	5.7	4.0	4.8
PIZZAZZ	6.7	4.7	5.7	TRANSFORMER (D04-1667)	5.7	4.0	4.8
1G SQUARED (APR 1664)	7.3	4.0	5.7	CALYPSO 3 (MS2)	5.3	4.3	4.8
D04-LP05	6.3	5.0	5.7	BACCARAT (RAD-PR8)	4.7	4.7	4.7
DART (APR 1663)	6.3	5.0	5.7	PANTHER GLS	6.0	3.3	4.7
FIESTA 4 (PICK F4)	7.0	4.3	5.7	REVENGE GLX (JR-348)	6.0	3.3	4.7
MANHATTAN 5 GLR (PST-2AM)	7.3	4.0	5.7	VB99	4.7	4.7	4.7
NEXUS XD (SP4)	5.3	6.0	5.7	DELAWARE XL (PICK 01-2)	4.3	5.0	4.7
PLATEAU (PST-2LAN)	6.3	5.0	5.7	PALMER III	4.3	5.0	4.7
				PLEASURE SUPREME (PM 103)	5.0	4.3	4.7

TABLE 34. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

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

NAME	MN1	RI1	MEAN
ASP6001 (RTS)	3.7	5.3	4.5
BREA (04-BRE)	5.0	4.0	4.5
GALATTI (DP 17-9502)	4.3	4.7	4.5
HEADSTART 2	4.0	4.7	4.3
INSPIRE	4.0	4.7	4.3
BRIGHTSTAR SLT	3.7	5.0	4.3
FIREBOLT (PRG HS-01-09)	3.3	5.0	4.2
LINE DRIVE GLS (APR 1797)	5.0	3.3	4.2
PIANIST (DP 17-9505)	3.7	4.7	4.2
PENTIUM	4.7	3.3	4.0
RINGER II (04-BEN)	4.7	3.3	4.0
SRX 4682	3.7	4.3	4.0
TOP GUN II (JR-324)	3.3	4.7	4.0
LPR 02203	1.7	6.0	3.8
ACCENT II (JR-119)	2.7	5.0	3.8
CADDIESHACK II (JR-163)	3.3	4.3	3.8
E-99	3.7	4.0	3.8
GOALKEEPER II (JR-114)	2.3	5.3	3.8
LS 2300 (APR 1670)	4.0	3.3	3.7
BAR LP 4317	3.7	3.3	3.5
BARLENNIUM	3.3	3.7	3.5
DP 17-9788	3.3	3.7	3.5
PINNACLE	1.3	5.7	3.5
PREMIER	1.7	4.7	3.2
PREMIER II	2.3	4.0	3.2
PANTHER	1.3	5.0	3.2
AFFINITY	1.0	4.7	2.8
HAWKEYE 2 (SRX 4692)	2.3	3.3	2.8
LSD VALUE	1.7	1.9	1.8
C.V. (%)	18.8	24.5	21.6

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

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

3/ CROWN RUST RATED AT "MN1" IN 2008, AND AT "RI1" IN 2005.

TABLE 35. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	IN1	MD1	MD2	NJ1	NJ2	MEAN
FIESTA 4 (PICK F4)	9.0	9.0	9.0	9.0	8.7	9.0
EXACTA II GLSR (LTP-611-GLSR)	9.0	9.0	8.7	9.0	9.0	8.9
SOPRANO (DP1)	9.0	9.0	9.0	8.7	8.7	8.9
SR 4600 (SRX 4SP)	9.0	9.0	9.0	8.7	8.7	8.9
DASHER 3 (PICK RB-1)	9.0	9.0	8.7	8.7	9.0	8.9
DEFENDER (D04-UP)	9.0	9.0	8.7	9.0	8.7	8.9
ALLSTAR 3 (IS-PR 274)	9.0	9.0	8.7	8.7	8.7	8.9
MMW	9.0	9.0	8.7	9.0	7.7	8.8
APPLE GL (AAZ-B104)	9.0	9.0	8.3	8.3	8.7	8.8
DART (APR 1663)	9.0	9.0	9.0	8.3	7.0	8.7
LINE DRIVE GLS (APR 1797)	9.0	9.0	8.7	7.3	8.0	8.6
UNO (D04-11T)	8.3	9.0	8.7	8.0	7.7	8.6
1G SQUARED (APR 1664)	8.3	8.8	8.3	8.7	8.0	8.6
PARAGON GLR	9.0	8.8	8.3	7.7	8.0	8.5
REVENGE GLX (JR-348)	9.0	9.0	8.7	6.3	7.7	8.5
ATTRIBUTE (IS-PR 270)	9.0	8.8	8.3	8.0	7.3	8.5
PALMER V (RNS)	8.3	9.0	9.0	6.7	7.3	8.5
HARRIER (SRX 4UP3)	9.0	8.5	8.7	8.0	8.0	8.4
NOTABLE (AF)	7.7	8.5	9.0	8.3	8.0	8.4
PROTEGE GLR	9.0	8.7	7.7	8.7	8.3	8.4
TRANSFORMER (D04-1667)	9.0	8.8	8.7	7.7	6.3	8.4
STELLAR GL (IS-PR 236)	9.0	8.7	8.7	7.7	7.3	8.4
PALMER GLS (GL-2)	8.3	8.7	8.7	7.3	8.0	8.4
DERBY XTREME (IS-PR 268)	9.0	8.5	8.7	7.7	7.7	8.4
PHENOM (APR 1660)	9.0	8.3	8.7	8.0	7.7	8.4
REPELL GLS	9.0	8.5	8.7	7.3	7.3	8.4
SRX 4682	8.3	8.8	9.0	7.3	6.3	8.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	9.0	8.8	8.0	7.3	7.0	8.3
REGAL 5 (IS-PR 271)	9.0	8.5	8.7	6.7	7.7	8.3
LS 2300 (APR 1670)	8.3	9.0	8.3	6.7	6.3	8.3
PALMER IV	9.0	8.8	8.0	7.0	6.7	8.2
AMAZING GS (IS-PR 276)	9.0	8.7	8.7	6.0	7.0	8.2
PALACE (IS-PR 273)	9.0	8.5	8.3	6.3	7.7	8.2
FUSION	8.3	8.8	8.3	6.3	6.7	8.1
SECRETARIAT II GLSR (LTP-101-GLSR)	9.0	8.5	8.0	7.0	7.3	8.1
PANTHER GLS	9.0	8.5	7.7	7.7	7.0	8.1
HAWKEYE 2 (SRX 4692)	9.0	9.0	8.7	6.0	4.7	8.1
GRAND SLAM 2 (PST-2GSM)	9.0	9.0	8.7	4.7	5.7	8.1
MANHATTAN 5 GLR (PST-2AM)	9.0	8.2	8.7	7.7	6.3	8.1
PRIMARY (IS-PR 269)	8.3	8.3	9.0	6.0	7.0	8.0
KOKOMO II (IS-PR 235)	9.0	8.2	8.0	7.0	7.3	8.0
HOMERUN (RG3P)	8.3	8.2	8.0	6.3	7.0	7.8
GRAY FOX (PST-2MNG)	9.0	8.5	8.3	5.0	5.3	7.8
ZOOM (LCK)	9.0	7.8	8.7	5.3	7.0	7.8
PST-2AG4	8.3	8.2	8.7	6.0	5.3	7.7

TABLE 35. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

NAME	GRAY LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/					
	IN1	MD1	MD2	NJ1	NJ2	MEAN
KEYSTONE 2 (IS-PR 312)	9.0	7.8	9.0	4.7	6.7	7.7
SILVER DOLLAR	9.0	8.3	8.3	4.0	6.3	7.7
PLATEAU (PST-2LAN)	9.0	8.7	8.7	3.3	4.3	7.6
GRAY STAR (PST-2LGL)	9.0	8.5	8.3	4.3	4.3	7.6
CABO II (IS-PR 233)	9.0	7.2	8.7	6.0	6.3	7.4
BUENA VISTA	9.0	7.5	8.0	5.3	6.3	7.4
RINGER II (04-BEN)	9.0	7.8	8.0	5.3	4.7	7.4
EDGE II (AC2)	9.0	7.8	7.7	4.7	5.3	7.4
NEXUS XD (SP4)	9.0	8.5	8.7	3.3	3.0	7.4
VB99	9.0	8.2	8.3	4.0	3.7	7.4
PLEASURE SUPREME (PM 103)	8.3	8.5	7.7	3.3	4.7	7.3
PST-2BLK	9.0	8.5	8.0	3.0	3.7	7.3
PM 102	8.3	8.3	8.0	2.7	4.3	7.2
ES45	9.0	7.8	7.7	5.0	4.0	7.2
ASP6004 (EXS54)	8.3	8.0	8.3	3.7	3.7	7.1
BREA (04-BRE)	8.3	7.2	8.0	6.3	5.0	7.1
PIANIST (DP 17-9505)	8.3	8.8	8.0	2.0	2.3	7.1
CITATION FORE	8.3	7.8	8.0	3.3	4.3	7.1
PRESIDIO (CNV)	9.0	7.5	9.0	3.7	3.3	7.1
FIJI (GPR)	9.0	7.5	8.7	3.3	3.3	7.0
PST-217	9.0	7.2	9.0	3.7	4.0	7.0
HALO (KN42)	8.3	7.7	9.0	3.0	2.7	6.9
PROTOTYPE (DCM)	9.0	7.0	8.3	4.0	5.0	6.9
MAJESTY II (VB77)	9.0	7.0	8.7	4.0	4.3	6.9
NEXUS XR (SNR)	8.3	7.7	8.0	3.3	4.0	6.9
E-99	9.0	7.5	8.0	3.0	4.0	6.9
TR47	9.0	8.0	7.3	3.3	3.0	6.9
OVERDRIVE	9.0	7.2	8.7	4.0	3.3	6.9
DP 17-9788	8.3	8.2	7.0	2.7	3.7	6.9
ASP6006 (LPFG)	9.0	7.2	7.3	4.7	4.0	6.7
QUICKSILVER	9.0	7.7	7.7	2.7	3.0	6.7
D04-LP05	9.0	7.8	7.3	2.0	2.7	6.7
ASP6002 (BPR)	8.3	7.0	8.3	4.0	3.3	6.7
WIND DANCE 2 (PWDR)	9.0	7.3	7.7	3.7	3.0	6.7
FOREVER (DP 17-9499)	7.7	7.7	8.0	2.3	3.3	6.6
WAYFARER (L44)	9.0	7.3	7.0	4.0	2.7	6.6
DELAWARE XL (PICK 01-2)	9.0	6.8	8.0	3.0	4.0	6.6
PALMER III	9.0	7.8	6.7	1.7	3.3	6.6
PENTIUM	8.3	6.8	8.7	3.0	3.7	6.6
BACCARAT (RAD-PR8)	9.0	6.5	7.7	4.0	4.3	6.5
CALYPSO 3 (MS2)	9.0	6.5	6.7	4.0	5.3	6.4
MONTEREY 3 (JR-408)	9.0	7.2	7.3	2.0	3.3	6.4
ASP6001 (RTS)	9.0	6.3	9.0	2.7	2.3	6.3
ACCENT II (JR-119)	9.0	7.0	7.0	2.7	3.0	6.3
LA QUINTA (JR-255)	9.0	6.8	7.3	2.3	3.3	6.3
BAR LP 4317	9.0	6.5	7.7	3.0	3.3	6.3

TABLE 35. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

NAME	GRAY LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/					
	IN1	MD1	MD2	NJ1	NJ2	MEAN
ASP6005 (AJM)	9.0	6.5	7.3	4.0	2.7	6.2
ASP6003 (TRS)	9.0	6.3	8.0	2.7	3.3	6.2
BARLENNIUM	8.3	6.8	8.3	2.0	1.7	6.2
BAR LP 4420	8.3	6.0	7.7	3.7	4.3	6.1
INSPIRE	9.0	6.5	8.7	2.0	1.7	6.1
GALATTI (DP 17-9502)	7.0	6.8	7.0	2.0	4.3	6.1
PREMIER	4.3	8.2	6.0	2.3	3.0	6.1
BRIGHTSTAR SLT	7.7	6.7	7.7	1.7	3.0	6.0
AFFINITY	8.3	6.8	6.3	2.0	3.3	6.0
PIZZAZZ	8.3	6.3	6.3	2.7	4.0	5.9
CADDIESHACK II (JR-163)	9.0	6.2	8.0	2.0	1.7	5.9
PINNACLE II	9.0	5.7	6.7	2.7	3.7	5.7
FIREBOLT (PRG HS-01-09)	8.3	5.2	7.3	3.0	4.0	5.6
TOP GUN II (JR-324)	9.0	5.3	8.3	1.7	2.0	5.6
GOALKEEPER II (JR-114)	8.3	6.0	7.0	1.7	2.0	5.6
HEADSTART 2	8.3	5.7	7.7	1.3	2.3	5.6
PREMIER II	9.0	5.7	7.3	1.3	2.7	5.6
MACH I	8.3	5.2	7.3	2.0	4.3	5.5
PACESETTER II (PS-2)	8.3	5.3	8.3	1.7	1.7	5.5
CUTTER II (PM 101)	8.3	5.0	7.3	2.3	3.7	5.4
PINNACLE	5.7	6.7	5.7	1.0	1.3	5.2
CHIVALRY (APR 1648)	7.7	4.2	7.7	1.3	2.7	4.8
BAR LP 4920	5.0	3.8	8.0	2.3	3.3	4.5
PANTHER	9.0	4.8	4.7	1.0	1.3	4.4
PICK 02-R	7.7	5.0	4.3	1.3	1.7	4.4
SUNSHINE 2	7.0	3.7	6.3	2.0	3.0	4.3
LINN	4.3	5.5	4.3	1.0	1.0	4.1
LPR 02203	7.7	4.3	4.0	1.0	1.0	3.9
LSD VALUE	1.7	1.7	1.3	1.5	1.2	1.1
C.V. (%)	12.3	13.9	10.0	20.2	14.6	13.2

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

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

3/ GRAY LEAF SPOT RATED AT "IN1", AT "NJ1" & AT "NJ2" IN 2005, AT "MD1" IN 2006 & 2008, AND AT "MD2" IN 2006.

TABLE 36.

