

## 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 2006

<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
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 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	All*Star 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	SRX 4692	Seed Research of Oregon
12	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	VB77	Landmark Seed Company	*55	La Quinta (JR-255)	Jacklin Seed/Simplot	*95	Headstart 2	Seed Research of Oregon
16	L44	LESCO, Inc.	*56	Overdrive	Burlingham Seeds, LLC	*96	Calypto 3 (MS2)	Pickseed
*17	ASP6003 (TRS)	Allied Seed	57	PST-217	Pure-Seed Testing, Inc.	*97	Repell GLS	ProSeeds Marketing
*18	ASP6002 (BPR)	Allied Seed	*58	Manhattan 5 GLR (PST-2AM)	Pure-Seed Testing, Inc.	*98	Panther GLS	ProSeeds Marketing
*19	ASP6005 (AJM)	Allied Seed	59	PST-2BLK	Pure-Seed Testing, Inc.	*99	GL-2	ProSeeds Marketing
*20	ASP6006 (LPGF)	Allied Seed	60	PST-2MNG	Scotts Turf-Seed	*100	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	PST-2LAN	Scotts Turf-Seed	*103	Edge II (AC2)	Pickseed
*24	Nexus XD (SP4)	Smith Seed Services	64	04-BEN	Oregro Seed, Inc.	*104	Pleasure Supreme (PM 103)	Ampac
*25	Nexus XR (SNR)	Smith Seed Services	65	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	D04-UP	The Scotts Company
*28	Accent II (JR-119)	Jacklin Seed/Simplot	68	Pick 02-R	Pickseed	108	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	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	DP1	Pennington Seed Company	*72	Apple GL (AAZ-B104)	Z Seeds/Mountain View Seeds	112	APR 1648	Ultra-Turf
33	MMW	Pennington Seed Company	*73	Homerun (RG3P)	Mountain View Seeds	113	APR 1670	Lewis Seed Co.
*34	1G Squared (APR 1664)	Pennington Seed Company	74	DCM	LESCO, Inc.	*114	Premier	Standard Entry
*35	Mach I	Standard Entry	75	AF	LESCO, Inc.	*115	Pinnacle	Standard Entry
*36	Dasher 3 (Pick RB-1)	Pickseed	76	PS-2	LESCO, Inc.	*116	Linn	Standard Entry
*37	Zoom (LCK)	Seed Research of Oregon	*77	Palmer III	Standard Entry	117	DP 17-9499	DLF-Trifolium A/S
*38	Regal 5 (IS-PR 271)	DLF International Seed, Inc.	78	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 2007.

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

TABLE A.

2006 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	-	-	-	-	-	-	-	-
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	ONLY DURING SEVERE STRESS
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
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
MI2	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
MN1	SILTY CLAY LOAM	7.1-7.5	61-150	151-240	3.1-4.0	FULL SUN	1.6-2.0	NO IRRIGATION
MO1	SILT LOAM AND SILT	6.6-7.0	61-150	151-240	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT 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	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
NY2	SANDY LOAM	6.1-6.5	151-270	241-375	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
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	SILT LOAM AND SILT	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	-	-	5.1-6.0	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	1.6-2.0	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	5.6-6.0	61-150	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 2006

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
IL1				X	X	X	X	X	X	X			X	X	
IL2			X	X	X	X	X	X	X	X	X	X	X		
IN1				X	X	X	X	X	X	X			X	X	
KY1			X	X	X	X	X	X	X	X					
MA1			X	X	X	X	X	X	X	X	X	X	X	X	
MI1				X	X	X	X	X	X	X	X		X	X	X
MI2															
MN1				X	X	X	X	X	X	X			X	X	
MO1				X	X	X	X	X	X	X	X		X		
ND1															
NE1				X	X	X	X	X	X	X					
NE2				X	X	X	X	X	X	X					
NJ1				X	X	X	X	X	X	X	X		X		
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			
OR1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
PA1					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	
SD1					X	X	X	X	X	X			X	X	
UT1				X	X	X	X	X	X	X			X	X	
VA1			X	X		X	X	X	X	X	X		X	X	
WA1				X	X	X	X	X	X	X			X	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 2006

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DOLLAR SPOT	RED THREAD	BROWN PATCH WARM TEMP.	FALL COLOR OCTOBER	POA ANNUA	PERCENT PINK KNOW MOLD	PERCENT CRABGRASS	RED THREAD RATING JUNE	RED THREAD RATING JULY	RED THREAD RATING AUGUST
IA1																	
IL1																	
IL2																	
IN1																	
KY1					X												
MA1						X						X					
MI1	X	X	X	X	X	X											
MI2				X		X											
MN1													X				
MO1								X									
ND1				X													
NE1	X	X	X							X							
NE2	X	X	X							X							
NJ1																	
NY1															X		
NY2															X		
OK1						X		X									
OR1									X								
PA1																	
QE1	X	X	X														
RI1									X								
SD1																	
UT1																	
VA1															X	X	X
WA1																	
*WA3	X			X	X	X					X						
WI1																	

\* MORE TRAFFIC STUDY DATA FOR WA3 IN TABLE 12.

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT SIX LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" \*\*/  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	NE1	RI1	SD1	UT1	MEAN
* FIESTA 4 (PICK F4)	7.6	6.6	5.8	5.9	6.8	6.0	6.4
* EXACTA II GLSR (LTP-611-GLSR)	6.9	7.2	5.9	5.9	6.1	6.5	6.4
D04-11T	7.1	6.5	5.8	5.9	6.1	7.0	6.4
* ALL*STAR 3 (IS-PR 274)	7.0	7.3	5.3	6.5	6.5	5.4	6.3
* SILVER DOLLAR	7.4	7.0	6.1	5.9	6.2	5.3	6.3
MMW	7.0	6.5	6.2	6.4	5.6	6.4	6.3
* DASHER 3 (PICK RB-1)	7.1	6.6	6.0	5.7	6.2	6.4	6.3
* DP1	7.0	7.4	5.5	6.0	6.2	5.9	6.3
* REVENGE GLX (JR-348)	7.6	6.5	6.0	6.3	6.2	5.2	6.3
* ASP6004 (EXS54)	8.1	5.4	5.7	6.2	6.8	5.7	6.3
* ATTRIBUTE (IS-PR 270)	7.6	6.0	5.4	6.3	6.4	5.8	6.3
* AMAZING GS (IS-PR 276)	7.2	6.8	5.0	6.3	6.1	6.1	6.3
* PRIMARY (IS-PR 269)	6.9	6.1	5.8	5.6	6.8	6.2	6.2
D04-1667	6.7	7.0	5.5	6.1	6.2	6.0	6.2
* DERBY XTREME (IS-PR 268)	7.0	6.2	5.9	6.0	6.6	5.7	6.2
* CUTTER II (PM 101)	8.6	2.9	6.5	6.1	6.6	6.6	6.2
* ZOOM (LCK)	7.4	6.0	5.5	6.2	6.3	5.6	6.2
* KEYSTONE 2 (IS-PR 312)	7.0	5.9	5.3	6.3	6.8	5.8	6.2
* HOMERUN (RG3P)	7.1	5.9	5.7	6.0	6.4	5.5	6.1
* PARAGON GLR	6.4	6.3	5.5	5.9	6.9	5.6	6.1
* RNS	7.0	6.2	5.3	5.9	6.3	5.8	6.1
* HARRIER (SRX 4UP3)	6.9	7.2	5.1	6.0	5.8	5.6	6.1
* PALACE (IS-PR 273)	7.7	5.2	4.7	6.1	6.3	6.5	6.1
* 1G SQUARED (APR 1664)	6.8	6.5	5.7	5.4	5.5	6.3	6.0
* PLEASURE SUPREME (PM 103)	7.2	5.0	6.3	5.6	6.3	5.8	6.0
* SR 4600 (SRX 4SP)	6.4	6.6	4.9	5.9	5.9	6.4	6.0
VB99	7.5	4.3	5.4	6.1	6.4	6.3	6.0
* LINE DRIVE GLS (APR 1797)	6.6	7.3	5.4	5.4	5.7	5.7	6.0
TR47	7.5	4.9	6.3	6.2	5.3	5.8	6.0
* PANTHER GLS	6.8	6.8	5.7	5.6	6.0	5.1	6.0
* CABO II (IS-PR 233)	7.5	5.8	5.1	6.2	6.1	5.2	6.0
* MACH I	7.2	3.8	6.5	5.9	6.3	6.0	6.0
DCM	7.2	5.0	5.7	5.3	6.6	6.1	6.0
* PRESIDIO (CNV)	7.9	4.8	6.2	6.0	6.2	4.8	6.0
* PINNACLE II	7.5	4.7	5.7	5.9	6.7	5.3	6.0
AF	6.7	6.7	5.2	6.0	6.2	4.9	6.0
* SECRETARIAT II GLSR (LTP-101-GLSR)	6.9	6.3	5.2	5.6	6.1	5.6	5.9
* WIND DANCE 2 (PWDR)	7.5	4.7	5.4	6.1	6.2	5.8	5.9
* ASP6001 (RTS)	7.6	4.5	6.0	6.1	5.8	5.6	5.9
* DART (APR 1663)	6.7	6.7	5.2	5.3	5.8	6.0	5.9
* GL-2	7.2	5.4	5.9	5.7	6.4	5.0	5.9
* ASP6003 (TRS)	7.7	3.6	5.5	6.5	6.1	6.2	5.9
* BUENA VISTA	7.3	5.1	5.3	5.6	6.1	6.0	5.9
* TOP GUN II (JR-324)	7.4	3.5	5.7	6.3	6.6	5.9	5.9
D04-UP	6.7	6.0	5.9	5.6	6.0	5.3	5.9

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" \*\*/  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	NE1	RI1	SD1	UT1	MEAN
* STELLAR GL (IS-PR 236)	7.2	6.3	5.0	5.6	6.2	5.0	5.9
* GRAY STAR (PST-2LGL)	7.3	5.5	4.8	5.7	6.3	5.8	5.9
* ACCENT II (JR-119)	6.8	4.6	5.4	6.2	5.9	6.6	5.9
APR 1670	6.0	7.0	4.9	5.7	6.0	5.8	5.9
* CADDIESHACK II (JR-163)	7.0	5.1	5.0	5.8	5.8	6.6	5.9
GPR	7.4	4.5	5.6	5.7	6.6	5.6	5.9
* CALYPSO 3 (MS2)	7.8	3.8	5.1	6.1	6.1	6.3	5.9
* FIREBOLT (PRG HS-01-09)	7.7	4.5	5.3	5.2	6.3	6.2	5.9
RAD-PR8	6.6	5.3	5.4	5.7	6.4	6.0	5.9
* NEXUS XR (SNR)	7.1	4.6	5.1	5.9	5.9	6.5	5.9
PST-2MNG	7.2	6.1	5.4	5.6	5.8	5.1	5.9
* PALMER IV	7.0	6.9	5.2	5.7	5.2	5.1	5.9
* REGAL 5 (IS-PR 271)	7.3	4.9	5.0	6.7	5.6	5.7	5.8
PST-2LAN	6.9	5.8	5.0	5.9	6.1	5.5	5.8
* EDGE II (AC2)	7.0	5.0	5.6	5.8	6.3	5.2	5.8
* ASP6006 (LPFG)	7.4	3.5	5.7	6.4	6.1	5.9	5.8
* ASP6005 (AJM)	7.7	4.3	6.0	6.0	6.2	4.8	5.8
APR 1648	6.4	3.7	5.8	6.3	6.4	6.4	5.8
* GRAND SLAM 2 (PST-2GSM)	6.9	6.4	4.6	5.4	6.1	5.5	5.8
* CITATION FORE	7.0	5.2	5.3	5.6	6.0	5.7	5.8
* PHENOM (APR 1660)	5.6	7.0	4.9	5.2	6.4	5.5	5.8
* APPLE GL (AAZ-B104)	7.0	7.3	4.9	5.6	5.4	4.5	5.8
* KOKOMO II (IS-PR 235)	7.2	5.5	5.6	5.7	5.7	5.0	5.8
VB77	7.6	4.5	5.7	5.7	5.8	5.2	5.8
* PROTEGE GLR	7.0	5.8	5.5	5.6	6.2	4.5	5.8
* CHARISMATIC II GLSR (LTP-PG-GLSR)	7.0	6.3	5.4	5.6	5.7	4.4	5.7
DP 17-9499	6.8	2.6	6.0	5.8	6.8	6.1	5.7
* NEXUS XD (SP4)	7.6	4.4	5.0	6.0	5.8	5.3	5.7
* MANHATTAN 5 GLR (PST-2AM)	6.7	6.7	4.8	5.5	5.4	5.0	5.7
DP 17-9788	6.0	5.4	5.2	5.7	5.6	6.3	5.7
SRX 4692	6.1	6.8	4.7	5.4	4.8	6.4	5.7
* OVERDRIVE	6.6	5.5	5.7	5.5	5.9	4.9	5.7
* REPELL GLS	6.3	5.6	5.0	5.3	5.9	5.8	5.7
* SUNSHINE 2	7.9	2.5	5.4	5.8	7.3	5.0	5.7
* FUSION	7.1	4.6	4.9	5.7	6.2	5.3	5.6
PICK 02-R	8.0	2.5	5.6	5.5	5.7	6.2	5.6
* ASP6002 (BPR)	6.7	3.7	5.3	6.4	5.9	5.6	5.6
ES45	6.9	4.8	5.7	5.5	5.9	4.9	5.6
E-99	6.7	4.0	5.8	5.7	6.1	5.3	5.6
PST-2AG4	7.3	5.3	5.3	5.1	5.6	4.9	5.6
PST-217	6.1	5.4	5.2	5.7	5.9	5.0	5.5
* MONTEREY 3 (JR-408)	7.3	3.8	5.4	5.0	5.9	5.6	5.5
GALATTI (DP 17-9502)	7.1	3.5	4.7	5.7	6.4	5.4	5.5
* QUICKSILVER	6.7	4.3	4.8	5.3	5.9	5.9	5.5
PM 102	7.1	3.8	5.2	5.7	5.6	5.4	5.5
BAR LP 4420	7.0	3.8	5.4	5.1	5.9	5.6	5.5

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT SIX LOCATIONS IN THE U.S. AND CANADA 1/  
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" \*\*/  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IN1	KY1	NE1	RI1	SD1	UT1	MEAN
* HALO (KN42)	7.2	3.9	5.1	5.8	6.1	4.7	5.5
O4-BEN	7.0	4.2	4.9	5.3	5.8	5.6	5.4
L44	6.8	3.5	4.9	5.9	5.9	5.5	5.4
* PIZAZZ	6.7	1.7	5.4	5.9	6.7	6.2	5.4
* DELAWARE XL (PICK 01-2)	7.3	3.2	5.6	5.5	6.2	4.7	5.4
BAR LP 4317	6.3	5.0	5.0	5.5	5.4	5.3	5.4
* LA QUINTA (JR-255)	7.2	3.7	4.9	5.3	5.8	5.5	5.4
O4-BRE	6.2	4.3	4.9	5.2	5.9	5.7	5.4
PS-2	7.0	2.3	5.9	5.4	6.1	5.2	5.3
SRX 4682	6.0	6.2	4.6	5.2	5.1	4.9	5.3
PST-2BLK	7.1	4.9	4.9	5.2	5.4	4.4	5.3
* PREMIER II	6.0	3.4	5.0	5.3	5.9	6.3	5.3
* INSPIRE	6.8	3.1	4.9	5.3	5.6	6.2	5.3
* PENTIUM	6.1	4.6	4.5	5.4	6.1	5.0	5.3
* GOALKEEPER II (JR-114)	6.5	3.2	5.5	5.2	6.3	5.0	5.3
* HEADSTART 2	7.3	3.1	4.8	5.4	5.9	5.1	5.3
PIANIST (DP 17-9505)	6.5	2.8	5.2	5.5	6.1	5.1	5.2
D04-LP05	7.0	3.4	4.8	5.2	5.8	5.0	5.2
* BARLENNIUM	6.1	2.8	4.6	5.3	6.0	6.2	5.2
* PALMER III	6.2	3.1	5.3	5.0	5.9	5.0	5.1
* BRIGHTSTAR SLT	6.7	3.2	4.3	5.3	5.3	5.5	5.1
BAR LP 4920	6.0	1.6	5.3	5.2	6.5	5.5	5.0
* PANTHER	6.2	1.7	4.8	5.1	6.3	5.2	4.9
* AFFINITY	4.3	4.2	3.9	4.8	5.4	5.0	4.6
LPR 02203	5.2	1.0	4.1	4.6	4.4	4.8	4.0
* PREMIER	4.6	3.3	3.4	4.3	4.1	4.2	4.0
* PINNACLE	3.8	3.1	3.0	4.2	4.2	4.6	3.8
* LINN	2.3	1.1	1.1	2.2	2.0	3.6	2.0
LSD VALUE	0.8	1.7	1.1	0.7	0.8	1.7	0.5
C.V. (%)	7.5	21.6	13.3	7.8	7.8	19.6	13.3

\* COMMERCIALY AVAILABLE IN THE USA IN 2006.

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

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

\*\*/ SCHEDULE A

1/2 - 3/4 INCH MOWING HEIGHT

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

IRRIGATION TO PREVENT STRESS OR DORMANCY

FUNGICIDES ONLY TO PREVENT SEVERE STAND LOSS

INSECTICIDES ONLY TO PREVENT STAND LOSS

WEED CONTROL APPLIED AS NEEDED TO PREVENT STAND LOSS

TABLE 2.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/  
USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" \*/  
2006 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	MI1	NJ1	OR1	PA1	VA1	WA1	WI1	MEAN
PALACE (IS-PR 273)	6.3	5.9	5.8	6.2	6.7	7.9	7.2	5.6	7.8	6.6
D04-11T	5.6	5.0	7.2	6.9	6.9	7.7	6.8	5.6	7.4	6.6
ZOOM (LCK)	5.8	5.4	6.2	6.6	6.9	7.7	6.4	5.0	8.7	6.5
PARAGON GLR	5.8	5.3	6.9	5.7	6.9	7.2	7.0	5.2	7.9	6.4
PRIMARY (IS-PR 269)	6.1	5.3	6.5	6.4	6.8	6.6	7.1	5.1	7.8	6.4
FIESTA 4 (PICK F4)	4.8	4.9	6.5	6.8	6.9	7.3	6.9	5.6	8.0	6.4
DERBY XTREME (IS-PR 268)	5.9	5.3	6.3	6.5	6.8	7.4	6.8	5.4	7.0	6.4
KEYSTONE 2 (IS-PR 312)	6.2	5.1	6.7	6.2	6.9	7.2	6.7	5.0	7.4	6.4
REGAL 5 (IS-PR 271)	6.3	4.7	6.3	6.6	6.9	7.9	6.3	5.2	7.2	6.4
AMAZING GS (IS-PR 276)	5.7	4.6	6.5	7.0	6.9	7.9	6.6	5.2	6.9	6.4
HOMERUN (RG3P)	5.9	5.8	6.4	6.5	6.8	7.5	7.5	5.3	5.6	6.4
APR 1648	6.1	5.8	5.8	5.5	6.8	6.4	7.0	5.7	8.4	6.4
REVENGE GLX (JR-348)	5.6	5.5	6.2	5.8	6.6	7.6	7.2	5.2	7.4	6.3
SILVER DOLLAR	6.1	6.0	4.9	6.8	6.8	7.1	6.9	5.2	7.4	6.3
ALL*STAR 3 (IS-PR 274)	5.0	4.3	6.5	7.2	7.0	7.6	6.7	4.9	7.7	6.3
PANTHER GLS	6.2	6.2	5.5	6.6	6.7	6.8	6.3	4.9	7.8	6.3
KOKOMO II (IS-PR 235)	5.0	5.5	6.6	6.3	7.1	6.7	7.2	5.3	7.3	6.3
GL-2	5.8	5.4	6.5	6.0	6.5	7.2	6.3	5.5	7.4	6.3
D04-1667	6.6	5.4	5.3	6.2	6.8	7.2	6.5	5.5	7.2	6.3
RNS	5.8	4.6	6.5	6.5	6.7	7.6	6.4	5.2	7.3	6.3
GRAND SLAM 2 (PST-2GSM)	5.7	5.1	5.5	6.5	6.4	7.1	7.0	5.0	7.8	6.2
SECRETARIAT II GLSR (LTP-101-GLSR)	5.4	5.2	5.9	5.8	6.7	7.0	6.9	5.1	8.3	6.2
OVERDRIVE	6.1	5.0	6.0	5.5	6.8	7.1	6.7	5.2	7.8	6.2
PST-2LAN	6.2	6.2	5.9	5.0	6.7	6.7	7.0	4.7	7.7	6.2
MANHATTAN 5 GLR (PST-2AM)	6.3	5.9	6.0	5.0	6.6	6.5	6.7	5.0	8.0	6.2
STELLAR GL (IS-PR 236)	5.8	5.0	6.7	5.6	6.8	7.1	6.9	5.1	7.0	6.2
GPR	5.1	5.1	6.2	5.4	6.9	7.6	6.6	5.3	7.6	6.2
SR 4600 (SRX 4SP)	5.1	5.5	6.5	6.1	6.5	6.0	6.5	5.6	7.8	6.2
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.1	5.4	5.8	5.9	6.8	6.2	6.9	5.2	7.2	6.2
DCM	5.2	6.2	6.2	6.0	6.7	6.9	7.0	4.8	6.6	6.2
ATTRIBUTE (IS-PR 270)	5.3	4.5	5.9	6.5	6.9	7.2	7.0	5.0	7.1	6.2
APPLE GL (AAZ-B104)	5.8	5.2	6.7	5.6	6.9	6.8	6.5	5.0	7.0	6.2
ASP6002 (BPR)	5.4	4.8	6.1	5.3	6.8	7.3	6.6	5.9	7.4	6.2
PALMER IV	5.9	4.8	5.7	5.9	6.7	7.3	6.7	5.3	7.2	6.2
PLEASURE SUPREME (PM 103)	5.3	5.4	6.1	5.4	6.6	7.2	6.2	5.7	7.6	6.2
EXACTA II GLSR (LTP-611-GLSR)	6.0	4.2	6.0	6.0	6.7	7.2	7.0	5.5	6.7	6.1
PST-2MNG	5.1	5.4	5.5	6.1	6.7	7.1	6.8	5.0	7.6	6.1
HARRIER (SRX 4UP3)	5.4	5.4	5.9	5.9	6.7	6.3	6.8	4.6	8.2	6.1
MACH I	6.4	4.5	6.4	4.6	6.9	7.2	6.3	5.5	7.5	6.1
DP1	5.5	4.8	6.6	5.8	6.9	7.3	6.6	5.1	6.6	6.1
PROTEGE GLR	5.3	4.4	6.7	6.0	7.0	6.7	6.5	4.9	7.5	6.1
DASHER 3 (PICK RB-1)	5.0	4.9	6.8	6.6	6.7	6.7	6.4	4.9	7.2	6.1
1G SQUARED (APR 1664)	5.4	4.8	6.8	5.8	6.5	6.9	6.6	5.4	6.9	6.1
REPELL GLS	6.2	5.3	5.7	5.1	6.8	6.7	7.2	4.8	7.2	6.1
EDGE II (AC2)	5.1	5.0	6.2	5.1	6.8	7.2	6.3	5.3	7.8	6.1

TABLE 2.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/  
USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" \*/  
2006 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	MI1	NJ1	OR1	PA1	VA1	WA1	WI1	MEAN
ASP6005 (AJM)	5.6	4.6	6.1	5.2	6.8	7.2	6.2	5.6	7.6	6.1
ASP6004 (EXS54)	5.7	4.5	5.9	5.8	6.8	7.3	6.8	5.4	6.6	6.1
TOP GUN II (JR-324)	5.9	5.6	6.2	4.7	6.4	6.7	6.7	5.0	7.6	6.1
LINE DRIVE GLS (APR 1797)	5.6	4.8	5.8	5.9	6.8	6.6	6.5	5.3	7.6	6.1
ASP6003 (TRS)	5.1	4.7	5.7	4.9	6.9	7.6	6.3	5.5	7.9	6.1
GRAY STAR (PST-2LGL)	5.5	5.0	5.8	5.3	6.6	6.9	6.3	5.7	7.4	6.1
PST-2AG4	5.9	5.3	5.0	6.5	6.5	7.3	6.5	4.8	6.8	6.1
CABO II (IS-PR 233)	5.2	5.3	6.7	5.3	6.8	6.7	6.9	5.9	5.7	6.1
CUTTER II (PM 101)	6.0	4.6	6.5	4.7	6.9	7.3	5.6	5.7	7.2	6.1
BUENA VISTA	6.2	4.9	6.4	5.1	6.8	6.7	6.9	5.2	6.3	6.1
DO4-UP	6.3	4.4	6.6	5.8	6.9	6.5	6.8	4.8	6.3	6.1
FUSION	6.6	4.4	6.4	5.8	6.7	6.7	6.5	4.6	6.8	6.0
DART (APR 1663)	5.6	4.6	6.4	5.9	6.5	6.7	6.5	5.1	7.2	6.0
PST-217	6.0	6.2	6.0	5.0	6.7	6.6	7.0	4.4	6.6	6.0
PRESIDIO (CNV)	5.6	4.8	5.9	5.0	6.8	7.1	6.4	5.5	7.3	6.0
AF	5.6	4.5	5.7	6.2	6.6	7.1	6.5	4.6	7.5	6.0
CALYPSO 3 (MS2)	5.6	3.9	6.0	5.2	6.7	7.3	6.5	5.9	6.9	6.0
INSPIRE	5.9	6.1	5.4	4.6	6.6	7.1	6.6	4.9	6.9	6.0
E-99	5.2	6.2	5.1	5.5	6.3	6.4	6.8	5.0	7.4	6.0
RAD-PR8	5.6	5.6	5.8	4.9	6.5	6.8	6.2	5.1	7.2	6.0
SRX 4692	4.9	6.0	4.8	6.2	6.4	6.8	6.2	4.9	7.5	5.9
MMW	5.6	4.2	5.6	6.3	6.8	6.8	6.7	5.4	5.9	5.9
VB77	4.7	5.2	5.2	4.9	6.8	7.3	6.5	5.2	7.6	5.9
PS-2	5.9	4.4	5.5	4.5	6.7	6.6	6.9	5.2	7.8	5.9
DO4-LP05	5.3	5.2	5.6	4.2	6.8	6.6	6.9	5.3	7.4	5.9
DELAWARE XL (PICK 01-2)	4.6	4.4	5.3	5.8	6.5	6.9	6.3	5.9	7.5	5.9
APR 1670	5.7	5.8	5.1	5.7	6.7	5.8	7.3	4.6	6.4	5.9
TR47	5.3	4.9	5.5	5.0	6.6	6.9	6.2	5.5	7.2	5.9
CITATION FORE	6.0	4.8	5.3	5.0	6.4	6.7	7.0	4.8	7.1	5.9
PINNACLE II	6.2	5.1	5.8	5.1	5.9	7.1	5.8	5.2	6.8	5.9
NEXUS XR (SNR)	5.8	4.5	5.7	5.1	6.7	7.3	6.5	5.2	6.0	5.9
ES45	5.2	4.7	5.4	5.3	6.6	6.8	6.6	5.3	6.8	5.9
PIZZAZZ	5.3	3.5	6.7	5.2	6.6	6.9	6.2	5.4	7.1	5.9
PHENOM (APR 1660)	5.4	5.3	5.8	5.3	6.5	6.2	7.0	5.1	6.1	5.9
QUICKSILVER	6.3	4.8	5.3	4.8	6.5	6.2	6.6	5.2	7.1	5.9
ASP6006 (LPFG)	5.8	4.4	5.9	5.1	6.8	7.3	6.3	5.4	5.7	5.8
PST-2BLK	5.3	5.5	4.9	5.4	6.6	6.3	6.8	4.9	6.9	5.8
PENTIUM	5.7	4.5	4.8	5.5	6.5	6.8	6.8	5.0	7.0	5.8
DP 17-9499	5.9	4.4	5.1	4.9	6.3	6.7	6.0	5.5	7.6	5.8
NEXUS XD (SP4)	5.3	5.3	6.2	4.8	6.6	7.1	6.5	5.2	5.1	5.8
VB99	4.7	4.9	5.8	4.6	7.1	7.3	6.0	5.3	6.5	5.8
MONTEREY 3 (JR-408)	5.1	4.9	6.0	4.5	6.4	6.6	6.8	5.2	6.5	5.8
SUNSHINE 2	4.5	4.9	5.9	3.3	6.8	7.1	6.5	5.6	7.4	5.8
O4-BEN	5.7	4.6	5.1	4.5	6.7	6.2	6.7	4.8	7.5	5.8
PM 102	5.3	4.8	5.6	4.2	6.8	6.4	5.8	5.7	7.1	5.8
BRIGHTSTAR SLT	5.0	5.4	5.5	4.2	6.4	6.6	6.8	4.5	7.2	5.7

TABLE 2.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/  
USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" \*/  
2006 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL1	IL2	MI1	NJ1	OR1	PA1	VA1	WA1	WI1	MEAN
LA QUINTA (JR-255)	5.3	5.1	5.2	4.0	6.8	6.6	6.7	4.7	7.1	5.7
BAR LP 4317	6.0	4.8	5.0	3.9	6.5	6.4	6.1	5.0	7.7	5.7
ASP6001 (RTS)	5.0	5.0	5.1	4.8	6.7	7.1	6.5	5.0	6.3	5.7
ACCENT II (JR-119)	5.0	4.8	5.6	4.7	6.4	6.5	6.3	5.0	7.2	5.7
GOALKEEPER II (JR-114)	4.7	5.0	5.8	3.5	6.6	6.9	6.9	5.0	6.7	5.7
DP 17-9788	5.5	5.2	5.5	4.1	6.3	6.3	6.4	4.4	7.4	5.7
GALATTI (DP 17-9502)	4.5	4.6	5.8	4.9	6.5	6.7	5.4	5.4	7.3	5.7
BAR LP 4420	5.6	4.5	5.8	3.8	6.7	6.2	5.7	5.3	7.2	5.7
HALO (KN42)	5.1	4.4	5.3	4.7	6.9	6.9	6.5	5.6	5.6	5.7
WIND DANCE 2 (PWDR)	5.8	4.1	6.0	4.9	6.6	7.2	6.1	5.0	5.1	5.6
CADDIESHACK II (JR-163)	4.4	5.6	5.2	4.0	6.7	6.7	6.6	4.4	6.9	5.6
FIREBOLT (PRG HS-01-09)	4.7	4.6	5.4	3.7	6.9	7.2	5.9	5.3	6.7	5.6
BARLENNIUM	5.5	4.6	5.0	4.0	6.5	6.1	7.0	5.0	6.7	5.6
L44	4.8	5.0	5.5	4.8	6.6	6.9	5.9	5.0	5.9	5.6
BAR LP 4920	4.9	4.1	5.6	4.0	6.4	6.1	6.2	5.4	6.8	5.5
PREMIER II	4.9	5.2	5.6	3.5	6.6	6.4	6.2	4.5	6.5	5.5
04-BRE	4.6	4.1	4.8	5.0	6.4	6.7	6.3	4.6	6.4	5.4
PALMER III	4.7	4.3	5.1	3.9	6.3	6.6	6.8	4.6	6.4	5.4
PICK 02-R	4.2	3.8	6.1	3.5	6.9	7.0	5.2	5.0	7.0	5.4
HEADSTART 2	5.0	3.9	5.9	4.1	6.6	6.3	5.9	5.2	5.6	5.4
PIANIST (DP 17-9505)	4.7	4.6	5.5	4.3	6.4	6.1	6.2	5.0	5.3	5.3
SRX 4682	5.0	5.1	4.3	4.8	5.9	4.5	6.8	4.6	6.4	5.3
PANTHER	4.7	4.1	4.8	3.6	6.1	5.6	6.2	4.6	5.8	5.1
AFFINITY	4.8	4.5	4.4	3.7	6.1	5.5	6.3	3.9	5.2	4.9
PREMIER	4.4	4.9	3.9	3.8	6.2	4.9	6.6	4.0	5.4	4.9
LPR 02203	4.0	4.1	3.8	2.7	6.1	5.4	5.7	4.0	5.8	4.6
PINNACLE	4.2	4.2	3.7	3.1	6.2	4.0	5.8	3.8	4.9	4.4
LINN	3.0	2.0	2.3	1.0	4.8	1.8	3.5	2.0	2.8	2.6
LSD VALUE	1.2	1.1	0.9	1.0	0.4	0.6	1.1	0.8	1.9	0.4
C.V. (%)	13.5	13.7	9.3	11.9	3.9	5.7	10.4	9.2	17.4	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.