PINK SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

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

NAME	MN1	NAME	MN1
AFFINITY	6.0	GALATTI (DP 17-9502)	4.2
BARLENNIUM	5.5	LS 2300 (APR 1670)	4.2
PINNACLE	5.5	PARAGON GLR	4.2
PREMIER	5.5	PIANIST (DP 17-9505)	4.2
PALMER III	5.3	PIZZAZZ	4.2
PHENOM (APR 1660)	5.3	PRESIDIO (CNV)	4.2
PREMIER II	5.3	PST-2BLK	4.2
TR47	5.3	REGAL 5 (IS-PR 271)	4.2
BAR LP 4920	5.2	ACCENT II (JR-119)	4.0
PANTHER	5.2	BAR LP 4420	4.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0	DERBY XTREME (IS-PR 268)	4.0
E-99	5.0	LPR 02203	4.0
QUICKSILVER	5.0	PLATEAU (PST-2LAN)	4.0
D04-LP05	4.8	PROTEGE GLR	4.0
HAWKEYE 2 (SRX 4692)	4.8	SECRETARIAT II GLSR (LTP-101-GLSR)	4.0
REVENGE GLX (JR-348)	4.8	TRANSFORMER (D04-1667)	4.0
SILVER DOLLAR	4.7	SOPRANO (DP1)	3.8
GRAY FOX (PST-2MNG)	4.7	ASP6003 (TRS)	3.8
TOP GUN II (JR-324)	4.7	BRIGHTSTAR SLT	3.8
AMAZING GS (IS-PR 276)	4.5	EDGE II (AC2)	3.8
CADDIESHACK II (JR-163)	4.5	FIESTA 4 (PICK F4)	3.8
CITATION FORE	4.5	KEYSTONE 2 (IS-PR 312)	3.8
FIREBOLT (PRG HS-01-09)	4.5	LA QUINTA (JR-255)	3.8
LINN	4.5	MACH I	3.8
PINNACLE II	4.5	PALMER IV	3.8
PST-217	4.5	PENTIUM	3.8
WIND DANCE 2 (PWDR)	4.5	SRX 4682	3.8
BAR LP 4317	4.3	SUNSHINE 2	3.8
ES45	4.3	WAYFARER (L44)	3.8
INSPIRE	4.3	ASP6001 (RTS)	3.7
OVERDRIVE	4.3	BREA (04-BRE)	3.7
PST-2AG4	4.3	CUTTER II (PM 101)	3.7
VB99	4.3	DP 17-9788	3.7
ZOOM (LCK)	4.3	MANHATTAN 5 GLR (PST-2AM)	3.7
NEXUS XR (SNR)	4.3	PACESETTER II (PS-2)	3.7
DEFENDER (D04-UP)	4.2	STELLAR GL (IS-PR 236)	3.7
GOALKEEPER II (JR-114)	4.2	ASP6002 (BPR)	3.7
KOKOMO II (IS-PR 235)	4.2	ASP6004 (EXS54)	3.7
LINE DRIVE GLS (APR 1797)	4.2	FOREVER (DP 17-9499)	3.7
NOTABLE (AF)	4.2	MAJESTY II (VB77)	3.7
REPELL GLS	4.2	MONTEREY 3 (JR-408)	3.7
ASP6005 (AJM)	4.2	PALACE (IS-PR 273)	3.7
BACCARAT (RAD-PR8)	4.2	APPLE GL (AAZ-B104)	3.5
DART (APR 1663)	4.2	HALO (KN42)	3.5
DELAWARE XL (PICK 01-2)	4.2	NEXUS XD (SP4)	3.5
		PM 102	3.5

TABLE 36. PINK SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

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

NAME	MN1
PRIMARY (IS-PR 269)	3.5
SR 4600 (SRX 4SP)	3.5
UNO (D04-11T)	3.5
CALYPSO 3 (MS2)	3.3
GRAND SLAM 2 (PST-2GSM)	3.3
DASHER 3 (PICK RB-1)	3.3
GRAY STAR (PST-2LGL)	3.3
HARRIER (SRX 4UP3)	3.3
PALMER GLS (GL-2)	3.3
PLEASURE SUPREME (PM 103)	3.3
ASP6006 (LPFG)	3.2
EXACTA II GLSR (LTP-611-GLSR)	3.2
HEADSTART 2	3.2
HOMERUN (RG3P)	3.2
FUSION	3.2
PALMER V (RNS)	3.2
RINGER II (04-BEN)	3.2
ATTRIBUTE (IS-PR 270)	3.0
BUENA VISTA	3.0
CHIVALRY (APR 1648)	3.0
PROTOTYPE (DCM)	3.0
1G SQUARED (APR 1664)	2.8
ALLSTAR 3 (IS-PR 274)	2.8
CABO II (IS-PR 233)	2.8
MMW	2.8
FIJI (GPR)	2.8
PANTHER GLS	2.8
PICK 02-R	2.5
LSD VALUE	1.7
C.V. (%)	26.3

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

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

3/ PINK SNOW MOLD RATED IN 2007-08.

TABLE 37.

SEEDHEAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/ 3/

NAME	MA1	NAME	MA1
ASP6004 (EXS54)	7.8	FUSION	6.8
PRESIDIO (CNV)	7.8	PACESETTER II (PS-2)	6.8
FOREVER (DP 17-9499)	7.7	PANTHER GLS	6.8
MAJESTY II (VB77)	7.7	PENTIUM	6.8
ACCENT II (JR-119)	7.6	PINNACLE	6.8
HALO (KN42)	7.6	PROTOTYPE (DCM)	6.8
TOP GUN II (JR-324)	7.6	UNO (D04-11T)	6.8
CUTTER II (PM 101)	7.4	ZOOM (LCK)	6.8
PICK 02-R	7.4	BAR LP 4317	6.7
HOMERUN (RG3P)	7.4	BRIGHTSTAR SLT	6.7
LA QUINTA (JR-255)	7.4	CHIVALRY (APR 1648)	6.7
ASP6001 (RTS)	7.3	FIESTA 4 (PICK F4)	6.7
FIJI (GPR)	7.3	MMW	6.7
FIREBOLT (PRG HS-01-09)	7.3	PIANIST (DP 17-9505)	6.7
BACCARAT (RAD-PR8)	7.2	PLATEAU (PST-2LAN)	6.7
PLEASURE SUPREME (PM 103)	7.2	SECRETARIAT II GLSR (LTP-101-GLSR)	6.7
VB99	7.2	SILVER DOLLAR	6.7
WIND DANCE 2 (PWDR)	7.2	CADDIESHACK II (JR-163)	6.6
ASP6005 (AJM)	7.2	DASHER 3 (PICK RB-1)	6.6
BREA (04-BRE)	7.2	DELAWARE XL (PICK 01-2)	6.6
BAR LP 4420	7.1	DERBY XTREME (IS-PR 268)	6.6
GALATTI (DP 17-9502)	7.1	GOALKEEPER II (JR-114)	6.6
MANHATTAN 5 GLR (PST-2AM)	7.1	PINNACLE II	6.6
OVERDRIVE	7.1	PIZZAZZ	6.6
AMAZING GS (IS-PR 276)	7.1	TRANSFORMER (D04-1667)	6.6
ASP6002 (BPR)	7.1	GRAND SLAM 2 (PST-2GSM)	6.6
ASP6003 (TRS)	7.1	PARAGON GLR	6.4
EDGE II (AC2)	7.1	REGAL 5 (IS-PR 271)	6.4
NEXUS XD (SP4)	7.1	DP 17-9788	6.4
PALMER V (RNS)	7.1	PST-2AG4	6.4
PST-217	7.1	SRX 4682	6.4
TR47	7.1	WAYFARER (L44)	6.4
ALLSTAR 3 (IS-PR 274)	7.0	E-99	6.3
BARLENNIUM	7.0	HEADSTART 2	6.3
CALYPSO 3 (MS2)	7.0	PRIMARY (IS-PR 269)	6.3
ES45	7.0	SR 4600 (SRX 4SP)	6.3
KEYSTONE 2 (IS-PR 312)	7.0	1G SQUARED (APR 1664)	6.2
BAR LP 4920	6.9	CABO II (IS-PR 233)	6.2
GRAY STAR (PST-2LGL)	6.9	DART (APR 1663)	6.2
INSPIRE	6.9	DEFENDER (D04-UP)	6.2
MONTEREY 3 (JR-408)	6.9	GRAY FOX (PST-2MNG)	6.2
NEXUS XR (SNR)	6.9	PALACE (IS-PR 273)	6.2
PANTHER	6.9	PM 102	6.2
ASP6006 (LPFG)	6.9	AFFINITY	6.2
SUNSHINE 2	6.9	MACH I	6.2
		QUICKSILVER	6.2

TABLE 37. SEEDHEAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/ 3/

NAME	MA1
LPR 02203	6.1
ATTRIBUTE (IS-PR 270)	6.0
BUENA VISTA	6.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0
LINE DRIVE GLS (APR 1797)	6.0
NOTABLE (AF)	6.0
PREMIER	6.0
REVENGE GLX (JR-348)	6.0
SOPRANO (DP1)	6.0
CITATION FORE	5.9
EXACTA II GLSR (LTP-611-GLSR)	5.9
LS 2300 (APR 1670)	5.9
PHENOM (APR 1660)	5.9
KOKOMO II (IS-PR 235)	5.9
PALMER IV	5.9
HAWKEYE 2 (SRX 4692)	5.8
STELLAR GL (IS-PR 236)	5.8
PALMER III	5.8
PREMIER II	5.8
PROTEGE GLR	5.7
REPELL GLS	5.7
RINGER II (04-BEN)	5.7
D04-LP05	5.6
PST-2BLK	5.6
APPLE GL (AAZ-B104)	5.4
LINN	5.4
PALMER GLS (GL-2)	5.3
HARRIER (SRX 4UP3)	4.9
LSD VALUE	1.4
C.V. (%)	13.4

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

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

3/ SEEDHEAD RATED IN 2007-09.

TABLE 38.

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	MA1	NAME	MA1
LINE DRIVE GLS (APR 1797)	8.4	HAWKEYE 2 (SRX 4692)	7.6
TRANSFORMER (D04-1667)	8.3	PRIMARY (IS-PR 269)	7.6
CITATION FORE	8.3	PREMIER II	7.5
DP 17-9788	8.3	BARLENNIUM	7.5
MANHATTAN 5 GLR (PST-2AM)	8.3	DERBY XTREME (IS-PR 268)	7.5
ZOOM (LCK)	8.3	PARAGON GLR	7.5
FIESTA 4 (PICK F4)	8.2	E-99	7.4
PROTEGE GLR	8.2	HOMERUN (RG3P)	7.4
LS 2300 (APR 1670)	8.2	PROTOTYPE (DCM)	7.4
SECRETARIAT II GLSR (LTP-101-GLSR)	8.2	PINNACLE II	7.4
BAR LP 4317	8.1	AFFINITY	7.3
EXACTA II GLSR (LTP-611-GLSR)	8.1	AMAZING GS (IS-PR 276)	7.3
PENTIUM	8.1	ASP6001 (RTS)	7.3
SR 4600 (SRX 4SP)	8.1	STELLAR GL (IS-PR 236)	7.3
BACCARAT (RAD-PR8)	8.1	FIJI (GPR)	7.3
HARRIER (SRX 4UP3)	8.1	GOALKEEPER II (JR-114)	7.3
PALMER GLS (GL-2)	8.0	RINGER II (04-BEN)	7.3
PALMER V (RNS)	8.0	CUTTER II (PM 101)	7.3
PANTHER GLS	8.0	DEFENDER (D04-UP)	7.3
ACCENT II (JR-119)	7.9	PALMER III	7.3
GRAND SLAM 2 (PST-2GSM)	7.9	REGAL 5 (IS-PR 271)	7.3
SOPRANO (DP1)	7.9	REPELL GLS	7.3
UNO (D04-11T)	7.9	REVENGE GLX (JR-348)	7.3
1G SQUARED (APR 1664)	7.8	DELAWARE XL (PICK 01-2)	7.2
TOP GUN II (JR-324)	7.8	PREMIER	7.2
KEYSTONE 2 (IS-PR 312)	7.8	ATTRIBUTE (IS-PR 270)	7.2
APPLE GL (AAZ-B104)	7.8	EDGE II (AC2)	7.2
DASHER 3 (PICK RB-1)	7.8	FUSION	7.2
PHENOM (APR 1660)	7.8	CALYPSO 3 (MS2)	7.1
ALLSTAR 3 (IS-PR 274)	7.8	FIREBOLT (PRG HS-01-09)	7.1
BUENA VISTA	7.8	GRAY FOX (PST-2MNG)	7.1
MMW	7.8	TR47	7.1
PACESETTER II (PS-2)	7.8	PALMER IV	7.0
PIANIST (DP 17-9505)	7.8	PLATEAU (PST-2LAN)	7.0
CHIVALRY (APR 1648)	7.8	D04-LP05	6.9
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	LPR 02203	6.9
GRAY STAR (PST-2LGL)	7.7	OVERDRIVE	6.9
PALACE (IS-PR 273)	7.7	VB99	6.8
SRX 4682	7.7	DART (APR 1663)	6.8
CADDIESHACK II (JR-163)	7.7	INSPIRE	6.8
BRIGHTSTAR SLT	7.6	PIZZAZZ	6.8
CABO II (IS-PR 233)	7.6	PST-2AG4	6.8
MONTEREY 3 (JR-408)	7.6	PST-2BLK	6.8
SILVER DOLLAR	7.6	WIND DANCE 2 (PWDR)	6.8
FOREVER (DP 17-9499)	7.6	HEADSTART 2	6.8
		KOKOMO II (IS-PR 235)	6.8

TABLE 38. POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/	
NAME	MA1
NOTABLE (AF)	6.8
QUICKSILVER	6.8
PST-217	6.7
BAR LP 4420	6.6
PRESIDIO (CNV)	6.6
ASP6003 (TRS)	6.6
LA QUINTA (JR-255)	6.5
MAJESTY II (VB77)	6.5
NEXUS XD (SP4)	6.5
SUNSHINE 2	6.5
ASP6005 (AJM)	6.4
HALO (KN42)	6.4
BAR LP 4920	6.3
NEXUS XR (SNR)	6.3
ASP6004 (EXS54)	6.3
BREA (04-BRE)	6.3
ASP6006 (LPFG)	6.2
MACH I	6.2
WAYFARER (L44)	6.2
PANTHER	6.2
PINNACLE	6.1
PLEASURE SUPREME (PM 103)	6.1
GALATTI (DP 17-9502)	5.9
PM 102	5.8
ASP6002 (BPR)	5.8
ES45	5.7
PICK 02-R	4.8
LINN	3.2
LSD VALUE	1.6
C.V. (%)	14.3

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

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

3/ POA ANNUA RATED IN 2006-09.

TABLE 39.

PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2004 DATA 2/

NAME	IA1	IL1	IL2	MA1	ME1	OK1	SD1	UT1	WI1	MEAN
AFFINITY	73.3	89.7	96.7	73.3	88.3	70.0	78.3	81.7	76.7	80.9
PANTHER	76.7	80.0	97.7	66.7	85.0	73.3	78.3	83.7	85.0	80.7
SILVER DOLLAR	73.3	89.7	99.0	60.0	81.7	68.3	70.0	85.0	88.3	79.5
PALMER V (RNS)	80.0	93.0	96.3	66.7	73.3	66.7	70.0	84.3	83.3	79.3
PROTEGE GLR	76.7	93.3	97.7	60.0	86.7	56.7	71.7	83.7	78.3	78.3
BARLENNIUM	76.7	86.7	94.7	66.7	80.0	48.3	80.0	85.0	83.3	77.9
PALMER GLS (GL-2)	76.7	88.3	96.0	66.7	78.3	51.7	71.7	87.0	83.3	77.7
CITATION FORE	80.0	91.3	95.0	63.3	73.3	65.0	63.3	85.3	81.7	77.6
EXACTA II GLSR (LTP-611-GLSR)	76.7	88.0	94.7	63.3	81.7	60.0	70.0	77.0	85.0	77.4
PIZZAZZ	80.0	80.0	96.0	60.0	81.7	68.3	68.3	77.0	83.3	77.2
LINN	80.0	80.0	99.0	63.3	75.0	53.3	78.3	88.3	76.7	77.1
BAR LP 4920	80.0	88.0	96.3	70.0	80.0	53.3	66.7	81.0	76.7	76.9
PARAGON GLR	76.7	80.0	97.3	60.0	80.0	60.0	66.7	82.7	80.0	75.9
REPELL GLS	80.0	93.3	92.7	56.7	85.0	56.7	68.3	79.0	71.7	75.9
KEYSTONE 2 (IS-PR 312)	80.0	78.3	98.7	60.0	75.0	60.0	71.7	80.3	78.3	75.8
BRIGHTSTAR SLT	76.7	83.3	92.7	60.0	85.0	56.7	73.3	79.3	75.0	75.8
SOPRANO (DP1)	73.3	71.7	98.0	63.3	80.0	65.0	68.3	77.0	85.0	75.7
PREMIER	80.0	81.7	97.7	60.0	63.3	58.3	70.0	86.0	80.0	75.2
INSPIRE	76.7	93.0	96.3	60.0	78.3	41.7	68.3	82.7	78.3	75.0
CALYPSO 3 (MS2)	76.7	80.0	93.7	60.0	80.0	56.7	65.0	82.0	80.0	74.9
UNO (D04-11T)	76.7	85.0	94.3	60.0	76.7	51.7	68.3	82.3	78.3	74.8
ALLSTAR 3 (IS-PR 274)	80.0	88.3	95.3	56.7	73.3	55.0	71.7	80.3	71.7	74.7
MMW	76.7	85.0	96.3	66.7	85.0	43.3	66.7	82.0	68.3	74.4
PREMIER II	80.0	83.3	98.3	56.7	68.3	50.0	80.0	77.7	75.0	74.4
DERBY XTREME (IS-PR 268)	80.0	84.7	97.7	56.7	78.3	51.7	75.0	77.3	66.7	74.2
DASHER 3 (PICK RB-1)	76.7	80.0	95.7	56.7	85.0	53.3	65.0	71.7	81.7	74.0
PALMER IV	76.7	88.0	95.0	50.0	81.7	55.0	65.0	80.3	71.7	73.7
PENTIUM	80.0	86.3	91.7	60.0	63.3	48.3	76.7	70.7	83.3	73.4
GRAND SLAM 2 (PST-2GSM)	76.7	81.7	96.0	56.7	75.0	51.7	61.7	77.3	83.3	73.3
PLATEAU (PST-2LAN)	76.7	88.3	96.7	56.7	85.0	33.3	68.3	80.7	73.3	73.2
EDGE II (AC2)	80.0	80.0	96.3	53.3	70.0	55.0	61.7	82.3	80.0	73.2
PROTOTYPE (DCM)	76.7	83.3	95.0	63.3	75.0	50.0	68.3	77.7	68.3	73.1
MACH I	80.0	75.0	96.0	53.3	81.7	50.0	65.0	77.0	78.3	72.9
TOP GUN II (JR-324)	76.7	86.7	99.0	60.0	66.7	53.3	66.7	77.0	70.0	72.9
PLEASURE SUPREME (PM 103)	70.0	85.0	98.0	63.3	71.7	51.7	66.7	70.0	78.3	72.7
LS 2300 (APR 1670)	76.7	88.3	96.3	60.0	65.0	41.7	66.7	80.7	78.3	72.6
PINNACLE II	73.3	85.0	96.7	56.7	80.0	48.3	71.7	68.7	73.3	72.6
QUICKSILVER	76.7	78.3	95.0	50.0	86.7	46.7	71.7	77.0	71.7	72.6
STELLAR GL (IS-PR 236)	76.7	80.0	98.3	56.7	70.0	51.7	68.3	75.3	76.7	72.6
CHIVALRY (APR 1648)	73.3	85.0	93.7	60.0	78.3	48.3	65.0	68.0	81.7	72.6
PANTHER GLS	70.0	88.3	93.3	60.0	73.3	50.0	70.0	78.3	70.0	72.6
TRANSFORMER (D04-1667)	73.3	83.3	96.3	60.0	81.7	53.3	58.3	74.7	71.7	72.5
DP 17-9788	76.7	81.7	93.7	60.0	71.7	41.7	68.3	78.3	80.0	72.4
NEXUS XD (SP4)	76.7	80.0	96.7	56.7	76.7	43.3	71.7	68.7	81.7	72.4
ES45	80.0	85.0	99.0	43.3	76.7	50.0	63.3	83.0	71.7	72.4
GRAY STAR (PST-2LGL)	80.0	86.7	96.7	56.7	66.7	40.0	68.3	80.0	76.7	72.4
LINE DRIVE GLS (APR 1797)	76.7	86.7	89.7	53.3	76.7	43.3	66.7	81.7	76.7	72.4
GRAY FOX (PST-2MNG)	76.7	78.3	97.7	60.0	76.7	45.0	61.7	81.3	73.3	72.3

TABLE 39. (CONT'D)

PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2004 DATA 2/

NAME	IA1	IL1	IL2	MA1	ME1	OK1	SD1	UT1	WI1	MEAN
LPR 02203	80.0	71.7	91.3	63.3	76.7	56.7	60.0	74.0	76.7	72.3
BUENA VISTA	80.0	91.3	99.0	60.0	65.0	40.0	63.3	81.0	70.0	72.2
AMAZING GS (IS-PR 276)	76.7	78.3	96.0	66.7	70.0	53.3	66.7	70.0	71.7	72.1
REVENGE GLX (JR-348)	76.7	85.0	97.0	60.0	65.0	56.7	63.3	73.3	71.7	72.1
GOALKEEPER II (JR-114)	80.0	80.0	97.7	50.0	78.3	38.3	66.7	73.7	83.3	72.0
FOREVER (DP 17-9499)	70.0	83.3	97.7	60.0	80.0	43.3	61.7	75.0	76.7	72.0
ATTRIBUTE (IS-PR 270)	76.7	88.3	93.7	53.3	71.7	51.7	61.7	80.0	70.0	71.9
FIESTA 4 (PICK F4)	73.3	88.3	94.0	53.3	71.7	50.0	68.3	71.3	76.7	71.9
MANHATTAN 5 GLR (PST-2AM)	80.0	85.0	94.7	56.7	75.0	51.7	60.0	64.0	80.0	71.9
E-99	80.0	80.0	95.7	50.0	73.3	58.3	60.0	74.3	75.0	71.9
GALATTI (DP 17-9502)	73.3	91.3	97.7	60.0	73.3	38.3	63.3	77.7	71.7	71.9
D04-LP05	76.7	76.7	96.7	53.3	76.7	51.7	71.7	71.3	71.7	71.8
MONTEREY 3 (JR-408)	73.3	70.0	98.7	56.7	78.3	50.0	71.7	79.3	68.3	71.8
BAR LP 4420	76.7	80.0	94.3	53.3	85.0	41.7	65.0	75.3	73.3	71.6
PHENOM (APR 1660)	76.7	88.0	96.0	60.0	70.0	36.7	70.0	77.0	70.0	71.6
REGAL 5 (IS-PR 271)	73.3	81.7	98.0	50.0	85.0	50.0	56.7	72.3	76.7	71.5
DART (APR 1663)	80.0	78.3	92.0	60.0	66.7	46.7	66.7	80.3	71.7	71.4
SR 4600 (SRX 4SP)	76.7	78.3	93.3	53.3	61.7	48.3	71.7	79.0	80.0	71.4
PST-2AG4	80.0	91.3	96.3	50.0	75.0	38.3	68.3	76.0	66.7	71.3
CADDIESHACK II (JR-163)	76.7	78.3	96.0	53.3	85.0	46.7	55.0	77.3	73.3	71.3
ACCENT II (JR-119)	76.7	81.7	95.3	60.0	66.7	51.7	63.3	71.0	75.0	71.3
HOMERUN (RG3P)	76.7	83.3	94.3	56.7	70.0	45.0	68.3	72.7	73.3	71.1
FIJI (GPR)	80.0	83.3	94.7	46.7	78.3	40.0	70.0	77.0	68.3	70.9
NOTABLE (AF)	76.7	88.0	94.3	50.0	68.3	50.0	65.0	76.7	68.3	70.8
HEADSTART 2	73.3	75.0	95.3	50.0	85.0	41.7	70.0	76.0	70.0	70.7
PIANIST (DP 17-9505)	73.3	76.7	96.0	53.3	86.7	46.7	56.7	76.3	70.0	70.6
BAR LP 4317	80.0	83.3	95.3	50.0	55.0	38.3	66.7	83.7	83.3	70.6
BACCARAT (RAD-PR8)	76.7	80.0	98.0	60.0	73.3	41.7	61.7	69.0	75.0	70.6
ZOOM (LCK)	76.7	84.7	96.7	56.7	60.0	46.7	61.7	78.7	73.3	70.6
FUSION	80.0	90.0	95.0	50.0	83.3	35.0	63.3	78.3	60.0	70.6
HARRIER (SRX 4UP3)	80.0	81.7	93.0	56.7	53.3	51.7	61.7	77.0	80.0	70.6
SECRETARIAT II GLSR (LTP-101-GLSR)	70.0	78.3	99.0	60.0	71.7	51.7	66.7	63.7	73.3	70.5
WAYFARER (L44)	70.0	84.7	95.3	56.7	78.3	38.3	68.3	69.3	73.3	70.5
ASP6003 (TRS)	73.3	85.0	95.7	56.7	66.7	46.7	61.7	75.3	71.7	70.3
PRIMARY (IS-PR 269)	76.7	78.3	97.3	53.3	56.7	43.3	70.0	79.0	76.7	70.1
CUTTER II (PM 101)	73.3	85.0	96.7	46.7	76.7	50.0	68.3	70.3	63.3	70.0
ASP6002 (BPR)	73.3	78.3	95.3	63.3	70.0	41.7	63.3	73.3	68.3	69.7
OVERDRIVE	76.7	88.3	98.7	50.0	60.0	41.7	70.0	75.0	66.7	69.7
PACESETTER II (PS-2)	76.7	73.3	96.0	50.0	73.3	43.3	60.0	76.0	78.3	69.7
PALACE (IS-PR 273)	73.3	76.7	93.7	50.0	71.7	43.3	63.3	79.7	75.0	69.6
PST-2BLK	70.0	75.0	95.3	53.3	83.3	38.3	63.3	76.3	71.7	69.6
PINNACLE	76.7	81.7	98.0	53.3	63.3	50.0	61.7	71.0	70.0	69.5
KOKOMO II (IS-PR 235)	76.7	78.3	96.3	60.0	50.0	48.3	63.3	75.3	76.7	69.4
1G SQUARED (APR 1664)	76.7	86.7	96.0	53.3	70.0	36.7	65.0	77.7	61.7	69.3
FIREBOLT (PRG HS-01-09)	76.7	81.7	93.3	53.3	70.0	41.7	58.3	73.0	73.3	69.0
TR47	76.7	75.0	98.0	53.3	73.3	35.0	63.3	78.3	68.3	69.0
MAJESTY II (VB77)	73.3	86.7	97.0	53.3	56.7	45.0	55.0	77.0	76.7	69.0
NEXUS XR (SNR)	73.3	78.3	96.3	53.3	70.0	41.7	60.0	75.0	71.7	68.9

TABLE 39. (CONT'D)

PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2004 DATA 2/

NAME	IA1	IL1	IL2	MA1	ME1	OK1	SD1	UT1	WI1	MEAN
DELAWARE XL (PICK 01-2)	76.7	75.0	94.0	53.3	58.3	48.3	68.3	73.0	71.7	68.7
PM 102	76.7	73.3	94.7	50.0	75.0	48.3	60.0	70.3	70.0	68.7
ASP6001 (RTS)	76.7	78.3	93.3	56.7	70.0	41.7	65.0	71.0	65.0	68.6
CABO II (IS-PR 233)	76.7	80.0	96.0	50.0	71.7	43.3	58.3	69.0	71.7	68.5
HALO (KN42)	73.3	86.3	96.7	53.3	65.0	40.0	61.7	76.3	63.3	68.4
PICK 02-R	73.3	88.3	95.7	46.7	71.7	35.0	63.3	67.0	73.3	68.3
WIND DANCE 2 (PWDR)	70.0	76.7	93.3	56.7	65.0	45.0	60.0	69.3	78.3	68.3
SUNSHINE 2	73.3	76.7	97.3	46.7	56.7	51.7	68.3	68.0	73.3	68.0
ASP6005 (AJM)	76.7	75.0	97.7	46.7	53.3	51.7	63.3	74.7	70.0	67.7
APPLE GL (AAZ-B104)	76.7	83.3	94.3	50.0	65.0	33.3	58.3	72.3	75.0	67.6
CHARISMATIC II GLSR (LTP-PG-GLSR)	70.0	75.0	95.3	50.0	56.7	46.7	61.7	80.0	71.7	67.4
DEFENDER (D04-UP)	76.7	78.3	93.0	53.3	65.0	40.0	56.7	75.7	68.3	67.4
PRESIDIO (CNV)	70.0	73.3	97.7	46.7	73.3	41.7	60.0	78.0	65.0	67.3
SRX 4682	80.0	76.7	91.0	53.3	65.0	38.3	61.7	70.7	68.3	67.2
VB99	76.7	78.3	97.0	53.3	56.7	41.7	70.0	64.7	65.0	67.0
PST-217	76.7	85.0	92.7	50.0	50.0	45.0	58.3	76.7	68.3	67.0
PALMER III	76.7	73.3	93.3	40.0	65.0	40.0	66.7	75.0	70.0	66.7
ASP6006 (LPFG)	80.0	86.7	96.0	56.7	41.7	36.7	63.3	67.7	68.3	66.3
ASP6004 (EXS54)	73.3	73.3	97.3	56.7	38.3	46.7	58.3	70.0	73.3	65.3
HAWKEYE 2 (SRX 4692)	80.0	78.3	96.0	53.3	58.3	26.7	55.0	72.7	60.0	64.5
RINGER II (04-BEN)	73.3	76.7	95.7	43.3	60.0	36.7	56.7	72.7	61.7	64.1
BREA (04-BRE)	76.7	68.3	94.0	43.3	56.7	30.0	58.3	73.7	68.3	63.3
LA QUINTA (JR-255)	73.3	70.0	93.7	46.7	41.7	40.0	61.7	75.3	66.7	63.2
LSD VALUE	9.4	16.1	6.4	13.6	24.7	19.3	14.2	10.9	12.5	5.0
C.V. (%)	7.6	12.2	4.2	15.2	21.5	25.2	13.5	8.9	10.5	13.0

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

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

TABLE 40.