\*/ SCHEDULE B 1 2 INCH MOWING HEIGHT  
1/2 - 1 lb. N/1000 FT<sup>2</sup>/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)" \*/ \*/  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	MA1	MN1	MO1	NY1	OK1	QE1	MEAN
APR 1648	7.6	6.2	5.7	6.6	3.8	4.1	6.4	5.8
GL-2	6.9	6.0	5.5	6.4	4.3	4.4	6.5	5.7
MMW	7.5	6.0	6.1	6.2	4.0	4.0	6.1	5.7
ALL*STAR 3 (IS-PR 274)	7.9	6.3	6.1	6.3	3.8	3.2	6.2	5.7
RNS	7.6	5.7	6.1	6.4	4.0	3.4	6.5	5.7
SILVER DOLLAR	7.3	6.1	5.1	6.5	3.8	3.9	6.8	5.7
ZOOM (LCK)	7.2	6.2	5.9	6.5	4.1	2.9	6.5	5.6
DP1	8.0	6.0	5.8	6.7	3.6	3.2	6.1	5.6
SR 4600 (SRX 4SP)	7.2	5.8	5.3	6.9	4.0	3.5	6.4	5.6
KEYSTONE 2 (IS-PR 312)	7.1	5.9	5.7	6.7	4.0	3.4	6.3	5.6
PST-2AG4	7.8	5.6	5.1	6.1	4.2	4.3	5.8	5.6
CUTTER II (PM 101)	7.4	5.5	5.9	6.2	3.8	3.6	6.7	5.6
D04-11T	7.1	5.7	5.8	6.4	4.2	3.1	6.6	5.6
ASP6006 (LPFG)	8.0	5.2	5.3	6.3	4.1	3.9	6.2	5.6
LINE DRIVE GLS (APR 1797)	7.3	5.9	4.7	6.5	4.1	4.2	6.2	5.6
APPLE GL (AAZ-B104)	7.2	5.8	5.4	6.4	4.2	3.3	6.6	5.6
GPR	7.8	5.6	5.2	6.7	3.7	3.9	6.0	5.5
D04-1667	7.3	6.3	4.9	6.4	4.1	3.6	6.2	5.5
HOMERUN (RG3P)	6.6	5.7	5.9	6.9	4.0	3.1	6.4	5.5
WIND DANCE 2 (PWDR)	7.5	5.7	5.3	6.7	3.7	3.4	6.4	5.5
1G SQUARED (APR 1664)	7.0	5.6	5.5	5.8	4.2	3.6	6.7	5.5
BAR LP 4317	7.5	5.5	5.1	6.1	4.0	3.7	6.5	5.5
EXACTA II GLSR (LTP-611-GLSR)	7.0	5.7	5.9	6.3	4.0	3.0	6.3	5.5
DCM	7.3	5.8	5.1	6.5	3.6	3.5	6.5	5.5
PROTEGE GLR	7.3	5.8	5.7	6.4	4.0	3.0	6.1	5.5
AMAZING GS (IS-PR 276)	7.9	5.8	5.9	5.9	3.7	3.0	6.2	5.5
AF	7.6	5.7	4.5	6.8	3.6	3.8	6.2	5.5
CITATION FORE	7.2	5.9	5.2	6.2	3.5	4.0	6.2	5.5
EDGE II (AC2)	7.2	5.6	5.7	6.2	3.8	3.3	6.4	5.5
TR47	7.4	5.7	5.3	5.9	3.8	3.8	6.2	5.4
DERBY XTREME (IS-PR 268)	8.1	6.0	4.8	6.3	4.0	2.7	6.2	5.4
PST-217	6.9	5.6	5.6	6.3	4.0	3.5	6.1	5.4
REVENGE GLX (JR-348)	6.5	5.4	5.2	6.4	4.0	3.8	6.6	5.4
ACCENT II (JR-119)	7.0	5.6	5.2	5.8	4.0	4.1	6.2	5.4
DASHER 3 (PICK RB-1)	7.2	5.9	5.4	6.1	4.0	3.1	6.2	5.4
OVERDRIVE	6.9	5.6	5.8	6.3	4.0	3.1	6.4	5.4
BUENA VISTA	7.6	6.0	5.0	6.0	3.8	3.1	6.4	5.4
ES45	7.2	5.2	5.8	6.1	3.7	3.5	6.2	5.4
REPELL GLS	7.7	5.7	4.3	6.0	4.2	3.7	6.1	5.4
MANHATTAN 5 GLR (PST-2AM)	6.8	5.7	5.3	6.2	4.0	3.5	6.2	5.4
PHENOM (APR 1660)	7.1	5.9	4.5	6.5	3.7	3.3	6.6	5.4
VB99	7.2	5.7	5.0	6.3	3.8	3.4	6.3	5.4
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.6	5.9	5.0	6.4	3.9	3.8	6.1	5.4
RAD-PR8	7.5	5.5	4.9	6.3	3.6	3.8	6.1	5.4
QUICKSILVER	7.7	5.4	4.9	6.3	3.6	3.9	6.0	5.4



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)" \*/ \*/  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	MA1	MN1	MO1	NY1	OK1	QE1	MEAN
BRIGHTSTAR SLT	7.2	5.2	5.1	6.3	3.9	4.0	6.1	5.4
PALACE (IS-PR 273)	7.5	5.7	5.1	6.0	3.7	3.6	6.1	5.4
NEXUS XD (SP4)	7.0	5.6	5.4	5.9	3.7	3.4	6.7	5.4
REGAL 5 (IS-PR 271)	7.0	5.8	5.5	6.2	3.7	3.3	6.1	5.4
SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	5.7	5.3	6.0	3.3	3.9	5.9	5.4
ASP6004 (EXS54)	7.2	5.5	5.2	5.8	4.2	3.1	6.6	5.4
BAR LP 4920	7.6	5.3	5.7	5.5	3.4	3.3	6.7	5.3
MACH I	6.9	5.5	5.5	5.8	4.0	3.2	6.6	5.3
ASP6001 (RTS)	7.0	5.5	4.8	6.3	4.0	3.3	6.6	5.3
PANTHER GLS	6.5	5.6	5.5	6.3	4.2	3.5	5.8	5.3
HALO (KN42)	7.0	5.4	5.4	6.1	3.4	3.7	6.3	5.3
PST-2BLK	6.4	4.8	5.0	6.7	3.7	4.3	6.4	5.3
VB77	7.3	5.4	4.9	6.1	3.8	3.5	6.2	5.3
ATTRIBUTE (IS-PR 270)	6.9	5.8	4.9	6.1	3.9	3.4	6.3	5.3
DP 17-9499	6.8	5.9	5.5	6.0	3.9	2.5	6.6	5.3
CABO II (IS-PR 233)	7.4	6.0	4.6	6.1	4.1	3.0	6.0	5.3
FIESTA 4 (PICK F4)	6.8	5.8	5.1	5.8	3.9	3.0	6.7	5.3
KOKOMO II (IS-PR 235)	7.0	5.9	5.1	6.0	4.0	3.2	5.9	5.3
PST-2MNG	7.1	5.5	4.5	6.4	3.7	3.4	6.5	5.3
PIZZAZZ	6.8	5.4	5.5	6.0	3.8	3.8	5.9	5.3
PREMIER II	7.2	5.8	4.8	6.0	3.6	3.8	6.1	5.3
TOP GUN II (JR-324)	7.0	5.5	5.5	5.8	3.9	3.6	5.7	5.3
DP 17-9788	6.9	5.6	4.9	6.1	3.6	3.8	6.2	5.3
STELLAR GL (IS-PR 236)	6.9	5.8	5.7	6.1	3.8	2.8	5.9	5.3
D04-LP05	7.0	5.7	4.7	5.9	3.3	4.0	6.6	5.3
DELAWARE XL (PICK 01-2)	6.5	5.5	5.2	6.2	3.5	3.7	6.5	5.3
GRAND SLAM 2 (PST-2GSM)	7.0	5.5	4.8	5.8	3.7	3.7	6.4	5.3
GALATTI (DP 17-9502)	6.4	5.2	5.5	5.7	4.0	3.5	6.6	5.3
MONTEREY 3 (JR-408)	7.4	5.1	4.3	6.5	4.1	3.6	5.8	5.3
GRAY STAR (PST-2LGL)	7.1	5.6	5.1	5.8	3.6	3.3	6.3	5.3
PST-2LAN	7.3	4.9	5.0	5.9	3.7	3.8	6.2	5.3
PRIMARY (IS-PR 269)	6.9	5.3	5.1	6.2	4.0	3.0	6.4	5.3
DART (APR 1663)	6.8	5.9	4.7	5.7	3.9	3.5	6.3	5.2
LA QUINTA (JR-255)	7.1	5.0	4.7	6.4	3.8	3.3	6.3	5.2
ASP6002 (BPR)	7.1	5.1	5.6	5.8	3.9	3.5	5.8	5.2
PENTIUM	7.0	5.5	4.5	6.7	3.7	3.1	6.2	5.2
CADDIESHACK II (JR-163)	7.1	5.2	4.6	6.4	3.3	3.9	6.2	5.2
SRX 4682	7.1	5.7	4.4	6.2	3.5	3.9	5.9	5.2
PRESIDIO (CNV)	6.8	5.6	5.1	6.0	3.6	3.1	6.3	5.2
HARRIER (SRX 4UP3)	7.2	5.7	4.7	6.0	3.9	2.8	6.4	5.2
FIREBOLT (PRG HS-01-09)	6.8	5.6	5.0	6.3	3.6	3.3	6.2	5.2
NEXUS XR (SNR)	7.4	5.2	5.4	6.2	3.4	3.2	5.8	5.2
D04-UP	7.5	5.6	4.2	5.8	3.7	3.3	6.3	5.2
E-99	6.9	5.5	4.4	6.1	3.8	3.7	6.2	5.2
GOALKEEPER II (JR-114)	7.0	5.1	4.9	6.0	3.6	3.6	6.2	5.2
FUSION	7.0	5.3	4.9	6.1	4.0	3.5	5.8	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)" \*/ \*/  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	MA1	MN1	MO1	NY1	OK1	QE1	MEAN
ASP6005 (AJM)	6.5	5.6	4.7	5.8	3.9	3.8	6.2	5.2
PARAGON GLR	8.1	5.3	4.8	5.9	3.4	3.0	5.8	5.2
CALYPSO 3 (MS2)	6.6	5.6	5.4	5.9	3.4	3.5	5.9	5.2
04-BRE	7.2	5.2	5.0	6.0	3.6	2.8	6.6	5.2
ASP6003 (TRS)	6.6	5.5	5.0	6.0	4.0	3.0	6.2	5.2
APR 1670	7.0	5.7	4.0	5.9	3.9	3.5	6.2	5.2
PALMER IV	7.3	5.6	4.0	6.3	3.9	2.9	6.2	5.2
PLEASURE SUPREME (PM 103)	6.9	5.2	5.2	5.2	3.8	3.2	6.6	5.2
PM 102	6.9	5.2	4.6	6.0	3.6	3.5	6.3	5.2
BARLENNIUM	6.7	5.5	4.6	6.5	3.4	3.4	6.0	5.1
PIANIST (DP 17-9505)	6.5	5.6	5.0	5.7	3.7	3.3	6.2	5.1
PINNACLE II	6.7	5.2	5.3	5.4	3.5	3.4	6.5	5.1
SRX 4692	6.7	5.3	4.3	6.2	3.9	3.6	5.8	5.1
INSPIRE	7.1	5.5	4.6	5.5	3.5	3.2	6.2	5.1
BAR LP 4420	6.2	5.5	5.5	5.9	3.7	3.0	5.9	5.1
04-BEN	6.7	5.3	4.7	5.5	3.9	3.6	5.9	5.1
L44	6.5	5.5	4.8	6.3	3.7	2.9	5.9	5.1
HEADSTART 2	6.4	5.1	5.0	5.8	3.7	3.0	6.3	5.0
PS-2	6.4	5.5	5.0	5.6	3.3	3.3	6.2	5.0
LPR 02203	7.2	4.3	4.0	5.6	3.8	4.3	5.8	5.0
PANTHER	7.5	4.9	4.2	5.2	3.7	3.3	6.0	5.0
PALMER III	6.2	5.6	4.3	5.7	3.1	3.7	5.9	4.9
SUNSHINE 2	6.0	5.0	4.6	5.5	3.3	3.0	6.4	4.8
PREMIER	7.4	5.4	2.7	4.8	3.2	4.0	5.7	4.7
AFFINITY	6.7	5.6	3.3	4.6	3.5	3.8	5.5	4.7
PICK 02-R	6.5	4.4	4.7	5.0	3.6	2.8	6.0	4.7
PINNACLE	7.0	4.8	2.8	5.3	2.9	4.6	5.5	4.7
LINN	6.6	3.0	1.1	3.2	2.9	3.5	4.9	3.6
LSD VALUE	1.1	0.5	1.0	1.0	0.7	1.1	0.6	0.3
C.V. (%)	9.4	6.1	12.7	10.6	11.3	19.0	6.2	10.4

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

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

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

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT SIX LOCATIONS 1/  
 IN THE NORTHEAST REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	NY1	PA1	QE1	RI1	MEAN
ALL*STAR 3 (IS-PR 274)	6.3	7.2	3.8	7.6	6.2	6.5	6.2
ZOOM (LCK)	6.2	6.6	4.1	7.7	6.5	6.2	6.2
DO4-11T	5.7	6.9	4.2	7.7	6.6	5.9	6.2
AMAZING GS (IS-PR 276)	5.8	7.0	3.7	7.9	6.2	6.3	6.1
REGAL 5 (IS-PR 271)	5.8	6.6	3.7	7.9	6.1	6.7	6.1
SILVER DOLLAR	6.1	6.8	3.8	7.1	6.8	5.9	6.1
FIESTA 4 (PICK F4)	5.8	6.8	3.9	7.3	6.7	5.9	6.1
RNS	5.7	6.5	4.0	7.6	6.5	5.9	6.1
DERBY XTREME (IS-PR 268)	6.0	6.5	4.0	7.4	6.2	6.0	6.0
HOMERUN (RG3P)	5.7	6.5	4.0	7.5	6.4	6.0	6.0
DO4-1667	6.3	6.2	4.1	7.2	6.2	6.1	6.0
ATTRIBUTE (IS-PR 270)	5.8	6.5	3.9	7.2	6.3	6.3	6.0
KEYSTONE 2 (IS-PR 312)	5.9	6.2	4.0	7.2	6.3	6.3	6.0
REVENGE GLX (JR-348)	5.4	5.8	4.0	7.6	6.6	6.3	6.0
GL-2	6.0	6.0	4.3	7.2	6.5	5.7	5.9
PALACE (IS-PR 273)	5.7	6.2	3.7	7.9	6.1	6.1	5.9
ASP6004 (EXS54)	5.5	5.8	4.2	7.3	6.6	6.2	5.9
MMW	6.0	6.3	4.0	6.8	6.1	6.4	5.9
EXACTA II GLSR (LTP-611-GLSR)	5.7	6.0	4.0	7.2	6.3	5.9	5.9
DASHER 3 (PICK RB-1)	5.9	6.6	4.0	6.7	6.2	5.7	5.8
AF	5.7	6.2	3.6	7.1	6.2	6.0	5.8
DP1	6.0	5.8	3.6	7.3	6.1	6.0	5.8
1G SQUARED (APR 1664)	5.6	5.8	4.2	6.9	6.7	5.4	5.8
PANTHER GLS	5.6	6.6	4.2	6.8	5.8	5.6	5.8
ASP6003 (TRS)	5.5	4.9	4.0	7.6	6.2	6.5	5.8
APPLE GL (AAZ-B104)	5.8	5.6	4.2	6.8	6.6	5.6	5.8
GRAND SLAM 2 (PST-2GSM)	5.5	6.5	3.7	7.1	6.4	5.4	5.8
APR 1648	6.2	5.5	3.8	6.4	6.4	6.3	5.8
PST-2MNG	5.5	6.1	3.7	7.1	6.5	5.6	5.7
PALMER IV	5.6	5.9	3.9	7.3	6.2	5.7	5.7
PST-2AG4	5.6	6.5	4.2	7.3	5.8	5.1	5.7
KOKOMO II (IS-PR 235)	5.9	6.3	4.0	6.7	5.9	5.7	5.7
PROTEGE GLR	5.8	6.0	4.0	6.7	6.1	5.6	5.7
CABO II (IS-PR 233)	6.0	5.3	4.1	6.7	6.0	6.2	5.7
HARRIER (SRX 4UP3)	5.7	5.9	3.9	6.3	6.4	6.0	5.7
ASP6006 (LPFG)	5.2	5.1	4.1	7.3	6.2	6.4	5.7
SR 4600 (SRX 4SP)	5.8	6.1	4.0	6.0	6.4	5.9	5.7
PRIMARY (IS-PR 269)	5.3	6.4	4.0	6.6	6.4	5.6	5.7
DCM	5.8	6.0	3.6	6.9	6.5	5.3	5.7
LINE DRIVE GLS (APR 1797)	5.9	5.9	4.1	6.6	6.2	5.4	5.7
CUTTER II (PM 101)	5.5	4.7	3.8	7.3	6.7	6.1	5.7
ASP6001 (RTS)	5.5	4.8	4.0	7.1	6.6	6.1	5.7
ASP6005 (AJM)	5.6	5.2	3.9	7.2	6.2	6.0	5.7
DART (APR 1663)	5.9	5.9	3.9	6.7	6.3	5.3	5.7
EDGE II (AC2)	5.6	5.1	3.8	7.2	6.4	5.8	5.7

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT SIX LOCATIONS 1/  
 IN THE NORTHEAST REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	NY1	PA1	QE1	RI1	MEAN
WIND DANCE 2 (PWDR)	5.7	4.9	3.7	7.2	6.4	6.1	5.7
OVERDRIVE	5.6	5.5	4.0	7.1	6.4	5.5	5.7
GPR	5.6	5.4	3.7	7.6	6.0	5.7	5.6
TR47	5.7	5.0	3.8	6.9	6.2	6.2	5.6
NEXUS XD (SP4)	5.6	4.8	3.7	7.1	6.7	6.0	5.6
STELLAR GL (IS-PR 236)	5.8	5.6	3.8	7.1	5.9	5.6	5.6
MACH I	5.5	4.6	4.0	7.2	6.6	5.9	5.6
PLEASURE SUPREME (PM 103)	5.2	5.4	3.8	7.2	6.6	5.6	5.6
DP 17-9499	5.9	4.9	3.9	6.7	6.6	5.8	5.6
ASP6002 (BPR)	5.1	5.3	3.9	7.3	5.8	6.4	5.6
VB99	5.7	4.6	3.8	7.3	6.3	6.1	5.6
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.9	5.9	3.9	6.2	6.1	5.6	5.6
PRESIDIO (CNV)	5.6	5.0	3.6	7.1	6.3	6.0	5.6
DELAWARE XL (PICK 01-2)	5.5	5.8	3.5	6.9	6.5	5.5	5.6
BUENA VISTA	6.0	5.1	3.8	6.7	6.4	5.6	5.6
CALYPSO 3 (MS2)	5.6	5.2	3.4	7.3	5.9	6.1	5.6
DO4-UP	5.6	5.8	3.7	6.5	6.3	5.6	5.6
GRAY STAR (PST-2LGL)	5.6	5.3	3.6	6.9	6.3	5.7	5.6
VB77	5.4	4.9	3.8	7.3	6.2	5.7	5.6
SECRETARIAT II GLSR (LTP-101-GLSR)	5.7	5.8	3.3	7.0	5.9	5.6	5.6
SRX 4692	5.3	6.2	3.9	6.8	5.8	5.4	5.6
PINNACLE II	5.2	5.1	3.5	7.1	6.5	5.9	5.6
PARAGON GLR	5.3	5.7	3.4	7.2	5.8	5.9	5.5
GALATTI (DP 17-9502)	5.2	4.9	4.0	6.7	6.6	5.7	5.5
FUSION	5.3	5.8	4.0	6.7	5.8	5.7	5.5
REPELL GLS	5.7	5.1	4.2	6.7	6.1	5.3	5.5
ACCENT II (JR-119)	5.6	4.7	4.0	6.5	6.2	6.2	5.5
PST-217	5.6	5.0	4.0	6.6	6.1	5.7	5.5
E-99	5.5	5.5	3.8	6.4	6.2	5.7	5.5
PENTIUM	5.5	5.5	3.7	6.8	6.2	5.4	5.5
APR 1670	5.7	5.7	3.9	5.8	6.2	5.7	5.5
PIZZAZZ	5.4	5.2	3.8	6.9	5.9	5.9	5.5
MANHATTAN 5 GLR (PST-2AM)	5.7	5.0	4.0	6.5	6.2	5.5	5.5
PHENOM (APR 1660)	5.9	5.3	3.7	6.2	6.6	5.2	5.5
CITATION FORE	5.9	5.0	3.5	6.7	6.2	5.6	5.5
ES45	5.2	5.3	3.7	6.8	6.2	5.5	5.5
TOP GUN II (JR-324)	5.5	4.7	3.9	6.7	5.7	6.3	5.5
NEXUS XR (SNR)	5.2	5.1	3.4	7.3	5.8	5.9	5.5
L44	5.5	4.8	3.7	6.9	5.9	5.9	5.4
HALO (KN42)	5.4	4.7	3.4	6.9	6.3	5.8	5.4
RAD-PR8	5.5	4.9	3.6	6.8	6.1	5.7	5.4
PST-2LAN	4.9	5.0	3.7	6.7	6.2	5.9	5.4
INSPIRE	5.5	4.6	3.5	7.1	6.2	5.3	5.4
04-BRE	5.2	5.0	3.6	6.7	6.6	5.2	5.4
BAR LP 4317	5.5	3.9	4.0	6.4	6.5	5.5	5.3
PST-2BLK	4.8	5.4	3.7	6.3	6.4	5.2	5.3

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT SIX LOCATIONS 1/  
 IN THE NORTHEAST REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MA1	NJ1	NY1	PA1	QE1	RI1	MEAN
PS-2	5.5	4.5	3.3	6.6	6.2	5.4	5.3
DP 17-9788	5.6	4.1	3.6	6.3	6.2	5.7	5.2
PM 102	5.2	4.2	3.6	6.4	6.3	5.7	5.2
DO4-LPO5	5.7	4.2	3.3	6.6	6.6	5.2	5.2
FIREBOLT (PRG HS-01-09)	5.6	3.7	3.6	7.2	6.2	5.2	5.2
PIANIST (DP 17-9505)	5.6	4.3	3.7	6.1	6.2	5.5	5.2
BRIGHTSTAR SLT	5.2	4.2	3.9	6.6	6.1	5.3	5.2
MONTEREY 3 (JR-408)	5.1	4.5	4.1	6.6	5.8	5.0	5.2
CADDIESHACK II (JR-163)	5.2	4.0	3.3	6.7	6.2	5.8	5.2
QUICKSILVER	5.4	4.8	3.6	6.2	6.0	5.3	5.2
O4-BEN	5.3	4.5	3.9	6.2	5.9	5.3	5.2
LA QUINTA (JR-255)	5.0	4.0	3.8	6.6	6.3	5.3	5.2
SUNSHINE 2	5.0	3.3	3.3	7.1	6.4	5.8	5.2
HEADSTART 2	5.1	4.1	3.7	6.3	6.3	5.4	5.2
BAR LP 4920	5.3	4.0	3.4	6.1	6.7	5.2	5.1
PREMIER II	5.8	3.5	3.6	6.4	6.1	5.3	5.1
GOALKEEPER II (JR-114)	5.1	3.5	3.6	6.9	6.2	5.2	5.1
BARLENNIUM	5.5	4.0	3.4	6.1	6.0	5.3	5.0
BAR LP 4420	5.5	3.8	3.7	6.2	5.9	5.1	5.0
PALMER III	5.6	3.9	3.1	6.6	5.9	5.0	5.0
PICK 02-R	4.4	3.5	3.6	7.0	6.0	5.5	5.0
SRX 4682	5.7	4.8	3.5	4.5	5.9	5.2	4.9
PANTHER	4.9	3.6	3.7	5.6	6.0	5.1	4.8
AFFINITY	5.6	3.7	3.5	5.5	5.5	4.8	4.8
PREMIER	5.4	3.8	3.2	4.9	5.7	4.3	4.6
LPR 02203	4.3	2.7	3.8	5.4	5.8	4.6	4.4
PINNACLE	4.8	3.1	2.9	4.0	5.5	4.2	4.1
LINN	3.0	1.0	2.9	1.8	4.9	2.2	2.6
LSD VALUE	0.5	1.0	0.7	0.6	0.6	0.7	0.3
C.V. (%)	6.1	11.9	11.3	5.7	6.2	7.8	8.0

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

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

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT FIVE LOCATIONS 1/  
 IN THE TRANSITION REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	MO1	OK1	VA1	MEAN
SILVER DOLLAR	6.0	7.0	6.5	3.9	6.9	6.1
APR 1670	5.8	7.0	5.9	3.5	7.3	5.9
REVENGE GLX (JR-348)	5.5	6.5	6.4	3.8	7.2	5.9
LINE DRIVE GLS (APR 1797)	4.8	7.3	6.5	4.2	6.5	5.9
HOMERUN (RG3P)	5.8	5.9	6.9	3.1	7.5	5.9
PHENOM (APR 1660)	5.3	7.0	6.5	3.3	7.0	5.8
SR 4600 (SRX 4SP)	5.5	6.6	6.9	3.5	6.5	5.8
MANHATTAN 5 GLR (PST-2AM)	5.9	6.7	6.2	3.5	6.7	5.8
PANTHER GLS	6.2	6.8	6.3	3.5	6.3	5.8
D04-1667	5.4	7.0	6.4	3.6	6.5	5.8
SRX 4692	6.0	6.8	6.2	3.6	6.2	5.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.4	6.3	6.4	3.8	6.9	5.7
PST-2LAN	6.2	5.8	5.9	3.8	7.0	5.7
APPLE GL (AAZ-B104)	5.2	7.3	6.4	3.3	6.5	5.7
DP1	4.8	7.4	6.7	3.2	6.6	5.7
PST-217	6.2	5.4	6.3	3.5	7.0	5.7
SECRETARIAT II GLSR (LTP-101-GLSR)	5.2	6.3	6.0	3.9	6.9	5.7
AF	4.5	6.7	6.8	3.8	6.5	5.6
PST-2BLK	5.5	4.9	6.7	4.3	6.8	5.6
DCM	6.2	5.0	6.5	3.5	7.0	5.6
SRX 4682	5.1	6.2	6.2	3.9	6.8	5.6
PST-2MNG	5.4	6.1	6.4	3.4	6.8	5.6
HARRIER (SRX 4UP3)	5.4	7.2	6.0	2.8	6.8	5.6
GRAND SLAM 2 (PST-2GSM)	5.1	6.4	5.8	3.7	7.0	5.6
GL-2	5.4	5.4	6.4	4.4	6.3	5.6
REPELL GLS	5.3	5.6	6.0	3.7	7.2	5.6
PALACE (IS-PR 273)	5.9	5.2	6.0	3.6	7.2	5.6
ALL*STAR 3 (IS-PR 274)	4.3	7.3	6.3	3.2	6.7	5.6
D04-11T	5.0	6.5	6.4	3.1	6.8	5.6
EXACTA II GLSR (LTP-611-GLSR)	4.2	7.2	6.3	3.0	7.0	5.6
KEYSTONE 2 (IS-PR 312)	5.1	5.9	6.7	3.4	6.7	5.6
PALMER IV	4.8	6.9	6.3	2.9	6.7	5.5
MMW	4.2	6.5	6.2	4.0	6.7	5.5
PRIMARY (IS-PR 269)	5.3	6.1	6.2	3.0	7.1	5.5
CADDIESHACK II (JR-163)	5.6	5.1	6.4	3.9	6.6	5.5
PARAGON GLR	5.3	6.3	5.9	3.0	7.0	5.5
PST-2AG4	5.3	5.3	6.1	4.3	6.5	5.5
1G SQUARED (APR 1664)	4.8	6.5	5.8	3.6	6.6	5.5
KOKOMO II (IS-PR 235)	5.5	5.5	6.0	3.2	7.2	5.5
ZOOM (LCK)	5.4	6.0	6.5	2.9	6.4	5.5
DERBY XTREME (IS-PR 268)	5.3	6.2	6.3	2.7	6.8	5.5
APR 1648	5.8	3.7	6.6	4.1	7.0	5.4
FIESTA 4 (PICK F4)	4.9	6.6	5.8	3.0	6.9	5.4
RAD-PR8	5.6	5.3	6.3	3.8	6.2	5.4
CITATION FORE	4.8	5.2	6.2	4.0	7.0	5.4

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT FIVE LOCATIONS 1/  
 IN THE TRANSITION REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	M01	OK1	VA1	MEAN
STELLAR GL (IS-PR 236)	5.0	6.3	6.1	2.8	6.9	5.4
DASHER 3 (PICK RB-1)	4.9	6.6	6.1	3.1	6.4	5.4
CABO II (IS-PR 233)	5.3	5.8	6.1	3.0	6.9	5.4
ATTRIBUTE (IS-PR 270)	4.5	6.0	6.1	3.4	7.0	5.4
RNS	4.6	6.2	6.4	3.4	6.4	5.4
DART (APR 1663)	4.6	6.7	5.7	3.5	6.5	5.4
AMAZING GS (IS-PR 276)	4.6	6.8	5.9	3.0	6.6	5.4
DP 17-9788	5.2	5.4	6.1	3.8	6.4	5.4
E-99	6.2	4.0	6.1	3.7	6.8	5.4
GPR	5.1	4.5	6.7	3.9	6.6	5.3
OVERDRIVE	5.0	5.5	6.3	3.1	6.7	5.3
D04-UP	4.4	6.0	5.8	3.3	6.8	5.3
PROTEGE GLR	4.4	5.8	6.4	3.0	6.5	5.2
BUENA VISTA	4.9	5.1	6.0	3.1	6.9	5.2
GRAY STAR (PST-2LGL)	5.0	5.5	5.8	3.3	6.3	5.2
VB77	5.2	4.5	6.1	3.5	6.5	5.2
EDGE II (AC2)	5.0	5.0	6.2	3.3	6.3	5.2
QUICKSILVER	4.8	4.3	6.3	3.9	6.6	5.2
BAR LP 4317	4.8	5.0	6.1	3.7	6.1	5.2
TR47	4.9	4.9	5.9	3.8	6.2	5.1
PENTIUM	4.5	4.6	6.7	3.1	6.8	5.1
ES45	4.7	4.8	6.1	3.5	6.6	5.1
ACCENT II (JR-119)	4.8	4.6	5.8	4.1	6.3	5.1
BRIGHTSTAR SLT	5.4	3.2	6.3	4.0	6.8	5.1
ASP6001 (RTS)	5.0	4.5	6.3	3.3	6.5	5.1
MONTEREY 3 (JR-408)	4.9	3.8	6.5	3.6	6.8	5.1
NEXUS XD (SP4)	5.3	4.4	5.9	3.4	6.5	5.1
ASP6004 (EXS54)	4.5	5.4	5.8	3.1	6.8	5.1
TOP GUN II (JR-324)	5.6	3.5	5.8	3.6	6.7	5.1
REGAL 5 (IS-PR 271)	4.7	4.9	6.2	3.3	6.3	5.1
D04-LP05	5.2	3.4	5.9	4.0	6.9	5.1
LA QUINTA (JR-255)	5.1	3.7	6.4	3.3	6.7	5.0
FUSION	4.4	4.6	6.1	3.5	6.5	5.0
PRESIDIO (CNV)	4.8	4.8	6.0	3.1	6.4	5.0
NEXUS XR (SNR)	4.5	4.6	6.2	3.2	6.5	5.0
VB99	4.9	4.3	6.3	3.4	6.0	5.0
WIND DANCE 2 (PWDR)	4.1	4.7	6.7	3.4	6.1	5.0
PLEASURE SUPREME (PM 103)	5.4	5.0	5.2	3.2	6.2	5.0
GOALKEEPER II (JR-114)	5.0	3.2	6.0	3.6	6.9	5.0
ASP6005 (AJM)	4.6	4.3	5.8	3.8	6.2	4.9
O4-BEN	4.6	4.2	5.5	3.6	6.7	4.9
HALO (KN42)	4.4	3.9	6.1	3.7	6.5	4.9
FIREBOLT (PRG HS-01-09)	4.6	4.5	6.3	3.3	5.9	4.9
PREMIER II	5.2	3.4	6.0	3.8	6.2	4.9
INSPIRE	6.1	3.1	5.5	3.2	6.6	4.9
ASP6006 (LPGF)	4.4	3.5	6.3	3.9	6.3	4.9

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT FIVE LOCATIONS 1/  
 IN THE TRANSITION REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KY1	M01	OK1	VA1	MEAN
ASP6002 (BPR)	4.8	3.7	5.8	3.5	6.6	4.9
PINNACLE II	5.1	4.7	5.4	3.4	5.8	4.9
BARLENNIUM	4.6	2.8	6.5	3.4	7.0	4.9
PM 102	4.8	3.8	6.0	3.5	5.8	4.8
DELAWARE XL (PICK 01-2)	4.4	3.2	6.2	3.7	6.3	4.7
CALYPSO 3 (MS2)	3.9	3.8	5.9	3.5	6.5	4.7
L44	5.0	3.5	6.3	2.9	5.9	4.7
MACH I	4.5	3.8	5.8	3.2	6.3	4.7
PREMIER	4.9	3.3	4.8	4.0	6.6	4.7
ASP6003 (TRS)	4.7	3.6	6.0	3.0	6.3	4.7
PALMER III	4.3	3.1	5.7	3.7	6.8	4.7
04-BRE	4.1	4.3	6.0	2.8	6.3	4.7
AFFINITY	4.5	4.2	4.6	3.8	6.3	4.7
PINNACLE	4.2	3.1	5.3	4.6	5.8	4.6
BAR LP 4420	4.5	3.8	5.9	3.0	5.7	4.6
CUTTER II (PM 101)	4.6	2.9	6.2	3.6	5.6	4.6
GALATTI (DP 17-9502)	4.6	3.5	5.7	3.5	5.4	4.5
PIANIST (DP 17-9505)	4.6	2.8	5.7	3.3	6.2	4.5
PS-2	4.4	2.3	5.6	3.3	6.9	4.5
SUNSHINE 2	4.9	2.5	5.5	3.0	6.5	4.5
HEADSTART 2	3.9	3.1	5.8	3.0	5.9	4.3
DP 17-9499	4.4	2.6	6.0	2.5	6.0	4.3
PIZZAZZ	3.5	1.7	6.0	3.8	6.2	4.2
BAR LP 4920	4.1	1.6	5.5	3.3	6.2	4.1
LPR 02203	4.1	1.0	5.6	4.3	5.7	4.1
PANTHER	4.1	1.7	5.2	3.3	6.2	4.1
PICK 02-R	3.8	2.5	5.0	2.8	5.2	3.9
LINN	2.0	1.1	3.2	3.5	3.5	2.6
LSD VALUE	1.1	1.7	1.0	1.1	1.1	0.5
C.V. (%)	13.7	21.6	10.6	19.0	10.4	14.7

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 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT EIGHT LOCATIONS 1/  
 IN THE NORTH CENTRAL REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	MI1	MN1	NE1	SD1	WI1	MEAN
CUTTER II (PM 101)	7.4	6.0	8.6	6.5	5.9	6.5	6.6	7.2	6.8
ZOOM (LCK)	7.2	5.8	7.4	6.2	5.9	5.5	6.3	8.7	6.6
MACH I	6.9	6.4	7.2	6.4	5.5	6.5	6.3	7.5	6.6
PARAGON GLR	8.1	5.8	6.4	6.9	4.8	5.5	6.9	7.9	6.6
KEYSTONE 2 (IS-PR 312)	7.1	6.2	7.0	6.7	5.7	5.3	6.8	7.4	6.5
D04-11T	7.1	5.6	7.1	7.2	5.8	5.8	6.1	7.4	6.5
ALL*STAR 3 (IS-PR 274)	7.9	5.0	7.0	6.5	6.1	5.3	6.5	7.7	6.5
APR 1648	7.6	6.1	6.4	5.8	5.7	5.8	6.4	8.4	6.5
RNS	7.6	5.8	7.0	6.5	6.1	5.3	6.3	7.3	6.5
TOP GUN II (JR-324)	7.0	5.9	7.4	6.2	5.5	5.7	6.6	7.6	6.5
PRIMARY (IS-PR 269)	6.9	6.1	6.9	6.5	5.1	5.8	6.8	7.8	6.5
GL-2	6.9	5.8	7.2	6.5	5.5	5.9	6.4	7.4	6.5
DERBY XTREME (IS-PR 268)	8.1	5.9	7.0	6.3	4.8	5.9	6.6	7.0	6.4
GPR	7.8	5.1	7.4	6.2	5.2	5.6	6.6	7.6	6.4
FIESTA 4 (PICK F4)	6.8	4.8	7.6	6.5	5.1	5.8	6.8	8.0	6.4
DP1	8.0	5.5	7.0	6.6	5.8	5.5	6.2	6.6	6.4
ASP6004 (EXS54)	7.2	5.7	8.1	5.9	5.2	5.7	6.8	6.6	6.4
PALACE (IS-PR 273)	7.5	6.3	7.7	5.8	5.1	4.7	6.3	7.8	6.4
PROTEGE GLR	7.3	5.3	7.0	6.7	5.7	5.5	6.2	7.5	6.4
AMAZING GS (IS-PR 276)	7.9	5.7	7.2	6.5	5.9	5.0	6.1	6.9	6.4
PRESIDIO (CNV)	6.8	5.6	7.9	5.9	5.1	6.2	6.2	7.3	6.4
DASHER 3 (PICK RB-1)	7.2	5.0	7.1	6.8	5.4	6.0	6.2	7.2	6.4
EDGE II (AC2)	7.2	5.1	7.0	6.2	5.7	5.6	6.3	7.8	6.4
PLEASURE SUPREME (PM 103)	6.9	5.3	7.2	6.1	5.2	6.3	6.3	7.6	6.4
REVENGE GLX (JR-348)	6.5	5.6	7.6	6.2	5.2	6.0	6.2	7.4	6.3
OVERDRIVE	6.9	6.1	6.6	6.0	5.8	5.7	5.9	7.8	6.3
PINNACLE II	6.7	6.2	7.5	5.8	5.3	5.7	6.7	6.8	6.3
SILVER DOLLAR	7.3	6.1	7.4	4.9	5.1	6.1	6.2	7.4	6.3
STELLAR GL (IS-PR 236)	6.9	5.8	7.2	6.7	5.7	5.0	6.2	7.0	6.3
EXACTA II GLSR (LTP-611-GLSR)	7.0	6.0	6.9	6.0	5.9	5.9	6.1	6.7	6.3
DP 17-9499	6.8	5.9	6.8	5.1	5.5	6.0	6.8	7.6	6.3
SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	5.4	6.9	5.9	5.3	5.2	6.1	8.3	6.3
ASP6005 (AJM)	6.5	5.6	7.7	6.1	4.7	6.0	6.2	7.6	6.3
BUENA VISTA	7.6	6.2	7.3	6.4	5.0	5.3	6.1	6.3	6.3
REGAL 5 (IS-PR 271)	7.0	6.3	7.3	6.3	5.5	5.0	5.6	7.2	6.3
PIZZAZZ	6.8	5.3	6.7	6.7	5.5	5.4	6.7	7.1	6.3
PST-2LAN	7.3	6.2	6.9	5.9	5.0	5.0	6.1	7.7	6.3
DCM	7.3	5.2	7.2	6.2	5.1	5.7	6.6	6.6	6.2
PANTHER GLS	6.5	6.2	6.8	5.5	5.5	5.7	6.0	7.8	6.2
ASP6006 (LPFG)	8.0	5.8	7.4	5.9	5.3	5.7	6.1	5.7	6.2
TR47	7.4	5.3	7.5	5.5	5.3	6.3	5.3	7.2	6.2
FUSION	7.0	6.6	7.1	6.4	4.9	4.9	6.2	6.8	6.2
D04-1667	7.3	6.6	6.7	5.3	4.9	5.5	6.2	7.2	6.2
HOMERUN (RG3P)	6.6	5.9	7.1	6.4	5.9	5.7	6.4	5.6	6.2
PS-2	6.4	5.9	7.0	5.5	5.0	5.9	6.1	7.8	6.2

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT EIGHT LOCATIONS 1/  
 IN THE NORTH CENTRAL REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	MI1	MN1	NE1	SD1	WI1	MEAN
ASP6003 (TRS)	6.6	5.1	7.7	5.7	5.0	5.5	6.1	7.9	6.2
D04-UP	7.5	6.3	6.7	6.6	4.2	5.9	6.0	6.3	6.2
ATTRIBUTE (IS-PR 270)	6.9	5.3	7.6	5.9	4.9	5.4	6.4	7.1	6.2
CALYPSO 3 (MS2)	6.6	5.6	7.8	6.0	5.4	5.1	6.1	6.9	6.2
1G SQUARED (APR 1664)	7.0	5.4	6.8	6.8	5.5	5.7	5.5	6.9	6.2
ASP6002 (BPR)	7.1	5.4	6.7	6.1	5.6	5.3	5.9	7.4	6.2
MMW	7.5	5.6	7.0	5.6	6.1	6.2	5.6	5.9	6.2
APPLE GL (AAZ-B104)	7.2	5.8	7.0	6.7	5.4	4.9	5.4	7.0	6.2
KOKOMO II (IS-PR 235)	7.0	5.0	7.2	6.6	5.1	5.6	5.7	7.3	6.2
RAD-PR8	7.5	5.6	6.6	5.8	4.9	5.4	6.4	7.2	6.2
GRAY STAR (PST-2LGL)	7.1	5.5	7.3	5.8	5.1	4.8	6.3	7.4	6.2
MANHATTAN 5 GLR (PST-2AM)	6.8	6.3	6.7	6.0	5.3	4.8	5.4	8.0	6.2
SR 4600 (SRX 4SP)	7.2	5.1	6.4	6.5	5.3	4.9	5.9	7.8	6.2
HARRIER (SRX 4UP3)	7.2	5.4	6.9	5.9	4.7	5.1	5.8	8.2	6.1
CITATION FORE	7.2	6.0	7.0	5.3	5.2	5.3	6.0	7.1	6.1
SUNSHINE 2	6.0	4.5	7.9	5.9	4.6	5.4	7.3	7.4	6.1
AF	7.6	5.6	6.7	5.7	4.5	5.2	6.2	7.5	6.1
ES45	7.2	5.2	6.9	5.4	5.8	5.7	5.9	6.8	6.1
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.6	6.1	7.0	5.8	5.0	5.4	5.7	7.2	6.1
PST-2AG4	7.8	5.9	7.3	5.0	5.1	5.3	5.6	6.8	6.1
VB77	7.3	4.7	7.6	5.2	4.9	5.7	5.8	7.6	6.1
WIND DANCE 2 (PWDR)	7.5	5.8	7.5	6.0	5.3	5.4	6.2	5.1	6.1
BAR LP 4420	6.2	5.6	7.0	5.8	5.5	5.4	5.9	7.2	6.1
QUICKSILVER	7.7	6.3	6.7	5.3	4.9	4.8	5.9	7.1	6.1
VB99	7.2	4.7	7.5	5.8	5.0	5.4	6.4	6.5	6.1
NEXUS XR (SNR)	7.4	5.8	7.1	5.7	5.4	5.1	5.9	6.0	6.1
LINE DRIVE GLS (APR 1797)	7.3	5.6	6.6	5.8	4.7	5.4	5.7	7.6	6.1
BAR LP 4920	7.6	4.9	6.0	5.6	5.7	5.3	6.5	6.8	6.0
GRAND SLAM 2 (PST-2GSM)	7.0	5.7	6.9	5.5	4.8	4.6	6.1	7.8	6.0
REPELL GLS	7.7	6.2	6.3	5.7	4.3	5.0	5.9	7.2	6.0
CABO II (IS-PR 233)	7.4	5.2	7.5	6.7	4.6	5.1	6.1	5.7	6.0
DART (APR 1663)	6.8	5.6	6.7	6.4	4.7	5.2	5.8	7.2	6.0
DELAWARE XL (PICK 01-2)	6.5	4.6	7.3	5.3	5.2	5.6	6.2	7.5	6.0
PST-2MNG	7.1	5.1	7.2	5.5	4.5	5.4	5.8	7.6	6.0
PST-217	6.9	6.0	6.1	6.0	5.6	5.2	5.9	6.6	6.0
MONTEREY 3 (JR-408)	7.4	5.1	7.3	6.0	4.3	5.4	5.9	6.5	6.0
ACCENT II (JR-119)	7.0	5.0	6.8	5.6	5.2	5.4	5.9	7.2	6.0
BAR LP 4317	7.5	6.0	6.3	5.0	5.1	5.0	5.4	7.7	6.0
FIREBOLT (PRG HS-01-09)	6.8	4.7	7.7	5.4	5.0	5.3	6.3	6.7	6.0
PICK 02-R	6.5	4.2	8.0	6.1	4.7	5.6	5.7	7.0	6.0
GALATTI (DP 17-9502)	6.4	4.5	7.1	5.8	5.5	4.7	6.4	7.3	6.0
PALMER IV	7.3	5.9	7.0	5.7	4.0	5.2	5.2	7.2	5.9
ASP6001 (RTS)	7.0	5.0	7.6	5.1	4.8	6.0	5.8	6.3	5.9
NEXUS XD (SP4)	7.0	5.3	7.6	6.2	5.4	5.0	5.8	5.1	5.9
PM 102	6.9	5.3	7.1	5.6	4.6	5.2	5.6	7.1	5.9
E-99	6.9	5.2	6.7	5.1	4.4	5.8	6.1	7.4	5.9

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT EIGHT LOCATIONS 1/  
 IN THE NORTH CENTRAL REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL1	IN1	MI1	MN1	NE1	SD1	WI1	MEAN
D04-LP05	7.0	5.3	7.0	5.6	4.7	4.8	5.8	7.4	5.9
GOALKEEPER II (JR-114)	7.0	4.7	6.5	5.8	4.9	5.5	6.3	6.7	5.9
LA QUINTA (JR-255)	7.1	5.3	7.2	5.2	4.7	4.9	5.8	7.1	5.9
O4-BEN	6.7	5.7	7.0	5.1	4.7	4.9	5.8	7.5	5.9
INSPIRE	7.1	5.9	6.8	5.4	4.6	4.9	5.6	6.9	5.9
DP 17-9788	6.9	5.5	6.0	5.5	4.9	5.2	5.6	7.4	5.9
HALO (KN42)	7.0	5.1	7.2	5.3	5.4	5.1	6.1	5.6	5.8
BRIGHTSTAR SLT	7.2	5.0	6.7	5.5	5.1	4.3	5.3	7.2	5.8
HEADSTART 2	6.4	5.0	7.3	5.9	5.0	4.8	5.9	5.6	5.7
CADDIESHACK II (JR-163)	7.1	4.4	7.0	5.2	4.6	5.0	5.8	6.9	5.7
PST-2BLK	6.4	5.3	7.1	4.9	5.0	4.9	5.4	6.9	5.7
PHENOM (APR 1660)	7.1	5.4	5.6	5.8	4.5	4.9	6.4	6.1	5.7
PENTIUM	7.0	5.7	6.1	4.8	4.5	4.5	6.1	7.0	5.7
PREMIER II	7.2	4.9	6.0	5.6	4.8	5.0	5.9	6.5	5.7
BARLENNIUM	6.7	5.5	6.1	5.0	4.6	4.6	6.0	6.7	5.7
O4-BRE	7.2	4.6	6.2	4.8	5.0	4.9	5.9	6.4	5.7
APR 1670	7.0	5.7	6.0	5.1	4.0	4.9	6.0	6.4	5.6
L44	6.5	4.8	6.8	5.5	4.8	4.9	5.9	5.9	5.6
PIANIST (DP 17-9505)	6.5	4.7	6.5	5.5	5.0	5.2	6.1	5.3	5.6
PANTHER	7.5	4.7	6.2	4.8	4.2	4.8	6.3	5.8	5.5
PALMER III	6.2	4.7	6.2	5.1	4.3	5.3	5.9	6.4	5.5
SRX 4692	6.7	4.9	6.1	4.8	4.3	4.7	4.8	7.5	5.5
SRX 4682	7.1	5.0	6.0	4.3	4.4	4.6	5.1	6.4	5.4
LPR 02203	7.2	4.0	5.2	3.8	4.0	4.1	4.4	5.8	4.8
AFFINITY	6.7	4.8	4.3	4.4	3.3	3.9	5.4	5.2	4.8
PREMIER	7.4	4.4	4.6	3.9	2.7	3.4	4.1	5.4	4.5
PINNACLE	7.0	4.2	3.8	3.7	2.8	3.0	4.2	4.9	4.2
LINN	6.6	3.0	2.3	2.3	1.1	1.1	2.0	2.8	2.7
LSD VALUE	1.1	1.2	0.8	0.9	1.0	1.1	0.8	1.9	0.4
C.V. (%)	9.4	13.5	7.5	9.3	12.7	13.3	7.8	17.4	11.9

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

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

TABLE 7.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWO LOCATIONS 1/  
IN THE UPPER WEST/MOUNTAIN REGION  
2006 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	UT1	WA1	MEAN	NAME	UT1	WA1	MEAN
D04-11T	7.0	5.6	6.3	BAR LP 4920	5.5	5.4	5.5
CUTTER II (PM 101)	6.6	5.7	6.1	REGAL 5 (IS-PR 271)	5.7	5.2	5.5
CALYPSO 3 (MS2)	6.3	5.9	6.1	TOP GUN II (JR-324)	5.9	5.0	5.5
APR 1648	6.4	5.7	6.0	DCM	6.1	4.8	5.4
PALACE (IS-PR 273)	6.5	5.6	6.0	WIND DANCE 2 (PWDR)	5.8	5.0	5.4
SR 4600 (SRX 4SP)	6.4	5.6	6.0	GALATTI (DP 17-9502)	5.4	5.4	5.4
EXACTA II GLSR (LTP-611-GLSR)	6.5	5.5	6.0	HOMERUN (RG3P)	5.5	5.3	5.4
MMW	6.4	5.4	5.9	ATTRIBUTE (IS-PR 270)	5.8	5.0	5.4
NEXUS XR (SNR)	6.5	5.2	5.9	KEYSTONE 2 (IS-PR 312)	5.8	5.0	5.4
ASP6003 (TRS)	6.2	5.5	5.9	PARAGON GLR	5.6	5.2	5.4
1G SQUARED (APR 1664)	6.3	5.4	5.8	PREMIER II	6.3	4.5	5.4
FIESTA 4 (PICK F4)	6.0	5.6	5.8	MONTEREY 3 (JR-408)	5.6	5.2	5.4
DP 17-9499	6.1	5.5	5.8	SECRETARIAT II GLSR (LTP-101-GLSR)	5.6	5.1	5.4
VB99	6.3	5.3	5.8	DP 17-9788	6.3	4.4	5.4
MACH I	6.0	5.5	5.8	SUNSHINE 2	5.0	5.6	5.3
FIREBOLT (PRG HS-01-09)	6.2	5.3	5.8	PHENOM (APR 1660)	5.5	5.1	5.3
PIZZAZZ	6.2	5.4	5.8	ZOOM (LCK)	5.6	5.0	5.3
ASP6002 (BPR)	5.6	5.9	5.8	ASP6001 (RTS)	5.6	5.0	5.3
ACCENT II (JR-119)	6.6	5.0	5.8	EDGE II (AC2)	5.2	5.3	5.3
PLEASURE SUPREME (PM 103)	5.8	5.7	5.7	DELAWARE XL (PICK 01-2)	4.7	5.9	5.3
GRAY STAR (PST-2LGL)	5.8	5.7	5.7	GRAND SLAM 2 (PST-2GSM)	5.5	5.0	5.3
D04-1667	6.0	5.5	5.7	CITATION FORE	5.7	4.8	5.3
PRIMARY (IS-PR 269)	6.2	5.1	5.7	NEXUS XD (SP4)	5.3	5.2	5.3
AMAZING GS (IS-PR 276)	6.1	5.2	5.7	PINNACLE II	5.3	5.2	5.3
DASHER 3 (PICK RB-1)	6.4	4.9	5.6	REPELL GLS	5.8	4.8	5.3
TR47	5.8	5.5	5.6	SILVER DOLLAR	5.3	5.2	5.2
SRX 4692	6.4	4.9	5.6	REVENGE GLX (JR-348)	5.2	5.2	5.2
ASP6006 (LPFG)	5.9	5.4	5.6	VB77	5.2	5.2	5.2
BUENA VISTA	6.0	5.2	5.6	L44	5.5	5.0	5.2
BARLENNIUM	6.2	5.0	5.6	GL-2	5.0	5.5	5.2
PICK 02-R	6.2	5.0	5.6	APR 1670	5.8	4.6	5.2
ASP6004 (EXS54)	5.7	5.4	5.6	PALMER IV	5.1	5.3	5.2
CABO II (IS-PR 233)	5.2	5.9	5.5	PS-2	5.2	5.2	5.2
DART (APR 1663)	6.0	5.1	5.5	04-BEN	5.6	4.8	5.2
DERBY XTREME (IS-PR 268)	5.7	5.4	5.5	ASP6005 (AJM)	4.8	5.6	5.2
INSPIRE	6.2	4.9	5.5	D04-LP05	5.0	5.3	5.2
RAD-PR8	6.0	5.1	5.5	04-BRE	5.7	4.6	5.2
CADDIESHACK II (JR-163)	6.6	4.4	5.5	BAR LP 4317	5.3	5.0	5.2
DP1	5.9	5.1	5.5	KOKOMO II (IS-PR 235)	5.0	5.3	5.2
PM 102	5.4	5.7	5.5	ALL*STAR 3 (IS-PR 274)	5.4	4.9	5.1
QUICKSILVER	5.9	5.2	5.5	HEADSTART 2	5.1	5.2	5.1
LINE DRIVE GLS (APR 1797)	5.7	5.3	5.5	PRESIDIO (CNV)	4.8	5.5	5.1
GPR	5.6	5.3	5.5	HALO (KN42)	4.7	5.6	5.1
RNS	5.8	5.2	5.5	E-99	5.3	5.0	5.1
BAR LP 4420	5.6	5.3	5.5	HARRIER (SRX 4UP3)	5.6	4.6	5.1
				ES45	4.9	5.3	5.1

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT TWO LOCATIONS 1/  
 IN THE UPPER WEST/MOUNTAIN REGION  
 2006 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	UT1	WA1	MEAN
LA QUINTA (JR-255)	5.5	4.7	5.1
PST-2LAN	5.5	4.7	5.1
D04-UP	5.3	4.8	5.0
MANHATTAN 5 GLR (PST-2AM)	5.0	5.0	5.0
OVERDRIVE	4.9	5.2	5.0
PST-2MNG	5.1	5.0	5.0
GOALKEEPER II (JR-114)	5.0	5.0	5.0
PIANIST (DP 17-9505)	5.1	5.0	5.0
STELLAR GL (IS-PR 236)	5.0	5.1	5.0
BRIGHTSTAR SLT	5.5	4.5	5.0
PANTHER GLS	5.1	4.9	5.0
PENTIUM	5.0	5.0	5.0
FUSION	5.3	4.6	5.0
PANTHER	5.2	4.6	4.9
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.4	5.2	4.8
PALMER III	5.0	4.6	4.8
PST-2AG4	4.9	4.8	4.8
APPLE GL (AAZ-B104)	4.5	5.0	4.8
AF	4.9	4.6	4.8
SRX 4682	4.9	4.6	4.7
PROTEGE GLR	4.5	4.9	4.7
PST-217	5.0	4.4	4.7
PST-2BLK	4.4	4.9	4.6
AFFINITY	5.0	3.9	4.4
LPR 02203	4.8	4.0	4.4
PINNACLE	4.6	3.8	4.2
PREMIER	4.2	4.0	4.1
LINN	3.6	2.0	2.8
LSD VALUE	1.7	0.8	1.0
C.V. (%)	19.6	9.2	15.7

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

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

TABLE 8.

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/  
2006 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
VB99	5.7	6.0	6.3	7.7	8.0	8.3	7.7	7.0	8.0	7.0	7.0	6.0	7.1
KOKOMO II (IS-PR 235)	6.0	6.0	6.7	7.3	8.0	8.7	7.3	6.7	8.0	7.0	7.0	6.0	7.1
ALL*STAR 3 (IS-PR 274)	6.7	6.3	6.7	7.3	8.0	8.0	7.0	6.7	7.7	7.0	7.0	6.0	7.0
PROTEGE GLR	6.0	6.0	6.3	7.7	7.7	8.3	7.7	6.7	7.7	7.0	7.0	6.0	7.0
PICK 02-R	6.3	6.0	6.0	7.7	7.7	8.3	7.7	6.7	8.0	6.7	6.7	5.7	6.9
AMAZING GS (IS-PR 276)	6.0	6.0	6.3	7.3	7.7	8.3	7.7	6.3	7.7	7.0	7.0	6.0	6.9
FIREBOLT (PRG HS-01-09)	6.3	6.0	6.0	7.0	8.0	8.0	7.7	6.7	7.7	7.0	7.0	6.0	6.9
APPLE GL (AAZ-B104)	6.0	5.7	6.3	7.7	7.7	8.0	7.7	6.7	7.3	7.0	7.0	6.0	6.9
ASP6003 (TRS)	6.0	6.0	6.0	7.3	7.7	9.0	7.0	7.0	7.7	7.0	6.7	5.7	6.9
ATTRIBUTE (IS-PR 270)	6.3	5.7	6.7	7.3	7.7	8.0	7.0	6.3	8.0	7.0	7.0	6.0	6.9
GPR	6.0	6.0	6.0	7.0	8.0	8.7	7.3	6.7	7.3	7.0	7.0	6.0	6.9
PARAGON GLR	6.3	6.0	6.0	7.0	7.7	8.0	8.0	6.7	7.3	7.0	7.0	6.0	6.9
ZOOM (LCK)	6.3	5.7	6.7	7.3	7.7	8.0	7.3	6.7	7.3	7.0	7.0	6.0	6.9
CUTTER II (PM 101)	6.3	5.7	6.0	7.3	7.7	8.3	7.7	7.0	7.3	7.0	6.7	5.7	6.9
D04-11T	6.0	6.0	6.3	7.0	7.7	8.0	7.3	6.7	7.7	7.0	7.0	6.0	6.9
D04-UP	6.3	6.0	6.7	7.0	7.3	8.0	7.7	6.3	7.3	7.0	7.0	6.0	6.9
HALO (KN42)	5.3	5.7	6.0	7.0	8.0	8.7	7.7	6.7	8.0	7.0	7.0	5.7	6.9
KEYSTONE 2 (IS-PR 312)	6.0	6.0	6.7	7.3	7.3	8.0	7.0	7.0	7.3	7.0	7.0	6.0	6.9
REGAL 5 (IS-PR 271)	5.7	6.0	6.3	7.3	7.7	8.3	7.0	7.0	7.3	7.0	7.0	6.0	6.9
DP1	6.0	5.7	6.3	7.3	7.7	8.0	7.7	6.7	7.3	7.0	7.0	5.7	6.9
FIESTA 4 (PICK F4)	6.0	6.3	5.7	7.0	7.0	8.0	8.0	6.7	7.7	7.0	7.0	6.0	6.9
MACH I	6.0	6.0	6.7	7.0	7.7	8.3	7.3	6.7	7.0	7.0	7.0	5.7	6.9
CABO II (IS-PR 233)	5.7	5.7	6.7	7.3	7.7	8.0	7.3	6.7	7.7	7.0	6.7	5.7	6.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	6.0	6.3	7.0	7.3	8.0	7.3	6.7	7.3	7.0	7.0	6.0	6.8
D04-LP05	6.3	6.3	6.7	6.7	7.0	8.0	7.0	6.7	7.3	7.0	7.0	6.0	6.8
DERBY XTREME (IS-PR 268)	6.7	6.0	6.7	7.3	7.7	8.0	7.0	6.7	7.0	7.0	6.7	5.3	6.8
EDGE II (AC2)	6.3	6.0	6.0	7.0	7.3	8.0	7.7	7.0	7.0	7.0	7.0	5.7	6.8
MMW	6.3	5.7	6.0	7.0	7.7	8.0	7.3	6.7	7.3	7.0	7.0	6.0	6.8
PM 102	6.0	6.0	6.0	7.3	7.3	8.0	7.3	6.7	8.0	7.0	6.7	5.7	6.8
SUNSHINE 2	6.0	6.0	6.0	7.3	7.3	8.0	7.3	6.7	7.3	7.0	7.0	6.0	6.8
APR 1648	6.0	6.0	6.0	7.0	7.3	8.0	7.3	7.0	7.3	7.0	7.0	5.7	6.8
HOMERUN (RG3P)	6.3	6.0	6.3	7.0	7.3	8.0	7.0	6.7	7.0	7.0	7.0	6.0	6.8
OVERDRIVE	6.0	6.0	6.7	7.0	7.7	7.7	7.7	6.7	7.0	7.0	6.7	5.7	6.8
PRIMARY (IS-PR 269)	5.7	6.0	6.7	7.0	7.7	8.0	7.0	6.7	7.0	7.0	7.0	6.0	6.8
VB77	5.3	5.7	6.0	7.0	7.7	8.3	7.7	6.7	8.0	7.0	6.7	5.7	6.8
ASP6005 (AJM)	6.0	5.7	6.0	6.7	7.3	8.3	7.3	6.3	8.0	7.0	7.0	6.0	6.8
LA QUINTA (JR-255)	5.3	5.3	6.0	7.7	8.0	8.7	7.7	6.3	7.3	7.0	6.7	5.3	6.8
SILVER DOLLAR	6.0	5.3	6.3	7.0	7.3	8.3	7.3	6.7	7.0	7.0	7.0	6.0	6.8
ASP6004 (EXS54)	5.3	5.3	6.7	7.0	7.0	8.0	7.7	6.7	8.0	7.0	7.0	5.7	6.8
LINE DRIVE GLS (APR 1797)	6.3	6.0	6.0	7.0	7.0	8.0	7.3	6.7	7.0	7.0	7.0	6.0	6.8
PRESIDIO (CNV)	6.0	6.0	6.0	7.3	7.3	7.7	7.7	6.3	7.3	7.0	6.7	6.0	6.8
STELLAR GL (IS-PR 236)	5.7	5.7	6.3	7.3	7.7	8.3	7.0	6.3	7.7	7.0	6.7	5.7	6.8
ASP6002 (BPR)	6.0	5.7	6.0	7.0	7.3	8.0	7.7	6.7	7.7	7.0	6.7	5.3	6.8
ASP6006 (LPFG)	5.7	5.7	6.0	7.3	7.3	8.3	7.3	6.3	8.0	7.0	6.7	5.3	6.8
BUENA VISTA	6.0	6.0	6.0	7.0	7.3	8.0	7.0	6.3	7.7	7.0	6.7	6.0	6.8
D04-1667	5.7	6.0	6.0	7.0	7.3	8.0	7.3	6.7	7.0	7.0	7.0	6.0	6.8

TABLE 8. (CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/  
2006 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
REPELL GLS	6.0	6.0	6.3	6.7	7.3	8.0	7.0	6.7	7.0	7.0	7.0	6.0	6.8
ASP6001 (RTS)	5.3	5.3	6.0	7.3	7.7	8.3	8.0	6.0	7.3	7.0	7.0	5.3	6.7
CADDIESHACK II (JR-163)	6.0	5.7	6.0	7.0	7.3	8.0	7.0	6.7	7.0	7.0	7.0	6.0	6.7
CALYPSO 3 (MS2)	5.7	5.7	6.0	7.0	7.0	8.0	7.0	7.0	7.3	7.0	7.0	6.0	6.7
HARRIER (SRX 4UP3)	5.7	5.3	6.0	7.0	7.3	8.0	7.0	7.0	7.7	7.0	7.0	5.7	6.7
DASHER 3 (PICK RB-1)	6.0	5.7	6.3	7.0	7.3	8.0	7.7	6.3	7.0	7.0	6.7	5.7	6.7
NEXUS XR (SNR)	5.7	5.7	6.0	7.3	7.7	8.0	7.7	6.3	7.3	7.0	6.7	5.3	6.7
PALACE (IS-PR 273)	5.7	5.7	6.0	7.3	7.3	8.0	7.3	7.0	7.0	7.0	6.7	5.7	6.7
04-BEN	5.7	5.7	6.0	7.3	7.3	8.0	7.3	6.7	7.0	7.0	6.7	5.7	6.7
DCM	6.0	5.7	6.0	7.0	7.0	8.0	7.3	6.3	7.0	7.0	7.0	6.0	6.7
PST-2MNG	6.0	5.7	6.3	7.0	7.3	8.0	7.3	6.7	7.0	7.0	6.7	5.3	6.7
FUSION	6.0	5.7	6.3	7.3	7.7	8.3	7.0	5.7	7.7	7.0	6.3	5.3	6.7
PST-2LAN	6.3	6.0	6.0	7.0	7.3	8.0	7.0	6.3	7.0	7.0	6.7	5.7	6.7
RNS	6.0	6.0	6.3	7.0	7.3	7.7	7.3	6.3	7.0	7.0	6.7	5.7	6.7
SECRETARIAT II GLSR (LTP-101-GLSR)	6.0	5.7	6.0	7.0	7.7	8.0	7.0	6.3	7.3	6.7	7.0	5.7	6.7
APR 1670	6.3	6.0	6.0	7.0	7.0	8.0	7.0	6.3	7.0	7.0	6.7	5.7	6.7
BAR LP 4420	6.0	6.0	6.0	6.7	7.3	7.7	7.0	6.3	7.0	7.0	7.0	6.0	6.7
EXACTA II GLSR (LTP-611-GLSR)	6.0	6.0	6.0	7.0	7.3	7.7	7.0	6.7	7.0	7.0	6.7	5.7	6.7
PALMER IV	5.7	5.7	6.3	7.0	7.3	7.7	7.3	6.7	7.3	7.0	6.7	5.3	6.7
PANTHER GLS	6.0	5.7	5.7	7.3	7.3	8.0	7.3	6.3	7.3	7.0	6.3	5.7	6.7
PS-2	5.7	5.7	6.0	7.0	7.3	8.0	7.0	6.3	7.0	7.0	7.0	6.0	6.7
PST-217	5.7	5.7	6.3	7.0	7.7	8.0	7.0	6.0	7.0	7.0	7.0	5.7	6.7
GOALKEEPER II (JR-114)	5.3	5.3	6.0	7.0	7.3	8.0	7.7	6.7	7.0	7.0	6.7	5.7	6.6
HEADSTART 2	6.3	6.0	6.0	7.0	7.7	8.0	7.3	6.7	7.0	6.3	6.3	5.0	6.6
INSPIRE	6.0	5.7	6.0	7.3	7.0	7.7	7.0	6.7	7.0	7.0	6.7	5.7	6.6
GRAY STAR (PST-2LGL)	6.0	5.7	6.3	7.7	7.0	8.0	7.0	6.7	7.0	6.7	6.3	5.3	6.6
L44	5.3	5.3	6.0	7.3	7.7	8.0	8.0	6.3	7.3	6.7	6.3	5.3	6.6
ES45	5.7	5.3	6.0	7.0	7.3	8.0	7.7	6.0	7.7	7.0	6.3	5.3	6.6
TR47	5.7	5.3	6.0	7.0	7.0	8.0	7.0	6.3	7.3	7.0	7.0	5.7	6.6
AF	5.7	5.3	6.0	7.0	7.3	8.0	7.3	6.7	7.0	7.0	6.7	5.3	6.6
PLEASURE SUPREME (PM 103)	5.3	5.7	5.7	7.0	7.0	8.0	7.7	6.7	7.3	7.0	6.3	5.7	6.6
NEXUS XD (SP4)	4.7	5.3	5.7	7.0	7.7	8.3	7.7	6.0	7.3	7.0	6.7	5.7	6.6
PREMIER II	6.0	5.7	5.7	6.7	7.0	7.7	7.3	6.3	7.0	7.0	7.0	5.7	6.6
PST-2BLK	5.7	5.3	6.3	7.0	7.3	8.0	7.3	6.3	7.0	7.0	6.7	5.0	6.6
MANHATTAN 5 GLR (PST-2AM)	6.0	6.0	5.7	7.0	7.3	7.7	7.0	6.3	7.0	7.0	6.3	5.3	6.6
PIZZAZZ	5.3	5.7	6.0	7.0	7.0	8.0	7.3	6.3	7.0	7.0	6.7	5.3	6.6
REVENGE GLX (JR-348)	6.0	5.7	6.0	6.7	7.3	7.7	7.0	6.0	7.0	7.0	6.7	5.7	6.6
WIND DANCE 2 (PWDR)	6.0	5.3	6.0	7.0	7.0	7.7	7.7	6.0	7.7	7.0	6.3	5.0	6.6
BARLENNIUM	6.0	5.7	6.0	6.7	7.0	7.7	7.0	6.0	7.0	7.0	6.7	5.7	6.5
DELAWARE XL (PICK 01-2)	5.0	5.0	5.7	7.0	7.3	8.0	7.0	6.3	7.0	7.0	7.0	6.0	6.5
GL-2	5.7	5.7	5.7	7.0	7.0	7.7	7.0	6.0	7.0	7.0	6.7	6.0	6.5
PHENOM (APR 1660)	5.7	5.3	5.7	6.7	7.3	7.7	7.0	6.0	7.0	7.0	7.0	6.0	6.5
QUICKSILVER	5.7	5.3	6.0	7.0	7.0	8.0	7.0	6.0	7.0	7.0	6.7	5.7	6.5
DART (APR 1663)	6.0	5.7	5.7	7.0	7.0	7.7	7.0	6.0	7.0	7.0	6.7	5.3	6.5
GALATTI (DP 17-9502)	6.0	5.3	5.7	7.0	7.0	7.7	7.3	6.3	7.0	7.0	6.3	5.3	6.5
SR 4600 (SRX 4SP)	5.7	5.7	6.0	6.7	6.7	7.7	7.0	6.3	7.0	7.0	6.7	5.7	6.5

TABLE 8. (CONT'D)

TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT CORVALLIS, OR (PACIFIC REGION) 1/  
2006 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
1G SQUARED (APR 1664)	5.3	5.3	5.7	7.3	7.3	8.0	6.3	6.0	7.0	7.0	6.7	5.7	6.5
BAR LP 4317	6.0	5.7	6.0	7.0	7.0	7.3	7.0	6.0	7.0	6.7	6.3	5.7	6.5
PENTIUM	5.7	5.3	6.0	6.7	7.0	7.7	7.0	6.7	7.0	6.7	6.7	5.3	6.5
PST-2AG4	5.3	5.0	6.0	7.0	7.3	8.0	7.0	6.3	7.0	7.0	6.7	5.0	6.5
RAD-PR8	5.3	5.3	6.0	7.0	7.0	8.0	7.0	6.7	7.0	6.7	6.3	5.3	6.5
04-BRE	5.7	5.7	6.0	7.0	7.0	7.3	7.3	5.7	7.0	7.0	6.3	5.3	6.4
BAR LP 4920	6.7	6.3	5.7	6.7	7.0	7.3	7.0	5.3	6.7	7.0	6.3	5.3	6.4
ACCENT II (JR-119)	6.0	5.7	5.7	6.7	7.0	8.0	7.0	6.0	7.0	6.7	6.7	5.0	6.4
CITATION FORE	5.7	5.3	6.0	7.0	7.0	7.7	7.0	6.3	6.7	6.7	6.7	5.3	6.4
GRAND SLAM 2 (PST-2GSM)	5.7	5.3	6.0	7.0	7.3	7.3	6.7	5.7	7.0	7.0	6.7	5.7	6.4
BRIGHTSTAR SLT	6.0	5.3	5.7	7.0	7.0	7.7	7.0	6.7	7.0	6.3	6.3	5.0	6.4
MONTEREY 3 (JR-408)	6.0	5.7	5.0	7.0	7.0	7.7	7.0	6.3	7.0	6.7	6.3	5.3	6.4
SRX 4692	5.7	5.3	5.3	6.7	7.7	7.7	7.0	6.0	7.0	6.7	6.7	5.3	6.4
TOP GUN II (JR-324)	6.0	5.7	6.0	7.0	7.3	7.7	7.0	6.0	7.3	6.3	6.0	4.7	6.4
PIANIST (DP 17-9505)	6.0	5.0	5.0	7.0	7.0	7.3	7.3	6.3	7.0	7.0	6.3	5.0	6.4
DP 17-9499	5.0	5.0	5.7	7.0	7.0	7.3	7.0	6.0	7.0	7.0	6.7	5.3	6.3
PALMER III	5.3	5.7	5.3	6.7	7.3	7.3	6.7	5.7	7.0	7.0	6.7	5.3	6.3
DP 17-9788	5.7	5.3	5.7	7.0	6.7	7.3	7.0	6.0	7.0	6.7	6.3	5.0	6.3
E-99	5.3	5.3	5.0	7.0	7.0	7.7	7.3	6.3	7.0	7.0	5.7	5.0	6.3
PREMIER	5.7	5.3	5.3	6.7	7.0	7.0	6.7	6.0	7.0	6.7	6.0	5.0	6.2
PINNACLE	5.7	5.7	5.0	6.3	6.7	7.0	7.0	6.0	7.0	6.3	6.0	5.3	6.2
AFFINITY	5.7	5.3	5.3	6.7	7.0	7.0	7.0	6.0	6.7	6.7	5.7	4.7	6.1
PANTHER	5.7	5.7	5.0	6.3	7.0	7.0	6.7	5.7	7.0	6.7	6.3	4.7	6.1
LPR 02203	5.3	5.3	5.3	6.7	7.0	7.0	7.0	6.0	7.0	6.0	6.0	4.3	6.1
SRX 4682	5.3	4.7	5.0	6.7	7.0	7.0	6.0	5.0	6.7	6.3	6.3	5.0	5.9
PINNACLE II	4.3	4.3	5.0	6.3	7.0	6.7	7.0	5.3	6.0	6.3	6.7	5.7	5.9
LINN	4.0	4.0	3.7	4.7	5.0	5.7	5.0	5.7	5.0	5.3	5.0	4.3	4.8
LSD VALUE	1.0	0.8	0.9	0.7	0.8	0.7	0.8	1.0	0.6	0.5	0.8	1.0	0.4
C.V. (%)	10.3	9.2	9.0	5.8	6.5	5.7	6.9	10.1	5.6	4.1	7.6	11.7	3.9

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 9.

TURFGRASS PERCENT GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/ 2/  
GROWN UNDER TRAFFIC STRESS AT EAST LANSING, MI \*/  
2006 DATA

NAME	PERCENT COVER SPRING	PERCENT COVER FALL	NAME	PERCENT COVER SPRING	PERCENT COVER FALL
PALMER III	53.3	78.3	D04-UP	60.0	56.7
AF	58.3	73.3	DART (APR 1663)	46.7	56.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	46.7	73.3	DCM	33.3	56.7
MMW	63.3	73.3	DP 17-9499	50.0	56.7
PANTHER	46.7	73.3	DP 17-9788	53.3	56.7
PLEASURE SUPREME (PM 103)	58.3	73.3	E-99	48.3	56.7
SRX 4682	55.0	73.3	HOMERUN (RG3P)	50.0	56.7
TR47	56.7	73.3	KEYSTONE 2 (IS-PR 312)	40.0	56.7
SILVER DOLLAR	58.3	70.0	PENTIUM	43.3	56.7
ASP6004 (EXS54)	50.0	70.0	PHENOM (APR 1660)	55.0	56.7
BAR LP 4317	51.7	70.0	PIANIST (DP 17-9505)	43.3	56.7
BAR LP 4420	51.7	70.0	PS-2	51.7	56.7
BAR LP 4920	60.0	70.0	PST-2AG4	50.0	56.7
CADDIESHACK II (JR-163)	40.0	70.0	GRAND SLAM 2 (PST-2GSM)	60.0	56.7
OVERDRIVE	58.3	70.0	REPELL GLS	36.7	56.7
PALACE (IS-PR 273)	46.7	70.0	APR 1648	50.0	53.3
PALMER IV	53.3	70.0	ASP6006 (LPFG)	55.0	53.3
PARAGON GLR	45.0	70.0	ATTRIBUTE (IS-PR 270)	41.7	53.3
RAD-PR8	56.7	70.0	BRIGHTSTAR SLT	43.7	53.3
NEXUS XR (SNR)	48.3	70.0	BUENA VISTA	43.3	53.3
ASP6005 (AJM)	60.0	66.7	CITATION FORE	53.3	53.3
EXACTA II GLSR (LTP-611-GLSR)	60.0	66.7	D04-1667	40.0	53.3
GL-2	53.3	66.7	DELAWARE XL (PICK 01-2)	53.3	53.3
MONTEREY 3 (JR-408)	51.7	66.7	ES45	56.7	53.3
DASHER 3 (PICK RB-1)	56.7	66.7	GRAY STAR (PST-2LGL)	51.7	53.3
PST-217	65.0	66.7	PIZZAZZ	55.0	53.3
VB77	60.0	66.7	QUICKSILVER	50.0	53.3
1G SQUARED (APR 1664)	58.3	63.3	REGAL 5 (IS-PR 271)	50.0	53.3
ALL*STAR 3 (IS-PR 274)	55.0	63.3	TOP GUN II (JR-324)	60.0	53.3
APPLE GL (AAZ-B104)	46.7	63.3	ASP6001 (RTS)	43.3	50.0
CABO II (IS-PR 233)	43.3	63.3	D04-LP05	55.0	50.0
GPR	36.7	63.3	DP1	40.0	50.0
LINE DRIVE GLS (APR 1797)	61.7	63.3	GALATTI (DP 17-9502)	46.7	50.0
PREMIER II	58.3	63.3	HALO (KN42)	50.0	50.0
PROTEGE GLR	25.0	63.3	ZOOM (LCK)	56.7	50.0
STELLAR GL (IS-PR 236)	40.0	63.3	LPR 02203	33.3	50.0
EDGE II (AC2)	55.0	60.0	MACH I	45.0	50.0
APR 1670	61.7	60.0	PANTHER GLS	36.7	50.0
ASP6002 (BPR)	58.3	60.0	CUTTER II (PM 101)	51.7	50.0
BARLENNIUM	55.0	60.0	PREMIER	50.0	50.0
LA QUINTA (JR-255)	43.3	60.0	VB99	53.3	50.0
MANHATTAN 5 GLR (PST-2AM)	53.3	60.0	04-BEN	36.7	46.7
CALYPSO 3 (MS2)	53.3	60.0	D04-11T	27.0	46.7
PRESIDIO (CNV)	35.0	60.0	GOALKEEPER II (JR-114)	48.3	46.7
PST-2MNG	36.7	60.0	HEADSTART 2	30.0	46.7
RNS	46.7	60.0	INSPIRE	40.0	46.7
ACCENT II (JR-119)	61.7	56.7	PM 102	51.7	46.7
ASP6003 (TRS)	51.7	56.7	REVENGE GLX (JR-348)	58.3	46.7

TABLE 9. TURFGRASS PERCENT GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/ 2/  
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT EAST LANSING, MI \*/  
 2006 DATA

NAME	PERCENT COVER SPRING	PERCENT COVER FALL
SECRETARIAT II GLSR (LTP-101-GLSR)	30.3	46.7
NEXUS XD (SP4)	40.0	46.7
FIESTA 4 (PICK F4)	60.0	45.0
AFFINITY	53.3	43.3
FUSION	48.3	43.3
HARRIER (SRX 4UP3)	45.0	43.3
KOKOMO II (IS-PR 235)	33.7	43.3
L44	50.0	43.3
PICK 02-R	40.0	43.3
PINNACLE	53.3	43.3
PRIMARY (IS-PR 269)	56.7	43.3
PST-2LAN	63.3	43.3
WIND DANCE 2 (PWDR)	40.0	43.3
SUNSHINE 2	36.7	41.7
FIREBOLT (PRG HS-01-09)	46.7	40.0
PST-2BLK	46.7	40.0
SRX 4692	30.0	36.7
AMAZING GS (IS-PR 276)	46.7	33.3
PINNACLE II	40.0	33.3
04-BRE	46.7	31.7
DERBY XTREME (IS-PR 268)	55.0	30.0
SR 4600 (SRX 4SP)	43.3	26.7
LINN	20.3	15.0
LSD VALUE	32.3	52.7
C.V. (%)	26.2	31.2

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.