WEED RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/

WEED RATINGS 1-9; 9=NONE 3/

NAME	ME1	NAME	ME1
AFFINITY	9.0	VB99	7.0
HOMERUN (RG3P)	8.7	ASP6001 (RTS)	6.7
KEYSTONE 2 (IS-PR 312)	8.7	ASP6002 (BPR)	6.7
PRIMARY (IS-PR 269)	8.7	ASP6003 (TRS)	6.7
ASP6006 (LPFG)	8.3	ATTRIBUTE (IS-PR 270)	6.7
E-99	8.3	BAR LP 4920	6.7
FIJI (GPR)	8.3	BARLENNIUM	6.7
PALMER V (RNS)	8.3	CHIVALRY (APR 1648)	6.7
PROTEGE GLR	8.3	CUTTER II (PM 101)	6.7
APPLE GL (AAZ-B104)	8.0	DASHER 3 (PICK RB-1)	6.7
BREA (04-BRE)	8.0	EDGE II (AC2)	6.7
DELAWARE XL (PICK 01-2)	8.0	FIESTA 4 (PICK F4)	6.7
HEADSTART 2	8.0	FIREBOLT (PRG HS-01-09)	6.7
MONTEREY 3 (JR-408)	8.0	MANHATTAN 5 GLR (PST-2AM)	6.7
PANTHER GLS	8.0	PST-217	6.7
PICK 02-R	8.0	UNO (D04-11T)	6.7
PREMIER II	8.0	WIND DANCE 2 (PWDR)	6.7
TOP GUN II (JR-324)	8.0	ZOOM (LCK)	6.7
AMAZING GS (IS-PR 276)	7.7	ASP6005 (AJM)	6.3
DART (APR 1663)	7.7	CABO II (IS-PR 233)	6.3
FUSION	7.7	GOALKEEPER II (JR-114)	6.3
RINGER II (04-BEN)	7.7	KOKOMO II (IS-PR 235)	6.3
ALLSTAR 3 (IS-PR 274)	7.3	LINE DRIVE GLS (APR 1797)	6.3
BUENA VISTA	7.3	MAJESTY II (VB77)	6.3
CADDIESHACK II (JR-163)	7.3	NOTABLE (AF)	6.3
INSPIRE	7.3	OVERDRIVE	6.3
LPR 02203	7.3	PIANIST (DP 17-9505)	6.3
LS 2300 (APR 1670)	7.3	PIZZAZZ	6.3
PALMER GLS (GL-2)	7.3	REGAL 5 (IS-PR 271)	6.3
PARAGON GLR	7.3	REPELL GLS	6.3
PLEASURE SUPREME (PM 103)	7.3	SECRETARIAT II GLSR (LTP-101-GLSR)	6.3
PROTOTYPE (DCM)	7.3	SUNSHINE 2	6.3
SR 4600 (SRX 4SP)	7.3	BRIGHTSTAR SLT	6.0
1G SQUARED (APR 1664)	7.0	CITATION FORE	6.0
ACCENT II (JR-119)	7.0	EXACTA II GLSR (LTP-611-GLSR)	6.0
ASP6004 (EXS54)	7.0	LINN	6.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.0	PANTHER	6.0
GRAY STAR (PST-2LGL)	7.0	STELLAR GL (IS-PR 236)	6.0
HARRIER (SRX 4UP3)	7.0	TRANSFORMER (D04-1667)	6.0
LA QUINTA (JR-255)	7.0	WAYFARER (L44)	6.0
NEXUS XR (SNR)	7.0	BACCARAT (RAD-PR8)	5.7
PALACE (IS-PR 273)	7.0	DP 17-9788	5.7
PST-2BLK	7.0	PINNACLE II	5.7
SOPRANO (DP1)	7.0	PREMIER	5.7
SRX 4682	7.0	REVENGE GLX (JR-348)	5.7
		TR47	5.7

TABLE 40. WEED RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/

WEED RATINGS 1-9; 9=NONE 3/

NAME	ME1
BAR LP 4317	5.3
BAR LP 4420	5.3
DEFENDER (D04-UP)	5.3
FOREVER (DP 17-9499)	5.3
MACH I	5.3
PINNACLE	5.3
PM 102	5.3
ES45	5.0
NEXUS XD (SP4)	5.0
PACESETTER II (PS-2)	5.0
PRESIDIO (CNV)	5.0
PST-2AG4	5.0
CALYPSO 3 (MS2)	4.7
HALO (KN42)	4.7
HAWKEYE 2 (SRX 4692)	4.7
MMW	4.7
PALMER III	4.7
PALMER IV	4.7
PENTIUM	4.7
SILVER DOLLAR	4.7
DERBY XTREME (IS-PR 268)	4.3
GALATTI (DP 17-9502)	4.3
PHENOM (APR 1660)	4.3
PLATEAU (PST-2LAN)	4.3
D04-LP05	3.7
GRAY FOX (PST-2MNG)	3.7
QUICKSILVER	3.7
GRAND SLAM 2 (PST-2GSM)	3.3
LSD VALUE	3.7
C.V. (%)	35.8

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

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

3/ WEED RATED IN 2005 ONLY.

TABLE 41.

WINTER DAMAGE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/

WINTER DAMAGE RATINGS 1-9; 9=NO DAMAGE 3/

NAME	MN1	NAME	MN1
CADDIESHACK II (JR-163)	6.3	ZOOM (LCK)	5.0
MACH I	6.3	ACCENT II (JR-119)	4.7
1G SQUARED (APR 1664)	6.0	BACCARAT (RAD-PR8)	4.7
ASP6006 (LPFG)	6.0	BAR LP 4317	4.7
GOALKEEPER II (JR-114)	6.0	D04-LP05	4.7
ASP6003 (TRS)	5.7	FIJI (GPR)	4.7
CHIVALRY (APR 1648)	5.7	HAWKEYE 2 (SRX 4692)	4.7
GALATTI (DP 17-9502)	5.7	MANHATTAN 5 GLR (PST-2AM)	4.7
MAJESTY II (VB77)	5.7	NEXUS XD (SP4)	4.7
OVERDRIVE	5.7	PALACE (IS-PR 273)	4.7
PANTHER GLS	5.7	PINNACLE II	4.7
PRESIDIO (CNV)	5.7	PREMIER II	4.7
SECRETARIAT II GLSR (LTP-101-GLSR)	5.7	REVENGE GLX (JR-348)	4.7
WIND DANCE 2 (PWDR)	5.7	RINGER II (04-BEN)	4.7
ASP6001 (RTS)	5.3	TR47	4.7
ASP6002 (BPR)	5.3	ALLSTAR 3 (IS-PR 274)	4.3
BAR LP 4420	5.3	BAR LP 4920	4.3
BREA (04-BRE)	5.3	CABO II (IS-PR 233)	4.3
DART (APR 1663)	5.3	CITATION FORE	4.3
ES45	5.3	DELAWARE XL (PICK 01-2)	4.3
FOREVER (DP 17-9499)	5.3	EXACTA II GLSR (LTP-611-GLSR)	4.3
LA QUINTA (JR-255)	5.3	GRAY STAR (PST-2LGL)	4.3
SOPRANO (DP1)	5.3	HALO (KN42)	4.3
SUNSHINE 2	5.3	KEYSTONE 2 (IS-PR 312)	4.3
VB99	5.3	MONTEREY 3 (JR-408)	4.3
WAYFARER (L44)	5.3	PLATEAU (PST-2LAN)	4.3
CALYPSO 3 (MS2)	5.0	PLEASURE SUPREME (PM 103)	4.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0	REGAL 5 (IS-PR 271)	4.3
DASHER 3 (PICK RB-1)	5.0	SR 4600 (SRX 4SP)	4.3
DP 17-9788	5.0	APPLE GL (AAZ-B104)	4.0
GRAY FOX (PST-2MNG)	5.0	ASP6005 (AJM)	4.0
HEADSTART 2	5.0	BARLENNIUM	4.0
HOMERUN (RG3P)	5.0	BRIGHTSTAR SLT	4.0
NEXUS XR (SNR)	5.0	BUENA VISTA	4.0
NOTABLE (AF)	5.0	FIREBOLT (PRG HS-01-09)	4.0
PALMER GLS (GL-2)	5.0	HARRIER (SRX 4UP3)	4.0
PALMER III	5.0	INSPIRE	4.0
PALMER V (RNS)	5.0	MMW	4.0
PIANIST (DP 17-9505)	5.0	PALMER IV	4.0
PICK 02-R	5.0	PENTIUM	4.0
PIZZAZZ	5.0	PST-2BLK	4.0
PREMIER	5.0	REPELL GLS	4.0
PROTOTYPE (DCM)	5.0	TRANSFORMER (D04-1667)	4.0
PST-217	5.0	ASP6004 (EXS54)	3.7
SRX 4682	5.0	CUTTER II (PM 101)	3.7
		DERBY XTREME (IS-PR 268)	3.7

TABLE 41. WINTER DAMAGE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/

WINTER DAMAGE RATINGS 1-9; 9=NO DAMAGE 3/

NAME	MN1
E-99	3.7
EDGE II (AC2)	3.7
FUSION	3.7
GRAND SLAM 2 (PST-2GSM)	3.7
KOKOMO II (IS-PR 235)	3.7
LPR 02203	3.7
PACESETTER II (PS-2)	3.7
PINNACLE	3.7
SILVER DOLLAR	3.7
STELLAR GL (IS-PR 236)	3.7
AMAZING GS (IS-PR 276)	3.3
ATTRIBUTE (IS-PR 270)	3.3
FIESTA 4 (PICK F4)	3.3
LINE DRIVE GLS (APR 1797)	3.3
LS 2300 (APR 1670)	3.3
PARAGON GLR	3.3
PM 102	3.3
PRIMARY (IS-PR 269)	3.3
PROTEGE GLR	3.3
PST-2AG4	3.3
UNO (D04-11T)	3.3
AFFINITY	3.0
DEFENDER (D04-UP)	3.0
PANTHER	3.0
PHENOM (APR 1660)	3.0
TOP GUN II (JR-324)	3.0
QUICKSILVER	2.7
LINN	1.0
LSD VALUE	2.3
C.V. (%)	31.6

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

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

3/ WINTER DAMAGE RATED IN 2005 ONLY.

TABLE 42.

VELOCITY® INJURY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/

VELOCITY® INJURY RATINGS 1-9; 9=NO INJURY 3/

NAME	PA1	NAME	PA1
ACCENT II (JR-119)	9.0	NEXUS XR (SNR)	8.7
ASP6001 (RTS)	9.0	PACESETTER II (PS-2)	8.7
ASP6002 (BPR)	9.0	PENTIUM	8.7
ASP6003 (TRS)	9.0	PICK 02-R	8.7
ASP6004 (EXS54)	9.0	PM 102	8.7
ASP6005 (AJM)	9.0	RINGER II (04-BEN)	8.7
ASP6006 (LPFG)	9.0	SECRETARIAT II GLSR (LTP-101-GLSR)	8.7
BRIGHTSTAR SLT	9.0	TR47	8.7
CABO II (IS-PR 233)	9.0	CADDIESHACK II (JR-163)	8.3
CALYPSO 3 (MS2)	9.0	HEADSTART 2	8.3
DP 17-9788	9.0	LA QUINTA (JR-255)	8.3
EDGE II (AC2)	9.0	LINN	8.3
FIJI (GPR)	9.0	PALMER GLS (GL-2)	8.3
FIREBOLT (PRG HS-01-09)	9.0	PALMER III	8.3
GALATTI (DP 17-9502)	9.0	PIZZAZZ	8.3
GOALKEEPER II (JR-114)	9.0	PROTOTYPE (DCM)	8.3
GRAND SLAM 2 (PST-2GSM)	9.0	PST-2BLK	8.3
GRAY FOX (PST-2MNG)	9.0	STELLAR GL (IS-PR 236)	8.3
GRAY STAR (PST-2LGL)	9.0	AFFINITY	8.0
HOMERUN (RG3P)	9.0	ATTRIBUTE (IS-PR 270)	8.0
INSPIRE	9.0	BUENA VISTA	8.0
MAJESTY II (VB77)	9.0	DERBY XTREME (IS-PR 268)	8.0
MANHATTAN 5 GLR (PST-2AM)	9.0	ES45	8.0
MONTEREY 3 (JR-408)	9.0	FIESTA 4 (PICK F4)	8.0
NEXUS XD (SP4)	9.0	KOKOMO II (IS-PR 235)	8.0
PLATEAU (PST-2LAN)	9.0	LPR 02203	8.0
PLEASURE SUPREME (PM 103)	9.0	PALACE (IS-PR 273)	8.0
PREMIER	9.0	PINNACLE II	8.0
PRESIDIO (CNV)	9.0	PROTEGE GLR	8.0
PST-217	9.0	CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7
PST-2AG4	9.0	CUTTER II (PM 101)	7.7
QUICKSILVER	9.0	MMW	7.7
REVENGE GLX (JR-348)	9.0	NOTABLE (AF)	7.7
SILVER DOLLAR	9.0	OVERDRIVE	7.7
TOP GUN II (JR-324)	9.0	PALMER IV	7.7
VB99	9.0	PARAGON GLR	7.7
WAYFARER (L44)	9.0	REGAL 5 (IS-PR 271)	7.7
WIND DANCE 2 (PWDR)	9.0	TRANSFORMER (D04-1667)	7.7
AMAZING GS (IS-PR 276)	8.7	UNO (D04-11T)	7.7
BACCARAT (RAD-PR8)	8.7	ALLSTAR 3 (IS-PR 274)	7.3
BREA (04-BRE)	8.7	APPLE GL (AAZ-B104)	7.3
CITATION FORE	8.7	DASHER 3 (PICK RB-1)	7.3
D04-LP05	8.7	EXACTA II GLSR (LTP-611-GLSR)	7.3
HALO (KN42)	8.7	PALMER V (RNS)	7.3
KEYSTONE 2 (IS-PR 312)	8.7	PRIMARY (IS-PR 269)	7.3
		SOPRANO (DP1)	7.3

TABLE 42. VELOCITY® INJURY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/

VELOCITY® INJURY RATINGS 1-9; 9=NO INJURY 3/

NAME	PA1
SUNSHINE 2	7.3
ZOOM (LCK)	7.0
FUSION	6.7
LINE DRIVE GLS (APR 1797)	6.7
1G SQUARED (APR 1664)	6.3
DART (APR 1663)	6.3
DELAWARE XL (PICK 01-2)	6.3
HAWKEYE 2 (SRX 4692)	6.3
PANTHER	6.3
BAR LP 4317	6.0
DEFENDER (D04-UP)	6.0
E-99	6.0
HARRIER (SRX 4UP3)	6.0
MACH I	6.0
PANTHER GLS	6.0
PREMIER II	5.3
REPELL GLS	5.0
FOREVER (DP 17-9499)	4.7
BAR LP 4920	4.3
BARLENNIUM	4.3
LS 2300 (APR 1670)	4.3
PIANIST (DP 17-9505)	4.3
BAR LP 4420	4.0
PHENOM (APR 1660)	4.0
SR 4600 (SRX 4SP)	4.0
SRX 4682	2.3
PINNACLE	2.0
CHIVALRY (APR 1648)	1.0
LSD VALUE	1.1
C.V. (%)	8.8

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

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

3/ VELOCITY INJURY RATED IN 2005 ONLY.

TABLE 43.

BROWN PATCH / BIPOLARIS LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/

BROWN PATCH / BIPOLARIS LEAF SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	IL2	NAME	IL2
GOALKEEPER II (JR-114)	8.7	ACCENT II (JR-119)	6.7
OVERDRIVE	8.7	APPLE GL (AAZ-B104)	6.7
ATTRIBUTE (IS-PR 270)	8.3	ASP6001 (RTS)	6.7
FIJI (GPR)	8.0	ASP6006 (LPFG)	6.7
KEYSTONE 2 (IS-PR 312)	8.0	BAR LP 4920	6.7
MAJESTY II (VB77)	8.0	BUENA VISTA	6.7
PALACE (IS-PR 273)	8.0	CHARISMATIC II GLSR (LTP-PG-GLSR)	6.7
PALMER III	8.0	DASHER 3 (PICK RB-1)	6.7
REPELL GLS	8.0	DERBY XTREME (IS-PR 268)	6.7
FIREBOLT (PRG HS-01-09)	7.7	FIESTA 4 (PICK F4)	6.7
GALATTI (DP 17-9502)	7.7	HOMERUN (RG3P)	6.7
MACH I	7.7	INSPIRE	6.7
MONTEREY 3 (JR-408)	7.7	MMW	6.7
PALMER GLS (GL-2)	7.7	PARAGON GLR	6.7
PALMER V (RNS)	7.7	PIANIST (DP 17-9505)	6.7
PM 102	7.7	PREMIER	6.7
PRIMARY (IS-PR 269)	7.7	SECRETARIAT II GLSR (LTP-101-GLSR)	6.7
SILVER DOLLAR	7.7	STELLAR GL (IS-PR 236)	6.7
TRANSFORMER (D04-1667)	7.7	VB99	6.7
1G SQUARED (APR 1664)	7.3	BARLENNIUM	6.3
ALLSTAR 3 (IS-PR 274)	7.3	CABO II (IS-PR 233)	6.3
ASP6004 (EXS54)	7.3	CITATION FORE	6.3
CADDIESHACK II (JR-163)	7.3	DART (APR 1663)	6.3
CHIVALRY (APR 1648)	7.3	HAWKEYE 2 (SRX 4692)	6.3
CUTTER II (PM 101)	7.3	PALMER IV	6.3
FOREVER (DP 17-9499)	7.3	PANTHER	6.3
PROTOTYPE (DCM)	7.3	PENTIUM	6.3
SR 4600 (SRX 4SP)	7.3	PLEASURE SUPREME (PM 103)	6.3
ZOOM (LCK)	7.3	PREMIER II	6.3
AMAZING GS (IS-PR 276)	7.0	SRX 4682	6.3
ASP6003 (TRS)	7.0	WAYFARER (L44)	6.3
ASP6005 (AJM)	7.0	ASP6002 (BPR)	6.0
CALYPSO 3 (MS2)	7.0	BACCARAT (RAD-PR8)	6.0
E-99	7.0	BRIGHTSTAR SLT	6.0
EDGE II (AC2)	7.0	DEFENDER (D04-UP)	6.0
GRAND SLAM 2 (PST-2GSM)	7.0	FUSION	6.0
NOTABLE (AF)	7.0	GRAY FOX (PST-2MNG)	6.0
PACESETTER II (PS-2)	7.0	LS 2300 (APR 1670)	6.0
PANTHER GLS	7.0	PHENOM (APR 1660)	6.0
PINNACLE II	7.0	PICK 02-R	6.0
PLATEAU (PST-2LAN)	7.0	PINNACLE	6.0
REGAL 5 (IS-PR 271)	7.0	PRESIDIO (CNV)	6.0
REVENGE GLX (JR-348)	7.0	PST-2BLK	6.0
SOPRANO (DP1)	7.0	QUICKSILVER	6.0
TOP GUN II (JR-324)	7.0	RINGER II (04-BEN)	6.0
		TR47	6.0