\*/ 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 \*/  
 2006 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	BROWN PATCH WARM TEMP.	APR	MAY	JUN	QUALITY RATINGS				MEAN
								JUL	AUG	SEP	OCT	
PLEASURE SUPREME (PM 103)	8.3	7.7	7.7	5.0	6.3	6.7	7.0	5.3	6.3	5.3	5.0	6.0
EDGE II (AC2)	7.7	8.3	8.0	5.0	5.7	6.0	6.3	6.3	6.3	5.0	5.0	5.8
PIZZAZZ	8.3	8.7	8.3	6.3	5.7	6.0	6.0	5.7	6.3	5.7	5.0	5.8
ASP6006 (LPFG)	8.0	8.3	8.3	4.7	5.7	5.7	7.0	5.3	6.0	5.0	5.0	5.7
DO4-11T	7.7	8.7	8.0	6.7	5.0	5.0	6.7	6.3	6.0	5.0	5.7	5.7
GPR	7.7	8.0	8.0	5.0	6.0	5.0	6.3	5.7	6.3	5.7	5.0	5.7
CUTTER II (PM 101)	7.7	8.3	8.7	6.3	5.7	5.3	6.3	5.7	5.7	6.0	5.3	5.7
APR 1648	8.0	8.3	8.3	8.0	6.0	5.3	6.3	6.0	6.7	4.7	4.0	5.6
ASP6004 (EXS54)	7.0	8.3	8.3	5.7	5.3	5.3	6.7	5.3	6.3	5.0	5.0	5.6
DERBY XTREME (IS-PR 268)	8.0	8.3	8.3	5.3	5.3	6.0	7.0	5.0	5.3	5.0	5.3	5.6
NEXUS XR (SNR)	7.7	8.0	8.3	6.0	5.3	4.7	6.7	5.0	7.0	6.0	4.7	5.6
ASP6005 (AJM)	7.7	7.7	7.7	6.7	5.3	5.3	6.7	5.7	5.3	5.0	5.0	5.5
BUENA VISTA	7.7	8.3	9.0	6.3	5.0	5.0	5.3	5.3	6.7	5.7	5.3	5.5
EXACTA II GLSR (LTP-611-GLSR)	8.0	7.7	8.3	4.3	4.7	4.3	6.3	5.7	6.7	5.7	5.0	5.5
PALMER IV	7.7	7.7	7.3	4.0	5.0	5.7	7.0	5.3	5.7	5.0	5.0	5.5
INSPIRE	8.0	8.7	8.7	5.3	6.0	5.3	6.3	6.3	5.3	5.0	3.7	5.4
KEYSTONE 2 (IS-PR 312)	8.3	8.0	8.3	6.0	5.7	6.0	5.7	5.3	5.3	4.7	5.3	5.4
ATTRIBUTE (IS-PR 270)	7.7	8.0	8.0	5.3	5.3	5.0	7.0	5.7	5.3	4.7	4.3	5.3
DO4-1667	7.3	8.0	8.3	6.3	5.0	5.0	6.0	5.7	5.7	5.3	4.7	5.3
DP1	7.0	8.0	8.7	6.7	5.3	5.0	5.0	5.3	6.0	5.3	5.0	5.3
E-99	7.7	8.3	8.7	4.7	5.0	5.0	5.7	4.7	6.3	5.0	5.3	5.3
TOP GUN II (JR-324)	7.3	8.0	8.7	6.0	5.0	4.7	5.3	6.0	6.3	5.0	5.0	5.3
WIND DANCE 2 (PWDR)	7.0	7.7	8.0	5.7	5.3	4.7	6.0	5.7	6.3	5.0	4.3	5.3
SILVER DOLLAR	7.7	7.3	8.3	6.3	5.0	5.3	6.0	5.3	5.3	5.0	4.7	5.2
1G SQUARED (APR 1664)	7.7	8.0	8.3	6.0	4.7	5.0	6.0	6.0	5.3	4.3	5.0	5.2
GL-2	7.3	7.7	8.0	5.3	4.3	5.3	6.3	5.7	5.7	4.7	4.3	5.2
PARAGON GLR	7.0	8.0	8.0	6.0	4.3	4.3	6.0	5.3	5.7	5.7	5.0	5.2
PICK O2-R	7.0	7.7	8.3	5.0	5.0	5.7	6.3	5.3	5.0	4.7	4.7	5.2
RNS	7.7	7.7	7.7	6.0	5.0	5.7	6.3	5.3	4.3	4.7	5.0	5.2
FIREBOLT (PRG HS-01-09)	7.0	7.7	7.7	6.0	4.3	4.0	5.7	5.3	6.0	5.3	5.3	5.1
MMW	8.0	8.0	8.0	5.0	5.3	4.7	5.3	5.0	5.7	5.0	5.0	5.1
PIANIST (DP 17-9505)	7.7	8.3	7.3	4.3	5.3	5.3	6.0	5.3	5.0	4.3	4.3	5.1
PINNACLE II	7.0	8.0	7.7	6.0	4.7	4.7	6.0	5.0	5.7	5.0	4.7	5.1
PRESIDIO (CNV)	7.3	7.3	8.0	6.0	5.3	5.0	6.3	5.0	5.0	4.3	4.7	5.1
PRIMARY (IS-PR 269)	6.7	8.3	8.7	6.7	4.7	4.3	5.3	5.3	5.7	5.7	5.0	5.1
PST-2MNG	8.0	8.3	8.0	6.3	5.3	4.0	5.7	5.3	5.7	5.0	4.7	5.1
SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	8.3	8.0	5.7	5.3	5.0	6.0	5.7	5.3	4.7	4.0	5.1
NEXUS XD (SP4)	7.3	7.7	8.3	6.3	4.7	4.0	6.0	5.0	6.0	5.0	5.0	5.1
O4-BEN	7.7	8.0	8.0	5.0	5.7	5.0	6.3	5.0	5.0	4.3	4.0	5.0
ALL*STAR 3 (IS-PR 274)	7.3	7.7	7.3	5.3	5.3	5.0	6.0	5.0	4.7	4.3	4.3	5.0
DO4-LP05	7.7	7.7	8.0	6.0	5.3	4.7	5.7	4.7	5.0	5.0	4.7	5.0
FIESTA 4 (PICK F4)	7.3	7.7	7.7	5.3	4.7	4.3	6.3	5.0	5.3	5.0	4.3	5.0
PROTEGE GLR	6.7	7.7	8.0	5.7	4.0	3.7	6.0	5.0	6.7	5.0	5.0	5.0
GRAND SLAM 2 (PST-2GSM)	7.3	8.0	7.7	4.7	5.0	5.0	6.7	5.3	5.0	4.0	4.0	5.0
STELLAR GL (IS-PR 236)	7.0	8.3	8.0	6.0	4.7	4.0	6.0	5.3	5.0	5.0	4.7	5.0
SUNSHINE 2	7.0	7.7	7.7	5.7	5.0	4.7	6.7	4.3	4.7	4.7	5.0	5.0
TR47	7.0	7.3	7.3	4.7	5.7	5.3	6.3	4.7	4.3	4.7	4.3	5.0

TABLE 10.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
GROWN UNDER TRAFFIC STRESS AT MEAD, NE \*/  
2006 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	BROWN PATCH WARM TEMP.	APR	MAY	JUN	QUALITY RATINGS				MEAN
								JUL	AUG	SEP	OCT	
VB99	7.3	8.3	7.3	4.3	5.7	4.7	6.3	5.3	5.0	4.0	4.0	5.0
ACCENT II (JR-119)	8.0	7.7	8.0	7.0	5.3	5.0	5.3	5.0	4.3	4.7	4.7	4.9
BARLENNIUM	7.7	8.0	8.0	5.7	5.0	5.0	5.7	5.7	4.3	4.7	4.0	4.9
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	7.7	7.7	5.0	5.7	4.7	4.7	5.7	4.3	4.3	4.7	4.9
DP 17-9788	8.0	8.3	7.7	4.7	5.3	5.7	6.0	5.7	4.7	4.0	3.0	4.9
ZOOM (LCK)	6.7	7.7	8.7	6.0	4.3	4.3	5.0	6.0	5.0	5.0	4.7	4.9
MONTEREY 3 (JR-408)	7.3	8.0	8.3	6.3	5.0	5.0	5.7	6.0	4.3	4.7	3.7	4.9
PM 102	7.0	7.0	7.7	7.0	5.0	4.7	4.3	5.0	6.0	4.3	4.7	4.9
PST-2LAN	8.0	8.0	7.3	6.3	6.0	4.3	6.3	5.3	4.3	3.7	4.0	4.9
SR 4600 (SRX 4SP)	7.7	7.7	7.7	6.0	5.3	5.3	5.7	5.0	5.0	4.3	3.7	4.9
KOKOMO II (IS-PR 235)	7.3	7.3	8.0	5.7	4.3	4.3	5.3	5.0	6.0	5.0	3.7	4.8
REVENGE GLX (JR-348)	7.0	7.7	8.0	5.7	4.7	4.3	5.0	5.3	5.7	4.7	4.0	4.8
AF	7.3	7.7	7.0	6.7	4.7	5.0	5.3	4.7	4.7	4.0	4.7	4.7
APPLE GL (AAZ-B104)	7.0	7.3	7.3	5.3	4.3	4.7	5.0	5.3	5.0	4.7	3.7	4.7
BAR LP 4420	7.0	7.7	7.3	5.0	4.3	4.3	5.7	5.0	4.7	4.3	4.3	4.7
CADDIESHACK II (JR-163)	7.0	7.7	7.7	6.7	5.0	4.7	4.7	5.7	4.3	4.3	4.0	4.7
DART (APR 1663)	6.3	7.7	7.3	5.3	4.3	3.7	5.3	4.7	5.7	4.7	4.3	4.7
DELAWARE XL (PICK 01-2)	6.7	7.0	8.3	6.7	4.3	4.0	5.0	4.7	5.3	4.7	5.0	4.7
ES45	6.7	7.0	7.7	6.0	4.7	4.3	5.3	4.7	5.3	4.3	4.0	4.7
GOALKEEPER II (JR-114)	7.7	7.7	7.7	6.0	5.0	5.0	5.0	4.7	4.3	4.3	4.3	4.7
HARRIER (SRX 4UP3)	7.0	8.0	8.0	5.3	4.0	3.7	5.0	5.3	6.0	4.7	4.3	4.7
PHENOM (APR 1660)	7.3	7.7	7.7	6.0	5.0	5.0	4.7	4.7	4.7	5.0	4.0	4.7
DASHER 3 (PICK RB-1)	8.0	7.0	7.7	4.7	4.7	5.3	6.3	3.7	4.0	4.3	4.3	4.7
PREMIER II	7.3	7.7	8.0	6.0	5.7	5.0	4.7	5.0	4.3	4.3	4.0	4.7
PST-2BLK	7.3	7.3	8.0	5.3	4.7	4.7	4.7	5.0	5.0	5.0	4.0	4.7
RAD-PR8	7.7	8.0	7.3	5.0	5.0	4.7	6.0	5.3	4.3	4.0	3.3	4.7
REGAL 5 (IS-PR 271)	6.7	7.3	7.7	3.0	4.7	4.3	5.3	4.7	5.3	4.7	4.0	4.7
04-BRE	7.7	7.0	7.7	4.7	5.0	4.7	5.7	4.3	3.7	4.7	4.0	4.6
BAR LP 4317	6.7	7.7	7.7	5.0	4.7	4.7	5.0	5.7	3.7	4.3	4.0	4.6
BAR LP 4920	7.3	7.3	6.7	7.3	5.0	5.0	5.7	4.3	4.0	4.7	3.7	4.6
CALYPSO 3 (MS2)	7.0	7.3	8.0	3.0	4.7	4.7	5.7	4.3	3.7	4.7	4.7	4.6
PST-217	8.0	7.7	7.7	4.3	5.0	4.7	5.0	4.3	4.3	4.3	4.3	4.6
APR 1670	7.0	8.0	7.7	6.0	5.0	3.7	5.3	5.0	5.0	4.3	3.3	4.5
ASP6001 (RTS)	7.0	7.3	7.3	4.3	4.7	4.3	4.7	4.7	4.3	4.0	5.0	4.5
BRIGHTSTAR SLT	7.3	7.3	8.0	7.0	4.7	4.3	5.3	5.0	4.7	4.3	3.3	4.5
CABO II (IS-PR 233)	6.3	7.0	7.7	4.7	4.3	3.7	5.0	4.0	5.7	4.3	4.3	4.5
CITATION FORE	7.7	8.0	7.0	5.0	5.3	5.0	5.3	4.7	4.0	3.7	3.3	4.5
DCM	7.0	7.7	7.7	6.3	4.7	4.7	4.3	5.0	4.3	4.0	4.3	4.5
MANHATTAN 5 GLR (PST-2AM)	6.7	8.0	8.0	5.0	5.7	3.3	4.7	5.0	4.7	4.3	3.7	4.5
PALACE (IS-PR 273)	7.0	7.7	7.3	4.0	4.7	4.3	6.0	4.7	4.7	3.7	3.7	4.5
PENTIUM	7.0	7.3	8.3	7.0	4.7	4.0	5.0	5.0	4.7	4.0	4.0	4.5
AMAZING GS (IS-PR 276)	6.3	6.7	7.3	4.3	3.7	4.0	5.0	4.3	5.0	4.7	4.0	4.4
ASP6003 (TRS)	6.7	7.0	7.3	3.7	4.7	4.0	5.7	3.7	4.7	4.3	4.0	4.4
DO4-UP	6.3	7.7	7.7	5.7	4.0	4.0	4.7	4.7	4.7	4.3	4.3	4.4
GALATTI (DP 17-9502)	6.7	7.0	8.3	5.3	4.0	4.3	3.7	5.0	5.0	4.3	4.3	4.4
HALO (KN42)	6.3	7.0	7.7	6.7	4.7	3.7	5.3	4.3	4.0	4.7	4.3	4.4
L44	7.0	6.7	7.7	5.0	4.0	4.0	5.0	3.7	5.3	4.7	4.3	4.4

TABLE 10.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
GROWN UNDER TRAFFIC STRESS AT MEAD, NE \*/  
2006 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	BROWN PATCH WARM TEMP.	APR	MAY	JUN	QUALITY RATINGS				MEAN
								JUL	AUG	SEP	OCT	
DP 17-9499	6.3	7.3	6.7	5.7	4.3	4.0	4.7	4.7	4.7	4.0	4.0	4.3
FUSION	6.0	7.0	8.0	5.0	3.7	3.0	5.0	4.3	5.3	4.3	4.3	4.3
MACH I	6.3	7.0	7.3	5.7	4.7	3.7	5.0	4.3	3.7	4.3	4.7	4.3
PANTHER	6.7	8.0	8.0	5.3	5.7	4.3	4.7	3.7	4.3	4.0	3.7	4.3
PANTHER GLS	7.0	6.7	7.0	3.3	4.7	4.7	5.0	4.0	3.7	4.3	3.7	4.3
PST-2AG4	6.7	6.7	7.7	5.0	4.3	4.0	5.3	4.0	4.0	4.3	4.0	4.3
ASP6002 (BPR)	6.3	6.7	7.3	4.3	4.3	3.7	5.3	3.7	4.3	4.3	4.0	4.2
GRAY STAR (PST-2LGL)	6.3	7.0	7.3	6.0	5.0	4.0	4.7	3.7	3.7	4.3	4.0	4.2
OVERDRIVE	6.7	7.0	7.3	5.3	4.3	4.0	5.0	4.3	4.3	3.7	4.0	4.2
PALMER III	6.7	7.3	7.7	6.0	5.0	3.0	4.7	4.3	4.3	4.3	4.0	4.2
HOMERUN (RG3P)	6.0	7.3	7.3	6.3	3.3	3.7	4.7	4.7	4.3	4.7	3.7	4.1
PS-2	6.0	7.3	8.3	3.7	3.3	3.0	5.0	4.0	4.7	4.0	4.0	4.0
QUICKSILVER	7.7	6.7	7.3	3.7	4.3	4.3	4.7	3.7	4.3	3.3	3.7	4.0
LA QUINTA (JR-255)	6.3	6.3	6.7	5.3	3.7	3.7	4.0	4.0	4.3	3.7	4.0	3.9
LINE DRIVE GLS (APR 1797)	6.0	6.7	7.3	3.3	4.3	3.3	4.7	4.0	3.3	4.0	3.3	3.9
SRX 4682	6.7	7.7	7.3	7.0	3.7	4.0	4.7	4.0	3.7	3.3	3.7	3.9
VB77	6.0	7.0	6.7	3.7	4.7	3.7	4.7	3.7	4.0	3.0	3.3	3.9
LPR 02203	6.3	8.0	6.7	6.3	4.7	4.3	4.0	4.3	3.0	3.3	2.7	3.8
SRX 4692	6.0	7.0	7.7	5.3	3.7	2.7	4.0	3.7	3.7	4.3	4.3	3.8
HEADSTART 2	6.0	6.3	6.7	3.0	4.3	3.3	4.0	3.3	3.3	3.7	3.7	3.7
PREMIER	6.0	8.3	7.0	4.0	5.0	3.7	4.0	3.3	3.3	3.0	2.7	3.6
REPELL GLS	6.0	6.0	7.0	3.7	5.0	3.0	3.7	3.3	3.0	4.3	3.0	3.6
AFFINITY	6.7	7.7	7.3	8.0	3.7	2.7	3.7	4.0	4.0	3.7	2.3	3.4
PINNACLE	5.3	7.3	6.7	5.7	3.7	1.7	2.7	3.0	2.7	1.7	3.3	2.7
LINN	2.7	5.7	4.7	5.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LSD VALUE	1.5	2.1	2.1	6.9	2.0	2.0	2.3	2.1	2.7	1.9	1.7	1.4
C.V. (%)	11.7	10.6	10.6	31.1	19.1	22.7	20.9	20.9	25.6	20.2	20.2	15.6

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 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 \*/  
 2006 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS							MEAN
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	
AMAZING GS (IS-PR 276)	6.0	6.0	3.7	2.7	3.3	5.3	5.0	4.3
KEYSTONE 2 (IS-PR 312)	5.3	5.3	3.3	3.0	3.3	5.7	5.0	4.3
TOP GUN II (JR-324)	5.7	5.7	3.7	3.7	3.0	5.0	4.7	4.3
SILVER DOLLAR	5.7	5.7	3.7	3.0	3.3	5.0	4.3	4.2
HOMERUN (RG3P)	5.3	5.3	3.7	3.3	3.3	5.0	4.7	4.2
DP1	6.7	6.3	3.0	2.3	2.7	5.3	5.0	4.1
LA QUINTA (JR-255)	6.0	6.0	3.3	3.0	3.0	4.7	4.3	4.1
RAD-PR8	5.7	5.7	3.0	3.0	3.0	5.3	4.7	4.1
REPELL GLS	6.0	6.0	3.0	3.0	2.7	5.0	4.7	4.1
APR 1648	6.0	6.0	3.3	2.3	3.3	4.7	4.3	4.0
PST-217	6.0	6.0	3.7	3.0	3.0	4.3	4.0	4.0
APR 1670	5.3	5.3	3.3	3.3	3.7	4.0	3.7	3.9
D04-1667	5.3	5.3	3.0	3.0	3.0	5.0	4.0	3.9
MMW	5.0	5.0	3.3	3.0	3.0	5.0	4.3	3.9
GRAND SLAM 2 (PST-2GSM)	5.7	5.7	3.7	2.3	3.0	4.3	4.3	3.9
PST-2LAN	6.0	6.0	3.3	2.7	2.3	4.7	4.3	3.9
1G SQUARED (APR 1664)	5.7	5.7	3.0	2.3	2.3	4.7	4.7	3.8
ASP6004 (EXS54)	5.0	5.0	3.3	2.7	3.0	4.3	4.3	3.8
BUENA VISTA	5.0	5.0	2.7	3.0	3.0	4.7	4.3	3.8
CITATION FORE	5.3	5.3	2.7	3.3	3.0	4.3	4.0	3.8
DERBY XTREME (IS-PR 268)	5.7	5.7	3.3	2.3	2.3	4.7	4.7	3.8
EXACTA II GLSR (LTP-611-GLSR)	5.7	5.7	2.7	3.0	3.0	4.3	4.3	3.8
GL-2	5.3	5.3	3.0	3.0	3.3	4.7	3.7	3.8
GPR	5.3	5.3	3.3	2.7	3.0	4.3	4.3	3.8
GRAY STAR (PST-2LGL)	5.7	5.7	3.7	2.3	3.3	4.0	3.7	3.8
ZOOM (LCK)	5.7	5.7	3.0	3.0	3.3	4.0	4.0	3.8
MANHATTAN 5 GLR (PST-2AM)	5.3	5.3	2.7	3.0	3.0	4.7	4.3	3.8
PHENOM (APR 1660)	5.3	5.3	3.0	3.0	2.7	4.7	4.3	3.8
PROTEGE GLR	5.7	5.7	3.0	3.0	3.0	4.3	4.0	3.8
REVENGE GLX (JR-348)	5.3	5.3	3.0	3.0	3.3	4.3	4.0	3.8
SECRETARIAT II GLSR (LTP-101-GLSR)	5.0	5.0	3.0	2.7	3.0	4.7	4.3	3.8
APPLE GL (AAZ-B104)	5.0	5.0	2.7	2.3	3.0	5.3	3.7	3.7
ATTRIBUTE (IS-PR 270)	5.0	5.0	3.7	2.7	2.7	4.0	4.0	3.7
DART (APR 1663)	5.0	5.0	3.0	3.0	3.0	4.3	3.7	3.7
DP 17-9499	5.7	5.7	3.0	2.7	3.0	4.0	3.7	3.7
DP 17-9788	5.7	5.7	3.3	2.7	3.0	4.0	3.7	3.7
CUTTER II (PM 101)	5.7	5.7	3.3	2.3	2.7	4.3	4.0	3.7
REGAL 5 (IS-PR 271)	5.3	5.3	3.7	2.0	3.0	4.3	4.0	3.7
RNS	5.3	5.3	3.3	3.0	3.0	4.0	3.7	3.7
ALL*STAR 3 (IS-PR 274)	5.3	5.3	3.3	2.0	2.3	4.3	4.3	3.6
ASP6002 (BPR)	5.0	5.0	3.7	2.7	3.3	3.3	3.3	3.6
ASP6003 (TRS)	5.3	5.3	3.3	2.3	3.0	4.0	3.3	3.6
ASP6005 (AJM)	5.3	5.3	3.0	2.3	2.7	4.0	4.0	3.6
ASP6006 (LPFG)	6.0	6.0	3.7	2.7	2.7	3.3	3.0	3.6
BAR LP 4317	5.0	5.0	2.7	2.7	3.0	4.0	4.0	3.6
BRIGHTSTAR SLT	5.3	5.3	3.0	3.0	3.3	3.3	3.3	3.6
CADDIESHACK II (JR-163)	4.7	4.7	3.7	2.7	2.3	4.0	4.0	3.6

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT ITHACA, NY \*/  
 2006 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS							
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
D04-11T	5.0	5.0	3.0	2.7	3.0	4.0	3.7	3.6
E-99	4.7	4.7	3.0	2.7	2.7	4.3	4.3	3.6
ES45	5.3	5.3	3.0	2.0	2.7	4.0	4.3	3.6
FIREBOLT (PRG HS-01-09)	5.7	5.7	3.3	2.3	2.3	4.0	3.7	3.6
GALATTI (DP 17-9502)	4.7	4.7	3.7	2.3	2.7	4.3	4.0	3.6
INSPIRE	5.7	5.7	3.3	2.0	3.0	3.7	4.0	3.6
L44	5.3	5.3	2.7	2.3	2.7	4.3	4.0	3.6
LINE DRIVE GLS (APR 1797)	5.0	5.0	2.7	2.7	2.3	4.7	4.3	3.6
MACH I	5.3	5.3	3.0	2.3	2.7	4.7	3.7	3.6
CALYPSO 3 (MS2)	5.3	5.3	3.0	2.3	3.0	4.3	3.3	3.6
PARAGON GLR	5.7	5.7	3.0	2.3	2.7	4.0	3.7	3.6
PENTIUM	4.7	4.7	3.0	3.0	3.3	4.0	3.3	3.6
PIANIST (DP 17-9505)	4.7	4.7	3.7	3.0	3.3	3.7	3.3	3.6
PM 102	5.7	5.7	2.7	2.3	2.7	4.3	4.0	3.6
PS-2	4.3	4.3	3.0	2.7	2.7	4.3	4.3	3.6
NEXUS XD (SP4)	5.0	5.0	2.7	2.7	2.3	4.7	4.0	3.6
AF	5.0	5.0	3.3	2.3	3.0	4.0	3.3	3.5
PLEASURE SUPREME (PM 103)	5.3	5.3	2.7	3.0	2.7	4.0	3.3	3.5
PST-2AG4	5.3	5.3	3.0	2.3	2.7	3.7	4.0	3.5
EDGE II (AC2)	4.7	4.7	2.7	2.0	2.7	4.7	3.7	3.4
ASP6001 (RTS)	5.7	5.7	3.0	2.0	2.3	3.7	4.0	3.4
CABO II (IS-PR 233)	5.0	5.0	3.3	2.3	2.7	3.7	3.7	3.4
FUSION	6.0	6.0	2.7	2.3	2.7	3.3	3.3	3.4
LPR 02203	4.0	4.0	2.7	3.0	3.3	4.0	3.3	3.4
MONTEREY 3 (JR-408)	4.3	4.3	3.0	3.0	3.3	3.3	3.7	3.4
PALMER IV	5.0	5.0	2.3	2.3	2.3	4.3	4.0	3.4
PICK 02-R	4.7	4.7	3.3	2.7	3.0	3.7	3.3	3.4
DASHER 3 (PICK RB-1)	5.3	5.3	3.3	1.7	2.3	4.0	3.7	3.4
PINNACLE II	5.3	5.3	3.3	2.3	2.3	3.7	3.7	3.4
PREMIER II	4.0	4.0	3.0	3.0	3.3	4.0	3.3	3.4
NEXUS XR (SNR)	5.3	5.3	3.0	2.7	2.7	3.7	3.3	3.4
SRX 4682	5.3	5.3	3.0	2.3	2.7	3.7	3.7	3.4
VB99	5.3	5.3	3.7	2.0	2.7	3.3	3.3	3.4
WIND DANCE 2 (PWDR)	5.7	5.7	3.3	1.7	2.0	4.0	3.7	3.4
BAR LP 4920	4.7	4.7	3.0	2.0	2.7	4.0	3.7	3.3
D04-UP	5.3	5.3	3.3	2.3	2.7	3.3	3.0	3.3
KOKOMO II (IS-PR 235)	4.3	4.3	2.7	2.3	3.0	3.7	3.7	3.3
PANTHER	4.3	4.3	2.7	2.3	2.7	4.3	3.3	3.3
PANTHER GLS	4.0	4.0	3.0	2.3	3.0	3.7	3.7	3.3
PIZZAZZ	5.3	5.3	3.0	2.0	2.3	4.0	3.3	3.3
PST-2BLK	5.3	5.3	2.7	2.3	2.7	3.3	3.3	3.3
TR47	4.7	4.7	2.7	2.0	2.7	4.0	4.0	3.3
VB77	4.0	4.0	3.3	2.0	2.3	4.3	3.7	3.3
04-BEN	5.3	5.3	2.7	1.7	2.3	3.3	3.7	3.2
04-BRE	5.0	5.0	2.7	2.0	2.7	3.7	3.3	3.2
ACCENT II (JR-119)	4.3	4.3	3.0	1.7	2.3	4.0	3.7	3.2
BARLENNIUM	4.3	4.3	3.0	2.0	2.3	3.3	4.0	3.2

TABLE 11 MEAN TURFGRASS QUALITY AND OTHER OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT ITHACA, NY \*/  
 2006 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS							
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DCM	4.3	4.3	2.7	2.7	2.7	3.7	3.3	3.2
DELAWARE XL (PICK 01-2)	4.7	4.7	3.0	2.0	2.7	3.3	3.3	3.2
GOALKEEPER II (JR-114)	4.7	4.7	3.0	2.3	3.0	2.7	3.3	3.2
PALACE (IS-PR 273)	4.7	4.7	3.3	1.7	2.7	3.3	3.3	3.2
PALMER III	4.7	4.7	2.7	2.0	3.0	3.7	3.3	3.2
PINNACLE	5.0	5.0	3.0	2.0	2.7	3.3	3.0	3.2
PRIMARY (IS-PR 269)	4.3	4.3	3.0	2.3	2.7	3.7	3.3	3.2
QUICKSILVER	4.7	4.7	2.7	2.3	2.3	3.7	3.3	3.2
SRX 4692	5.3	5.3	3.0	1.7	2.3	3.3	3.3	3.2
STELLAR GL (IS-PR 236)	4.3	4.3	3.0	2.3	2.3	3.7	3.7	3.2
SUNSHINE 2	4.7	4.7	3.0	2.3	2.7	3.3	3.3	3.2
AFFINITY	3.7	3.7	2.7	2.7	2.7	3.3	3.3	3.1
CHARISMATIC II GLSR (LTP-PG-GLSR)	4.7	4.7	2.7	2.3	2.3	3.3	3.3	3.1
FIESTA 4 (PICK F4)	4.3	4.3	3.0	2.3	2.3	3.7	2.7	3.1
HALO (KN42)	4.7	4.7	3.0	1.7	2.3	3.3	3.7	3.1
HARRIER (SRX 4UP3)	4.3	4.3	2.7	2.0	2.3	4.0	3.3	3.1
PST-2MNG	5.0	5.0	2.3	2.0	2.0	3.7	3.7	3.1
BAR LP 4420	4.3	4.3	2.7	1.7	2.7	3.7	3.0	3.0
HEADSTART 2	4.7	4.7	2.7	2.0	2.3	3.0	2.7	2.9
OVERDRIVE	4.0	4.0	2.7	2.0	2.7	3.3	2.7	2.9
PRESIDIO (CNV)	4.0	4.0	3.0	2.0	2.0	3.3	3.3	2.9
D04-LP05	4.7	4.7	2.7	1.3	2.3	3.0	3.0	2.8
PREMIER	4.0	4.0	2.0	2.3	2.7	3.0	3.0	2.8
SR 4600 (SRX 4SP)	4.7	4.7	2.7	1.3	2.0	3.3	2.7	2.8
LINN	2.3	2.3	2.3	2.0	2.3	2.7	2.7	2.4
LSD VALUE	3.3	3.3	2.7	3.1	2.2	2.3	1.7	1.5
C.V. (%)	19.3	19.2	20.2	31.2	21.3	21.4	19.2	14.7