TABLE 43. BROWN PATCH / BIPOLARIS LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/

BROWN PATCH / BIPOLARIS LEAF SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	IL2
UNO (D04-11T)	6.0
WIND DANCE 2 (PWDR)	6.0
D04-LP05	5.7
DP 17-9788	5.7
EXACTA II GLSR (LTP-611-GLSR)	5.7
HALO (KN42)	5.7
HEADSTART 2	5.7
LPR 02203	5.7
MANHATTAN 5 GLR (PST-2AM)	5.7
PST-217	5.7
PST-2AG4	5.7
SUNSHINE 2	5.7
AFFINITY	5.3
BAR LP 4420	5.3
DELAWARE XL (PICK 01-2)	5.3
ES45	5.3
GRAY STAR (PST-2LGL)	5.3
KOKOMO II (IS-PR 235)	5.3
LA QUINTA (JR-255)	5.3
LINE DRIVE GLS (APR 1797)	5.3
NEXUS XD (SP4)	5.3
NEXUS XR (SNR)	5.3
BAR LP 4317	5.0
LINN	4.7
PIZZAZZ	4.7
BREA (04-BRE)	4.3
HARRIER (SRX 4UP3)	4.0
PROTEGE GLR	3.7
LSD VALUE	1.6
C.V. (%)	15.4

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

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

3/ BROWN PATCH / BIPOLARIS LEAF SPOT RATED IN 2005 ONLY.

TABLE 44.

PERCENT PINK SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/ 3/

NAME	MN1	UT1	MEAN	NAME	MN1	UT1	MEAN
PST-2AG4	41.7	36.3	39.0	ASP6003 (TRS)	25.0	19.3	22.2
PST-2BLK	10.0	55.3	32.7	GRAY STAR (PST-2LGL)	23.3	21.0	22.2
MAJESTY II (VB77)	28.3	34.3	31.3	ASP6006 (LPFG)	23.3	20.7	22.0
ASP6001 (RTS)	30.0	31.0	30.5	D04-LP05	28.3	15.7	22.0
HARRIER (SRX 4UP3)	31.7	29.3	30.5	SR 4600 (SRX 4SP)	21.7	22.3	22.0
PALACE (IS-PR 273)	28.3	32.0	30.2	TR47	25.0	19.0	22.0
FIREBOLT (PRG HS-01-09)	40.0	19.7	29.8	LS 2300 (APR 1670)	26.7	17.0	21.8
PRIMARY (IS-PR 269)	30.0	27.7	28.8	BAR LP 4420	21.7	21.0	21.3
SUNSHINE 2	33.3	23.7	28.5	NEXUS XD (SP4)	25.0	17.7	21.3
VB99	33.3	23.0	28.2	APPLE GL (AAZ-B104)	23.3	19.0	21.2
NOTABLE (AF)	40.0	16.3	28.2	LPR 02203	13.3	28.7	21.0
CABO II (IS-PR 233)	31.7	22.3	27.0	WIND DANCE 2 (PWDR)	25.0	17.0	21.0
PLATEAU (PST-2LAN)	31.7	22.3	27.0	PRESIDIO (CNV)	21.7	20.0	20.8
DELAWARE XL (PICK 01-2)	35.0	18.7	26.8	1G SQUARED (APR 1664)	16.7	24.3	20.5
HAWKEYE 2 (SRX 4692)	18.3	35.0	26.7	GRAND SLAM 2 (PST-2GSM)	21.7	19.3	20.5
CUTTER II (PM 101)	36.7	15.3	26.0	PALMER V (RNS)	16.7	24.3	20.5
PALMER IV	38.3	13.7	26.0	PROTEGE GLR	23.3	17.0	20.2
BREA (04-BRE)	25.0	26.7	25.8	BAR LP 4317	23.3	16.7	20.0
DEFENDER (D04-UP)	35.0	16.7	25.8	ES45	15.0	24.7	19.8
PICK 02-R	31.7	20.0	25.8	GRAY FOX (PST-2MNG)	26.7	12.7	19.7
ASP6005 (AJM)	30.0	20.7	25.3	HOMERUN (RG3P)	23.3	16.0	19.7
FUSION	30.0	20.3	25.2	GALATTI (DP 17-9502)	16.7	22.3	19.5
ACCENT II (JR-119)	25.0	25.0	25.0	HALO (KN42)	20.0	19.0	19.5
DERBY XTREME (IS-PR 268)	33.3	16.7	25.0	SRX 4682	21.7	17.0	19.3
FIESTA 4 (PICK F4)	30.0	19.7	24.8	TOP GUN II (JR-324)	21.7	17.0	19.3
BAR LP 4920	26.7	22.7	24.7	EDGE II (AC2)	18.3	20.0	19.2
CADDIESHACK II (JR-163)	21.7	27.7	24.7	BUENA VISTA	21.7	16.3	19.0
REPELL GLS	20.0	29.3	24.7	PARAGON GLR	25.0	13.0	19.0
MONTEREY 3 (JR-408)	30.0	19.0	24.5	STELLAR GL (IS-PR 236)	20.0	17.7	18.8
NEXUS XR (SNR)	30.0	18.3	24.2	TRANSFORMER (D04-1667)	23.3	14.3	18.8
UNO (D04-11T)	26.7	21.3	24.0	KEYSTONE 2 (IS-PR 312)	16.7	20.7	18.7
REVENGE GLX (JR-348)	20.0	27.7	23.8	ATTRIBUTE (IS-PR 270)	23.3	13.7	18.5
RINGER II (04-BEN)	31.7	16.0	23.8	KOKOMO II (IS-PR 235)	23.3	13.7	18.5
LA QUINTA (JR-255)	25.0	22.3	23.7	PIZZAZZ	21.7	15.3	18.5
PACESETTER II (PS-2)	30.0	17.0	23.5	AMAZING GS (IS-PR 276)	21.7	15.0	18.3
REGAL 5 (IS-PR 271)	23.3	23.7	23.5	MANHATTAN 5 GLR (PST-2AM)	23.3	13.0	18.2
INSPIRE	18.3	28.3	23.3	MMW	16.7	19.0	17.8
CITATION FORE	20.0	26.3	23.2	PM 102	18.3	17.3	17.8
ASP6004 (EXS54)	28.3	17.7	23.0	LINN	17.5	18.0	17.8
CALYPSO 3 (MS2)	30.0	16.0	23.0	PREMIER II	13.3	22.0	17.7
FIJI (GPR)	20.0	26.0	23.0	PHENOM (APR 1660)	21.7	13.3	17.5
PIANIST (DP 17-9505)	23.3	22.7	23.0	BACCARAT (RAD-PR8)	20.0	14.7	17.3
WAYFARER (L44)	21.7	24.3	23.0	GOALKEEPER II (JR-114)	11.7	22.3	17.0
BARLENNIUM	18.3	27.0	22.7	MACH I	20.0	13.7	16.8
HEADSTART 2	25.0	20.0	22.5	FOREVER (DP 17-9499)	11.7	21.7	16.7
QUICKSILVER	15.0	30.0	22.5	ZOOM (LCK)	8.3	25.0	16.7

TABLE 44. PERCENT PINK SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/ 3/

NAME	MN1	UT1	MEAN
BRIGHTSTAR SLT	18.3	15.0	16.7
AFFINITY	20.0	12.7	16.3
PROTOTYPE (DCM)	18.3	14.3	16.3
DART (APR 1663)	18.3	14.0	16.2
DASHER 3 (PICK RB-1)	20.0	12.0	16.0
LINE DRIVE GLS (APR 1797)	15.0	17.0	16.0
PINNACLE	20.0	12.0	16.0
ALLSTAR 3 (IS-PR 274)	18.3	12.7	15.5
ASP6002 (BPR)	11.7	19.3	15.5
E-99	18.3	12.7	15.5
DP 17-9788	15.0	15.7	15.3
PANTHER GLS	15.0	15.7	15.3
PINNACLE II	13.3	17.3	15.3
PREMIER	15.0	15.3	15.2
SILVER DOLLAR	13.3	17.0	15.2
PALMER III	13.3	16.7	15.0
PST-217	11.7	18.3	15.0
SECRETARIAT II GLSR (LTP-101-GLSR)	11.7	18.3	15.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	15.0	14.7	14.8
OVERDRIVE	15.0	14.7	14.8
PALMER GLS (GL-2)	15.0	14.7	14.8
EXACTA II GLSR (LTP-611-GLSR)	16.7	12.7	14.7
PANTHER	15.0	14.0	14.5
PLEASURE SUPREME (PM 103)	15.0	14.0	14.5
SOPRANO (DP1)	13.3	15.0	14.2
PENTIUM	11.7	14.7	13.2
CHIVALRY (APR 1648)	13.3	11.0	12.2
LSD VALUE	19.8	14.1	16.9
C.V. (%)	55.1	44.1	49.6

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ PERCENT PINK SNOW MOLD RATED AT MN1" IN 2006, AT "UT1" IN 2005.

TABLE 45.

YELLOW PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/

YELLOW PATCH RATINGS 1-9; 9=NO DISEASE 3/

NAME	NE1	NAME	NE1
PALMER IV	6.7	PLEASURE SUPREME (PM 103)	4.0
LINE DRIVE GLS (APR 1797)	6.3	PREMIER II	4.0
ALLSTAR 3 (IS-PR 274)	5.7	SUNSHINE 2	4.0
SILVER DOLLAR	5.7	WIND DANCE 2 (PWDR)	4.0
FOREVER (DP 17-9499)	5.3	AFFINITY	3.7
PENTIUM	5.3	AMAZING GS (IS-PR 276)	3.7
PINNACLE	5.3	CHIVALRY (APR 1648)	3.7
DERBY XTREME (IS-PR 268)	5.0	FIESTA 4 (PICK F4)	3.7
EXACTA II GLSR (LTP-611-GLSR)	5.0	KEYSTONE 2 (IS-PR 312)	3.7
MAJESTY II (VB77)	5.0	KOKOMO II (IS-PR 235)	3.7
MMW	5.0	NEXUS XR (SNR)	3.7
OVERDRIVE	5.0	PIZZAZZ	3.7
REVENGE GLX (JR-348)	5.0	SOPRANO (DP1)	3.7
ACCENT II (JR-119)	4.7	TR47	3.7
BAR LP 4420	4.7	ASP6001 (RTS)	3.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.7	D04-LP05	3.3
DART (APR 1663)	4.7	DELAWARE XL (PICK 01-2)	3.3
PALACE (IS-PR 273)	4.7	DP 17-9788	3.3
PALMER V (RNS)	4.7	FIREBOLT (PRG HS-01-09)	3.3
PANTHER GLS	4.7	GRAY FOX (PST-2MNG)	3.3
PST-2AG4	4.7	HOMERUN (RG3P)	3.3
TOP GUN II (JR-324)	4.7	MACH I	3.3
APPLE GL (AAZ-B104)	4.3	MONTEREY 3 (JR-408)	3.3
ATTRIBUTE (IS-PR 270)	4.3	PACESETTER II (PS-2)	3.3
CABO II (IS-PR 233)	4.3	PALMER III	3.3
CITATION FORE	4.3	PANTHER	3.3
DASHER 3 (PICK RB-1)	4.3	PINNACLE II	3.3
GRAND SLAM 2 (PST-2GSM)	4.3	PREMIER	3.3
HALO (KN42)	4.3	PROTOTYPE (DCM)	3.3
PARAGON GLR	4.3	PST-2BLK	3.3
PLATEAU (PST-2LAN)	4.3	REPELL GLS	3.3
PRESIDIO (CNV)	4.3	RINGER II (04-BEN)	3.3
PRIMARY (IS-PR 269)	4.3	SR 4600 (SRX 4SP)	3.3
PST-217	4.3	TRANSFORMER (D04-1667)	3.3
ZOOM (LCK)	4.3	VB99	3.3
ASP6003 (TRS)	4.0	WAYFARER (L44)	3.3
ASP6005 (AJM)	4.0	ASP6004 (EXS54)	3.0
BAR LP 4920	4.0	ASP6006 (LPFG)	3.0
DEFENDER (D04-UP)	4.0	BACCARAT (RAD-PR8)	3.0
EDGE II (AC2)	4.0	BREA (04-BRE)	3.0
ES45	4.0	BRIGHTSTAR SLT	3.0
HEADSTART 2	4.0	FUSION	3.0
LINN	4.0	LA QUINTA (JR-255)	3.0
MANHATTAN 5 GLR (PST-2AM)	4.0	NOTABLE (AF)	3.0
NEXUS XD (SP4)	4.0	PIANIST (DP 17-9505)	3.0
PALMER GLS (GL-2)	4.0	PICK 02-R	3.0
PHENOM (APR 1660)	4.0	QUICKSILVER	3.0
		SECRETARIAT II GLSR (LTP-101-GLSR)	3.0

TABLE 45. YELLOW PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/

YELLOW PATCH RATINGS 1-9; 9=NO DISEASE 3/

NAME	NE1
UNO (D04-11T)	3.0
ASP6002 (BPR)	2.7
BAR LP 4317	2.7
CUTTER II (PM 101)	2.7
FIJI (GPR)	2.7
GOALKEEPER II (JR-114)	2.7
HARRIER (SRX 4UP3)	2.7
HAWKEYE 2 (SRX 4692)	2.7
INSPIRE	2.7
LPR 02203	2.7
PROTEGE GLR	2.7
REGAL 5 (IS-PR 271)	2.7
STELLAR GL (IS-PR 236)	2.7
GRAY STAR (PST-2LGL)	2.3
LS 2300 (APR 1670)	2.3
1G SQUARED (APR 1664)	2.0
BUENA VISTA	2.0
CALYPSO 3 (MS2)	2.0
E-99	2.0
CADDIESHACK II (JR-163)	1.7
GALATTI (DP 17-9502)	1.7
SRX 4682	1.7
BARLENNIUM	1.3
PM 102	1.3
LSD VALUE	2.8
C.V. (%)	47.5

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ PERCENT YELLOW PATCH RATED IN 2007 ONLY.

TABLE 46.

PERCENT DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/ 3/

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 46. PERCENT DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/ 3/

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
CHIVALRY (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.

3/ PERCENT DOLLAR SPOT RATED IN 2008 ONLY.

TABLE 47.

PERCENT RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/ 3/

NAME	RI1	NAME	RI1
DART (APR 1663)	33.7	PREMIER II	21.3
GRAY STAR (PST-2LGL)	28.7	PST-2AG4	21.3
CUTTER II (PM 101)	28.0	AFFINITY	21.0
TR47	28.0	ASP6004 (EXS54)	21.0
PALMER III	27.3	BARLENNIUM	21.0
FIJI (GPR)	27.0	LINE DRIVE GLS (APR 1797)	21.0
GRAY FOX (PST-2MNG)	27.0	PACESETTER II (PS-2)	21.0
REVENGE GLX (JR-348)	27.0	FUSION	20.7
SUNSHINE 2	26.7	NEXUS XR (SNR)	20.7
ASP6006 (LPFG)	26.3	PANTHER GLS	20.7
DELAWARE XL (PICK 01-2)	26.3	REPELL GLS	20.7
FIREBOLT (PRG HS-01-09)	26.0	GALATTI (DP 17-9502)	20.3
ASP6005 (AJM)	25.3	HOMERUN (RG3P)	20.3
E-99	25.3	NOTABLE (AF)	20.3
LINN	25.3	APPLE GL (AAZ-B104)	20.0
PHENOM (APR 1660)	25.3	ASP6002 (BPR)	20.0
CHIVALRY (APR 1648)	25.0	BAR LP 4317	20.0
PICK 02-R	25.0	BRIGHTSTAR SLT	20.0
SILVER DOLLAR	24.7	CABO II (IS-PR 233)	20.0
CITATION FORE	24.3	EDGE II (AC2)	20.0
PROTEGE GLR	24.3	SR 4600 (SRX 4SP)	20.0
ACCENT II (JR-119)	24.0	UNO (D04-11T)	20.0
PALMER V (RNS)	24.0	D04-LP05	19.7
BAR LP 4420	23.7	KOKOMO II (IS-PR 235)	19.7
ES45	23.7	PENTIUM	19.7
QUICKSILVER	23.7	PIZZAZZ	19.7
RINGER II (04-BEN)	23.7	DASHER 3 (PICK RB-1)	19.3
TOP GUN II (JR-324)	23.7	EXACTA II GLSR (LTP-611-GLSR)	19.3
HALO (KN42)	23.3	KEYSTONE 2 (IS-PR 312)	19.3
WIND DANCE 2 (PWDR)	23.3	LA QUINTA (JR-255)	19.3
PARAGON GLR	23.0	MANHATTAN 5 GLR (PST-2AM)	19.3
PINNACLE II	23.0	MMW	19.3
ASP6003 (TRS)	22.7	PST-217	19.3
GRAND SLAM 2 (PST-2GSM)	22.7	PST-2BLK	19.3
PALACE (IS-PR 273)	22.7	1G SQUARED (APR 1664)	19.0
DP 17-9788	22.5	CALYPSO 3 (MS2)	19.0
BAR LP 4920	22.3	DERBY XTREME (IS-PR 268)	19.0
BREA (04-BRE)	22.3	HAWKEYE 2 (SRX 4692)	19.0
LS 2300 (APR 1670)	22.3	INSPIRE	19.0
WAYFARER (L44)	22.3	MACH I	19.0
BACCARAT (RAD-PR8)	22.0	NEXUS XD (SP4)	19.0
PALMER GLS (GL-2)	22.0	ASP6001 (RTS)	18.7
PLATEAU (PST-2LAN)	22.0	HEADSTART 2	18.7
PLEASURE SUPREME (PM 103)	22.0	PM 102	18.7
FIESTA 4 (PICK F4)	21.7	PREMIER	18.7
FOREVER (DP 17-9499)	21.3	PRESIDIO (CNV)	18.7
PALMER IV	21.3	TRANSFORMER (D04-1667)	18.7
		ALLSTAR 3 (IS-PR 274)	17.7

TABLE 47. PERCENT RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 (CONT'D) 2005-09 DATA 2/ 3/

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

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ PERCENT RED THREAD RAT RATED IN 2009 ONLY.

TABLE 48.

PERCENT ANTHRACNOSE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/ 3/

NAME	RI1	NAME	RI1
LINN	38.7	D04-LP05	7.0
DELAWARE XL (PICK 01-2)	26.0	FUSION	7.0
ACCENT II (JR-119)	21.0	PST-217	7.0
REVENGE GLX (JR-348)	21.0	SR 4600 (SRX 4SP)	7.0
PINNACLE	20.7	SUNSHINE 2	7.0
PST-2BLK	20.7	BUENA VISTA	6.7
PHENOM (APR 1660)	20.3	CHARISMATIC II GLSR (LTP-PG-GLSR)	6.7
BAR LP 4420	19.7	GRAY FOX (PST-2MNG)	6.7
FOREVER (DP 17-9499)	19.3	HARRIER (SRX 4UP3)	6.7
CHIVALRY (APR 1648)	18.0	MAJESTY II (VB77)	6.7
TOP GUN II (JR-324)	18.0	ASP6005 (AJM)	6.3
BAR LP 4920	17.3	OVERDRIVE	6.3
PIANIST (DP 17-9505)	16.7	PACESETTER II (PS-2)	6.3
LA QUINTA (JR-255)	15.3	QUICKSILVER	6.3
BAR LP 4317	14.0	ASP6003 (TRS)	6.0
BARLENNIUM	13.0	ASP6006 (LPFG)	6.0
DEFENDER (D04-UP)	13.0	GRAND SLAM 2 (PST-2GSM)	6.0
LPR 02203	12.7	KOKOMO II (IS-PR 235)	6.0
PANTHER	11.7	ASP6002 (BPR)	5.7
LS 2300 (APR 1670)	11.3	BACCARAT (RAD-PR8)	5.7
MANHATTAN 5 GLR (PST-2AM)	11.3	CUTTER II (PM 101)	5.7
PINNACLE II	11.3	MACH I	5.7
PREMIER II	11.3	PALMER GLS (GL-2)	5.7
SRX 4682	11.3	PALMER III	5.7
SECRETARIAT II GLSR (LTP-101-GLSR)	11.0	REGAL 5 (IS-PR 271)	5.7
REPELL GLS	10.7	BRIGHTSTAR SLT	5.3
GALATTI (DP 17-9502)	10.0	PIZZAZZ	5.3
PREMIER	10.0	1G SQUARED (APR 1664)	5.0
NEXUS XD (SP4)	9.7	ASP6001 (RTS)	5.0
GOALKEEPER II (JR-114)	9.3	INSPIRE	5.0
CABO II (IS-PR 233)	8.7	PALACE (IS-PR 273)	5.0
GRAY STAR (PST-2LGL)	8.7	RINGER II (04-BEN)	5.0
NEXUS XR (SNR)	8.7	SOPRANO (DP1)	5.0
PRESIDIO (CNV)	8.7	DASHER 3 (PICK RB-1)	4.7
FIJI (GPR)	8.3	FIREBOLT (PRG HS-01-09)	4.7
HAWKEYE 2 (SRX 4692)	8.3	PARAGON GLR	4.7
TR47	8.3	PROTOTYPE (DCM)	4.7
AFFINITY	8.0	PST-2AG4	4.7
HEADSTART 2	8.0	CITATION FORE	4.3
CADDIESHACK II (JR-163)	7.7	DERBY XTREME (IS-PR 268)	4.3
E-99	7.7	HALO (KN42)	4.3
LINE DRIVE GLS (APR 1797)	7.7	PENTIUM	4.3
ES45	7.3	UNO (D04-11T)	4.3
PANTHER GLS	7.3	WIND DANCE 2 (PWDR)	4.3
TRANSFORMER (D04-1667)	7.3	DP 17-9788	4.0
ASP6004 (EXS54)	7.0	PM 102	4.0
		VB99	4.0
		EXACTA II GLSR (LTP-611-GLSR)	3.7

TABLE 48. PERCENT ANTHRACNOSE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/ 3/

NAME	RI1
FIESTA 4 (PICK F4)	3.7
MONTEREY 3 (JR-408)	3.7
PICK 02-R	3.7
WAYFARER (L44)	3.7
APPLE GL (AAZ-B104)	3.3
BREA (04-BRE)	3.3
DART (APR 1663)	3.3
MMW	3.3
NOTABLE (AF)	3.3
PALMER IV	3.3
SILVER DOLLAR	3.3
ZOOM (LCK)	3.3
ALLSTAR 3 (IS-PR 274)	3.0
PALMER V (RNS)	3.0
ATTRIBUTE (IS-PR 270)	2.7
EDGE II (AC2)	2.7
PLEASURE SUPREME (PM 103)	2.7
PROTEGE GLR	2.7
CALYPSO 3 (MS2)	2.3
HOMERUN (RG3P)	2.3
STELLAR GL (IS-PR 236)	2.3
PRIMARY (IS-PR 269)	2.0
AMAZING GS (IS-PR 276)	1.7
KEYSTONE 2 (IS-PR 312)	1.3
PLATEAU (PST-2LAN)	1.3
LSD VALUE	10.1
C.V. (%)	79.9

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

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

3/ PERCENT ANTHRACNOSE RATED IN 2007 ONLY.

TABLE 49.

BROWN BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/

BROWN BLIGHT RATINGS 1-9; 9=NO DISEASE 3/

NAME	OR1	NAME	OR1
ALLSTAR 3 (IS-PR 274)	9.0	REPELL GLS	8.0
AMAZING GS (IS-PR 276)	9.0	SECRETARIAT II GLSR (LTP-101-GLSR)	8.0
APPLE GL (AAZ-B104)	9.0	CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7
ATTRIBUTE (IS-PR 270)	9.0	CITATION FORE	7.7
BUENA VISTA	9.0	PIANIST (DP 17-9505)	7.7
CABO II (IS-PR 233)	9.0	ASP6004 (EXS54)	7.3
CHIVALRY (APR 1648)	9.0	BAR LP 4420	7.3
DASHER 3 (PICK RB-1)	9.0	LINE DRIVE GLS (APR 1797)	7.3
DERBY XTREME (IS-PR 268)	9.0	SILVER DOLLAR	7.3
EXACTA II GLSR (LTP-611-GLSR)	9.0	ASP6006 (LPFG)	7.0
FIESTA 4 (PICK F4)	9.0	BREA (04-BRE)	7.0
FUSION	9.0	DELAWARE XL (PICK 01-2)	7.0
HARRIER (SRX 4UP3)	9.0	E-99	7.0
HOMERUN (RG3P)	9.0	ES45	7.0
KOKOMO II (IS-PR 235)	9.0	FIREBOLT (PRG HS-01-09)	7.0
PALACE (IS-PR 273)	9.0	FOREVER (DP 17-9499)	7.0
PALMER GLS (GL-2)	9.0	GALATTI (DP 17-9502)	7.0
PALMER IV	9.0	LA QUINTA (JR-255)	7.0
PALMER V (RNS)	9.0	LS 2300 (APR 1670)	7.0
PRIMARY (IS-PR 269)	9.0	MAJESTY II (VB77)	7.0
PROTEGE GLR	9.0	PIZZAZZ	7.0
REGAL 5 (IS-PR 271)	9.0	PST-217	7.0
REVENGE GLX (JR-348)	9.0	SRX 4682	7.0
SOPRANO (DP1)	9.0	VB99	7.0
SR 4600 (SRX 4SP)	9.0	BACCARAT (RAD-PR8)	6.7
STELLAR GL (IS-PR 236)	9.0	HEADSTART 2	6.7
UNO (D04-11T)	9.0	MANHATTAN 5 GLR (PST-2AM)	6.7
ZOOM (LCK)	9.0	NEXUS XD (SP4)	6.7
1G SQUARED (APR 1664)	8.7	PANTHER GLS	6.7
DEFENDER (D04-UP)	8.7	PICK 02-R	6.7
KEYSTONE 2 (IS-PR 312)	8.7	PRESIDIO (CNV)	6.7
MMW	8.7	RINGER II (04-BEN)	6.7
NOTABLE (AF)	8.7	SUNSHINE 2	6.7
PARAGON GLR	8.7	TRANSFORMER (D04-1667)	6.7
PHENOM (APR 1660)	8.7	AFFINITY	6.3
PINNACLE II	8.7	ASP6003 (TRS)	6.3
CUTTER II (PM 101)	8.3	BARLENNIUM	6.3
DART (APR 1663)	8.3	GRAY FOX (PST-2MNG)	6.3
GRAND SLAM 2 (PST-2GSM)	8.3	PLEASURE SUPREME (PM 103)	6.3
PM 102	8.3	PST-2AG4	6.3
CALYPSO 3 (MS2)	8.0	QUICKSILVER	6.3
D04-LP05	8.0	TR47	6.3
MACH I	8.0	WIND DANCE 2 (PWDR)	6.3
OVERDRIVE	8.0	ASP6002 (BPR)	6.0
PROTOTYPE (DCM)	8.0	BAR LP 4920	6.0
		BRIGHTSTAR SLT	6.0

TABLE 49. BROWN BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/

BROWN BLIGHT RATINGS 1-9; 9=NO DISEASE 3/

NAME	OR1
DP 17-9788	6.0
FIJI (GPR)	6.0
GRAY STAR (PST-2LGL)	6.0
HALO (KN42)	6.0
HAWKEYE 2 (SRX 4692)	6.0
NEXUS XR (SNR)	6.0
PACESETTER II (PS-2)	6.0
PLATEAU (PST-2LAN)	6.0
WAYFARER (L44)	6.0
ASP6005 (AJM)	5.7
EDGE II (AC2)	5.7
PANTHER	5.7
TOP GUN II (JR-324)	5.7
CADDIESHACK II (JR-163)	5.3
INSPIRE	5.3
PALMER III	5.3
GOALKEEPER II (JR-114)	5.0
PENTIUM	5.0
PREMIER	5.0
PREMIER II	5.0
ASP6001 (RTS)	4.7
MONTEREY 3 (JR-408)	4.7
PINNACLE	4.7
PST-2BLK	4.7
BAR LP 4317	4.3
ACCENT II (JR-119)	4.0
LPR 02203	3.7
LINN	3.3
LSD VALUE	1.4
C.V. (%)	11.8

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

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

3/ BROWN BLIGHT RATED IN 2005 ONLY.

TABLE 50.

SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/

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

NAME	UT1	NAME	UT1
1G SQUARED (APR 1664)	5.6	KEYSTONE 2 (IS-PR 312)	4.4
PALMER IV	5.6	PREMIER II	4.4
BARLENNIUM	5.0	REVENGE GLX (JR-348)	4.4
CITATION FORE	5.0	WIND DANCE 2 (PWDR)	4.4
DERBY XTREME (IS-PR 268)	5.0	ZOOM (LCK)	4.4
BAR LP 4317	4.9	ASP6002 (BPR)	4.3
REPELL GLS	4.9	ASP6006 (LPFG)	4.3
SECRETARIAT II GLSR (LTP-101-GLSR)	4.9	BAR LP 4420	4.3
MONTEREY 3 (JR-408)	4.9	BUENA VISTA	4.3
PINNACLE	4.9	EDGE II (AC2)	4.3
ACCENT II (JR-119)	4.8	FOREVER (DP 17-9499)	4.3
INSPIRE	4.8	LS 2300 (APR 1670)	4.3
PALMER V (RNS)	4.8	MMW	4.3
PARAGON GLR	4.8	PRESIDIO (CNV)	4.3
STELLAR GL (IS-PR 236)	4.8	CHARISMATIC II GLSR (LTP-PG-GLSR)	4.2
AMAZING GS (IS-PR 276)	4.7	DP 17-9788	4.2
ASP6001 (RTS)	4.7	EXACTA II GLSR (LTP-611-GLSR)	4.2
ASP6004 (EXS54)	4.7	KOKOMO II (IS-PR 235)	4.2
FUSION	4.7	MANHATTAN 5 GLR (PST-2AM)	4.2
PANTHER GLS	4.7	PALACE (IS-PR 273)	4.2
PROTOTYPE (DCM)	4.7	PIANIST (DP 17-9505)	4.2
REGAL 5 (IS-PR 271)	4.7	PIZZAZZ	4.2
CUTTER II (PM 101)	4.6	PM 102	4.2
FIJI (GPR)	4.6	PRIMARY (IS-PR 269)	4.2
PANTHER	4.6	DASHER 3 (PICK RB-1)	4.1
PENTIUM	4.6	GRAY FOX (PST-2MNG)	4.1
SOPRANO (DP1)	4.6	HEADSTART 2	4.1
TOP GUN II (JR-324)	4.6	LINN	4.1
TRANSFORMER (D04-1667)	4.6	PACESETTER II (PS-2)	4.1
APPLE GL (AAZ-B104)	4.6	PREMIER	4.1
ASP6003 (TRS)	4.6	ATTRIBUTE (IS-PR 270)	4.1
BACCARAT (RAD-PR8)	4.6	CHIVALRY (APR 1648)	4.1
HARRIER (SRX 4UP3)	4.6	DEFENDER (D04-UP)	4.1
MACH I	4.6	DELAWARE XL (PICK 01-2)	4.1
MAJESTY II (VB77)	4.6	ES45	4.1
UNO (D04-11T)	4.6	FIREBOLT (PRG HS-01-09)	4.1
SILVER DOLLAR	4.6	NEXUS XD (SP4)	4.1
BAR LP 4920	4.4	OVERDRIVE	4.1
BREA (O4-BRE)	4.4	PALMER GLS (GL-2)	4.1
PINNACLE II	4.4	PLEASURE SUPREME (PM 103)	4.1
AFFINITY	4.4	PST-2AG4	4.1
CALYPSO 3 (MS2)	4.4	RINGER II (O4-BEN)	4.1
FIESTA 4 (PICK F4)	4.4	SR 4600 (SRX 4SP)	4.1
GRAND SLAM 2 (PST-2GSM)	4.4	WAYFARER (L44)	4.1
HOMERUN (RG3P)	4.4	ALLSTAR 3 (IS-PR 274)	4.0
		ASP6005 (AJM)	4.0

TABLE 50. SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/

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

NAME	UT1
BRIGHTSTAR SLT	4.0
DART (APR 1663)	4.0
GRAY STAR (PST-2LGL)	4.0
HAWKEYE 2 (SRX 4692)	4.0
LINE DRIVE GLS (APR 1797)	4.0
PHENOM (APR 1660)	4.0
PROTEGE GLR	4.0
PST-217	4.0
SUNSHINE 2	4.0
GOALKEEPER II (JR-114)	4.0
CADDIESHACK II (JR-163)	3.9
HALO (KN42)	3.9
LA QUINTA (JR-255)	3.9
NOTABLE (AF)	3.9
TR47	3.9
E-99	3.9
NEXUS XR (SNR)	3.9
PALMER III	3.9
PLATEAU (PST-2LAN)	3.9
VB99	3.9
SRX 4682	3.8
QUICKSILVER	3.7
CABO II (IS-PR 233)	3.6
D04-LP05	3.6
PICK 02-R	3.6
LPR 02203	3.6
GALATTI (DP 17-9502)	3.4
PST-2BLK	3.3
LSD VALUE	2.2
C.V. (%)	31.4

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

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

3/ SNOW MOLD RATED IN 2007-09.

TABLE 51. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT BLACKSBURG, VA 1/
 2005-09 DATA
 RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE	JULY	AUGUST	MEAN
MMW	8.0	7.7	8.0	7.9
PREMIER	8.3	6.7	8.3	7.8
ALLSTAR 3 (IS-PR 274)	8.3	8.3	6.3	7.7
HOMERUN (RG3P)	8.3	9.0	5.7	7.7
LINN	9.0	7.0	7.0	7.7
SILVER DOLLAR	8.0	8.0	7.0	7.7
GRAND SLAM 2 (PST-2GSM)	8.0	7.3	7.3	7.6
LS 2300 (APR 1670)	7.3	8.3	7.0	7.6
PST-217	8.0	7.7	7.0	7.6
RINGER II (04-BEN)	8.0	7.3	7.3	7.6
CALYPSO 3 (MS2)	8.7	7.7	6.0	7.4
CITATION FORE	8.0	7.7	6.7	7.4
D04-LP05	8.0	8.3	6.0	7.4
PINNACLE	7.7	7.3	7.3	7.4
PLATEAU (PST-2LAN)	8.3	7.7	6.3	7.4
PST-2BLK	8.7	8.7	5.0	7.4
REPELL GLS	8.3	8.7	5.3	7.4
BARLENNIUM	8.3	6.0	7.7	7.3
DEFENDER (D04-UP)	8.0	7.3	6.7	7.3
FIESTA 4 (PICK F4)	8.7	7.3	6.0	7.3
GRAY FOX (PST-2MNG)	7.3	8.3	6.3	7.3
QUICKSILVER	8.0	7.7	6.3	7.3
REVENGE GLX (JR-348)	9.0	8.0	5.0	7.3
ATTRIBUTE (IS-PR 270)	8.0	8.0	5.7	7.2
E-99	8.0	6.7	7.0	7.2
ES45	7.3	7.0	7.3	7.2
MACH I	8.0	6.7	7.0	7.2
MONTEREY 3 (JR-408)	8.0	6.7	7.0	7.2
PALACE (IS-PR 273)	8.0	8.3	5.3	7.2
PALMER IV	8.3	8.0	5.3	7.2
PHENOM (APR 1660)	8.3	8.7	4.7	7.2
ASP6001 (RTS)	8.7	7.7	5.0	7.1
ASP6002 (BPR)	8.0	7.3	6.0	7.1
CABO II (IS-PR 233)	7.7	7.7	6.0	7.1
GOALKEEPER II (JR-114)	8.3	8.0	5.0	7.1
HALO (KN42)	8.3	7.7	5.3	7.1
PENTIUM	8.0	8.0	5.3	7.1
PRESIDIO (CNV)	8.7	7.7	5.0	7.1
SUNSHINE 2	8.0	7.0	6.3	7.1
BRIGHTSTAR SLT	8.0	6.7	6.3	7.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	8.3	7.3	5.3	7.0
CHIVALRY (APR 1648)	8.0	8.3	4.7	7.0
DELAWARE XL (PICK 01-2)	8.0	7.7	5.3	7.0
FIJI (GPR)	8.3	8.0	4.7	7.0
GRAY STAR (PST-2LGL)	9.0	7.3	4.7	7.0
LA QUINTA (JR-255)	7.7	7.3	6.0	7.0
LINE DRIVE GLS (APR 1797)	7.0	8.0	6.0	7.0

TABLE 51. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) AT BLACKSBURG, VA 1/
 2005-09 DATA
 RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE	JULY	AUGUST	MEAN
MANHATTAN 5 GLR (PST-2AM)	7.7	8.0	5.3	7.0
PACESETTER II (PS-2)	8.0	8.0	5.0	7.0
PALMER III	7.0	7.7	6.3	7.0
PST-2AG4	8.0	8.0	5.0	7.0
SRX 4682	8.3	7.3	5.3	7.0
TOP GUN II (JR-324)	8.7	7.3	5.0	7.0
TR47	8.7	7.0	5.3	7.0
ASP6004 (EXS54)	7.3	7.3	6.0	6.9
BAR LP 4420	8.0	6.3	6.3	6.9
EXACTA II GLSR (LTP-611-GLSR)	8.3	7.3	5.0	6.9
HARRIER (SRX 4UP3)	8.3	6.0	6.3	6.9
HAWKEYE 2 (SRX 4692)	7.7	7.3	5.7	6.9
HEADSTART 2	8.0	7.7	5.0	6.9
LPR 02203	9.0	8.0	3.7	6.9
NEXUS XD (SP4)	8.3	8.0	4.3	6.9
NEXUS XR (SNR)	8.7	7.7	4.3	6.9
OVERDRIVE	8.0	8.3	4.3	6.9
PANTHER	8.0	7.3	5.3	6.9
PANTHER GLS	8.3	7.7	4.7	6.9
UNO (D04-11T)	8.0	6.7	6.0	6.9
ZOOM (LCK)	8.0	7.7	5.0	6.9
AMAZING GS (IS-PR 276)	8.3	7.3	4.7	6.8
ASP6003 (TRS)	7.3	8.0	5.0	6.8
BAR LP 4920	7.7	6.3	6.3	6.8
BREA (04-BRE)	8.0	6.3	6.0	6.8
DERBY XTREME (IS-PR 268)	7.0	8.0	5.3	6.8
KOKOMO II (IS-PR 235)	7.3	8.3	4.7	6.8
PARAGON GLR	7.0	6.7	6.7	6.8
PRIMARY (IS-PR 269)	7.7	7.7	5.0	6.8
PROTOTYPE (DCM)	7.3	7.7	5.3	6.8
STELLAR GL (IS-PR 236)	7.3	8.3	4.7	6.8
WAYFARER (L44)	8.3	7.3	4.7	6.8
AFFINITY	7.3	6.0	6.7	6.7
INSPIRE	7.3	6.3	6.3	6.7
KEYSTONE 2 (IS-PR 312)	7.7	7.0	5.3	6.7
NOTABLE (AF)	7.7	7.3	5.0	6.7
PIANIST (DP 17-9505)	8.0	7.7	4.3	6.7
PIZZAZZ	8.3	7.7	4.0	6.7
PLEASURE SUPREME (PM 103)	7.3	6.3	6.3	6.7
PREMIER II	8.0	5.7	6.3	6.7
REGAL 5 (IS-PR 271)	8.3	6.3	5.3	6.7
VB99	8.0	6.3	5.7	6.7
1G SQUARED (APR 1664)	7.7	6.3	5.7	6.6
ASP6006 (LPFG)	8.0	7.3	4.3	6.6
BAR LP 4317	7.3	7.0	5.3	6.6
DART (APR 1663)	7.0	8.0	4.7	6.6
DASHER 3 (PICK RB-1)	8.3	6.7	4.7	6.6

TABLE 51. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) AT BLACKSBURG, VA 1/
 2005-09 DATA
 RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	JUNE	JULY	AUGUST	MEAN
EDGE II (AC2)	8.0	7.0	4.7	6.6
FIREBOLT (PRG HS-01-09)	8.3	6.7	4.7	6.6
PICK 02-R	8.0	7.3	4.3	6.6
WIND DANCE 2 (PWDR)	7.7	7.7	4.3	6.6
BACCARAT (RAD-PR8)	7.7	7.3	4.3	6.4
BUENA VISTA	7.3	7.7	4.3	6.4
CADDIESHACK II (JR-163)	8.0	6.3	5.0	6.4
DP 17-9788	8.0	7.7	3.7	6.4
PALMER GLS (GL-2)	8.3	6.7	4.3	6.4
PALMER V (RNS)	7.0	8.0	4.3	6.4
SECRETARIAT II GLSR (LTP-101-GLSR)	8.0	8.0	3.3	6.4
SOPRANO (DP1)	7.7	6.3	5.3	6.4
SR 4600 (SRX 4SP)	7.3	5.3	6.7	6.4
FUSION	7.7	7.3	4.0	6.3
PM 102	7.0	7.0	5.0	6.3
PROTEGE GLR	7.0	6.3	5.7	6.3
ACCENT II (JR-119)	7.7	7.3	3.7	6.2
APPLE GL (AAZ-B104)	6.7	6.7	5.3	6.2
GALATTI (DP 17-9502)	8.3	5.3	5.0	6.2
TRANSFORMER (D04-1667)	7.3	6.3	5.0	6.2
FOREVER (DP 17-9499)	7.0	6.0	5.3	6.1
MAJESTY II (VB77)	7.7	5.3	5.3	6.1
ASP6005 (AJM)	7.3	6.7	4.0	6.0
CUTTER II (PM 101)	7.3	6.0	4.0	5.8
PINNACLE II	7.3	5.0	4.3	5.6
LSD VALUE	3.9	3.4	5.8	2.2
C.V. (%)	11.0	16.2	29.6	9.7

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

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

3/ RED THREAD RATED IN 2006 ONLY.

TABLE 52. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 AT ST. PAUL, MN 1/
 2005-09 DATA
 CROWN RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	JULY 12	JULY 25	MEAN
EXACTA II GLSR (LTP-611-GLSR)	7.3	7.3	7.3
NOTABLE (AF)	7.3	7.3	7.3
PALMER V (RNS)	8.0	6.7	7.3
DASHER 3 (PICK RB-1)	7.3	7.0	7.2
ALLSTAR 3 (IS-PR 274)	7.0	7.0	7.0
CHIVALRY (APR 1648)	7.7	6.3	7.0
KEYSTONE 2 (IS-PR 312)	7.3	6.0	6.7
MMW	7.0	6.3	6.7
PALMER GLS (GL-2)	7.3	6.0	6.7
DERBY XTREME (IS-PR 268)	7.3	5.7	6.5
PROTEGE GLR	6.7	6.3	6.5
SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	6.3	6.5
SOPRANO (DP1)	7.3	5.7	6.5
1G SQUARED (APR 1664)	6.7	6.0	6.3
APPLE GL (AAZ-B104)	6.7	6.0	6.3
PANTHER GLS	7.0	5.7	6.3
SR 4600 (SRX 4SP)	7.3	5.3	6.3
ZOOM (LCK)	7.0	5.7	6.3
DEFENDER (D04-UP)	6.7	5.7	6.2
MANHATTAN 5 GLR (PST-2AM)	6.7	5.7	6.2
PRIMARY (IS-PR 269)	7.0	5.3	6.2
CABO II (IS-PR 233)	7.0	5.0	6.0
PALACE (IS-PR 273)	6.7	5.3	6.0
PALMER IV	7.0	5.0	6.0
PST-217	6.0	6.0	6.0
REGAL 5 (IS-PR 271)	6.3	5.7	6.0
UNO (D04-11T)	6.7	5.3	6.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.7	5.0	5.8
FIESTA 4 (PICK F4)	6.7	5.0	5.8
GRAND SLAM 2 (PST-2GSM)	6.3	5.3	5.8
HARRIER (SRX 4UP3)	6.7	5.0	5.8
PLATEAU (PST-2LAN)	6.3	5.3	5.8
ATTRIBUTE (IS-PR 270)	6.3	5.0	5.7
BUENA VISTA	6.0	5.3	5.7
PARAGON GLR	6.3	5.0	5.7
AMAZING GS (IS-PR 276)	6.7	4.3	5.5
D04-LP05	6.0	5.0	5.5
PINNACLE II	6.7	4.3	5.5
PIZZAZZ	6.7	4.3	5.5
PROTOTYPE (DCM)	6.3	4.7	5.5
REPELL GLS	6.0	5.0	5.5
REVENGE GLX (JR-348)	6.3	4.7	5.5
STELLAR GL (IS-PR 236)	6.3	4.7	5.5
BREA (O4-BRE)	5.7	5.0	5.3
HOMERUN (RG3P)	6.0	4.7	5.3
KOKOMO II (IS-PR 235)	6.3	4.3	5.3
PST-2AG4	6.0	4.7	5.3