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. 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 \*/  
 2006 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	DENSITY SPRING	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS												MEAN
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
D04-11T	7.7	7.7	70.0	99.0	99.0	4.3	4.3	5.0	4.7	6.0	7.3	8.0	6.7	6.0	5.3	6.7	5.3	5.8
DERBY XTREME (IS-PR 268)	8.3	8.0	73.3	96.0	99.0	4.3	5.0	4.7	4.7	5.0	5.3	7.0	6.3	6.7	6.0	7.3	5.7	5.7
ALL*STAR 3 (IS-PR 274)	7.3	8.0	80.0	97.7	97.7	4.3	5.0	4.7	5.0	5.7	6.0	7.3	6.0	6.7	5.3	6.0	5.3	5.6
APR 1648	8.3	8.0	76.7	97.7	99.0	4.0	5.0	4.3	4.7	5.0	6.3	7.0	6.0	6.7	6.7	6.7	4.7	5.6
ZOOM (LCK)	7.3	8.0	70.0	97.7	97.7	5.0	4.7	5.0	4.7	4.7	6.7	7.3	6.0	6.3	6.0	6.0	5.3	5.6
STELLAR GL (IS-PR 236)	8.7	8.0	70.0	99.0	99.0	4.3	4.3	4.3	4.3	5.3	6.7	7.7	5.3	6.7	6.0	7.0	5.3	5.6
HOMERUN (RG3P)	7.3	8.0	76.7	99.0	97.7	4.3	5.0	5.3	4.3	5.3	6.3	7.7	5.7	6.3	5.7	5.7	4.7	5.5
PALMER IV	8.0	8.0	76.7	96.0	97.7	4.0	4.7	4.7	4.3	5.7	6.0	7.0	5.0	6.3	5.7	6.7	5.7	5.5
APPLE GL (AAZ-B104)	8.0	8.0	80.0	96.3	96.0	4.7	5.0	5.0	5.0	5.0	6.3	6.7	5.3	5.0	5.3	6.0	5.0	5.4
CITATION FORE	7.3	8.0	70.0	96.3	97.7	4.0	5.0	4.0	4.3	5.0	5.7	7.7	6.0	6.3	6.0	6.0	4.7	5.4
D04-LP05	7.3	8.0	70.0	96.0	97.7	4.0	4.7	4.7	4.7	6.0	6.0	7.3	5.7	5.7	5.7	6.0	4.0	5.4
EXACTA II GLSR (LTP-611-GLSR)	8.7	7.7	73.3	99.0	96.3	4.0	4.7	4.0	4.0	4.7	5.7	7.7	5.7	6.0	5.7	7.0	5.3	5.4
FIESTA 4 (PICK F4)	8.0	8.0	66.7	99.0	99.0	4.0	4.7	4.3	3.7	5.0	5.7	6.3	6.0	6.7	6.0	7.0	5.3	5.4
PIZZAZZ	7.7	8.0	73.3	99.0	97.7	4.3	5.0	4.3	4.0	4.7	6.0	7.7	6.0	6.3	6.3	6.0	4.7	5.4
PRIMARY (IS-PR 269)	7.0	7.3	70.0	99.0	95.0	4.0	5.0	4.7	4.3	5.3	6.0	7.0	6.0	5.3	5.3	6.7	5.0	5.4
SR 4600 (SRX 4SP)	8.0	8.0	73.3	84.7	97.7	4.0	5.0	5.0	5.3	5.3	5.3	7.3	5.0	5.7	5.7	6.3	5.0	5.4
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.7	7.7	66.7	99.0	99.0	4.0	4.7	4.3	3.7	4.3	5.3	7.3	5.7	5.7	6.0	7.0	5.0	5.3
DCM	7.0	7.7	76.7	96.3	97.7	4.0	4.7	5.0	4.3	5.3	5.7	6.7	5.7	6.0	5.3	6.0	4.7	5.3
MMW	8.0	8.0	76.7	97.7	96.3	4.7	5.0	4.3	4.3	4.7	6.0	7.7	4.7	5.3	6.0	6.3	4.3	5.3
PROTEGE GLR	8.3	8.0	73.3	96.0	97.7	4.3	4.3	4.7	3.7	4.7	6.0	6.7	6.0	6.3	5.3	6.0	5.3	5.3
REGAL 5 (IS-PR 271)	8.0	8.0	73.3	99.0	95.0	4.3	5.0	4.7	3.7	5.0	5.3	8.0	5.3	5.7	5.7	5.7	5.0	5.3
SILVER DOLLAR	8.0	8.0	70.0	97.7	97.7	4.0	4.7	4.3	4.3	4.7	5.3	7.0	5.0	6.3	5.7	5.7	5.0	5.2
KEYSTONE 2 (IS-PR 312)	7.3	7.7	66.7	99.0	97.7	4.0	4.3	4.7	4.0	4.7	6.0	7.7	5.3	5.7	5.7	5.7	4.7	5.2
LINE DRIVE GLS (APR 1797)	7.3	8.0	73.3	97.7	97.7	4.0	4.3	4.0	3.7	5.7	6.7	7.7	5.0	5.3	5.7	5.7	4.3	5.2
PALACE (IS-PR 273)	8.0	7.7	63.3	99.0	96.0	4.3	4.3	4.3	3.7	4.3	5.7	7.7	5.3	6.0	5.0	6.7	5.0	5.2
PST-2BLK	8.3	7.7	80.0	97.7	94.7	4.0	5.0	5.0	4.7	5.0	6.7	7.0	5.0	5.0	5.7	5.0	4.0	5.2
REPELL GLS	7.0	7.0	70.0	97.7	99.0	4.3	4.7	4.0	4.7	5.3	5.7	7.0	4.3	6.7	5.3	6.3	4.3	5.2
REVENGE GLX (JR-348)	8.0	8.0	73.3	99.0	97.7	4.0	4.3	4.3	4.0	5.3	5.7	7.0	5.3	6.0	5.3	6.3	4.7	5.2
APR 1670	7.0	7.7	66.7	96.0	96.0	4.0	4.3	4.3	4.3	6.0	6.0	6.7	5.3	6.0	4.7	5.0	4.0	5.1
DP1	8.0	8.0	76.7	94.7	97.7	4.0	5.0	4.3	4.0	4.3	4.7	5.7	4.7	6.3	6.0	7.0	4.7	5.1
E-99	6.7	7.7	63.3	99.0	93.3	3.7	4.3	4.0	4.3	5.7	6.0	7.3	5.7	4.7	5.7	5.7	4.7	5.1
GALATTI (DP 17-9502)	7.7	7.3	70.0	97.7	96.3	3.7	4.3	4.3	4.3	5.3	6.3	7.3	5.3	5.3	5.0	5.7	4.0	5.1
GL-2	7.7	8.3	70.0	99.0	97.7	4.0	4.3	4.3	4.3	5.0	5.3	7.3	5.0	5.7	5.0	6.0	4.7	5.1
HARRIER (SRX 4UP3)	7.3	8.0	70.0	97.7	96.3	4.3	4.7	4.7	4.0	5.0	5.7	7.3	5.0	5.3	5.3	5.3	4.0	5.1
OVERDRIVE	7.3	7.7	73.3	97.7	94.7	3.7	4.7	4.3	4.3	5.0	5.7	6.7	4.7	5.3	5.7	5.7	5.0	5.1
CUTTER II (PM 101)	8.0	7.3	70.0	97.7	96.0	4.3	4.7	4.5	3.3	4.0	6.0	7.3	5.0	5.3	5.3	6.0	4.7	5.1
RNS	7.3	7.7	73.3	96.0	97.7	4.0	4.7	4.3	4.3	5.0	5.3	6.3	5.3	6.0	5.0	6.3	4.7	5.1
1G SQUARED (APR 1664)	7.0	8.0	63.3	99.0	97.7	4.0	4.3	4.3	4.3	5.0	5.3	6.0	4.7	6.3	5.7	5.7	4.7	5.0
ASP6003 (TRS)	9.0	8.0	76.7	94.7	97.7	4.0	5.0	4.3	4.0	5.3	5.0	6.3	4.7	6.3	5.3	5.3	4.0	5.0
ASP6004 (EXS54)	8.3	8.0	70.0	97.7	97.7	4.0	4.0	4.0	4.0	4.7	5.7	7.0	5.7	5.3	5.3	5.3	4.7	5.0
D04-1667	6.7	7.0	66.7	99.0	97.7	3.7	4.7	5.0	4.0	4.7	5.7	6.7	4.7	5.7	6.0	5.7	4.0	5.0
KOKOMO II (IS-PR 235)	8.0	8.3	73.3	96.0	94.7	4.3	5.0	4.0	4.0	4.7	5.3	5.7	5.0	5.0	5.3	6.3	5.0	5.0
PARAGON GLR	8.0	8.0	66.7	99.0	97.7	4.0	4.3	4.7	4.7	4.7	5.0	7.3	5.0	5.7	4.3	5.7	4.7	5.0
PIANIST (DP 17-9505)	7.7	7.3	60.0	99.0	96.0	4.0	4.0	4.0	4.3	4.7	6.0	7.3	5.7	5.3	5.7	5.0	3.7	5.0
DASHER 3 (PICK RB-1)	7.0	7.7	73.3	96.0	94.7	4.3	4.7	4.3	4.0	4.7	5.3	6.3	4.7	5.3	5.0	6.7	5.0	5.0
TR47	9.0	7.3	66.7	99.0	94.7	3.7	4.3	4.0	4.0	4.3	6.3	7.0	5.7	5.7	5.0	6.0	4.0	5.0
EDGE II (AC2)	8.0	8.0	66.7	97.7	96.3	4.3	4.3	4.3	4.3	4.3	5.0	7.0	4.3	5.3	5.3	5.7	4.0	4.9

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	GENETIC COLOR	DENSITY SPRING	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS												MEAN
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BAR LP 4920	7.3	7.3	66.7	97.7	93.3	4.0	4.3	4.5	3.7	4.7	5.3	7.3	5.3	4.7	5.3	5.7	4.0	4.9
BRIGHTSTAR SLT	7.0	7.3	66.7	97.7	96.3	3.7	4.7	3.7	4.3	5.0	6.0	6.3	5.7	5.0	5.0	5.0	4.3	4.9
BUENA VISTA	7.7	8.0	70.0	99.0	95.0	4.0	4.3	4.3	4.7	4.0	4.0	6.7	4.3	5.3	5.3	6.7	5.3	4.9
DO4-UP	7.0	7.7	63.3	99.0	95.0	4.0	4.3	4.3	4.3	5.0	5.0	6.3	4.3	5.0	5.0	6.0	5.0	4.9
DP 17-9499	8.3	7.7	66.7	96.0	96.3	4.0	4.7	5.0	4.3	4.3	5.3	6.7	4.3	5.0	5.0	5.7	4.0	4.9
L44	8.7	8.0	70.0	96.0	96.3	4.0	4.7	3.7	3.7	5.0	6.0	6.3	4.7	6.0	5.0	5.3	4.3	4.9
PHENOM (APR 1660)	7.3	7.3	73.3	94.7	97.7	4.0	5.0	4.3	4.0	5.0	4.7	6.3	5.3	6.0	5.0	5.3	4.3	4.9
PICK 02-R	8.7	8.0	80.0	93.3	93.3	4.3	5.0	4.3	4.0	4.3	6.0	6.0	4.3	4.7	5.0	6.0	4.3	4.9
PST-2AG4	8.0	8.0	70.0	97.7	97.7	4.0	4.7	4.0	3.3	4.7	5.7	6.7	4.7	5.3	5.7	5.3	4.3	4.9
ASP6002 (BPR)	9.0	8.0	66.7	97.7	93.0	4.0	4.7	4.0	3.3	4.3	6.0	6.7	5.3	5.0	5.0	5.0	3.7	4.8
ASP6006 (LPFG)	8.7	7.7	70.0	96.3	94.7	4.0	4.7	4.0	4.0	5.3	6.0	6.0	4.3	5.3	4.7	5.3	4.3	4.8
ATTRIBUTE (IS-PR 270)	7.7	7.7	66.7	99.0	94.7	3.7	4.3	4.3	3.0	4.0	5.3	6.7	4.7	5.0	5.7	6.3	4.7	4.8
CABO II (IS-PR 233)	8.7	7.0	66.7	96.0	94.7	3.7	4.7	3.7	4.0	4.0	5.7	6.7	4.3	5.0	5.0	6.3	4.0	4.8
LA QUINTA (JR-255)	8.7	7.7	73.3	91.3	93.0	4.0	5.0	3.7	4.3	5.3	6.0	6.3	4.3	5.0	4.7	4.7	3.7	4.8
CALYPSO 3 (MS2)	8.3	7.3	70.0	94.7	94.7	4.0	4.7	4.0	3.7	4.0	5.7	6.3	5.0	5.0	5.0	5.7	4.0	4.8
PST-217	7.3	8.0	70.0	97.7	93.3	4.0	4.3	4.3	4.7	4.7	6.0	6.3	4.7	5.0	4.3	4.7	4.0	4.8
PST-2MNG	6.7	8.0	73.3	94.7	94.7	4.0	5.0	4.7	4.7	5.0	5.7	5.3	5.0	5.0	5.7	4.3	3.7	4.8
04-BRE	7.3	7.7	70.0	96.3	94.7	3.7	4.3	4.0	3.7	4.0	5.0	6.3	5.3	5.0	5.7	5.3	4.0	4.7
AF	7.0	6.7	73.3	97.7	93.3	3.7	4.7	4.3	5.0	4.0	5.0	6.7	4.3	5.0	4.3	5.3	4.0	4.7
AMAZING GS (IS-PR 276)	8.0	8.0	73.3	96.0	93.3	4.0	4.7	4.3	3.7	4.3	4.3	6.3	4.7	5.0	4.7	5.7	4.3	4.7
BAR LP 4317	6.3	6.7	70.0	97.7	95.0	3.3	4.3	4.0	4.0	4.7	5.3	7.3	4.7	5.3	4.7	5.0	3.7	4.7
FUSION	7.7	8.0	76.7	97.7	93.3	4.3	4.7	4.7	4.0	4.7	4.3	5.7	4.0	4.7	5.0	5.3	5.0	4.7
HEADSTART 2	8.7	7.7	73.3	99.0	93.3	4.0	4.3	4.0	3.0	4.3	5.3	7.3	4.3	4.7	5.3	5.3	4.0	4.7
PLEASURE SUPREME (PM 103)	7.7	7.7	70.0	94.7	93.3	4.0	4.7	4.7	4.0	4.3	6.0	6.3	4.3	4.7	4.7	5.3	3.7	4.7
PM 102	8.7	7.7	73.3	95.0	95.0	4.0	4.7	4.3	4.0	5.0	5.3	6.3	4.3	5.0	5.0	4.7	4.0	4.7
GRAND SLAM 2 (PST-2GSM)	7.3	7.7	66.7	97.7	94.7	4.0	4.3	3.7	3.7	4.0	5.0	6.0	5.3	5.3	5.3	5.7	4.3	4.7
RAD-PR8	7.3	7.7	66.7	96.3	96.3	4.0	4.3	3.7	3.7	4.3	5.3	6.3	5.0	5.0	5.3	5.0	4.0	4.7
SRX 4692	7.3	7.7	66.7	97.7	93.0	3.7	4.7	4.3	4.0	5.0	5.3	6.7	5.0	4.7	4.7	4.7	3.7	4.7
SUNSHINE 2	8.7	7.7	73.3	93.3	93.3	4.3	4.7	4.0	4.0	4.3	4.7	5.3	4.7	5.0	5.3	6.0	4.3	4.7
ACCENT II (JR-119)	6.7	7.0	63.3	99.0	91.7	3.7	4.0	4.0	4.0	4.7	4.7	7.0	4.7	4.3	5.0	5.0	3.7	4.6
BAR LP 4420	7.3	8.0	66.7	96.3	90.0	4.0	4.3	3.7	4.3	4.0	5.7	6.7	4.0	4.0	5.0	4.0	4.6	4.6
DART (APR 1663)	7.0	7.7	66.7	95.0	93.3	4.0	4.3	4.3	4.7	4.7	5.3	5.0	4.3	4.7	5.0	4.7	4.3	4.6
ES45	8.7	7.3	70.0	99.0	96.3	4.0	4.7	3.7	3.3	4.3	5.0	6.7	5.0	5.3	4.3	5.7	3.7	4.6
GRAY STAR (PST-2LGL)	7.3	7.3	70.0	93.3	93.3	4.0	4.7	4.3	3.7	4.3	4.3	5.3	4.7	4.7	5.7	5.3	3.7	4.6
INSPIRE	6.3	7.0	70.0	97.7	93.0	3.7	4.0	4.0	4.0	4.3	5.7	6.7	4.7	4.3	5.7	4.7	3.3	4.6
MANHATTAN 5 GLR (PST-2AM)	7.0	7.3	66.7	95.0	94.7	4.0	4.3	4.3	4.0	4.3	4.3	6.0	4.7	5.3	5.3	5.3	3.0	4.6
MONTEREY 3 (JR-408)	7.3	8.0	63.3	97.7	97.7	3.3	4.3	3.3	3.3	4.3	5.3	7.0	5.0	5.7	5.0	5.0	4.0	4.6
PANTHER GLS	7.3	7.7	70.0	94.7	93.0	3.7	4.7	3.7	3.7	5.3	5.3	6.3	4.3	4.3	5.3	5.3	3.7	4.6
PENTIUM	6.3	7.0	63.3	96.3	93.3	4.0	4.0	3.7	3.7	4.7	5.0	6.3	5.3	4.7	5.0	5.0	3.7	4.6
PINNACLE II	7.7	7.7	66.7	96.3	94.7	4.0	4.3	3.7	3.7	4.0	4.0	6.7	4.7	5.0	5.7	5.3	3.7	4.6
PST-2LAN	7.0	7.0	70.0	96.0	93.3	3.3	4.7	4.0	4.3	4.0	4.7	6.0	5.0	5.0	5.7	5.0	4.0	4.6
QUICKSILVER	7.3	6.7	70.0	94.7	94.7	4.0	4.7	4.0	3.7	4.3	4.7	6.3	4.7	5.3	4.7	5.0	3.7	4.6
SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	7.7	73.3	96.3	93.0	3.7	4.7	4.7	4.0	4.7	4.3	5.3	5.0	5.0	5.0	5.3	4.0	4.6
SRX 4682	6.7	7.0	60.0	97.7	91.7	3.3	4.0	3.7	4.0	4.3	5.3	6.7	5.0	4.3	5.3	5.3	4.0	4.6
VB77	8.7	7.7	63.3	99.0	95.0	4.0	4.0	3.7	3.7	4.3	4.3	6.7	4.0	5.0	5.3	5.7	4.3	4.6
WIND DANCE 2 (PWDR)	8.3	8.0	66.7	96.3	96.0	4.3	4.3	4.0	4.0	4.3	5.3	5.3	4.3	5.7	5.3	5.3	3.3	4.6
04-BEN	7.0	7.7	63.3	97.7	93.3	3.7	4.3	4.3	4.3	4.0	5.0	6.0	4.3	4.7	4.7	4.7	4.0	4.5

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	GENETIC COLOR	DENSITY SPRING	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS													
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	
DELAWARE XL (PICK 01-2)	8.3	7.7	66.7	96.3	91.7	4.0	4.3	3.7	4.0	4.3	5.0	5.3	4.0	4.3	5.0	6.0	4.0	4.5	
DP 17-9788	6.3	6.7	66.7	96.3	91.7	3.3	4.3	4.0	4.3	4.7	4.3	6.7	5.0	4.3	5.0	4.7	3.7	4.5	
HALO (KN42)	8.7	7.0	70.0	97.7	91.7	4.0	4.3	4.3	4.0	4.3	5.0	6.0	4.3	4.3	4.3	5.0	3.7	4.5	
MACH I	7.3	7.7	63.3	99.0	93.3	4.0	4.0	4.3	3.7	4.3	4.7	6.7	4.7	4.7	4.3	5.0	4.0	4.5	
PS-2	6.7	7.0	70.0	94.7	91.7	4.0	4.3	4.0	3.3	4.3	5.0	6.7	4.3	4.3	5.3	4.7	4.0	4.5	
TOP GUN II (JR-324)	7.7	7.7	70.0	94.7	93.3	3.7	4.3	3.7	4.0	4.3	5.0	5.3	4.3	5.0	5.0	5.7	4.0	4.5	
ASP6001 (RTS)	8.3	6.7	63.3	96.3	94.7	3.7	4.3	3.3	3.3	4.7	5.3	5.3	5.0	5.0	4.7	4.7	3.7	4.4	
ASP6005 (AJM)	9.0	7.3	63.3	95.0	93.3	4.0	4.3	3.7	3.3	4.0	5.0	6.0	4.3	4.7	5.0	5.0	4.0	4.4	
BARLENNIUM	6.7	6.7	63.3	97.7	91.7	3.3	4.0	3.3	3.3	4.0	5.7	7.0	5.3	4.3	5.3	4.7	3.0	4.4	
FIREBOLT (PRG HS-01-09)	8.7	7.3	66.7	97.7	93.0	4.0	4.7	4.0	3.7	4.0	4.3	6.7	4.0	4.3	4.7	4.3	4.0	4.4	
GOALKEEPER II (JR-114)	7.3	7.7	73.3	95.0	91.7	3.7	4.7	4.0	3.3	4.7	5.7	5.7	4.7	4.3	4.3	4.3	3.7	4.4	
NEXUS XR (SNR)	8.3	7.7	60.0	94.7	93.3	4.0	4.0	4.0	4.0	4.0	5.3	5.7	4.3	4.7	4.3	5.0	4.0	4.4	
VB99	9.0	7.3	66.7	96.3	93.3	4.0	4.7	4.0	3.3	4.0	4.3	5.3	4.3	5.0	4.7	5.3	3.3	4.4	
GPR	8.7	7.3	70.0	91.3	90.0	4.0	4.3	4.7	4.0	4.3	5.0	4.7	4.0	4.0	4.0	4.7	4.3	4.3	
PALMER III	6.3	7.0	60.0	97.7	91.7	3.3	4.0	4.3	3.7	4.0	4.3	6.7	4.3	4.3	4.3	4.7	3.0	4.3	
PINNACLE	4.7	7.0	60.0	97.7	90.0	4.0	4.0	4.0	4.3	4.7	5.0	5.0	5.0	4.0	4.0	4.3	3.0	4.3	
PRESIDIO (CNV)	8.0	7.7	70.0	90.0	91.7	4.0	4.0	4.0	4.0	4.3	5.0	4.7	4.0	4.3	4.7	5.3	3.7	4.3	
NEXUS XD (SP4)	9.0	7.7	70.0	91.7	94.7	3.7	4.7	4.0	3.7	4.3	5.0	5.3	4.0	5.0	4.7	4.7	3.3	4.3	
CADDIESHACK II (JR-163)	6.7	6.3	66.7	96.3	91.7	3.0	4.0	3.7	3.0	4.0	5.0	6.0	4.7	4.3	5.0	4.0	3.3	4.2	
PANTHER	6.0	6.7	56.7	97.7	95.0	3.3	3.7	3.0	3.0	4.3	4.7	5.7	5.0	5.0	5.0	4.7	3.3	4.2	
PREMIER	5.0	6.0	60.0	94.7	93.0	3.3	3.7	4.0	3.7	5.3	5.0	5.0	4.3	4.3	4.0	4.3	3.0	4.2	
AFFINITY	5.3	7.0	53.3	97.7	90.0	3.0	3.3	3.0	3.0	5.0	5.3	6.0	5.0	4.0	4.0	4.0	3.3	4.1	
PREMIER II	5.7	6.0	60.0	90.0	91.7	3.0	4.0	3.0	3.7	4.3	4.7	5.3	4.7	4.3	4.7	4.3	3.0	4.1	
LPR 02203	5.0	7.0	50.0	91.7	90.0	3.3	3.3	3.0	3.0	4.3	4.0	5.3	3.7	3.7	4.3	4.7	3.0	3.8	
LINN	4.0	6.0	60.0	94.7	90.0	3.3	4.0	3.7	3.0	3.3	3.7	4.3	3.0	3.7	4.0	4.0	2.3	3.5	
LSD VALUE	1.0	1.0	14.3	13.7	6.9	0.9	1.5	1.4	1.7	2.0	4.1	2.7	2.2	1.6	2.5	1.7	1.0	0.8	
C.V. (%)	8.8	7.2	9.8	3.9	3.3	11.1	11.7	14.8	17.1	16.1	20.0	17.0	17.8	16.0	15.9	15.9	14.0	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.

\*/ 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	FALL						QUALITY	PERCENT	PERCENT COVER RATINGS			PERCENT COVER RATINGS		
	COLOR OCTOBER	DISEASE*/ RATINGS	RED JUN	THREAD OCT	DISEASE NOV	RATINGS DEC	2 WEEKS AFTER TRAFFIC	COVER BEFORE TRAFFIC	AFTER TRAFFIC	4 WEEKS	8 WEEKS	AFTER TRAFFIC	4 WEEKS	8 WEEKS
D04-11T	7.3	3.7	7.0	5.7	6.0	4.3	6.0	99.0	91.7	95.0	99.0	70.0	66.7	70.0
DERBY XTREME (IS-PR 268)	7.7	5.3	6.0	7.7	6.7	6.7	5.3	99.0	80.0	86.3	99.0	66.7	60.0	60.0
ALL*STAR 3 (IS-PR 274)	7.7	4.0	6.3	5.7	6.0	5.3	4.7	96.0	81.7	88.3	97.7	63.3	60.0	63.3
APR 1648	7.3	4.0	6.0	6.7	6.0	5.3	5.0	96.0	86.7	91.7	99.0	70.0	63.3	66.7
ZOOM (LCK)	7.0	4.7	7.0	6.0	6.3	5.0	5.3	96.0	85.0	94.7	97.7	63.3	63.3	63.3
STELLAR GL (IS-PR 236)	7.7	5.0	7.7	7.3	6.0	5.0	5.0	99.0	81.7	88.3	99.0	63.3	60.0	63.3
HOMERUN (RG3P)	6.7	4.7	6.3	6.0	5.3	4.3	5.7	99.0	88.3	93.3	99.0	66.7	60.0	70.0
PALMER IV	7.7	4.3	5.3	5.0	6.0	5.0	4.0	96.0	73.3	83.3	95.0	50.0	53.3	56.7
APPLE GL (AAZ-B104)	7.3	4.3	6.3	6.0	6.0	4.7	5.7	99.0	90.0	91.7	97.7	60.0	60.0	63.3
CITATION FORE	7.0	4.0	6.0	6.3	6.0	5.3	5.0	99.0	85.0	91.3	96.3	66.7	60.0	60.0
D04-LP05	7.0	3.7	5.7	6.3	5.0	4.3	5.0	99.0	81.7	93.0	99.0	63.3	60.0	60.0
EXACTA II GLSR (LTP-611-GLSR)	8.0	4.3	5.3	6.0	6.0	5.0	4.3	96.0	81.7	86.7	97.7	63.3	56.7	56.7
FIESTA 4 (PICK F4)	7.7	4.3	5.7	6.3	7.0	5.3	4.7	96.0	78.3	90.0	97.7	66.7	56.7	63.3
PIZZAZZ	7.7	4.7	6.7	6.3	5.3	5.0	4.0	93.0	76.7	83.3	93.0	53.3	53.3	56.7
PRIMARY (IS-PR 269)	6.7	3.7	5.7	5.3	6.0	5.3	5.0	99.0	86.7	91.3	99.0	66.7	56.7	56.7
SR 4600 (SRX 4SP)	8.0	4.7	5.7	6.0	5.7	4.3	4.7	96.0	73.3	86.7	96.3	50.0	53.3	56.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.3	3.7	6.3	7.7	6.3	4.3	4.7	99.0	81.7	93.0	99.0	66.7	63.3	66.7
DCM	6.3	4.3	6.3	6.7	5.0	4.7	4.3	99.0	76.7	90.0	99.0	63.3	56.7	53.3
MMW	8.0	4.7	6.3	6.0	5.7	4.3	4.3	89.7	75.0	86.3	96.3	53.3	50.0	50.0
PROTEGE GLR	8.0	4.7	5.3	6.0	5.7	4.7	4.7	96.0	85.0	93.0	94.7	63.3	60.0	60.0
REGAL 5 (IS-PR 271)	7.7	3.7	5.0	5.7	5.0	4.0	4.7	96.0	81.7	85.0	97.7	60.0	53.3	53.3
SILVER DOLLAR	7.0	4.3	5.7	6.7	5.7	4.3	5.3	99.0	86.7	94.7	99.0	66.7	60.0	63.3
KEYSTONE 2 (IS-PR 312)	7.0	4.3	6.3	6.3	5.7	4.3	5.0	99.0	83.3	88.0	99.0	70.0	56.7	60.0
LINE DRIVE GLS (APR 1797)	6.7	4.3	6.7	6.3	5.3	5.0	5.0	96.0	75.0	88.3	99.0	63.3	63.3	66.7
PALACE (IS-PR 273)	8.0	4.0	5.7	6.3	6.3	5.3	5.3	99.0	88.3	88.3	99.0	66.7	60.0	60.0
PST-2BLK	7.7	4.0	7.0	6.0	5.0	4.3	4.7	96.0	81.7	86.7	97.7	53.3	53.3	53.3
REPELL GLS	6.3	4.3	5.7	4.7	5.0	3.7	5.0	99.0	83.3	91.7	99.0	60.0	60.0	63.3
REVENGE GLX (JR-348)	7.7	4.7	5.7	6.3	5.3	5.0	4.0	99.0	73.3	85.0	99.0	60.0	53.3	53.3
APR 1670	6.3	4.0	6.0	4.7	5.0	5.0	5.3	99.0	91.7	94.3	99.0	53.3	60.0	63.3
DP1	7.7	4.3	4.7	7.0	6.3	5.0	4.7	96.0	78.3	81.7	94.7	60.0	50.0	53.3
E-99	6.7	3.7	5.7	6.0	5.7	5.0	4.7	99.0	85.0	91.3	97.7	56.7	63.3	63.3
GALATTI (DP 17-9502)	7.7	3.7	6.0	5.0	4.7	3.7	4.7	96.0	81.7	88.3	96.3	53.3	60.0	60.0
GL-2	7.7	4.3	5.3	4.7	6.3	4.3	5.3	99.0	83.3	88.3	97.7	60.0	60.0	66.7
HARRIER (SRX 4UP3)	7.0	4.3	6.0	5.3	4.3	3.3	4.7	99.0	81.7	86.7	97.7	63.3	53.3	53.3
OVERDRIVE	6.7	4.0	5.7	6.0	5.3	5.0	5.0	96.0	83.3	90.0	99.0	63.3	56.7	60.0
CUTTER II (PM 101)	7.3	4.0	6.7	5.7	6.0	4.3	5.3	99.0	83.3	90.0	96.3	66.7	56.7	56.7
RNS	7.3	4.3	5.0	6.3	6.0	4.0	4.3	96.0	83.3	86.7	97.7	56.7	60.0	63.3
1G SQUARED (APR 1664)	6.7	4.3	5.3	6.0	5.3	3.3	5.3	99.0	86.7	91.3	97.7	63.3	60.0	56.7
ASP6003 (TRS)	8.0	3.7	5.7	6.0	5.0	4.0	4.7	92.7	78.3	88.3	96.0	60.0	53.3	56.7
ASP6004 (EXS54)	7.7	4.3	6.0	5.7	5.3	4.0	4.3	93.0	56.7	86.7	96.3	56.7	50.0	53.3
D04-1667	7.0	3.7	6.3	7.3	4.7	3.7	4.7	99.0	85.0	93.3	99.0	63.3	63.3	70.0
KOKOMO II (IS-PR 235)	7.3	5.3	5.7	6.0	6.0	4.7	4.7	96.0	80.0	88.3	99.0	46.7	50.0	56.7
PARAGON GLR	6.7	4.3	4.7	4.0	5.3	3.7	4.7	96.0	85.0	88.3	96.0	60.0	53.3	60.0
PIANIST (DP 17-9505)	6.7	3.3	6.7	5.0	4.3	3.0	5.0	96.0	90.0	91.7	99.0	66.7	63.3	63.3
DASHER 3 (PICK RB-1)	7.0	4.0	5.7	4.3	5.3	4.3	5.3	96.0	85.0	90.0	99.0	66.7	60.0	63.3
TR47	9.0	4.0	7.0	6.0	5.0	4.0	5.0	96.0	85.0	90.0	96.3	66.7	53.3	56.7
EDGE II (AC2)	7.0	4.3	4.7	5.0	5.3	3.7	5.3	99.0	86.7	94.7	99.0	56.7	63.3	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	FALL						QUALITY	PERCENT	PERCENT COVER RATINGS			PERCENT COVER RATINGS		
	COLOR OCTOBER	DISEASE*/ RATINGS	RED JUN	THREAD OCT	DISEASE NOV	RATINGS DEC	2 WEEKS AFTER TRAFFIC	COVER BEFORE TRAFFIC	AFTER 2 WEEKS	TRAFFIC 4 WEEKS	IN 8 WEEKS	AFTER 2 WEEKS	TRAFFIC 4 WEEKS	IN 8 WEEKS
BAR LP 4920	7.3	3.7	5.7	4.7	5.3	3.7	4.7	99.0	80.0	83.3	96.3	56.7	53.3	56.7
BRIGHTSTAR SLT	6.0	3.7	6.0	6.0	4.3	3.3	4.7	99.0	80.0	90.0	97.7	63.3	56.7	56.7
BUENA VISTA	8.3	4.0	4.3	6.3	6.7	5.0	4.7	93.0	75.0	86.7	97.7	56.7	53.3	53.3
D04-UP	7.7	4.0	6.0	5.7	5.3	4.3	5.3	96.0	88.3	91.3	97.7	70.0	60.0	63.3
DP 17-9499	7.0	3.7	5.0	4.3	4.7	3.7	4.7	96.0	85.0	88.3	96.0	66.7	60.0	60.0
L44	7.3	3.7	6.0	5.7	5.3	4.0	4.0	86.0	66.7	80.0	94.7	53.3	60.0	60.0
PHENOM (APR 1660)	6.7	4.0	5.3	6.0	4.0	3.3	4.7	99.0	85.0	88.3	96.3	53.3	50.0	50.0
PICK 02-R	8.0	4.0	5.7	4.3	5.0	4.3	5.0	86.3	78.3	85.0	97.7	63.3	53.3	60.0
PST-2AG4	7.3	4.3	5.7	6.0	4.7	4.0	4.3	89.7	73.3	78.3	94.7	60.0	53.3	56.7
ASP6002 (BPR)	8.3	4.0	6.0	4.0	4.7	4.7	5.0	96.0	88.3	91.3	97.7	56.7	56.7	53.3
ASP6006 (LPFG)	7.7	4.3	6.0	5.3	5.0	4.3	4.3	99.0	80.0	83.3	96.3	56.7	50.0	53.3
ATTRIBUTE (IS-PR 270)	7.7	3.7	5.0	5.7	6.0	5.0	4.7	99.0	86.7	91.3	99.0	66.7	60.0	63.3
CABO II (IS-PR 233)	7.3	3.7	6.0	5.7	5.0	5.0	4.7	99.0	80.0	88.3	97.7	53.3	53.3	60.0
LA QUINTA (JR-255)	7.3	4.0	5.7	4.3	4.3	3.3	4.3	93.0	75.0	81.7	96.3	50.0	50.0	56.7
CALYPSO 3 (MS2)	7.7	3.3	6.3	5.0	5.7	4.0	4.7	99.0	80.0	91.7	99.0	66.7	60.0	60.0
PST-217	7.0	4.3	6.3	4.7	4.3	3.7	4.7	96.0	75.0	91.0	97.7	50.0	53.3	60.0
PST-2MNG	6.7	4.0	5.3	6.3	4.0	3.3	4.0	93.0	76.7	85.0	97.7	56.7	50.0	56.7
04-BRE	6.7	3.7	5.7	5.7	5.0	4.0	4.0	89.7	68.3	78.3	91.7	53.3	50.0	53.3
AF	7.0	3.3	4.7	4.3	5.0	4.0	4.3	96.0	76.7	91.7	97.7	46.7	50.0	53.3
AMAZING GS (IS-PR 276)	7.0	4.3	4.0	5.3	5.0	3.7	4.3	96.0	83.3	86.3	99.0	73.3	60.0	60.0
BAR LP 4317	6.0	3.3	5.3	5.0	5.3	4.0	4.3	92.7	76.7	89.7	96.3	53.3	56.7	60.0
FUSION	7.3	5.3	4.7	6.0	5.3	4.7	4.3	93.0	75.0	83.3	95.0	53.3	60.0	66.7
HEADSTART 2	8.7	3.7	5.0	5.7	5.0	4.3	4.7	99.0	83.3	91.7	99.0	66.7	63.3	63.3
PLEASURE SUPREME (PM 103)	7.3	4.0	5.3	5.0	4.7	3.3	4.7	99.0	81.7	91.7	97.7	53.3	60.0	66.7
PM 102	7.7	4.3	5.3	4.7	4.0	3.3	4.3	96.0	76.7	86.7	93.3	50.0	50.0	50.0
GRAND SLAM 2 (PST-2GSM)	6.0	3.7	5.0	5.0	5.7	6.0	4.3	96.0	78.3	88.0	97.7	60.0	56.7	60.0
RAD-PR8	6.3	4.0	5.3	5.3	5.7	5.3	4.3	96.0	78.3	91.7	99.0	56.7	56.7	60.0
SRX 4692	7.0	4.0	6.0	4.7	4.3	3.0	4.7	96.0	78.3	86.7	96.3	56.7	60.0	66.7
SUNSHINE 2	8.3	4.0	4.3	5.7	5.7	4.0	4.0	92.7	66.7	81.7	94.7	56.7	56.7	56.7
ACCENT II (JR-119)	7.0	3.3	4.7	5.3	5.0	4.3	4.3	93.0	81.7	85.0	97.7	60.0	60.0	60.0
BAR LP 4420	7.3	4.0	5.3	4.7	4.3	3.7	4.3	93.0	76.7	85.0	95.0	56.7	56.7	53.3
DART (APR 1663)	6.7	4.0	5.3	5.7	4.3	4.7	4.7	99.0	85.0	86.7	99.0	63.3	60.0	63.3
ES45	7.7	3.7	5.0	5.3	4.3	2.7	4.3	96.0	83.3	86.7	96.3	56.7	53.3	53.3
GRAY STAR (PST-2LGL)	7.3	3.7	4.3	6.0	5.0	3.0	4.7	96.0	80.0	91.7	97.7	56.7	56.7	60.0
INSPIRE	6.7	3.7	6.3	5.7	4.7	4.0	4.7	96.0	80.0	88.3	99.0	63.3	66.7	66.7
MANHATTAN 5 GLR (PST-2AM)	6.7	3.7	4.0	5.3	5.0	3.3	4.0	93.0	75.0	85.0	96.3	46.7	50.0	56.7
MONTEREY 3 (JR-408)	6.7	4.0	5.7	6.3	4.7	3.3	4.3	93.0	73.3	81.7	97.7	70.0	50.0	50.0
PANTHER GLS	6.7	3.3	5.0	5.0	5.7	4.7	4.3	99.0	76.7	85.0	96.3	53.3	53.3	60.0
PENTIUM	6.0	3.3	5.0	5.7	5.3	3.3	4.7	99.0	85.0	88.3	97.7	50.0	63.3	63.3
PINNACLE II	7.7	3.7	4.0	4.7	4.3	3.3	4.7	96.0	80.0	86.7	97.7	53.3	50.0	53.3
PST-2LAN	6.7	3.0	5.0	5.7	5.0	4.3	4.3	93.0	75.0	85.0	97.7	50.0	53.3	53.3
QUICKSILVER	6.7	3.7	4.7	5.0	4.7	4.3	4.3	99.0	76.7	86.7	97.7	53.3	60.0	60.0
SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	3.7	4.0	5.3	4.3	3.3	4.3	99.0	88.3	88.3	97.7	53.3	56.7	56.7
SRX 4682	6.3	3.3	5.3	6.0	5.3	4.3	4.3	99.0	80.0	86.7	97.7	53.3	60.0	60.0
VB77	7.7	3.7	4.7	6.0	5.3	4.3	4.3	86.3	73.3	80.0	94.7	60.0	50.0	53.3
WIND DANCE 2 (PWDR)	7.7	3.7	5.0	6.0	5.0	3.7	4.0	99.0	80.0	85.0	96.0	60.0	60.0	60.0
04-BEN	7.0	3.7	5.3	5.3	4.7	3.3	4.7	99.0	79.7	85.0	94.7	60.0	56.7	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	FALL	DISEASE*/ RATINGS	RED JUN	THREAD OCT	DISEASE NOV	RATINGS DEC	QUALITY	PERCENT	PERCENT COVER RATINGS			PERCENT COVER RATINGS		
	COLOR OCTOBER						AFTER TRAFFIC	COVER BEFORE TRAFFIC	AFTER	4 WEEKS	8 WEEKS	AFTER	4 WEEKS	8 WEEKS
DELAWARE XL (PICK 01-2)	8.0	4.3	4.3	5.3	5.7	4.7	4.3	93.0	86.7	90.0	97.7	60.0	60.0	60.0
DP 17-9788	5.7	3.0	4.3	5.7	5.7	3.7	4.3	96.0	80.0	93.3	99.0	50.0	53.3	56.7
HALO (KN42)	7.0	3.7	4.7	4.3	4.3	3.0	4.3	89.7	81.7	83.0	97.7	66.7	53.3	56.7
MACH I	7.0	4.0	5.0	4.3	4.3	3.3	4.7	99.0	88.3	89.7	96.3	56.7	60.0	63.3
PS-2	7.0	3.3	4.7	4.7	4.3	3.3	4.3	86.3	76.7	86.7	96.0	60.0	56.7	56.7
TOP GUN II (JR-324)	8.3	4.0	5.3	7.3	5.7	4.7	4.3	99.0	76.7	86.7	99.0	63.3	56.7	56.7
ASP6001 (RTS)	8.0	3.0	5.7	5.7	4.7	3.7	4.7	99.0	83.3	85.0	96.3	60.0	60.0	56.7
ASP6005 (AJM)	9.0	3.3	5.0	5.3	4.0	2.7	4.3	96.0	80.0	86.7	96.3	56.7	56.7	60.0
BARLENNIUM	6.3	3.3	6.0	6.3	4.0	2.7	4.0	96.0	68.3	81.7	94.7	50.0	56.7	60.0
FIREBOLT (PRG HS-01-09)	7.0	4.0	4.3	4.7	4.0	3.7	4.0	89.7	76.7	83.3	95.0	56.7	53.3	53.3
GOALKEEPER II (JR-114)	6.7	3.7	5.3	4.0	4.7	4.0	4.7	93.0	83.3	91.3	97.7	53.3	53.3	53.3
NEXUS XR (SNR)	8.0	4.0	4.3	4.0	4.7	3.7	4.3	93.0	78.3	81.7	96.3	60.0	50.0	53.3
VB99	8.0	3.3	4.7	5.3	4.0	3.0	4.3	89.7	76.7	81.7	97.7	60.0	56.7	56.7
GPR	7.3	3.3	5.0	4.3	5.0	4.7	4.3	96.0	75.0	86.7	97.7	53.3	53.3	60.0
PALMER III	6.0	3.3	3.7	5.0	3.7	3.3	5.0	96.0	85.0	86.7	97.7	60.0	63.3	63.3
PINNACLE	5.3	3.3	4.3	4.0	4.0	2.3	3.7	96.0	85.0	91.7	97.7	53.3	53.3	53.3
PRESIDIO (CNV)	7.7	4.0	4.3	4.7	4.3	3.0	4.7	99.0	78.3	86.7	96.3	56.7	56.7	60.0
NEXUS XD (SP4)	8.3	3.3	5.7	5.0	4.0	2.3	4.0	96.0	76.7	81.7	96.0	60.0	56.7	56.7
CADDIESHACK II (JR-163)	6.7	2.3	5.0	5.0	3.3	2.7	4.3	93.0	81.7	85.0	97.7	50.0	53.3	60.0
PANTHER	6.3	3.0	4.7	5.7	4.3	3.0	4.0	96.0	81.7	85.0	96.3	70.0	56.7	60.0
PREMIER	5.3	2.3	4.7	4.3	4.3	4.0	4.0	96.0	81.7	80.0	95.0	43.3	56.7	56.7
AFFINITY	5.0	2.7	5.3	4.7	4.0	3.7	4.3	96.0	85.0	90.0	97.7	56.7	50.0	53.3
PREMIER II	6.0	2.3	4.3	5.3	4.0	3.3	4.3	99.0	78.3	86.7	99.0	53.3	60.0	63.3
LPR 02203	5.3	3.3	4.7	4.0	4.3	5.0	4.3	93.0	81.7	91.7	96.3	60.0	50.0	53.3
LINN	5.0	3.3	5.0	3.3	3.0	2.3	3.0	96.0	78.3	80.0	95.0	40.0	46.7	50.0
LSD VALUE	1.3	1.1	3.5	2.2	2.0	1.6	2.7	25.6	54.3	31.4	6.5	34.0	32.1	36.7
C.V. (%)	10.8	15.5	21.5	19.3	18.9	21.3	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.