TABLE 52. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) AT ST. PAUL, MN 1/
 2005-09 DATA
 CROWN RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	JULY 12	JULY 25	MEAN
E-99	5.3	5.0	5.2
FUSION	5.7	4.7	5.2
MACH I	6.3	4.0	5.2
OVERDRIVE	5.7	4.7	5.2
VB99	6.0	4.3	5.2
BAR LP 4317	5.0	5.0	5.0
CALYPSO 3 (MS2)	5.3	4.7	5.0
DART (APR 1663)	6.3	3.7	5.0
GRAY FOX (PST-2MNG)	5.3	4.7	5.0
PRESIDIO (CNV)	6.0	4.0	5.0
QUICKSILVER	5.3	4.7	5.0
BRIGHTSTAR SLT	5.0	4.7	4.8
ES45	5.7	4.0	4.8
FIJI (GPR)	5.7	4.0	4.8
BAR LP 4920	5.3	4.0	4.7
CUTTER II (PM 101)	5.3	4.0	4.7
LINE DRIVE GLS (APR 1797)	5.0	4.3	4.7
LINN	4.7	4.7	4.7
RINGER II (04-BEN)	5.3	4.0	4.7
TRANSFORMER (D04-1667)	5.3	4.0	4.7
MAJESTY II (VB77)	5.0	4.0	4.5
NEXUS XR (SNR)	5.0	4.0	4.5
SUNSHINE 2	5.0	4.0	4.5
WAYFARER (L44)	5.3	3.7	4.5
ACCENT II (JR-119)	4.7	4.0	4.3
ASP6003 (TRS)	5.0	3.7	4.3
ASP6004 (EXS54)	5.0	3.7	4.3
ASP6006 (LPFG)	5.3	3.3	4.3
BACCARAT (RAD-PR8)	5.3	3.3	4.3
CITATION FORE	5.0	3.7	4.3
PLEASURE SUPREME (PM 103)	4.7	4.0	4.3
WIND DANCE 2 (PWDR)	4.7	4.0	4.3
BAR LP 4420	4.3	4.0	4.2
DP 17-9788	5.0	3.3	4.2
FOREVER (DP 17-9499)	4.7	3.7	4.2
GALATTI (DP 17-9502)	5.3	3.0	4.2
GRAY STAR (PST-2LGL)	5.0	3.3	4.2
LA QUINTA (JR-255)	4.7	3.7	4.2
PIANIST (DP 17-9505)	5.0	3.3	4.2
PICK 02-R	4.3	4.0	4.2
ASP6005 (AJM)	4.7	3.3	4.0
HALO (KN42)	5.0	3.0	4.0
INSPIRE	4.7	3.3	4.0
NEXUS XD (SP4)	5.0	3.0	4.0
PALMER III	4.3	3.7	4.0
SILVER DOLLAR	5.0	3.0	4.0
SRX 4682	4.3	3.7	4.0

TABLE 52. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) AT ST. PAUL, MN 1/
 2005-09 DATA
 CROWN RUST RATINGS 1-9; 9=NO DISEASE 2/

NAME	JULY 12	JULY 25	MEAN
ASP6002 (BPR)	4.3	3.3	3.8
EDGE II (AC2)	4.0	3.7	3.8
HAWKEYE 2 (SRX 4692)	4.7	3.0	3.8
FIREBOLT (PRG HS-01-09)	4.0	3.3	3.7
HEADSTART 2	4.3	3.0	3.7
MONTEREY 3 (JR-408)	4.3	3.0	3.7
PANTHER	4.3	3.0	3.7
PST-2BLK	4.7	2.7	3.7
TOP GUN II (JR-324)	3.7	3.7	3.7
TR47	4.7	2.7	3.7
DELAWARE XL (PICK 01-2)	4.0	3.0	3.5
PACESETTER II (PS-2)	4.0	3.0	3.5
PHENOM (APR 1660)	4.3	2.7	3.5
AFFINITY	3.7	3.0	3.3
BARLENNIUM	4.0	2.7	3.3
LS 2300 (APR 1670)	4.0	2.7	3.3
PREMIER II	4.3	2.3	3.3
ASP6001 (RTS)	3.7	2.7	3.2
CADDIESHACK II (JR-163)	3.3	3.0	3.2
GOALKEEPER II (JR-114)	3.3	3.0	3.2
LPR 02203	3.7	2.7	3.2
PINNACLE	3.3	3.0	3.2
PENTIUM	4.0	2.0	3.0
PM 102	3.3	2.3	2.8
PREMIER	2.7	2.7	2.7
LSD VALUE	1.4	1.4	1.2
C.V. (%)	16.0	20.5	15.5

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

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

3/ CROWN RUST RATED IN 2005 ONLY.

TABLE 53.

SUMMER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/

SUMMER COLOR RATINGS 1-9; 9=BEST 3/

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

TABLE 53. SUMMER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/

SUMMER COLOR RATINGS 1-9; 9=BEST 3/

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

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

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

3/ SUMMER COLOR RATED IN 2009 ONLY.

TABLE 54.

LOW TEMPERATURE INJURY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2005-09 DATA 2/

LOW TEMPERATURE INJURY RATINGS 1-9; 9=NO INJURY 3/

NAME	SD1	NAME	SD1
BREA (04-BRE)	6.7	PACESETTER II (PS-2)	5.7
EDGE II (AC2)	6.7	PM 102	5.7
WAYFARER (L44)	6.7	PROTEGE GLR	5.7
ASP6001 (RTS)	6.3	PST-2AG4	5.7
ASP6002 (BPR)	6.3	REGAL 5 (IS-PR 271)	5.7
CABO II (IS-PR 233)	6.3	TOP GUN II (JR-324)	5.7
DELAWARE XL (PICK 01-2)	6.3	VB99	5.7
FIREBOLT (PRG HS-01-09)	6.3	1G SQUARED (APR 1664)	5.3
LA QUINTA (JR-255)	6.3	AMAZING GS (IS-PR 276)	5.3
MAJESTY II (VB77)	6.3	ASP6006 (LPFG)	5.3
OVERDRIVE	6.3	BUENA VISTA	5.3
PICK 02-R	6.3	CADDIESHACK II (JR-163)	5.3
PRESIDIO (CNV)	6.3	DERBY XTREME (IS-PR 268)	5.3
SUNSHINE 2	6.3	GALATTI (DP 17-9502)	5.3
TRANSFORMER (D04-1667)	6.3	GRAY FOX (PST-2MNG)	5.3
ALLSTAR 3 (IS-PR 274)	6.0	INSPIRE	5.3
CALYPSO 3 (MS2)	6.0	KOKOMO II (IS-PR 235)	5.3
CUTTER II (PM 101)	6.0	LS 2300 (APR 1670)	5.3
DO4-LP05	6.0	MMW	5.3
DASHER 3 (PICK RB-1)	6.0	MONTEREY 3 (JR-408)	5.3
DP 17-9788	6.0	NEXUS XD (SP4)	5.3
E-99	6.0	NOTABLE (AF)	5.3
FOREVER (DP 17-9499)	6.0	PALACE (IS-PR 273)	5.3
GOALKEEPER II (JR-114)	6.0	PALMER IV	5.3
HAWKEYE 2 (SRX 4692)	6.0	PANTHER GLS	5.3
HEADSTART 2	6.0	PST-217	5.3
KEYSTONE 2 (IS-PR 312)	6.0	PST-2BLK	5.3
NEXUS XR (SNR)	6.0	REPELL GLS	5.3
PARAGON GLR	6.0	REVENGE GLX (JR-348)	5.3
PIANIST (DP 17-9505)	6.0	RINGER II (04-BEN)	5.3
PLEASURE SUPREME (PM 103)	6.0	SOPRANO (DP1)	5.3
SR 4600 (SRX 4SP)	6.0	UNO (D04-11T)	5.3
TR47	6.0	ZOOM (LCK)	5.3
WIND DANCE 2 (PWDR)	6.0	ACCENT II (JR-119)	5.0
ASP6003 (TRS)	5.7	APPLE GL (AAZ-B104)	5.0
ASP6004 (EXS54)	5.7	BACCARAT (RAD-PR8)	5.0
ASP6005 (AJM)	5.7	BAR LP 4317	5.0
ATTRIBUTE (IS-PR 270)	5.7	BAR LP 4420	5.0
CHIVALRY (APR 1648)	5.7	BAR LP 4920	5.0
ES45	5.7	DEFENDER (D04-UP)	5.0
FIESTA 4 (PICK F4)	5.7	EXACTA II GLSR (LTP-611-GLSR)	5.0
FIJI (GPR)	5.7	FUSION	5.0
GRAY STAR (PST-2LGL)	5.7	LINE DRIVE GLS (APR 1797)	5.0
HALO (KN42)	5.7	MACH I	5.0
MANHATTAN 5 GLR (PST-2AM)	5.7	PALMER V (RNS)	5.0
		PHENOM (APR 1660)	5.0

TABLE 54. LOW TEMPERATURE INJURY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2005-09 DATA 2/

LOW TEMPERATURE INJURY RATINGS 1-9; 9=NO INJURY 3/

NAME	SD1
PRIMARY (IS-PR 269)	5.0
PROTOTYPE (DCM)	5.0
STELLAR GL (IS-PR 236)	5.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.7
CITATION FORE	4.7
GRAND SLAM 2 (PST-2GSM)	4.7
HARRIER (SRX 4UP3)	4.7
LPR 02203	4.7
PALMER III	4.7
PINNACLE II	4.7
PIZZAZZ	4.7
QUICKSILVER	4.7
SECRETARIAT II GLSR (LTP-101-GLSR)	4.7
SRX 4682	4.7
HOMERUN (RG3P)	4.3
PALMER GLS (GL-2)	4.3
PENTIUM	4.3
PLATEAU (PST-2LAN)	4.3
SILVER DOLLAR	4.3
BRIGHTSTAR SLT	4.0
PINNACLE	4.0
BARLENNIUM	3.7
DART (APR 1663)	3.3
PREMIER	3.0
PANTHER	2.7
PREMIER II	2.7
AFFINITY	2.3
LSD VALUE	1.5
C.V. (%)	17.0

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ LOW TEMPERATURE INJURY RATED IN 2005 ONLY.

SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS */
2005-09 DATA
TURFGRASS QUALITY RATINGS 1 9; 9=IDEAL TURF **/

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/	NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
1G SQUARED (APR 1664)	5.9	37.5	GOALKEEPER II (JR-114)	5.5	4.2
ACCENT II (JR-119)	5.7	20.8	GRAND SLAM 2 (PST-2GSM)	5.9	29.2
AFFINITY	4.7	0.0	GRAY FOX (PST-2MNG)	5.8	16.7
ALLSTAR 3 (IS-PR 274)	6.2	66.7	GRAY STAR (PST-2LGL)	5.7	4.2
AMAZING GS (IS-PR 276)	6.1	62.5	HALO (KN42)	5.4	4.2
APPLE GL (AAZ-B104)	6.0	41.7	HARRIER (SRX 4UP3)	5.8	20.8
ASP6001 (RTS)	5.6	12.5	HAWKEYE 2 (SRX 4692)	5.6	8.3
ASP6002 (BPR)	5.7	8.3	HEADSTART 2	5.4	4.2
ASP6003 (TRS)	5.7	20.8	HOMERUN (RG3P)	6.1	70.8
ASP6004 (EXS54)	5.9	33.3	INSPIRE	5.5	4.2
ASP6005 (AJM)	5.6	16.7	KEYSTONE 2 (IS-PR 312)	6.1	66.7
ASP6006 (LPFG)	5.7	33.3	KOKOMO II (IS-PR 235)	5.9	33.3
ATTRIBUTE (IS-PR 270)	6.0	41.7	LA QUINTA (JR-255)	5.5	8.3
BACCARAT (RAD-PR8)	5.7	4.2	LINE DRIVE GLS (APR 1797)	5.9	29.2
BAR LP 4317	5.5	16.7	LINN	2.7	0.0
BAR LP 4420	5.5	4.2	LPR 02203	4.6	4.2
BAR LP 4920	5.3	8.3	LS 2300 (APR 1670)	5.7	16.7
BARLENNIUM	5.4	0.0	MACH I	5.8	37.5
BREA (04-BRE)	5.5	0.0	MAJESTY II (VB77)	5.9	37.5
BRIGHTSTAR SLT	5.5	16.7	MANHATTAN 5 GLR (PST-2AM)	5.8	33.3
BUENA VISTA	5.8	16.7	MMW	6.0	45.8
CABO II (IS-PR 233)	5.7	20.8	MONTEREY 3 (JR-408)	5.6	12.5
CADDIESHACK II (JR-163)	5.6	12.5	NEXUS XD (SP4)	5.6	8.3
CALYPSO 3 (MS2)	5.8	25.0	NEXUS XR (SNR)	5.7	8.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.8	29.2	NOTABLE (AF)	5.9	41.7
CHIVALRY (APR 1648)	6.0	50.0	OVERDRIVE	5.9	25.0
CITATION FORE	5.7	16.7	PACESETTER II (PS-2)	5.5	4.2
CUTTER II (PM 101)	5.9	50.0	PALACE (IS-PR 273)	6.0	41.7
D04-LP05	5.6	12.5	PALMER GLS (GL-2)	6.0	54.2
DART (APR 1663)	5.8	8.3	PALMER III	5.2	0.0
DASHER 3 (PICK RB-1)	6.0	41.7	PALMER IV	6.0	54.2
DEFENDER (D04-UP)	5.7	20.8	PALMER V (RNS)	6.1	62.5
DELAWARE XL (PICK 01-2)	5.6	12.5	PANTHER	5.0	0.0
DERBY XTREME (IS-PR 268)	6.1	70.8	PANTHER GLS	6.0	37.5
DP 17-9788	5.4	0.0	PARAGON GLR	6.1	58.3
E-99	5.6	8.3	PENTIUM	5.6	8.3
EDGE II (AC2)	5.8	16.7	PHENOM (APR 1660)	5.6	8.3
ES45	5.6	12.5	PIANIST (DP 17-9505)	5.3	0.0
EXACTA II GLSR (LTP-611-GLSR)	6.1	58.3	PICK 02-R	5.3	8.3
FIESTA 4 (PICK F4)	6.1	66.7	PINNACLE	4.4	0.0
FIJI (GPR)	5.8	41.7	PINNACLE II	5.6	8.3
FIREBOLT (PRG HS-01-09)	5.6	12.5	PIZZAZZ	5.6	25.0
FOREVER (DP 17-9499)	5.6	20.8	PLATEAU (PST-2LAN)	5.7	20.8
FUSION	5.7	12.5	PLEASURE SUPREME (PM 103)	5.8	16.7
GALATTI (DP 17-9502)	5.5	4.2	PM 102	5.5	4.2

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS */
(CONT'D) 2005-09 DATA

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

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
PREMIER	4.6	0.0
PREMIER II	5.3	0.0
PRESIDIO (CNV)	5.7	25.0
PRIMARY (IS-PR 269)	6.0	41.7
PROTEGE GLR	5.9	33.3
PROTOTYPE (DCM)	5.9	37.5
PST-217	5.7	12.5
PST-2AG4	5.7	20.8
PST-2BLK	5.5	4.2
QUICKSILVER	5.5	8.3
REGAL 5 (IS-PR 271)	6.0	41.7
REPELL GLS	5.8	25.0
REVENGE GLX (JR-348)	6.1	58.3
RINGER II (04-BEN)	5.6	8.3
SECRETARIAT II GLSR (LTP-101-GLSR)	5.9	20.8
SILVER DOLLAR	6.0	45.8
SOPRANO (DP1)	6.1	45.8
SR 4600 (SRX 4SP)	6.0	62.5
SRX 4682	5.4	8.3
STELLAR GL (IS-PR 236)	5.9	33.3
SUNSHINE 2	5.5	12.5
TOP GUN II (JR-324)	5.7	16.7
TR47	5.8	33.3
TRANSFORMER (D04-1667)	6.0	50.0
UNO (D04-11T)	6.2	70.8
VB99	5.7	41.7
WAYFARER (L44)	5.5	0.0
WIND DANCE 2 (PWDR)	5.7	25.0
ZOOM (LCK)	6.1	58.3
LSD VALUE	0.2	
C.V. (%)	10.8	

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

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

1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.

2/ MAXIMUM IN TOP 25% THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.