\*/ DISEASE RATINGS WERE BROWN BLIGHT AND RED THREAD DISEASES.

TABLE 13.

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	IA1	IL1	IL2	IN1	MA1	MI1	MN1	MO1	NJ1	OR1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
L44	8.7	6.7	8.7	7.7	8.0	7.0	9.0	7.0	8.0	8.0	7.3	8.3	8.0	6.7	8.3	7.7	9.0	7.9
NEXUS XD (SP4)	8.7	7.3	8.0	8.0	8.0	6.3	8.3	6.3	8.0	8.3	7.3	8.0	8.0	6.7	8.3	8.3	8.7	7.8
NEXUS XR (SNR)	8.0	7.0	7.3	7.3	8.3	7.0	8.0	6.7	7.7	8.0	6.7	7.3	7.3	8.3	8.7	8.0	8.7	7.7
TR47	8.3	7.0	7.7	8.0	7.7	6.7	9.0	6.7	8.0	7.7	7.0	8.0	7.3	6.0	8.0	8.3	9.0	7.7
ASP6003 (TRS)	8.0	6.7	8.0	7.3	8.0	7.3	7.7	7.0	7.3	8.3	6.7	7.7	7.7	6.7	8.3	8.0	8.7	7.6
PICK 02-R	7.0	6.7	9.0	7.0	8.0	6.3	8.7	7.3	7.3	8.0	7.0	6.7	7.3	8.3	8.0	8.0	8.3	7.6
HALO (KN42)	7.7	7.3	7.7	7.0	7.7	7.0	8.3	7.0	8.0	8.7	7.3	8.0	7.7	4.7	8.7	8.3	7.7	7.6
FIREBOLT (PRG HS-01-09)	8.0	6.3	8.0	8.0	8.0	6.7	8.0	7.3	7.0	8.0	7.3	8.0	7.0	7.0	8.0	8.0	8.0	7.6
CABO II (IS-PR 233)	8.7	6.7	8.0	7.7	8.0	7.0	8.7	6.0	8.0	7.7	6.7	6.7	7.7	6.0	8.7	8.0	8.3	7.5
PM 102	8.0	7.3	7.3	7.3	7.7	6.3	8.3	6.3	7.0	8.0	7.0	7.7	7.3	6.3	8.7	9.0	8.3	7.5
VB99	7.3	7.0	8.3	7.3	8.0	6.7	7.3	7.0	7.0	8.0	7.3	7.7	7.7	6.3	8.3	8.3	8.3	7.5
GPR	8.3	7.0	7.3	7.3	7.7	6.7	7.7	6.3	7.3	8.3	7.0	7.7	8.3	6.7	8.3	8.0	7.7	7.5
ASP6006 (LPGF)	8.3	7.3	7.3	7.3	7.7	6.3	8.0	7.3	7.3	8.3	7.0	7.3	7.0	6.0	8.0	7.7	8.7	7.5
ES45	8.0	6.7	7.3	7.7	7.7	7.0	8.0	6.7	7.3	7.7	7.3	8.3	7.7	5.3	8.0	8.3	8.0	7.5
ASP6004 (EXS54)	7.3	7.0	7.0	7.3	8.0	6.7	8.0	6.3	6.7	8.0	6.7	7.3	7.3	7.0	7.7	8.0	8.7	7.4
ASP6002 (BPR)	8.3	7.0	7.0	7.0	8.0	6.7	8.3	6.7	7.7	8.0	7.3	7.0	6.3	6.0	7.7	8.3	7.3	7.3
ASP6005 (AJM)	7.7	6.7	8.0	7.3	8.0	7.3	8.0	6.3	7.7	8.0	7.0	7.3	7.0	5.7	7.0	7.7	7.7	7.3
WIND DANCE 2 (PWDR)	8.3	6.7	7.3	7.0	8.3	6.0	7.7	7.3	6.7	7.3	7.0	7.7	7.0	6.3	8.0	7.7	7.7	7.3
CUTTER II (PM 101)	8.3	6.3	7.0	7.7	7.0	7.3	7.7	7.0	6.7	8.3	6.7	6.7	6.7	7.0	7.7	8.0	7.3	7.3
PALACE (IS-PR 273)	9.0	6.7	7.0	7.3	7.7	6.3	8.3	5.7	6.7	7.7	6.7	7.0	6.3	6.7	8.3	7.7	8.3	7.3
CALYPSO 3 (MS2)	8.0	7.0	7.0	8.0	7.3	5.3	7.3	7.0	6.3	7.7	6.3	5.7	6.7	7.7	8.3	8.3	8.3	7.2
LA QUINTA (JR-255)	7.3	6.7	7.3	7.0	8.0	5.3	7.7	6.0	7.3	8.0	6.7	7.7	7.0	6.3	8.0	7.7	8.3	7.2
REGAL 5 (IS-PR 271)	8.0	6.3	7.0	8.3	7.7	6.3	8.7	6.0	7.0	8.0	6.7	7.0	7.0	5.0	8.0	8.0	7.3	7.2
VB77	8.3	7.0	6.3	8.0	8.0	6.3	7.3	6.0	6.0	8.0	7.3	8.3	6.7	5.3	7.3	7.7	8.3	7.2
ASP6001 (RTS)	7.3	6.7	7.0	7.3	7.7	5.7	8.3	6.7	6.7	8.0	7.0	7.0	7.0	6.0	8.3	7.3	8.0	7.2
DP1	8.7	6.7	6.3	7.7	7.3	6.3	7.3	6.7	6.0	8.0	6.3	6.0	7.0	6.0	7.3	7.7	8.7	7.1
SUNSHINE 2	7.0	6.0	8.0	6.3	8.0	6.0	7.3	7.3	6.0	8.0	7.7	6.7	6.3	5.3	8.0	8.0	8.0	7.1
EDGE II (AC2)	8.0	6.3	6.7	7.7	7.7	6.7	7.7	6.0	5.7	8.0	6.3	6.3	6.7	6.3	8.0	7.3	8.0	7.0
HEADSTART 2	7.0	7.3	7.0	6.7	8.0	6.3	6.7	6.0	7.3	8.0	7.0	6.7	6.7	5.7	6.7	8.3	7.7	7.0
PRESIDIO (CNV)	7.0	6.7	7.0	7.7	7.3	5.0	7.3	6.7	5.7	7.7	7.0	7.3	6.7	5.0	8.3	8.0	8.7	7.0
DELAWARE XL (PICK 01-2)	7.3	6.7	7.3	7.0	7.3	6.0	7.3	6.7	7.0	7.7	7.3	6.3	5.7	5.3	8.3	8.0	7.7	7.0
FUSION	7.7	6.7	6.0	7.0	7.7	6.0	7.3	6.3	6.7	8.0	6.0	6.7	6.7	6.0	8.0	7.7	8.3	7.0
KOKOMO II (IS-PR 235)	7.7	6.7	6.3	7.7	7.0	6.7	7.3	5.7	6.3	8.0	6.3	6.0	6.7	5.0	8.7	7.7	8.3	6.9
STELLAR GL (IS-PR 236)	6.7	6.3	6.7	8.0	7.3	6.3	8.0	6.0	6.3	8.0	6.7	6.3	7.0	4.7	8.3	7.3	8.0	6.9
PLEASURE SUPREME (PM 103)	6.7	6.3	6.7	7.7	7.0	7.0	7.7	6.7	7.0	7.3	7.0	6.0	6.3	5.3	7.7	8.3	7.3	6.9
PROTEGE GLR	7.7	7.0	6.3	7.7	7.7	6.7	7.0	7.7	6.0	7.3	6.3	7.0	6.7	4.3	8.3	7.3	7.0	6.9
AMAZING GS (IS-PR 276)	8.3	6.3	5.7	7.7	6.7	6.0	7.7	5.3	6.7	8.0	6.7	6.7	6.3	6.0	7.7	7.3	8.3	6.9
ALL*STAR 3 (IS-PR 274)	8.7	6.7	6.0	7.7	7.3	5.7	7.7	5.7	6.7	8.0	6.7	5.3	6.7	5.3	8.3	6.7	8.3	6.9
D04-11T	8.3	7.0	6.3	6.7	7.0	7.0	7.3	6.0	6.0	7.7	7.0	5.3	6.3	7.0	7.7	7.3	7.3	6.9
DERBY XTREME (IS-PR 268)	8.3	6.3	6.7	7.3	7.7	6.3	6.7	6.0	6.3	7.7	6.3	5.7	7.0	5.3	8.3	7.7	7.3	6.9
APR 1648	7.7	7.0	6.7	7.3	7.3	5.3	7.3	5.7	6.7	7.7	6.7	5.3	6.3	6.0	8.7	8.0	7.0	6.9
DP 17-9499	7.7	6.7	6.0	7.7	6.3	6.0	6.7	6.7	6.0	7.0	6.7	5.7	6.7	6.7	8.3	8.0	8.0	6.9
QUICKSILVER	8.3	5.3	6.3	7.0	7.7	6.0	7.3	6.0	7.0	7.3	6.7	6.7	6.3	6.3	7.7	7.7	7.0	6.9
MACH I	7.0	6.0	6.0	7.0	7.0	6.7	6.7	6.3	6.0	7.7	7.0	5.3	6.3	6.7	8.3	8.0	8.3	6.8
EXACTA II GLSR (LTP-611-GLSR)	7.0	6.7	7.0	8.0	7.7	6.3	6.3	6.0	6.3	7.3	6.3	6.3	6.3	4.7	8.0	7.7	8.0	6.8

TABLE 13. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/																	
	IA1	IL1	IL2	IN1	MA1	MI1	MN1	MO1	NJ1	OR1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
MMW	7.7	6.7	5.3	7.3	7.3	6.7	6.7	6.0	6.0	7.7	6.7	6.0	7.0	6.0	7.3	7.3	8.0	6.8
FIESTA 4 (PICK F4)	7.7	6.7	6.0	7.0	7.7	5.7	7.0	6.3	5.7	7.3	6.7	6.0	7.0	5.3	7.7	7.7	7.3	6.7
BUENA VISTA	8.0	6.7	6.0	7.3	6.7	6.7	7.7	5.3	5.7	7.7	6.7	5.7	7.0	5.7	8.0	7.0	6.7	6.7
PINNACLE II	7.3	7.0	6.0	7.0	6.7	6.0	6.3	6.7	6.7	7.3	6.7	5.3	6.7	5.7	7.7	7.0	8.3	6.7
ATTRIBUTE (IS-PR 270)	8.0	6.7	6.7	7.7	7.3	5.3	7.3	6.0	6.0	8.0	6.3	5.3	6.0	5.3	8.0	6.7	7.7	6.7
PALMER IV	7.7	6.7	5.3	7.0	8.0	6.3	8.0	6.3	7.0	7.7	6.0	5.3	6.7	4.7	8.0	7.3	6.0	6.7
HOMERUN (RG3P)	6.7	6.3	5.7	7.0	6.7	6.7	6.3	7.0	6.3	7.7	7.0	5.7	6.7	5.7	8.3	7.7	6.3	6.7
REVENGE GLX (JR-348)	7.7	6.3	5.7	8.7	7.3	6.3	6.0	5.7	6.3	7.3	6.3	6.7	6.7	4.7	7.7	7.3	7.0	6.7
ZOOM (LCK)	8.0	6.3	5.3	7.0	7.0	6.0	6.3	6.0	5.7	7.7	7.0	6.0	6.7	6.7	7.0	6.7	8.3	6.7
PARAGON GLR	8.7	6.7	6.0	7.0	6.3	5.7	6.3	6.7	6.0	7.7	6.3	6.3	6.3	5.0	7.7	7.3	7.7	6.7
TOP GUN II (JR-324)	6.7	6.7	6.7	6.7	7.7	6.0	6.0	5.7	6.3	7.3	6.3	6.3	6.3	6.7	7.7	7.3	7.3	6.7
SR 4600 (SRX 4SP)	8.0	6.7	5.0	7.0	6.7	5.0	6.7	7.0	6.3	7.3	6.0	5.7	7.0	5.7	7.7	8.0	7.7	6.7
PST-217	7.3	6.3	6.0	6.0	7.0	6.3	6.0	6.7	5.7	7.3	7.0	6.7	6.7	5.3	7.7	7.0	8.3	6.7
PST-2AG4	7.0	6.7	6.0	7.3	7.0	6.3	7.0	6.0	5.3	7.3	6.3	6.0	7.0	5.3	7.7	7.7	6.7	6.6
BAR LP 4420	7.3	6.7	6.0	7.3	6.7	6.7	6.3	6.0	6.0	7.3	6.0	5.7	6.7	5.7	7.3	7.7	7.0	6.6
DASHER 3 (PICK RB-1)	6.7	6.7	5.7	8.3	6.7	6.7	7.0	6.0	6.7	8.0	6.3	6.0	6.0	5.3	7.3	6.3	6.7	6.6
PST-2BLK	7.0	6.0	5.7	6.3	7.7	5.7	6.0	6.3	4.7	8.0	6.7	7.3	7.0	5.3	8.0	7.3	7.3	6.6
SILVER DOLLAR	7.3	5.7	6.7	7.3	7.3	6.0	5.3	6.7	6.3	7.7	6.3	5.7	6.7	4.7	7.7	7.0	7.3	6.6
APPLE GL (AAZ-B104)	8.3	6.3	6.0	7.0	7.3	6.0	6.7	6.0	6.3	8.0	6.0	5.0	6.7	4.7	7.7	6.7	7.0	6.6
RNS	8.0	6.3	6.3	7.0	6.3	6.7	6.3	6.0	5.3	7.0	5.7	5.0	6.7	6.0	7.7	7.3	8.0	6.6
PIZZAZZ	6.7	6.0	6.0	8.0	6.7	6.3	6.7	6.3	5.7	7.0	6.0	5.3	6.3	6.0	8.0	7.7	6.7	6.5
HARRIER (SRX 4UP3)	7.7	6.7	6.3	7.3	7.0	5.3	6.0	6.3	5.3	7.3	6.3	5.3	7.0	5.7	7.0	6.7	7.7	6.5
AF	7.3	6.7	5.7	7.7	6.3	5.7	7.3	6.3	5.7	7.0	6.0	5.3	6.3	4.7	7.7	7.0	8.3	6.5
PRIMARY (IS-PR 269)	6.3	6.3	5.0	7.3	6.7	6.0	7.3	5.3	6.0	7.7	6.0	5.3	6.7	7.0	7.7	7.0	7.3	6.5
SRX 4692	6.7	6.0	6.0	7.0	6.7	5.3	5.7	6.7	5.7	7.7	6.3	6.3	7.0	6.7	6.7	7.7	7.0	6.5
GL-2	6.7	6.7	5.7	7.7	7.3	6.7	5.7	6.3	5.7	7.3	6.3	4.7	6.3	5.3	7.7	7.3	7.3	6.5
O4-BRE	7.0	5.3	6.7	7.0	7.0	4.7	7.0	6.7	5.7	7.0	6.0	5.3	6.3	6.0	7.7	7.0	8.0	6.5
GRAY STAR (PST-2LGL)	7.0	6.3	6.0	7.0	7.0	6.7	5.3	6.3	6.0	7.0	7.0	5.3	6.3	6.3	7.0	7.7	6.0	6.5
GOALKEEPER II (JR-114)	6.0	5.7	6.0	6.0	6.3	6.7	4.3	6.3	4.7	7.7	6.3	7.0	7.0	6.3	7.7	7.0	8.7	6.5
PS-2	6.3	6.3	6.3	7.0	6.3	5.3	6.0	5.7	6.0	7.3	6.0	5.0	6.7	5.3	8.0	7.7	8.0	6.4
D04-LP05	7.0	6.3	5.3	7.3	7.0	5.0	6.0	6.0	6.0	8.0	6.7	5.7	6.3	4.7	8.3	7.3	5.7	6.4
D04-UP	7.7	6.3	5.0	7.0	7.0	6.0	6.0	6.0	5.7	7.3	5.7	5.7	6.7	5.0	8.0	7.0	5.7	6.3
PANTHER GLS	6.3	6.7	5.7	7.0	7.0	6.3	5.3	5.7	5.7	7.3	5.7	4.7	6.7	5.7	8.0	7.0	7.0	6.3
DCM	7.0	6.0	5.7	7.7	6.3	5.7	6.0	6.3	5.0	7.7	5.7	4.7	6.7	6.3	7.3	6.7	6.7	6.3
PHENOM (APR 1660)	7.0	6.0	5.3	7.0	6.7	4.7	6.3	6.0	5.0	7.3	6.0	5.7	6.3	6.0	8.0	7.0	7.0	6.3
KEYSTONE 2 (IS-PR 312)	7.0	6.3	4.7	7.7	6.7	6.0	5.7	5.3	5.7	7.7	6.0	5.7	6.3	6.3	7.0	6.7	6.7	6.3
PST-2MNG	6.7	6.0	5.0	7.3	7.0	5.3	5.3	6.0	5.3	8.0	6.0	6.3	6.7	4.7	7.7	7.0	6.7	6.3
REPELL GLS	6.7	6.3	5.0	7.0	6.7	7.0	4.7	6.7	5.3	7.7	6.3	5.3	6.3	5.0	7.3	6.7	7.0	6.3
GALATTI (DP 17-9502)	5.3	7.0	6.0	7.0	6.7	6.3	5.3	6.0	5.3	7.0	6.7	4.7	6.7	5.0	7.0	7.7	7.0	6.3
RAD-PR8	6.7	5.7	5.0	8.0	7.3	6.7	5.3	5.0	5.0	7.3	6.3	5.0	6.3	6.0	7.3	7.0	6.7	6.3
PIANIST (DP 17-9505)	7.0	5.7	6.0	7.3	6.0	6.3	5.7	6.0	5.7	7.3	6.3	4.7	7.0	4.7	7.0	6.7	7.0	6.3
OVERDRIVE	8.0	6.7	5.3	7.0	7.7	5.3	5.0	6.3	5.0	7.3	6.3	5.3	6.0	4.3	7.3	7.3	6.0	6.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	7.3	5.7	5.3	7.0	6.3	5.7	5.7	5.7	5.3	7.7	6.0	5.3	6.7	4.7	7.7	7.0	7.0	6.2
DART (APR 1663)	6.7	6.0	5.7	7.0	6.7	5.7	5.7	6.3	5.7	6.7	6.3	4.7	6.3	5.7	7.0	7.0	7.0	6.2
1G SQUARED (APR 1664)	6.7	6.3	5.3	5.3	6.7	6.3	6.3	5.7	5.0	7.0	6.0	5.0	6.7	5.3	7.0	7.3	8.0	6.2
O4-BEN	6.3	6.0	5.0	7.3	6.7	5.3	5.3	6.7	4.7	7.7	6.3	4.7	7.0	6.0	7.7	6.7	6.3	6.2



TABLE 13. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/																MEAN	
	IA1	IL1	IL2	IN1	MA1	MI1	MN1	MO1	NJ1	OR1	QE1	RI1	SD1	UT1	VA1	WA1		WI1
CADDIESHACK II (JR-163)	6.3	5.7	5.7	6.7	6.3	5.7	4.3	5.3	5.7	7.3	6.0	6.0	6.3	7.7	7.0	6.7	7.0	6.2
GRAND SLAM 2 (PST-2GSM)	7.7	5.7	5.3	6.7	6.3	5.3	6.3	6.0	5.0	7.3	6.7	5.3	5.7	4.7	7.3	7.0	7.0	6.2
LINE DRIVE GLS (APR 1797)	6.0	6.3	5.3	7.3	7.0	5.7	6.3	5.7	4.7	7.0	6.0	4.7	6.3	6.3	7.0	7.3	6.3	6.2
BAR LP 4920	6.7	5.7	6.0	6.3	6.3	5.3	6.0	5.7	4.7	6.7	6.0	4.7	6.7	5.7	7.3	8.3	7.0	6.2
MONTEREY 3 (JR-408)	5.0	5.7	5.7	7.0	7.0	6.7	5.0	5.7	4.7	7.0	6.3	6.3	6.3	6.3	7.3	7.3	5.7	6.2
D04-1667	6.0	6.3	4.7	7.0	6.7	6.0	5.7	5.7	5.0	7.7	6.0	5.0	6.3	5.3	7.7	7.7	5.3	6.1
INSPIRE	5.7	6.0	5.3	7.3	6.0	5.7	4.7	5.7	5.0	7.3	6.0	5.0	6.3	7.3	7.3	7.0	6.3	6.1
SECRETARIAT II GLSR (LTP-101-GLSR)	6.7	5.7	4.7	7.3	6.3	5.3	4.7	5.3	4.7	7.0	6.3	5.7	6.3	5.7	7.3	7.0	7.7	6.1
ACCENT II (JR-119)	5.7	5.7	5.3	6.3	6.3	6.0	5.0	6.3	5.0	7.0	6.0	6.0	6.3	6.3	7.0	6.3	6.3	6.1
APR 1670	6.7	5.7	5.0	7.0	6.0	5.3	5.7	5.0	5.0	7.3	6.0	5.0	6.3	5.7	7.0	6.7	7.3	6.0
MANHATTAN 5 GLR (PST-2AM)	6.3	5.3	4.7	7.0	6.7	6.7	6.3	4.7	4.7	7.0	5.7	4.7	6.7	4.7	7.3	7.0	6.7	6.0
BRIGHTSTAR SLT	6.0	5.3	5.3	7.0	5.7	6.7	5.0	5.3	4.7	7.0	6.3	5.3	6.7	5.3	7.3	6.3	6.7	6.0
CITATION FORE	6.0	6.0	4.7	7.0	6.3	6.0	4.7	5.7	4.3	7.0	6.0	5.3	6.3	6.3	7.3	6.7	6.3	6.0
E-99	6.3	5.3	5.3	6.7	6.3	4.7	5.3	5.3	6.0	7.0	6.3	5.7	6.7	4.3	6.7	6.3	6.0	5.9
PST-2LAN	6.7	5.7	4.3	6.7	5.7	5.7	5.3	5.3	4.3	7.7	6.3	5.0	4.7	5.3	7.0	6.0	6.3	5.8
BARLENNIUM	5.3	5.7	4.3	6.3	6.7	5.3	5.3	6.0	4.3	7.0	5.7	4.3	5.7	5.7	7.0	7.0	5.7	5.7
PREMIER II	5.0	5.3	3.7	7.0	6.3	4.7	5.0	5.0	4.7	7.0	6.3	4.7	5.3	7.0	7.3	6.3	6.7	5.7
DP 17-9788	6.0	5.3	4.7	6.7	5.7	5.3	5.0	5.3	3.3	6.3	6.3	5.0	5.3	5.3	7.3	6.0	6.7	5.6
PENTIUM	5.3	5.3	4.7	6.7	6.0	4.7	4.3	6.0	4.7	6.7	6.0	5.0	4.7	5.0	7.7	6.7	6.0	5.6
PALMER III	5.7	5.7	4.7	6.3	6.0	5.7	5.0	5.7	4.7	7.0	6.0	4.3	5.0	4.3	7.0	6.0	6.0	5.6
BAR LP 4317	5.7	5.0	4.0	7.3	5.3	4.7	4.7	4.7	4.0	7.0	6.0	4.3	5.3	5.3	6.3	7.0	8.0	5.6
SRX 4682	4.3	5.0	4.7	7.3	6.7	5.3	4.0	5.0	4.7	6.0	6.0	4.7	5.7	4.7	6.7	7.0	6.0	5.5
PANTHER	4.7	6.0	3.7	5.7	5.7	4.7	4.0	4.7	3.7	6.3	5.3	4.0	4.7	6.0	6.7	6.0	5.3	5.1
LPR 02203	4.7	5.0	2.7	5.3	4.7	3.3	2.7	4.3	3.0	5.7	5.0	3.7	4.3	4.0	6.3	5.3	6.7	4.5
AFFINITY	3.0	4.0	2.7	5.7	5.0	4.0	3.0	4.0	2.7	6.0	5.0	3.3	4.0	5.7	5.7	5.3	5.3	4.4
PREMIER	3.7	4.0	1.7	4.7	5.0	3.3	2.3	4.0	2.7	6.0	5.0	3.7	4.7	3.7	5.7	4.0	5.3	4.1
PINNACLE	3.3	4.0	1.7	4.7	4.7	2.7	2.0	4.0	2.7	6.0	4.7	3.3	3.7	4.0	5.3	5.3	6.0	4.0
LINN	1.3	3.0	1.0	4.0	4.0	2.0	1.0	3.3	1.0	5.7	4.0	2.0	2.7	2.7	4.0	3.0	6.0	3.0
LSD VALUE	1.7	1.0	1.1	1.4	0.9	1.6	1.2	1.2	1.2	0.7	0.8	1.3	1.1	2.3	1.2	1.1	1.7	0.3
C.V. (%)	15.2	9.5	11.5	11.9	8.1	17.2	11.7	12.4	13.0	6.1	8.2	13.4	10.6	25.2	9.5	9.6	14.5	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 14.

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
 2006 DATA

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

NAME	IL1	IN1	MA1	MI1	MN1	NY1	OR1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
APR 1648	5.3	7.0	5.0	6.3	5.3	5.0	6.3	3.0	6.0	6.0	4.3	8.7	6.7	8.7	6.0
SILVER DOLLAR	4.3	7.7	5.0	6.0	6.7	5.0	6.3	3.7	6.7	5.3	5.0	7.0	5.3	8.3	5.9
ASP6004 (EXS54)	5.0	6.7	5.3	6.7	5.3	4.7	6.7	3.0	5.3	6.7	3.7	8.3	6.3	8.7	5.9
APPLE GL (AAZ-B104)	5.3	6.7	4.3	6.7	5.7	5.0	6.7	3.0	6.7	6.3	3.3	8.0	5.7	8.3	5.8
REVENGE GLX (JR-348)	4.7	7.3	4.7	6.3	6.0	4.7	6.3	3.0	6.0	5.7	4.0	8.7	5.3	8.7	5.8
BAR LP 4920	4.3	6.7	5.3	5.3	7.0	4.3	5.7	2.7	6.7	7.0	4.0	7.0	6.0	8.7	5.8
DART (APR 1663)	4.7	7.0	5.3	6.3	5.7	4.7	6.3	2.7	6.0	6.0	4.3	7.3	5.7	8.7	5.8
SR 4600 (SRX 4SP)	5.3	7.0	5.3	6.3	5.7	5.0	6.0	2.7	6.0	6.0	4.7	7.3	5.3	8.0	5.8
CALYPSO 3 (MS2)	4.3	6.0	4.7	6.3	5.3	4.7	6.3	3.3	6.0	7.0	3.7	8.3	5.7	8.7	5.7
ASP6006 (LPFG)	5.3	6.0	4.3	6.3	5.3	5.3	7.0	2.7	5.7	6.3	4.3	8.7	4.7	8.3	5.7
CUTTER II (PM 101)	4.7	7.0	4.3	6.7	6.3	5.0	6.7	3.3	6.0	5.7	4.0	7.3	5.0	8.3	5.7
1G SQUARED (APR 1664)	5.7	6.0	5.0	6.3	5.3	5.0	6.3	3.0	5.3	6.7	4.7	7.3	5.3	8.3	5.7
LA QUINTA (JR-255)	4.7	6.3	4.7	6.7	5.3	4.7	7.0	3.7	6.3	6.0	3.3	8.0	4.7	8.7	5.7
PST-2AG4	4.3	7.0	4.7	6.3	4.7	5.0	6.0	3.0	6.0	6.7	5.0	8.3	5.0	8.0	5.7
VB99	4.3	6.0	4.3	7.0	5.0	4.3	7.0	3.3	5.7	6.7	4.3	8.7	5.0	8.3	5.7
PINNACLE II	5.7	6.3	4.3	6.3	6.7	4.3	6.0	3.3	6.7	6.3	4.0	7.3	4.3	8.3	5.7
D04-1667	6.0	6.7	5.3	5.3	5.3	5.0	6.0	2.7	7.3	5.7	3.7	7.0	6.0	7.7	5.7
PM 102	5.3	6.7	5.0	6.7	5.0	4.7	7.0	3.0	6.0	6.0	3.7	7.7	5.0	7.7	5.7
MACH I	5.7	6.0	5.3	6.3	5.7	5.3	6.3	2.3	6.0	5.7	4.0	7.3	5.0	8.3	5.7
EXACTA II GLSR (LTP-611-GLSR)	5.0	7.3	4.7	6.0	5.7	4.7	6.3	3.0	5.3	5.0	4.3	7.3	5.7	8.7	5.6
GALATTI (DP 17-9502)	4.3	6.7	4.7	6.0	6.0	5.3	6.0	3.7	6.3	5.7	3.3	8.0	4.0	9.0	5.6
MMW	4.7	7.0	4.7	6.0	5.0	4.7	6.3	2.3	5.7	7.3	4.0	8.0	5.0	8.3	5.6
PIANIST (DP 17-9505)	4.7	6.7	4.7	6.3	6.0	4.3	6.0	2.7	6.3	6.0	3.7	8.0	5.0	8.7	5.6
HARRIER (SRX 4UP3)	5.0	7.7	4.3	5.3	5.3	4.3	5.7	3.0	6.0	7.0	4.3	7.3	5.3	8.3	5.6
ATTRIBUTE (IS-PR 270)	3.7	7.0	5.3	6.3	5.0	5.0	6.3	3.0	6.0	6.0	4.0	7.7	4.7	8.7	5.6
D04-UP	5.3	6.3	4.3	6.3	5.7	4.7	6.0	3.0	5.3	6.7	3.7	7.7	5.0	8.7	5.6
HOMERUN (RG3P)	5.3	6.3	4.3	6.0	5.3	5.3	6.3	3.3	6.0	5.7	3.0	7.7	5.7	8.3	5.6
RNS	4.7	5.3	4.7	6.0	5.7	5.0	6.3	2.7	6.3	6.7	4.3	8.0	5.0	8.0	5.6
CITATION FORE	5.0	7.0	4.7	6.0	7.3	4.0	6.0	2.7	5.7	6.7	3.7	6.7	5.0	8.3	5.6
CABO II (IS-PR 233)	4.3	6.3	4.3	6.7	5.0	5.3	7.0	2.3	5.3	6.7	3.3	8.3	4.7	8.7	5.6
FIESTA 4 (PICK F4)	5.0	7.0	4.7	5.3	5.3	4.7	6.3	3.0	6.0	5.7	4.3	7.7	4.7	8.7	5.6
PST-2MNG	3.7	6.3	5.0	5.7	6.0	5.0	6.3	3.3	6.3	6.3	3.3	6.7	5.3	9.0	5.6
SECRETARIAT II GLSR (LTP-101-GLSR)	4.7	6.3	4.7	6.0	5.3	4.7	6.3	3.0	6.7	5.3	4.3	7.0	5.0	9.0	5.6
04-BRE	4.7	6.3	4.7	6.0	5.3	4.7	6.0	3.7	6.0	6.3	3.7	7.7	5.0	8.3	5.6
BUENA VISTA	5.3	6.7	4.7	5.3	5.3	5.0	6.3	2.7	6.0	6.0	3.7	8.3	4.7	8.3	5.6
PALMER IV	4.3	6.7	4.3	6.0	5.3	5.3	6.3	2.7	6.0	5.7	4.0	8.0	6.0	7.7	5.6
PLEASURE SUPREME (PM 103)	4.7	6.3	4.7	6.3	5.0	5.0	6.3	3.0	6.0	6.7	4.0	7.3	4.7	8.3	5.6
ASP6002 (BPR)	5.0	6.3	4.3	7.0	5.3	5.3	7.0	2.3	5.7	6.0	2.7	8.7	4.3	8.3	5.6
OVERDRIVE	4.0	6.0	5.0	6.0	6.0	4.7	6.0	3.0	6.3	6.0	4.3	7.3	4.7	8.7	5.6
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.3	6.7	4.0	6.0	5.7	5.0	6.3	2.3	6.3	6.0	3.7	7.0	5.3	8.3	5.6
DP 17-9788	6.0	6.0	5.7	5.3	6.0	4.3	5.7	3.0	6.3	6.0	4.3	6.3	4.7	8.3	5.6
PRIMARY (IS-PR 269)	5.0	6.3	4.3	5.3	5.3	5.0	6.0	3.0	6.0	6.7	4.3	7.7	5.0	8.0	5.6
TR47	4.3	6.0	4.0	6.7	4.7	4.7	6.7	3.3	5.7	6.3	3.7	9.0	4.7	8.3	5.6
KOKOMO II (IS-PR 235)	5.3	7.0	4.3	6.7	5.3	4.3	6.7	2.7	5.7	6.0	2.7	8.3	5.3	7.7	5.6
PHENOM (APR 1660)	4.3	6.0	5.0	6.0	6.3	4.7	6.0	2.7	6.0	6.3	3.3	7.7	5.3	8.3	5.6

TABLE 14. (CONT'D)

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	IL1	IN1	MA1	MI1	MN1	NY1	OR1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
AMAZING GS (IS-PR 276)	5.3	6.7	4.7	6.3	5.0	4.7	6.0	2.7	6.0	5.7	3.7	7.7	4.7	8.7	5.5
ASP6005 (AJM)	4.7	6.3	4.0	7.0	5.7	4.7	6.3	3.0	5.3	6.3	3.0	8.0	5.0	8.3	5.5
LINE DRIVE GLS (APR 1797)	4.3	6.3	5.0	5.3	6.3	5.3	6.0	2.3	6.7	6.3	3.3	7.0	5.0	8.3	5.5
PANTHER GLS	4.7	6.3	5.0	6.0	6.0	5.3	6.0	2.7	6.0	6.3	3.0	7.3	5.3	7.7	5.5
VB77	5.0	6.7	4.3	6.7	5.3	5.0	6.3	3.0	5.7	6.0	3.3	8.0	4.0	8.3	5.5
ASP6003 (TRS)	4.3	6.3	4.0	6.7	5.0	5.0	7.0	3.3	5.3	6.0	3.7	8.7	4.3	8.0	5.5
GPR	4.3	6.0	4.0	6.7	4.7	4.3	6.3	2.7	5.7	6.3	4.0	8.7	5.7	8.3	5.5
DP1	4.3	7.3	4.0	6.0	5.3	4.0	7.0	3.3	6.0	5.3	4.0	7.7	4.3	8.7	5.5
FUSION	6.0	6.3	3.7	6.0	6.3	5.0	6.7	3.0	5.3	5.3	3.3	7.7	4.7	8.0	5.5
TOP GUN II (JR-324)	5.0	6.0	5.0	6.0	6.0	5.0	6.3	2.7	5.3	5.3	3.7	8.3	4.7	8.0	5.5
HEADSTART 2	4.0	6.3	3.3	7.0	4.7	5.0	6.3	2.7	6.0	6.0	3.7	7.7	6.0	8.7	5.5
L44	4.7	6.0	4.3	7.0	4.3	4.3	7.3	2.7	6.3	5.0	3.3	8.7	5.0	8.3	5.5
PARAGON GLR	4.7	6.3	4.3	6.7	5.7	4.0	6.0	2.7	5.7	6.3	3.7	7.7	4.7	9.0	5.5
ES45	4.0	6.3	4.0	6.7	5.7	4.7	7.0	2.7	5.7	5.3	3.7	9.0	5.3	7.3	5.5
DASHER 3 (PICK RB-1)	4.7	6.3	4.0	6.3	5.0	4.3	6.0	3.0	6.0	6.3	4.3	7.3	5.0	8.3	5.5
GL-2	4.3	7.0	4.0	6.0	5.3	5.0	5.7	3.0	6.0	6.3	3.0	8.3	4.7	8.3	5.5
INSPIRE	4.7	6.0	4.7	5.3	6.0	4.7	6.3	2.7	6.0	6.7	3.7	7.3	5.0	8.0	5.5
NEXUS XR (SNR)	5.0	5.7	3.7	6.7	5.0	4.7	6.7	2.3	5.7	6.0	3.3	9.0	5.0	8.3	5.5
PRESIDIO (CNV)	4.3	6.0	4.7	6.3	4.3	4.3	6.3	2.7	6.0	6.7	3.7	8.3	4.7	8.7	5.5
PROTEGE GLR	3.7	7.3	3.7	6.3	5.7	5.0	7.0	2.7	5.0	6.0	3.3	7.7	5.7	8.0	5.5
REPELL GLS	5.3	6.3	4.3	7.0	5.0	4.7	5.7	2.7	5.3	6.0	3.3	7.7	5.0	8.7	5.5
D04-11T	4.7	6.3	4.0	6.3	5.0	5.0	6.0	2.7	5.7	6.7	3.7	8.3	5.0	7.7	5.5
PREMIER II	4.3	5.7	6.0	4.0	7.3	4.0	5.3	2.7	6.7	6.0	4.7	6.7	4.7	9.0	5.5
DP 17-9499	4.3	6.7	4.3	5.3	5.7	4.3	6.3	2.3	6.0	6.3	4.0	7.7	5.0	8.3	5.5
GRAND SLAM 2 (PST-2GSM)	5.0	5.7	3.7	6.0	5.3	4.7	6.0	2.0	5.7	6.0	4.0	8.0	6.0	8.7	5.5
APR 1670	5.0	6.7	4.7	6.0	6.3	4.7	6.0	2.3	5.7	5.0	4.7	6.7	4.7	8.3	5.5
AF	4.7	6.7	5.0	6.0	5.7	4.3	6.3	2.7	6.0	6.0	3.3	6.7	5.0	8.0	5.5
MANHATTAN 5 GLR (PST-2AM)	4.3	6.0	5.3	6.0	6.0	5.3	6.0	3.3	5.0	5.3	3.7	7.0	5.0	8.0	5.5
DCM	5.0	6.3	4.7	6.0	5.7	4.3	6.3	3.0	5.7	5.7	3.7	7.3	4.3	8.3	5.5
PANTHER	5.3	6.0	6.0	4.0	6.7	4.3	5.0	2.7	6.0	6.0	3.7	6.3	6.0	8.3	5.5
PIZZAZZ	4.7	6.0	4.3	5.7	5.7	4.7	6.0	2.3	6.0	6.0	4.0	7.7	5.3	8.0	5.5
PALACE (IS-PR 273)	5.0	7.0	4.0	6.0	5.0	4.3	6.3	2.7	5.7	5.3	3.7	8.7	5.3	7.3	5.5
DERBY XTREME (IS-PR 268)	4.0	6.7	5.0	6.0	4.3	5.0	6.7	2.7	5.7	6.0	3.3	7.7	4.3	8.7	5.4
E-99	4.7	6.7	4.3	5.3	5.7	4.7	5.7	3.0	6.3	6.0	4.0	6.7	4.7	8.3	5.4
KEYSTONE 2 (IS-PR 312)	4.7	6.7	4.3	6.0	5.3	5.0	6.0	2.7	4.7	5.7	4.0	7.3	4.7	9.0	5.4
PICK 02-R	4.0	6.3	3.0	6.3	4.3	4.3	7.3	3.0	5.3	6.3	3.3	9.0	5.0	8.3	5.4
WIND DANCE 2 (PWDR)	4.3	6.3	4.7	6.7	4.3	4.0	7.0	3.0	5.0	6.0	3.0	8.3	4.7	8.7	5.4
BARLENNIUM	4.7	6.0	5.3	5.3	6.0	4.7	5.7	2.7	6.0	5.0	4.7	6.3	5.3	8.3	5.4
NEXUS XD (SP4)	4.0	6.0	4.3	7.0	5.0	4.3	6.7	3.0	6.0	5.7	3.3	8.3	4.0	8.3	5.4
ASP6001 (RTS)	4.3	5.7	4.3	6.7	4.7	4.7	7.0	2.3	5.0	6.3	3.3	9.0	4.7	7.7	5.4
04-BEN	5.0	6.3	4.7	4.7	5.7	4.7	6.3	2.3	6.3	6.3	3.7	6.7	4.7	8.3	5.4
CADDIESHACK II (JR-163)	4.0	6.0	4.0	6.0	5.7	4.7	6.3	2.3	6.3	6.3	4.3	7.3	4.0	8.3	5.4
PALMER III	5.0	6.0	5.0	5.3	5.7	3.7	6.0	3.0	6.3	6.0	4.0	6.3	4.3	9.0	5.4
ZOOM (LCK)	5.0	6.7	4.3	6.0	5.7	4.7	6.3	3.0	5.7	6.0	3.0	7.0	4.7	7.7	5.4
ALL*STAR 3 (IS-PR 274)	4.7	6.7	4.7	6.0	5.0	4.7	6.3	3.0	6.0	5.7	3.0	7.7	4.0	8.3	5.4
SRX 4682	4.3	5.7	4.3	6.0	6.7	4.3	6.0	2.7	5.3	6.3	3.0	7.0	5.7	8.3	5.4

TABLE 14. (CONT'D)

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	IL1	IN1	MA1	MI1	MN1	NY1	OR1	QE1	RI1	SD1	UT1	VA1	WA1	WI1	MEAN
BAR LP 4317	5.3	5.7	4.7	4.7	6.0	5.3	5.3	2.3	5.3	6.7	4.0	7.0	4.3	8.7	5.4
HALO (KN42)	4.7	5.7	3.7	6.7	5.0	4.0	6.3	2.3	6.0	6.3	2.7	9.0	5.0	8.0	5.4
RAD-PR8	4.3	6.0	4.7	6.0	6.0	4.0	6.0	2.7	6.0	6.3	3.7	7.0	4.7	8.0	5.4
EDGE II (AC2)	4.3	6.3	4.3	7.0	5.0	5.0	6.0	3.0	5.7	5.3	3.3	7.7	4.7	7.3	5.4
SRX 4692	3.7	6.3	3.3	6.3	5.3	4.0	6.0	2.7	5.7	6.3	4.3	7.0	6.0	8.0	5.4
BAR LP 4420	4.7	5.7	4.7	6.3	5.7	4.3	6.0	3.0	5.7	6.3	3.3	7.7	4.3	7.3	5.4
ACCENT II (JR-119)	4.0	6.0	4.0	6.0	5.7	4.7	6.0	3.0	5.7	5.7	4.7	7.7	4.0	7.7	5.3
D04-LP05	4.7	6.3	4.7	5.3	5.7	3.7	6.0	3.0	5.7	6.3	3.7	7.0	5.0	7.7	5.3
FIREBOLT (PRG HS-01-09)	3.7	6.3	3.7	6.0	5.0	4.7	7.0	2.0	5.3	6.0	3.3	9.0	5.0	7.7	5.3
PINNACLE	4.7	5.3	6.0	3.0	8.0	4.0	5.3	3.3	7.7	3.7	4.3	5.3	5.0	9.0	5.3
PREMIER	5.0	6.3	6.7	3.0	6.7	4.0	5.0	3.3	7.7	4.0	4.0	5.3	5.0	8.7	5.3
STELLAR GL (IS-PR 236)	4.7	6.3	3.3	6.3	5.0	4.0	7.0	2.3	5.0	5.7	3.3	8.7	4.7	8.3	5.3
PST-217	4.3	5.0	4.7	6.0	5.7	5.3	6.3	2.7	5.3	6.0	3.7	7.7	4.0	8.0	5.3
REGAL 5 (IS-PR 271)	5.3	6.3	4.7	6.3	4.7	4.0	7.0	2.7	5.7	6.0	3.3	7.3	4.0	7.3	5.3
AFFINITY	5.0	5.3	6.0	3.7	8.0	4.3	5.3	2.3	6.7	5.0	4.3	5.7	4.3	8.3	5.3
DELAWARE XL (PICK 01-2)	4.3	6.3	4.0	6.0	4.7	4.0	6.3	2.0	6.0	6.0	2.7	8.7	5.0	8.3	5.3
GOALKEEPER II (JR-114)	4.3	6.0	4.3	6.3	5.0	5.0	6.7	2.7	5.7	6.3	2.7	8.0	3.3	8.0	5.3
SUNSHINE 2	4.3	6.0	3.0	6.7	4.3	4.0	7.0	2.3	5.0	6.7	4.0	8.7	5.0	7.3	5.3
BRIGHTSTAR SLT	4.3	6.0	4.7	6.0	5.3	4.7	6.3	2.3	6.0	6.0	3.0	7.3	3.3	8.3	5.3
PS-2	4.7	5.7	4.0	6.0	5.0	4.7	6.3	2.0	5.7	6.7	2.3	8.0	4.7	8.0	5.3
MONTEREY 3 (JR-408)	4.0	5.7	3.7	6.0	4.7	5.0	6.0	2.3	6.0	6.7	3.0	8.0	4.7	7.7	5.2
LPR 02203	5.3	5.7	5.7	4.0	7.0	4.3	4.7	3.3	6.0	4.7	4.3	5.7	4.3	8.3	5.2
PST-2LAN	4.7	6.0	4.0	5.3	5.0	4.3	6.0	2.3	6.0	6.3	3.7	6.7	4.3	8.0	5.2
PENTIUM	3.7	5.7	4.0	4.7	5.7	4.3	5.3	2.7	6.0	6.0	4.0	6.7	5.0	8.7	5.2
PST-2BLK	4.0	5.0	2.7	6.7	5.3	5.0	6.3	2.3	5.0	6.3	4.0	7.0	4.0	7.7	5.1
GRAY STAR (PST-2LGL)	5.0	5.3	4.0	5.7	4.7	4.3	6.7	2.0	5.0	6.0	3.7	7.7	3.7	7.3	5.1
QUICKSILVER	5.0	5.0	3.0	6.7	4.0	4.7	6.3	2.3	4.7	5.7	3.3	7.7	3.3	7.7	5.0
LINN	3.7	5.3	6.0	2.7	6.5	3.7	4.3	2.0	4.3	2.0	3.0	4.0	2.3	8.3	4.2
LSD VALUE	1.5	1.1	1.1	1.0	1.1	1.3	1.0	0.9	1.0	1.2	1.5	1.0	1.3	1.0	0.3
C.V. (%)	20.4	10.7	15.3	10.6	12.9	17.6	9.6	20.8	10.4	12.6	24.8	7.8	16.3	7.5	13.1

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 15. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	IA1	MI1	QE1	WA1	MEAN
ALL*STAR 3 (IS-PR 274)	6.7	7.0	7.0	6.0	6.7
CADDIESHACK II (JR-163)	6.7	6.3	7.3	6.0	6.6
MONTEREY 3 (JR-408)	7.3	6.0	7.0	6.0	6.6
PANTHER	7.0	6.0	7.3	6.0	6.6
D04-1667	7.0	6.0	7.0	6.0	6.5
FIREBOLT (PRG HS-01-09)	7.7	5.3	7.0	6.0	6.5
APR 1648	7.0	5.7	7.0	6.0	6.4
TOP GUN II (JR-324)	7.0	5.7	7.0	6.0	6.4
ASP6004 (EXS54)	6.3	6.0	7.3	6.0	6.4
ASP6003 (TRS)	6.7	5.3	7.3	6.0	6.3
DCM	6.3	5.7	7.3	6.0	6.3
DERBY XTREME (IS-PR 268)	6.3	6.0	7.0	6.0	6.3
DP 17-9788	6.3	5.7	7.3	6.0	6.3
BAR LP 4317	6.3	5.7	7.0	6.0	6.3
BAR LP 4920	5.7	6.3	7.0	6.0	6.3
D04-11T	6.0	6.0	7.0	6.0	6.3
PARAGON GLR	5.3	6.3	7.3	6.0	6.3
SUNSHINE 2	6.7	5.3	7.0	6.0	6.3
BAR LP 4420	5.0	6.7	7.0	6.0	6.2
DASHER 3 (PICK RB-1)	6.0	5.7	7.0	6.0	6.2
KEYSTONE 2 (IS-PR 312)	5.7	6.0	7.3	5.7	6.2
REGAL 5 (IS-PR 271)	5.7	5.7	7.3	6.0	6.2
AMAZING GS (IS-PR 276)	5.3	6.3	7.0	6.0	6.2
EDGE II (AC2)	5.3	6.0	7.3	6.0	6.2
HARRIER (SRX 4UP3)	5.3	6.3	7.0	6.0	6.2
BUENA VISTA	5.7	5.7	7.0	6.0	6.1
DP1	5.7	5.7	7.0	6.0	6.1
OVERDRIVE	5.7	5.7	7.0	6.0	6.1
04-BRE	6.0	5.0	7.3	6.0	6.1
ASP6006 (LPFG)	5.3	6.0	7.0	6.0	6.1
ATTRIBUTE (IS-PR 270)	5.3	6.0	7.0	6.0	6.1
D04-UP	5.3	5.7	7.3	6.0	6.1
GRAND SLAM 2 (PST-2GSM)	5.3	6.0	7.0	6.0	6.1
HOMERUN (RG3P)	6.3	5.0	7.0	6.0	6.1
PALMER IV	5.0	6.3	7.0	6.0	6.1
PICK 02-R	5.0	6.0	7.0	6.3	6.1
PREMIER II	6.0	5.3	7.0	6.0	6.1
ACCENT II (JR-119)	6.3	5.0	7.0	5.7	6.0
DP 17-9499	5.0	5.7	7.3	6.0	6.0
GALATTI (DP 17-9502)	6.0	5.0	7.0	6.0	6.0
GL-2	4.3	6.3	7.3	6.0	6.0
GOALKEEPER II (JR-114)	6.7	4.3	7.0	6.0	6.0
RAD-PR8	5.7	6.0	7.0	5.3	6.0
SECRETARIAT II GLSR (LTP-101-GLSR)	5.7	5.3	7.3	5.7	6.0
VB77	6.3	4.7	7.0	6.0	6.0

TABLE 15. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

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

NAME	IA1	MI1	QE1	WA1	MEAN
ZOOM (LCK)	6.0	5.0	7.0	6.0	6.0
PRESIDIO (CNV)	5.3	5.3	7.0	6.3	6.0
AF	5.0	5.7	7.0	6.0	5.9
ES45	6.0	4.7	7.0	6.0	5.9
FIESTA 4 (PICK F4)	5.0	5.7	7.0	6.0	5.9
HEADSTART 2	5.7	4.7	7.3	6.0	5.9
LPR 02203	6.3	5.0	6.7	5.7	5.9
PALACE (IS-PR 273)	5.7	5.0	7.0	6.0	5.9
QUICKSILVER	5.3	5.7	7.0	5.7	5.9
SR 4600 (SRX 4SP)	5.0	5.7	7.0	6.0	5.9
04-BEN	4.3	6.3	7.0	6.0	5.9
E-99	5.3	5.3	7.0	6.0	5.9
NEXUS XD (SP4)	5.3	5.0	7.0	6.3	5.9
PIZZAZZ	4.3	6.0	7.0	6.3	5.9
TR47	5.3	5.0	7.3	6.0	5.9
APPLE GL (AAZ-B104)	3.7	6.7	7.0	6.0	5.8
CITATION FORE	4.7	5.7	7.0	6.0	5.8
DART (APR 1663)	4.7	5.7	7.0	6.0	5.8
PS-2	4.7	6.0	7.0	5.7	5.8
STELLAR GL (IS-PR 236)	4.7	6.0	7.0	5.7	5.8
ASP6001 (RTS)	6.0	4.3	7.0	6.0	5.8
ASP6002 (BPR)	5.3	5.3	7.0	5.7	5.8
CABO II (IS-PR 233)	5.0	5.3	7.0	6.0	5.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0	5.0	7.3	6.0	5.8
EXACTA II GLSR (LTP-611-GLSR)	5.3	5.0	7.0	6.0	5.8
INSPIRE	5.3	5.0	7.0	6.0	5.8
NEXUS XR (SNR)	5.0	5.3	7.0	6.0	5.8
REPELL GLS	5.3	5.0	7.0	6.0	5.8
RNS	5.3	5.0	7.0	6.0	5.8
VB99	5.0	5.3	7.0	6.0	5.8
1G SQUARED (APR 1664)	4.0	6.0	7.0	6.0	5.8
ASP6005 (AJM)	5.3	4.7	7.0	6.0	5.8
BARLENNIUM	5.3	4.7	7.0	6.0	5.8
BRIGHTSTAR SLT	4.7	5.3	7.0	6.0	5.8
FUSION	5.0	5.0	7.0	6.0	5.8
GPR	5.3	4.7	7.3	5.7	5.8
HALO (KN42)	5.0	5.0	7.0	6.0	5.8
LA QUINTA (JR-255)	4.7	5.3	7.0	6.0	5.8
LINE DRIVE GLS (APR 1797)	4.0	6.0	7.0	6.0	5.8
MMW	5.3	4.7	7.0	6.0	5.8
PALMER III	4.7	5.3	7.0	6.0	5.8
PANTHER GLS	5.0	5.0	7.0	6.0	5.8
PENTIUM	4.3	5.7	7.0	6.0	5.8
PINNACLE II	5.0	4.7	7.0	6.3	5.8
PRIMARY (IS-PR 269)	4.3	6.0	7.0	5.7	5.8
PROTEGE GLR	4.3	5.0	7.7	6.0	5.8

TABLE 15. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

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

NAME	IA1	MI1	QE1	WA1	MEAN
AFFINITY	4.0	5.7	7.0	6.0	5.7
CUTTER II (PM 101)	5.3	4.7	7.0	5.7	5.7
GRAY STAR (PST-2LGL)	4.7	5.0	7.0	6.0	5.7
KOKOMO II (IS-PR 235)	4.7	5.3	7.0	5.7	5.7
PREMIER	4.3	5.3	7.3	5.7	5.7
PST-217	4.7	5.0	7.0	6.0	5.7
WIND DANCE 2 (PWDR)	5.7	4.3	7.0	5.7	5.7
MACH I	4.7	4.7	7.0	6.0	5.6
PHENOM (APR 1660)	4.0	5.7	7.0	5.7	5.6
PST-2AG4	5.0	4.7	7.0	5.7	5.6
CALYPSO 3 (MS2)	5.0	4.3	7.0	6.0	5.6
DELAWARE XL (PICK 01-2)	5.3	4.3	7.0	5.7	5.6
MANHATTAN 5 GLR (PST-2AM)	5.3	4.3	7.0	5.7	5.6
APR 1670	5.0	4.0	7.0	6.0	5.5
D04-LP05	4.0	5.0	7.0	6.0	5.5
PLEASURE SUPREME (PM 103)	5.0	4.0	7.0	6.0	5.5
PM 102	5.0	4.0	7.0	6.0	5.5
PST-2LAN	4.0	5.0	7.0	5.7	5.4
PST-2MNG	4.0	4.7	7.0	6.0	5.4
L44	3.7	5.0	7.0	6.0	5.4
PINNACLE	5.3	4.3	7.0	5.0	5.4
REVENGE GLX (JR-348)	3.7	4.3	7.3	6.3	5.4
SRX 4692	4.0	4.7	6.7	6.0	5.3
PST-2BLK	4.0	4.3	7.0	6.0	5.3
SILVER DOLLAR	3.0	4.7	7.0	6.0	5.2
PIANIST (DP 17-9505)	4.0	3.7	7.0	6.0	5.2
SRX 4682	4.0	3.7	7.0	5.7	5.1
LINN	6.7	3.0	6.7	3.7	5.0
LSD VALUE	1.8	1.7	0.5	0.5	0.6
C.V. (%)	21.0	19.9	4.0	4.7	13.4

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

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

TABLE 16.

SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	MI1	NE1	QE1	MEAN	NAME	MI1	NE1	QE1	MEAN
DASHER 3 (PICK RB-1)	7.3	8.7	7.3	7.8	04-BEN	5.3	8.3	6.7	6.8
PLEASURE SUPREME (PM 103)	7.0	9.0	7.0	7.7	ASP6005 (AJM)	5.0	8.3	7.0	6.8
AF	7.3	8.3	7.0	7.6	BAR LP 4317	5.3	8.3	6.7	6.8
D04-11T	7.3	8.3	7.0	7.6	DP 17-9788	5.0	8.3	7.0	6.8
D04-UP	7.3	8.3	6.7	7.4	EXACTA II GLSR (LTP-611-GLSR)	5.3	8.3	6.7	6.8
HOMERUN (RG3P)	6.7	8.7	7.0	7.4	KOKOMO II (IS-PR 235)	5.7	7.7	7.0	6.8
MACH I	6.7	8.7	7.0	7.4	PANTHER GLS	5.0	8.3	7.0	6.8
APPLE GL (AAZ-B104)	7.0	8.0	7.0	7.3	PRESIDIO (CNV)	5.0	8.3	7.0	6.8
DERBY XTREME (IS-PR 268)	6.3	9.0	6.7	7.3	AMAZING GS (IS-PR 276)	6.3	7.3	6.7	6.8
GL-2	6.7	8.3	7.0	7.3	ASP6001 (RTS)	4.7	8.7	7.0	6.8
PIZZAZZ	7.0	8.3	6.7	7.3	BAR LP 4920	5.7	8.3	6.3	6.8
DCM	7.0	8.0	6.7	7.2	E-99	4.3	9.0	7.0	6.8
KEYSTONE 2 (IS-PR 312)	7.0	8.0	6.7	7.2	GOALKEEPER II (JR-114)	5.3	8.0	7.0	6.8
PARAGON GLR	6.3	8.3	7.0	7.2	WIND DANCE 2 (PWDR)	5.3	8.0	7.0	6.8
PST-2LAN	6.3	8.3	7.0	7.2	ACCENT II (JR-119)	4.3	8.7	7.0	6.7
SR 4600 (SRX 4SP)	6.7	7.7	7.3	7.2	CABO II (IS-PR 233)	5.3	8.0	6.7	6.7
ZOOM (LCK)	6.0	8.3	7.3	7.2	CALYPSO 3 (MS2)	4.7	8.0	7.3	6.7
PINNACLE II	5.3	9.0	7.3	7.2	D04-1667	5.0	8.3	6.7	6.7
RAD-PR8	6.0	8.3	7.0	7.1	DP 17-9499	4.7	8.7	6.7	6.7
RNS	6.0	8.3	7.0	7.1	FIESTA 4 (PICK F4)	5.0	8.3	6.7	6.7
STELLAR GL (IS-PR 236)	6.7	8.0	6.7	7.1	FIREBOLT (PRG HS-01-09)	5.3	8.3	6.3	6.7
EDGE II (AC2)	6.3	8.0	7.0	7.1	PALMER IV	5.0	8.0	7.0	6.7
APR 1648	6.0	8.0	7.0	7.0	PHENOM (APR 1660)	5.0	8.3	6.7	6.7
BAR LP 4420	6.0	8.3	6.7	7.0	PROTEGE GLR	5.3	8.3	6.3	6.7
BUENA VISTA	5.7	8.0	7.3	7.0	REVENGE GLX (JR-348)	5.3	8.3	6.3	6.7
CUTTER II (PM 101)	6.0	8.3	6.7	7.0	GPR	5.7	7.7	6.3	6.6
GRAY STAR (PST-2LGL)	6.3	7.7	7.0	7.0	INSPIRE	4.7	8.3	6.7	6.6
HEADSTART 2	6.7	7.7	6.7	7.0	MANHATTAN 5 GLR (PST-2AM)	5.0	7.7	7.0	6.6
MMW	4.7	9.0	7.3	7.0	PST-217	5.7	7.7	6.3	6.6
PICK 02-R	5.3	8.7	7.0	7.0	REGAL 5 (IS-PR 271)	5.3	7.7	6.7	6.6
PRIMARY (IS-PR 269)	6.0	8.0	7.0	7.0	REPELL GLS	5.0	8.0	6.7	6.6
PST-2MNG	5.7	8.7	6.7	7.0	SUNSHINE 2	4.7	7.7	7.3	6.6
SECRETARIAT II GLSR (LTP-101-GLSR)	6.3	8.0	6.7	7.0	TR47	4.7	8.0	7.0	6.6
1G SQUARED (APR 1664)	6.0	8.3	6.3	6.9	FUSION	5.3	7.3	7.0	6.6
ALL*STAR 3 (IS-PR 274)	6.3	7.7	6.7	6.9	ASP6003 (TRS)	4.7	8.0	6.7	6.4
ASP6004 (EXS54)	5.3	8.3	7.0	6.9	BRIGHTSTAR SLT	4.7	7.7	7.0	6.4
ASP6006 (LPFG)	6.3	7.7	6.7	6.9	L44	5.0	7.7	6.7	6.4
ATTRIBUTE (IS-PR 270)	5.3	8.3	7.0	6.9	QUICKSILVER	4.7	8.0	6.7	6.4
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.3	8.3	7.0	6.9	DELAWARE XL (PICK 01-2)	4.7	8.3	6.3	6.4
DP1	6.0	8.0	6.7	6.9	GALATTI (DP 17-9502)	5.3	7.3	6.7	6.4
HARRIER (SRX 4UP3)	5.7	8.0	7.0	6.9	NEXUS XR (SNR)	4.0	8.0	7.3	6.4
VB99	5.7	8.0	7.0	6.9	PIANIST (DP 17-9505)	4.7	8.3	6.3	6.4
DART (APR 1663)	6.0	8.7	6.0	6.9	VB77	4.0	8.7	6.7	6.4
OVERDRIVE	5.0	8.7	7.0	6.9	D04-LP05	5.0	7.3	6.7	6.3
SILVER DOLLAR	5.3	8.3	6.7	6.8	GRAND SLAM 2 (PST-2GSM)	4.0	8.0	7.0	6.3
					LINE DRIVE GLS (APR 1797)	4.7	8.0	6.3	6.3



TABLE 16. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			MEAN
	MI1	NE1	QE1	
PALMER III	4.0	8.7	6.3	6.3
PS-2	4.7	8.3	6.0	6.3
PST-2AG4	4.0	8.0	7.0	6.3
TOP GUN II (JR-324)	4.7	8.0	6.3	6.3
O4-BRE	4.0	7.7	7.0	6.2
ASP6002 (BPR)	4.7	7.7	6.3	6.2
CADDIESHACK II (JR-163)	4.0	8.0	6.7	6.2
HALO (KN42)	4.0	7.7	7.0	6.2
LA QUINTA (JR-255)	4.0	7.7	7.0	6.2
PM 102	4.7	7.7	6.3	6.2
PREMIER II	3.7	8.3	6.7	6.2
NEXUS XD (SP4)	3.7	8.0	7.0	6.2
MONTEREY 3 (JR-408)	4.0	7.7	6.7	6.1
PANTHER	3.3	8.3	6.7	6.1
APR 1670	4.3	7.7	6.3	6.1
BARLENNIUM	3.7	8.0	6.7	6.1
PENTIUM	4.3	7.7	6.3	6.1
PST-2BLK	4.7	7.3	6.3	6.1
CITATION FORE	3.3	8.0	6.7	6.0
PALACE (IS-PR 273)	4.0	7.7	6.3	6.0
AFFINITY	3.0	7.7	6.7	5.8
LPR 02203	2.0	8.3	7.0	5.8
ES45	3.0	7.7	6.3	5.7
SRX 4682	3.0	7.3	6.3	5.6
SRX 4692	2.7	7.3	6.0	5.3
PREMIER	2.0	7.0	6.7	5.2
PINNACLE	2.0	6.3	6.0	4.8
LINN	2.0	4.7	5.3	4.0
LSD VALUE	2.0	1.2	0.8	0.8
C.V. (%)	24.7	9.1	7.6	13.5

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

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

TABLE 17.

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	MI1	NE1	QE1	MEAN	NAME	MI1	NE1	QE1	MEAN
HOMERUN (RG3P)	7.7	9.0	6.0	7.6	OVERDRIVE	6.7	8.7	6.0	7.1
MMW	7.3	9.0	6.3	7.6	PRIMARY (IS-PR 269)	7.3	8.0	6.0	7.1
DP 17-9788	7.0	8.7	6.7	7.4	PROTEGE GLR	7.3	8.0	6.0	7.1
PS-2	7.3	8.7	6.3	7.4	PST-217	7.0	8.0	6.3	7.1
1G SQUARED (APR 1664)	7.0	8.7	6.3	7.3	REGAL 5 (IS-PR 271)	7.3	8.0	6.0	7.1
APPLE GL (AAZ-B104)	7.7	8.0	6.3	7.3	SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	8.0	6.0	7.1
BUENA VISTA	7.0	8.7	6.3	7.3	ACCENT II (JR-119)	6.7	8.3	6.0	7.0
CUTTER II (PM 101)	7.0	8.7	6.3	7.3	APR 1648	6.7	8.3	6.0	7.0
DCM	7.3	8.7	6.0	7.3	APR 1670	7.0	8.0	6.0	7.0
DP 17-9499	7.0	8.7	6.3	7.3	ASP6003 (TRS)	6.7	8.3	6.0	7.0
DP1	7.7	8.3	6.0	7.3	ATTRIBUTE (IS-PR 270)	6.7	8.3	6.0	7.0
EXACTA II GLSR (LTP-611-GLSR)	7.0	8.7	6.3	7.3	BAR LP 4920	7.0	8.0	6.0	7.0
GL-2	7.3	8.7	6.0	7.3	CALYPSO 3 (MS2)	7.3	7.7	6.0	7.0
PHENOM (APR 1660)	7.3	8.3	6.3	7.3	DO4-UP	6.7	8.3	6.0	7.0
PIZZAZZ	7.3	8.3	6.3	7.3	DELAWARE XL (PICK 01-2)	7.0	8.0	6.0	7.0
PST-2MNG	7.0	8.7	6.3	7.3	DERBY XTREME (IS-PR 268)	7.0	8.0	6.0	7.0
AFFINITY	6.7	8.3	6.7	7.2	GOALKEEPER II (JR-114)	7.0	8.0	6.0	7.0
ASP6005 (AJM)	7.3	8.3	6.0	7.2	GPR	7.0	8.3	5.7	7.0
BAR LP 4317	6.7	8.3	6.7	7.2	PLEASURE SUPREME (PM 103)	7.0	8.0	6.0	7.0
DO4-11T	7.3	8.3	6.0	7.2	PREMIER II	7.0	8.0	6.0	7.0
MANHATTAN 5 GLR (PST-2AM)	7.3	8.3	6.0	7.2	SR 4600 (SRX 4SP)	7.0	8.0	6.0	7.0
PINNACLE II	7.3	8.3	6.0	7.2	TOP GUN II (JR-324)	7.0	8.0	6.0	7.0
SRX 4682	6.7	8.3	6.7	7.2	SILVER DOLLAR	6.7	7.7	6.3	6.9
MACH I	6.3	9.0	6.3	7.2	AF	7.0	7.7	6.0	6.9
PANTHER GLS	7.0	8.7	6.0	7.2	ASP6001 (RTS)	7.0	7.7	6.0	6.9
PREMIER	7.3	8.0	6.3	7.2	ASP6002 (BPR)	7.0	7.7	6.0	6.9
PRESIDIO (CNV)	6.7	8.7	6.3	7.2	ASP6004 (EXS54)	6.7	8.0	6.0	6.9
REVENGE GLX (JR-348)	7.0	8.7	6.0	7.2	ASP6006 (LPFG)	6.7	8.0	6.0	6.9
CADDIESHACK II (JR-163)	7.0	8.3	6.0	7.1	BARLENNIUM	6.3	7.7	6.7	6.9
DART (APR 1663)	7.0	8.3	6.0	7.1	ES45	7.0	8.0	5.7	6.9
E-99	7.0	8.3	6.0	7.1	FUSION	7.0	8.0	5.7	6.9
GRAY STAR (PST-2LGL)	7.0	7.7	6.7	7.1	GRAND SLAM 2 (PST-2GSM)	7.0	7.7	6.0	6.9
LINE DRIVE GLS (APR 1797)	7.7	7.7	6.0	7.1	HARRIER (SRX 4UP3)	6.7	7.7	6.3	6.9
PALMER III	7.0	8.3	6.0	7.1	HEADSTART 2	7.0	7.7	6.0	6.9
PANTHER	7.0	8.3	6.0	7.1	INSPIRE	6.3	8.3	6.0	6.9
PARAGON GLR	7.7	7.7	6.0	7.1	KEYSTONE 2 (IS-PR 312)	7.0	7.7	6.0	6.9
RNS	7.0	8.3	6.0	7.1	MONTEREY 3 (JR-408)	6.7	8.0	6.0	6.9
TR47	7.0	8.3	6.0	7.1	PINNACLE	7.0	7.7	6.0	6.9
ALL*STAR 3 (IS-PR 274)	7.0	8.0	6.3	7.1	PM 102	7.0	7.7	6.0	6.9
CABO II (IS-PR 233)	7.3	7.7	6.3	7.1	PST-2AG4	7.0	7.7	6.0	6.9
CITATION FORE	6.7	8.7	6.0	7.1	RAD-PR8	7.0	7.7	6.0	6.9
DO4-LPO5	7.0	8.0	6.3	7.1	REPELL GLS	6.7	8.0	6.0	6.9
DASHER 3 (PICK RB-1)	7.0	8.7	5.7	7.1	VB99	6.7	8.0	6.0	6.9
FIESTA 4 (PICK F4)	7.0	8.0	6.3	7.1	ZOOM (LCK)	6.7	8.0	6.0	6.9
KOKOMO II (IS-PR 235)	7.3	8.0	6.0	7.1	BRIGHTSTAR SLT	7.3	7.3	6.0	6.9
					L44	7.3	7.3	6.0	6.9

TABLE 17. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			MEAN
	MI1	NE1	QE1	
PST-2BLK	6.3	8.0	6.3	6.9
STELLAR GL (IS-PR 236)	7.3	7.3	6.0	6.9
SUNSHINE 2	7.3	7.3	6.0	6.9
04-BRE	6.7	7.7	6.0	6.8
BAR LP 4420	6.7	7.7	6.0	6.8
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.7	7.7	6.0	6.8
FIREBOLT (PRG HS-01-09)	7.0	7.7	5.7	6.8
HALO (KN42)	6.7	7.7	6.0	6.8
LA QUINTA (JR-255)	6.7	7.7	6.0	6.8
NEXUS XR (SNR)	6.7	7.7	6.0	6.8
PIANIST (DP 17-9505)	6.7	7.7	6.0	6.8
SRX 4692	6.7	7.7	6.0	6.8
VB77	6.7	7.7	6.0	6.8
WIND DANCE 2 (PWDR)	6.7	7.7	6.0	6.8
D04-1667	6.3	8.0	6.0	6.8
EDGE II (AC2)	7.0	7.3	6.0	6.8
GALATTI (DP 17-9502)	7.0	7.3	6.0	6.8
04-BEN	7.3	6.7	6.0	6.7
AMAZING GS (IS-PR 276)	7.0	7.0	6.0	6.7
NEXUS XD (SP4)	7.0	6.7	6.3	6.7
PALMER IV	7.3	6.7	6.0	6.7
PENTIUM	6.3	7.7	6.0	6.7
PST-2LAN	6.7	7.3	6.0	6.7
QUICKSILVER	6.7	7.3	6.0	6.7
PICK 02-R	7.0	7.3	5.3	6.6
LPR 02203	5.7	8.0	5.7	6.4
PALACE (IS-PR 273)	6.3	7.0	6.0	6.4
LINN	4.7	6.3	5.3	5.4
LSD VALUE	0.9	1.3	0.5	0.6
C.V. (%)	8.3	10.3	5.3	8.7

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

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

TABLE 18.

FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	MI1	NE1	QE1	MEAN	NAME	MI1	NE1	QE1	MEAN
1G SQUARED (APR 1664)	7.0	8.7	6.7	7.4	E-99	5.3	9.0	6.0	6.8
DASHER 3 (PICK RB-1)	7.0	9.0	6.0	7.3	PALMER IV	6.3	8.0	6.0	6.8
DCM	7.0	8.7	6.3	7.3	PINNACLE II	5.3	9.0	6.0	6.8
DP1	6.7	9.0	6.3	7.3	PRESIDIO (CNV)	5.7	8.7	6.0	6.8
D04-11T	6.7	9.0	6.0	7.2	ASP6005 (AJM)	5.3	8.7	6.0	6.7
D04-UP	6.7	9.0	6.0	7.2	BARLENNIUM	5.3	8.3	6.3	6.7
EXACTA II GLSR (LTP-611-GLSR)	6.7	9.0	6.0	7.2	CABO II (IS-PR 233)	5.7	8.3	6.0	6.7
APPLE GL (AAZ-B104)	7.0	8.7	6.0	7.2	CALYPSO 3 (MS2)	5.7	8.3	6.0	6.7
DERBY XTREME (IS-PR 268)	7.0	8.7	6.0	7.2	EDGE II (AC2)	6.0	8.0	6.0	6.7
FUSION	7.0	8.7	6.0	7.2	ES45	5.3	8.7	6.0	6.7
KEYSTONE 2 (IS-PR 312)	6.7	8.7	6.3	7.2	HEADSTART 2	5.3	8.7	6.0	6.7
PARAGON GLR	7.0	8.3	6.0	7.1	LINE DRIVE GLS (APR 1797)	5.3	8.7	6.0	6.7
AMAZING GS (IS-PR 276)	6.7	8.3	6.3	7.1	MANHATTAN 5 GLR (PST-2AM)	5.3	8.3	6.3	6.7
DART (APR 1663)	6.3	9.0	6.0	7.1	PST-2LAN	5.3	8.7	6.0	6.7
FIESTA 4 (PICK F4)	6.7	8.7	6.0	7.1	TOP GUN II (JR-324)	5.3	8.7	6.0	6.7
KOKOMO II (IS-PR 235)	6.7	8.7	6.0	7.1	TR47	5.3	8.7	6.0	6.7
PLEASURE SUPREME (PM 103)	6.3	9.0	6.0	7.1	VB99	5.7	8.3	6.0	6.7
ATTRIBUTE (IS-PR 270)	6.3	8.7	6.0	7.0	ASP6002 (BPR)	5.7	8.0	6.0	6.6
CHARISMATIC II GLSR (LTP-PG-GLSR)	6.0	9.0	6.0	7.0	ASP6003 (TRS)	5.7	8.0	6.0	6.6
GRAND SLAM 2 (PST-2GSM)	6.3	8.7	6.0	7.0	ASP6006 (LPFG)	5.7	8.0	6.0	6.6
MMW	6.0	9.0	6.0	7.0	FIREBOLT (PRG HS-01-09)	5.3	8.3	6.0	6.6
PIZZAZZ	6.7	8.3	6.0	7.0	GRAY STAR (PST-2LGL)	5.3	8.3	6.0	6.6
PRIMARY (IS-PR 269)	6.3	8.7	6.0	7.0	HOMERUN (RG3P)	5.3	8.3	6.0	6.6
PROTEGE GLR	6.7	8.3	6.0	7.0	SILVER DOLLAR	5.0	8.7	6.0	6.6
PS-2	6.0	9.0	6.0	7.0	ACCENT II (JR-119)	5.0	8.7	6.0	6.6
REVENGE GLX (JR-348)	6.3	8.7	6.0	7.0	APR 1648	4.7	8.7	6.3	6.6
SR 4600 (SRX 4SP)	7.0	8.0	6.0	7.0	ASP6001 (RTS)	5.0	8.7	6.0	6.6
BRIGHTSTAR SLT	6.3	8.3	6.0	6.9	CITATION FORE	5.0	8.7	6.0	6.6
OVERDRIVE	5.7	9.0	6.0	6.9	PHENOM (APR 1660)	5.0	8.7	6.0	6.6
PALACE (IS-PR 273)	6.7	8.0	6.0	6.9	VB77	5.0	8.3	6.0	6.4
PST-217	6.3	8.3	6.0	6.9	04-BEN	4.7	8.7	6.0	6.4
REGAL 5 (IS-PR 271)	6.7	8.0	6.0	6.9	BAR LP 4420	4.7	8.7	6.0	6.4
RNS	6.0	8.0	6.7	6.9	BAR LP 4920	4.7	8.7	6.0	6.4
STELLAR GL (IS-PR 236)	6.3	8.3	6.0	6.9	D04-1667	4.3	8.7	6.3	6.4
ZOOM (LCK)	6.3	8.3	6.0	6.9	DELAWARE XL (PICK 01-2)	4.7	8.7	6.0	6.4
GL-2	5.7	8.7	6.3	6.9	GALATTI (DP 17-9502)	5.3	8.0	6.0	6.4
HARRIER (SRX 4UP3)	6.3	8.0	6.3	6.9	SECRETARIAT II GLSR (LTP-101-GLSR)	4.7	8.7	6.0	6.4
MACH I	6.0	8.7	6.0	6.9	SRX 4692	5.3	8.0	6.0	6.4
PM 102	6.0	8.3	6.0	6.8	SUNSHINE 2	5.3	8.0	6.0	6.4
AF	5.7	8.7	6.0	6.8	04-BRE	4.7	8.7	5.7	6.3
ALL*STAR 3 (IS-PR 274)	6.3	8.0	6.0	6.8	GOALKEEPER II (JR-114)	4.7	8.3	6.0	6.3
ASP6004 (EXS54)	5.7	8.7	6.0	6.8	INSPIRE	4.3	8.7	6.0	6.3
BUENA VISTA	5.7	8.7	6.0	6.8	L44	5.3	8.0	5.7	6.3
CUTTER II (PM 101)	5.7	8.7	6.0	6.8	LA QUINTA (JR-255)	4.7	8.0	6.3	6.3
DP 17-9499	5.7	8.7	6.0	6.8	NEXUS XD (SP4)	5.0	8.0	6.0	6.3
					PIANIST (DP 17-9505)	4.3	8.7	6.0	6.3

TABLE 18. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

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

NAME	MI1	NE1	QE1	MEAN
PICK 02-R	5.0	8.0	6.0	6.3
PST-2MNG	4.3	8.3	6.3	6.3
RAD-PR8	5.0	8.0	6.0	6.3
REPELL GLS	4.3	8.7	6.0	6.3
WIND DANCE 2 (PWDR)	4.7	8.3	6.0	6.3
GPR	4.7	8.3	5.7	6.2
MONTEREY 3 (JR-408)	4.7	8.0	6.0	6.2
PST-2AG4	4.3	8.3	6.0	6.2
PANTHER GLS	4.0	8.7	6.0	6.2
CADDIESHACK II (JR-163)	4.0	8.3	6.0	6.1
HALO (KN42)	4.7	7.7	6.0	6.1
NEXUS XR (SNR)	4.0	8.3	6.0	6.1
PANTHER	4.0	8.3	6.0	6.1
PREMIER II	4.3	8.3	5.7	6.1
PST-2BLK	4.0	8.3	6.0	6.1
APR 1670	3.7	8.7	6.0	6.1
D04-LP05	4.3	8.0	6.0	6.1
DP 17-9788	3.7	8.3	6.3	6.1
PALMER III	3.7	8.7	6.0	6.1
PENTIUM	3.7	8.3	6.0	6.0
LPR 02203	3.0	8.0	6.7	5.9
QUICKSILVER	4.0	7.7	6.0	5.9
BAR LP 4317	3.3	8.0	6.0	5.8
SRX 4682	3.3	8.0	6.0	5.8
AFFINITY	3.3	7.7	6.0	5.7
PREMIER	3.0	7.7	6.3	5.7
PINNACLE	3.0	7.0	6.0	5.3
LINN	3.0	6.0	5.3	4.8
LSD VALUE	1.8	1.0	0.4	0.7
C.V. (%)	20.7	7.3	4.4	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 19.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	MI1	ND1	MEAN	NAME	MI1	ND1	MEAN
PALMER IV	85.0	60.0	72.5	DCM	88.3	36.7	62.5
PARAGON GLR	91.7	53.3	72.5	HARRIER (SRX 4UP3)	85.0	40.0	62.5
HOMERUN (RG3P)	90.0	53.3	71.7	PREMIER	81.7	43.3	62.5
MACH I	91.7	51.7	71.7	PST-2MNG	81.7	43.3	62.5
REVENGE GLX (JR-348)	78.3	63.3	70.8	QUICKSILVER	81.7	43.3	62.5
DO4-1667	91.7	48.3	70.0	SR 4600 (SRX 4SP)	84.0	40.0	62.0
1G SQUARED (APR 1664)	88.3	50.0	69.2	PIZZAZZ	86.7	36.7	61.7
PINNACLE	88.3	50.0	69.2	04-BRE	78.3	45.0	61.7
AF	91.7	45.0	68.3	SUNSHINE 2	78.3	45.0	61.7
INSPIRE	86.7	50.0	68.3	DELAWARE XL (PICK 01-2)	71.7	50.0	60.8
APPLE GL (AAZ-B104)	93.3	43.3	68.3	E-99	86.7	35.0	60.8
BRIGHTSTAR SLT	78.3	58.3	68.3	LINE DRIVE GLS (APR 1797)	91.7	30.0	60.8
KEYSTONE 2 (IS-PR 312)	83.3	53.3	68.3	ASP6006 (LPFG)	83.3	38.3	60.8
AFFINITY	83.3	51.7	67.5	SILVER DOLLAR	80.0	40.0	60.0
ALL*STAR 3 (IS-PR 274)	91.7	43.3	67.5	DO4-LP05	75.0	45.0	60.0
GL-2	85.0	50.0	67.5	DP1	86.7	33.3	60.0
SECRETARIAT II GLSR (LTP-101-GLSR)	88.3	46.7	67.5	EXACTA II GLSR (LTP-611-GLSR)	78.3	41.7	60.0
ZOOM (LCK)	91.7	43.3	67.5	GOALKEEPER II (JR-114)	73.3	46.7	60.0
DO4-UP	91.7	41.7	66.7	04-BEN	81.7	36.7	59.2
GRAY STAR (PST-2LGL)	86.7	46.7	66.7	PINNACLE II	71.7	46.7	59.2
PRIMARY (IS-PR 269)	94.0	38.3	66.2	PLEASURE SUPREME (PM 103)	81.7	36.7	59.2
APR 1648	86.7	45.0	65.8	BAR LP 4317	83.3	35.0	59.2
ATTRIBUTE (IS-PR 270)	86.7	45.0	65.8	ASP6005 (AJM)	71.7	45.0	58.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	86.7	45.0	65.8	BARLENNIUM	81.7	35.0	58.3
HEADSTART 2	81.7	50.0	65.8	FUSION	81.7	35.0	58.3
AMAZING GS (IS-PR 276)	88.3	43.3	65.8	ASP6004 (EXS54)	78.3	38.3	58.3
PHENOM (APR 1660)	78.3	53.3	65.8	CITATION FORE	75.0	41.7	58.3
PST-217	80.0	51.7	65.8	PALACE (IS-PR 273)	83.3	33.3	58.3
DERBY XTREME (IS-PR 268)	95.7	35.0	65.3	ASP6003 (TRS)	76.7	38.3	57.5
BUENA VISTA	90.0	40.0	65.0	OVERDRIVE	76.7	38.3	57.5
DART (APR 1663)	93.3	36.7	65.0	VB77	75.0	40.0	57.5
GRAND SLAM 2 (PST-2GSM)	88.3	41.7	65.0	WIND DANCE 2 (PWDR)	68.3	46.7	57.5
MMW	86.7	43.3	65.0	PREMIER II	82.3	31.7	57.0
PANTHER	91.7	38.3	65.0	CALYPSO 3 (MS2)	78.3	35.0	56.7
PROTEGE GLR	81.7	48.3	65.0	GPR	73.3	40.0	56.7
ACCENT II (JR-119)	80.0	48.3	64.2	KOKOMO II (IS-PR 235)	80.0	31.7	55.8
GALATTI (DP 17-9502)	86.7	41.7	64.2	TOP GUN II (JR-324)	71.7	40.0	55.8
PENTIUM	86.7	41.7	64.2	VB99	71.7	40.0	55.8
STELLAR GL (IS-PR 236)	86.7	41.7	64.2	FIESTA 4 (PICK F4)	68.3	43.3	55.8
DASHER 3 (PICK RB-1)	88.3	40.0	64.2	RAD-PR8	75.0	36.7	55.8
MANHATTAN 5 GLR (PST-2AM)	86.7	40.0	63.3	REPELL GLS	78.3	33.3	55.8
RNS	86.7	40.0	63.3	BAR LP 4920	76.7	33.3	55.0
DO4-11T	88.3	38.3	63.3	CABO II (IS-PR 233)	86.7	23.3	55.0
PANTHER GLS	83.3	43.3	63.3	DP 17-9788	88.3	21.7	55.0
PST-2LAN	85.0	41.7	63.3	LPR 02203	73.3	36.7	55.0
TR47	70.0	56.7	63.3	PALMER III	73.3	36.7	55.0

TABLE 19. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	ND1	MEAN
PICK 02-R	66.7	43.3	55.0
PRESIDIO (CNV)	70.0	40.0	55.0
ASP6001 (RTS)	65.0	43.3	54.2
CADDIESHACK II (JR-163)	60.0	48.3	54.2
APR 1670	78.3	28.3	53.3
CUTTER II (PM 101)	76.7	28.3	52.5
ES45	66.7	38.3	52.5
NEXUS XR (SNR)	73.3	31.7	52.5
ASP6002 (BPR)	65.0	38.3	51.7
L44	63.3	40.0	51.7
PM 102	71.7	31.7	51.7
PST-2AG4	71.7	31.7	51.7
PS-2	80.0	23.3	51.7
MONTEREY 3 (JR-408)	68.3	33.3	50.8
LA QUINTA (JR-255)	65.0	35.0	50.0
BAR LP 4420	70.0	28.3	49.2
LINN	93.3	5.0	49.2
REGAL 5 (IS-PR 271)	75.0	23.3	49.2
EDGE II (AC2)	76.7	18.3	47.5
HALO (KN42)	63.3	30.0	46.7
FIREBOLT (PRG HS-01-09)	63.3	26.7	45.0
NEXUS XD (SP4)	60.0	30.0	45.0
DP 17-9499	70.0	18.3	44.2
PST-2BLK	60.0	28.3	44.2
PIANIST (DP 17-9505)	60.0	25.0	42.5
SRX 4682	63.3	20.0	41.7
SRX 4692	53.3	16.7	35.0
LSD VALUE	17.6	25.9	15.7
C.V. (%)	13.8	40.8	23.1

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

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

TABLE 20.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	KY1	MI1	OK1	MEAN	NAME	KY1	MI1	OK1	MEAN
LINE DRIVE GLS (APR 1797)	93.7	85.7	63.3	80.9	PST-217	76.7	81.7	51.7	70.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	83.3	93.3	65.0	80.6	BUENA VISTA	65.0	86.7	56.7	69.4
SECRETARIAT II GLSR (LTP-101-GLSR)	88.3	93.3	60.0	80.6	PLEASURE SUPREME (PM 103)	66.7	81.7	60.0	69.4
HARRIER (SRX 4UP3)	98.7	90.0	51.7	80.1	PST-2BLK	65.0	85.0	58.3	69.4
ZOOM (LCK)	86.7	94.0	56.7	79.1	DELAWARE XL (PICK 01-2)	48.3	93.3	65.0	68.9
PST-2LAN	79.0	90.7	66.7	78.8	MMW	95.0	50.0	61.7	68.9
AF	92.3	85.0	58.3	78.6	NEXUS XR (SNR)	66.7	88.3	51.7	68.9
PANTHER GLS	93.3	92.3	50.0	78.6	DART (APR 1663)	75.0	68.3	61.7	68.3
SILVER DOLLAR	93.7	83.3	58.3	78.4	PROTEGE GLR	84.0	85.0	35.0	68.0
SR 4600 (SRX 4SP)	93.0	91.7	50.0	78.2	DO4-11T	85.7	78.0	40.0	67.9
DO4-1667	88.3	89.0	56.7	78.0	1G SQUARED (APR 1664)	83.3	70.0	50.0	67.8
APPLE GL (AAZ-B104)	96.3	85.0	50.0	77.1	MONTEREY 3 (JR-408)	58.3	87.3	56.7	67.4
ATTRIBUTE (IS-PR 270)	96.0	91.7	43.3	77.0	FUSION	60.0	88.3	53.3	67.2
STELLAR GL (IS-PR 236)	94.3	95.0	41.7	77.0	PST-2MNG	86.0	55.7	60.0	67.2
DASHER 3 (PICK RB-1)	91.7	91.7	46.7	76.7	CITATION FORE	71.7	80.7	48.3	66.9
KEYSTONE 2 (IS-PR 312)	88.0	87.3	53.3	76.2	PRESIDIO (CNV)	60.0	85.7	53.3	66.3
DO4-UP	82.3	91.7	53.3	75.8	AFFINITY	45.0	81.7	71.7	66.1
CADDIESHACK II (JR-163)	68.3	90.0	68.3	75.6	PINNACLE	41.7	83.3	73.3	66.1
SRX 4692	88.3	88.3	48.3	75.0	REVENGE GLX (JR-348)	75.0	81.7	40.0	65.6
ACCENT II (JR-119)	71.7	89.0	63.3	74.7	DCM	75.0	69.0	50.0	64.7
ALL*STAR 3 (IS-PR 274)	89.0	88.3	46.7	74.7	REGAL 5 (IS-PR 271)	73.3	89.0	31.7	64.7
OVERDRIVE	72.3	90.0	61.7	74.7	VB99	58.3	90.0	45.0	64.4
FIESTA 4 (PICK F4)	91.0	89.0	43.3	74.4	PINNACLE II	61.7	78.3	51.7	63.9
GL-2	81.7	76.7	65.0	74.4	KOKOMO II (IS-PR 235)	83.0	66.7	41.7	63.8
RAD-PR8	75.0	85.0	63.3	74.4	MACH I	46.7	85.0	58.3	63.3
HOMERUN (RG3P)	81.7	94.7	46.7	74.3	PALMER III	51.7	75.0	63.3	63.3
MANHATTAN 5 GLR (PST-2AM)	93.7	74.0	55.0	74.2	LA QUINTA (JR-255)	50.0	88.3	51.7	63.3
DERBY XTREME (IS-PR 268)	88.0	88.3	45.0	73.8	EXACTA II GLSR (LTP-611-GLSR)	92.7	73.3	23.3	63.1
CABO II (IS-PR 233)	72.3	95.0	53.3	73.6	ASP6006 (LPFG)	53.3	80.0	55.0	62.8
SRX 4682	89.3	83.3	46.7	73.1	ES45	66.7	66.7	55.0	62.8
PARAGON GLR	89.7	89.0	40.0	72.9	PST-2AG4	68.3	58.3	61.7	62.8
QUICKSILVER	58.3	93.3	65.0	72.2	BRIGHTSTAR SLT	35.0	83.3	66.7	61.7
DP1	94.3	81.7	40.0	72.0	DO4-LP05	43.3	88.3	53.3	61.7
GRAND SLAM 2 (PST-2GSM)	82.7	78.3	55.0	72.0	HEADSTART 2	41.7	88.3	55.0	61.7
AMAZING GS (IS-PR 276)	87.7	90.7	36.7	71.7	ASP6001 (RTS)	56.7	80.7	46.7	61.3
EDGE II (AC2)	78.3	88.3	48.3	71.7	CALYPSO 3 (MS2)	60.0	78.3	45.0	61.1
PRIMARY (IS-PR 269)	87.3	94.0	33.3	71.6	GPR	60.0	68.3	55.0	61.1
ASP6005 (AJM)	64.0	81.7	68.3	71.3	BAR LP 4420	53.3	85.7	43.3	60.8
PALACE (IS-PR 273)	77.3	86.7	50.0	71.3	E-99	56.7	76.7	48.3	60.6
RNS	80.0	81.7	51.7	71.1	BAR LP 4317	58.3	81.7	41.7	60.6
APR 1670	92.7	80.0	40.0	70.9	ASP6004 (EXS54)	75.0	61.7	43.3	60.0
DP 17-9788	71.7	85.0	55.0	70.6	GALATTI (DP 17-9502)	40.0	90.0	50.0	60.0
GRAY STAR (PST-2LGL)	78.3	71.7	61.7	70.6	INSPIRE	48.3	91.7	40.0	60.0
PALMER IV	89.7	80.0	41.7	70.4	FIREBOLT (PRG HS-01-09)	64.0	75.0	40.0	59.7
REPELL GLS	80.7	76.7	53.3	70.2	APR 1648	48.3	80.0	50.0	59.4
PHENOM (APR 1660)	85.0	66.7	58.3	70.0	WIND DANCE 2 (PWDR)	58.3	75.0	45.0	59.4



TABLE 20. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	KY1	MI1	OK1	MEAN
NEXUS XD (SP4)	61.7	65.0	51.7	59.4
PREMIER	51.7	65.0	61.7	59.4
TR47	68.3	60.0	50.0	59.4
O4-BEN	47.7	86.7	43.3	59.2
PREMIER II	44.0	88.3	45.0	59.1
ASP6002 (BPR)	46.7	75.0	55.0	58.9
PENTIUM	61.7	65.0	50.0	58.9
BARLENNIUM	40.0	90.0	41.7	57.2
PIANIST (DP 17-9505)	35.0	92.3	43.3	56.9
CUTTER II (PM 101)	43.3	78.3	48.3	56.7
L44	60.0	70.0	40.0	56.7
TOP GUN II (JR-324)	53.3	65.0	51.7	56.7
HALO (KN42)	60.0	68.3	41.7	56.7
PM 102	50.0	80.0	36.7	55.6
PICK 02-R	29.0	88.3	46.7	54.7
GOALKEEPER II (JR-114)	41.7	68.3	53.3	54.4
DP 17-9499	43.3	86.7	31.7	53.9
VB77	58.3	75.0	26.7	53.3
O4-BRE	56.7	61.7	31.7	50.0
SUNSHINE 2	26.7	75.0	45.0	48.9
LINN	11.3	73.3	61.7	48.8
ASP6003 (TRS)	45.7	61.7	38.3	48.6
PS-2	25.0	81.7	38.3	48.3
PIZZAZZ	18.3	65.7	58.3	47.4
BAR LP 4920	16.7	76.7	46.7	46.7
PANTHER	21.0	68.3	48.3	45.9
LPR 02203	8.7	70.0	58.3	45.7
LSD VALUE	22.1	33.7	22.2	15.3
C.V. (%)	20.7	25.9	27.2	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.

TABLE 21.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	MA1	MI1	MEAN	NAME	MA1	MI1	MEAN
APPLE GL (AAZ-B104)	89.7	93.3	91.5	D04-1667	86.7	70.0	78.3
STELLAR GL (IS-PR 236)	90.0	90.0	90.0	DP 17-9788	86.7	70.0	78.3
PRIMARY (IS-PR 269)	83.3	95.0	89.2	PALACE (IS-PR 273)	76.7	80.0	78.3
MMW	86.7	90.0	88.3	TOP GUN II (JR-324)	80.0	76.7	78.3
DERBY XTREME (IS-PR 268)	83.3	93.3	88.3	D04-11T	83.3	71.7	77.5
DCM	80.0	95.0	87.5	DART (APR 1663)	73.3	81.7	77.5
GL-2	86.7	88.3	87.5	PALMER III	73.3	81.7	77.5
PROTEGE GLR	83.3	90.0	86.7	PLEASURE SUPREME (PM 103)	66.7	88.3	77.5
SR 4600 (SRX 4SP)	83.3	90.0	86.7	REVENGE GLX (JR-348)	73.3	81.7	77.5
ZOOM (LCK)	90.0	83.3	86.7	VB99	73.3	81.7	77.5
1G SQUARED (APR 1664)	80.0	91.7	85.8	CITATION FORE	86.7	66.7	76.7
RNS	83.3	88.3	85.8	APR 1648	73.3	80.0	76.7
CABO II (IS-PR 233)	80.0	90.0	85.0	ACCENT II (JR-119)	76.7	75.0	75.8
KEYSTONE 2 (IS-PR 312)	86.7	83.3	85.0	BRIGHTSTAR SLT	66.7	83.3	75.0
OVERDRIVE	80.0	90.0	85.0	D04-LP05	70.0	80.0	75.0
PARAGON GLR	76.7	93.3	85.0	PREMIER II	70.0	80.0	75.0
ATTRIBUTE (IS-PR 270)	76.7	91.7	84.2	04-BEN	70.0	78.3	74.2
D04-UP	76.7	91.7	84.2	BAR LP 4420	70.0	78.3	74.2
CHARISMATIC II GLSR (LTP-PG-GLSR)	83.3	81.7	82.5	MACH I	70.0	78.3	74.2
DP1	90.0	75.0	82.5	04-BRE	66.7	80.0	73.3
EXACTA II GLSR (LTP-611-GLSR)	83.3	81.7	82.5	ES45	66.7	80.0	73.3
PALMER IV	76.7	86.7	81.7	PST-2MNG	73.3	73.3	73.3
ALL*STAR 3 (IS-PR 274)	80.0	83.3	81.7	SUNSHINE 2	73.3	73.3	73.3
CALYPSO 3 (MS2)	73.3	90.0	81.7	ASP6005 (AJM)	70.0	75.0	72.5
DASHER 3 (PICK RB-1)	80.0	83.3	81.7	GOALKEEPER II (JR-114)	73.3	71.7	72.5
HARRIER (SRX 4UP3)	83.3	80.0	81.7	PHENOM (APR 1660)	80.0	65.0	72.5
LINE DRIVE GLS (APR 1797)	83.3	80.0	81.7	ASP6001 (RTS)	76.7	66.7	71.7
RAD-PR8	83.3	80.0	81.7	ASP6006 (LPFG)	66.7	76.7	71.7
AMAZING GS (IS-PR 276)	80.0	81.7	80.8	TR47	76.7	66.7	71.7
KOKOMO II (IS-PR 235)	80.0	81.7	80.8	GRAND SLAM 2 (PST-2GSM)	73.3	70.0	71.7
PST-217	73.3	88.3	80.8	GRAY STAR (PST-2LGL)	70.0	73.3	71.7
APR 1670	86.7	73.3	80.0	PINNACLE II	70.0	73.3	71.7
BUENA VISTA	83.3	76.7	80.0	PST-2BLK	73.3	70.0	71.7
CUTTER II (PM 101)	80.0	80.0	80.0	SECRETARIAT II GLSR (LTP-101-GLSR)	70.0	73.3	71.7
EDGE II (AC2)	76.7	83.3	80.0	WIND DANCE 2 (PWDR)	73.3	70.0	71.7
HEADSTART 2	73.3	86.7	80.0	PRESIDIO (CNV)	76.7	65.0	70.8
HOMERUN (RG3P)	73.3	86.7	80.0	PST-2LAN	66.7	75.0	70.8
PANTHER GLS	83.3	76.7	80.0	PM 102	63.3	78.3	70.8
REGAL 5 (IS-PR 271)	76.7	83.3	80.0	ASP6004 (EXS54)	70.0	70.0	70.0
FUSION	76.7	81.7	79.2	FIREBOLT (PRG HS-01-09)	76.7	63.3	70.0
PIZZAZZ	66.7	91.7	79.2	LA QUINTA (JR-255)	66.7	73.3	70.0
PS-2	76.7	81.7	79.2	MANHATTAN 5 GLR (PST-2AM)	73.3	65.0	69.2
E-99	73.3	85.0	79.2	ASP6002 (BPR)	63.3	73.3	68.3
FIESTA 4 (PICK F4)	80.0	78.3	79.2	BAR LP 4920	73.3	63.3	68.3
REPELL GLS	83.3	75.0	79.2	CADDIESHACK II (JR-163)	80.0	56.7	68.3
AF	70.0	86.7	78.3	DELAWARE XL (PICK 01-2)	73.3	63.3	68.3

TABLE 21. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/			
NAME	MA1	MI1	MEAN
INSPIRE	80.0	56.7	68.3
PENTIUM	83.3	53.3	68.3
VB77	73.3	63.3	68.3
BARLENNIUM	70.0	63.3	66.7
MONTEREY 3 (JR-408)	70.0	63.3	66.7
QUICKSILVER	66.7	66.7	66.7
DP 17-9499	73.3	60.0	66.7
GPR	76.7	55.0	65.8
PICK 02-R	53.3	78.3	65.8
ASP6003 (TRS)	70.0	60.0	65.0
PIANIST (DP 17-9505)	73.3	56.7	65.0
HALO (KN42)	66.7	60.0	63.3
NEXUS XD (SP4)	66.7	60.0	63.3
SRX 4692	76.7	50.0	63.3
SILVER DOLLAR	80.0	46.7	63.3
SRX 4682	83.3	43.3	63.3
AFFINITY	70.0	53.3	61.7
L44	63.3	60.0	61.7
NEXUS XR (SNR)	66.7	56.7	61.7
BAR LP 4317	83.3	36.7	60.0
PANTHER	60.0	58.3	59.2
GALATTI (DP 17-9502)	60.0	56.7	58.3
PREMIER	73.3	43.3	58.3
PST-2AG4	63.3	50.0	56.7
LPR 02203	60.0	33.3	46.7
PINNACLE	56.7	20.0	38.3
LINN	53.3	20.0	36.7
LSD VALUE	14.4	27.3	15.4
C.V. (%)	11.9	23.1	18.3

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 22.

WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	OK1	NAME	OK1
PALACE (IS-PR 273)	6.0	SILVER DOLLAR	4.7
ASP6003 (TRS)	5.7	04-BRE	4.7
DP 17-9499	5.7	ACCENT II (JR-119)	4.7
DP1	5.7	AMAZING GS (IS-PR 276)	4.7
EXACTA II GLSR (LTP-611-GLSR)	5.7	ASP6002 (BPR)	4.7
LINN	5.7	BAR LP 4317	4.7
PINNACLE	5.7	BRIGHTSTAR SLT	4.7
VB99	5.7	BUENA VISTA	4.7
AF	5.3	CABO II (IS-PR 233)	4.7
ASP6004 (EXS54)	5.3	CITATION FORE	4.7
DCM	5.3	CUTTER II (PM 101)	4.7
E-99	5.3	DART (APR 1663)	4.7
GRAND SLAM 2 (PST-2GSM)	5.3	ES45	4.7
L44	5.3	FIREBOLT (PRG HS-01-09)	4.7
MMW	5.3	FUSION	4.7
OVERDRIVE	5.3	GPR	4.7
PARAGON GLR	5.3	HALO (KN42)	4.7
PIANIST (DP 17-9505)	5.3	HARRIER (SRX 4UP3)	4.7
PM 102	5.3	HOMERUN (RG3P)	4.7
PREMIER	5.3	KEYSTONE 2 (IS-PR 312)	4.7
PREMIER II	5.3	LPR 02203	4.7
REGAL 5 (IS-PR 271)	5.3	PALMER III	4.7
TR47	5.3	PS-2	4.7
VB77	5.3	PST-2LAN	4.7
04-BEN	5.0	PST-2MNG	4.7
APR 1648	5.0	RAD-PR8	4.7
APR 1670	5.0	REVENGE GLX (JR-348)	4.7
ASP6006 (LPFG)	5.0	STELLAR GL (IS-PR 236)	4.7
BAR LP 4920	5.0	TOP GUN II (JR-324)	4.7
BARLENNIUM	5.0	1G SQUARED (APR 1664)	4.3
CALYPSO 3 (MS2)	5.0	AFFINITY	4.3
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0	APPLE GL (AAZ-B104)	4.3
D04-1667	5.0	ASP6001 (RTS)	4.3
DASHER 3 (PICK RB-1)	5.0	ASP6005 (AJM)	4.3
GALATTI (DP 17-9502)	5.0	ATTRIBUTE (IS-PR 270)	4.3
GOALKEEPER II (JR-114)	5.0	D04-11T	4.3
LINE DRIVE GLS (APR 1797)	5.0	D04-LP05	4.3
MACH I	5.0	D04-UP	4.3
NEXUS XD (SP4)	5.0	DELAWARE XL (PICK 01-2)	4.3
PANTHER	5.0	DP 17-9788	4.3
PENTIUM	5.0	EDGE II (AC2)	4.3
PRESIDIO (CNV)	5.0	FIESTA 4 (PICK F4)	4.3
PST-217	5.0	GL-2	4.3
PST-2AG4	5.0	GRAY STAR (PST-2LGL)	4.3
ZOOM (LCK)	5.0	HEADSTART 2	4.3
		INSPIRE	4.3

TABLE 22. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

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

NAME	OK1
LA QUINTA (JR-255)	4.3
MANHATTAN 5 GLR (PST-2AM)	4.3
MONTEREY 3 (JR-408)	4.3
PALMER IV	4.3
PHENOM (APR 1660)	4.3
PIZZAZZ	4.3
PRIMARY (IS-PR 269)	4.3
PROTEGE GLR	4.3
PST-2BLK	4.3
QUICKSILVER	4.3
SECRETARIAT II GLSR (LTP-101-GLSR)	4.3
SRX 4682	4.3
SUNSHINE 2	4.3
WIND DANCE 2 (PWDR)	4.3
ALL*STAR 3 (IS-PR 274)	4.0
BAR LP 4420	4.0
CADDIESHACK II (JR-163)	4.0
DERBY XTREME (IS-PR 268)	4.0
KOKOMO II (IS-PR 235)	4.0
NEXUS XR (SNR)	4.0
PANTHER GLS	4.0
PINNACLE II	4.0
PLEASURE SUPREME (PM 103)	4.0
REPELL GLS	4.0
RNS	4.0
SR 4600 (SRX 4SP)	4.0
SRX 4692	4.0
PICK 02-R	3.7
LSD VALUE	1.2
C.V. (%)	16.0

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

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

TABLE 23.

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	M01	NAME	M01
AMAZING GS (IS-PR 276)	5.7	PS-2	4.7
FIESTA 4 (PICK F4)	5.7	PST-217	4.7
L44	5.7	PST-2LAN	4.7
SECRETARIAT II GLSR (LTP-101-GLSR)	5.7	REPELL GLS	4.7
APR 1648	5.3	WIND DANCE 2 (PWDR)	4.7
ATTRIBUTE (IS-PR 270)	5.3	ZOOM (LCK)	4.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.3	04-BEN	4.3
CITATION FORE	5.3	04-BRE	4.3
CUTTER II (PM 101)	5.3	1G SQUARED (APR 1664)	4.3
DART (APR 1663)	5.3	CADDIESHACK II (JR-163)	4.3
DASHER 3 (PICK RB-1)	5.3	CALYPSO 3 (MS2)	4.3
HOMERUN (RG3P)	5.3	D04-11T	4.3
PARAGON GLR	5.3	D04-1667	4.3
REGAL 5 (IS-PR 271)	5.3	HARRIER (SRX 4UP3)	4.3
STELLAR GL (IS-PR 236)	5.3	KEYSTONE 2 (IS-PR 312)	4.3
VB77	5.3	MANHATTAN 5 GLR (PST-2AM)	4.3
SILVER DOLLAR	5.0	NEXUS XD (SP4)	4.3
ASP6004 (EXS54)	5.0	OVERDRIVE	4.3
BRIGHTSTAR SLT	5.0	PALMER IV	4.3
DP 17-9499	5.0	PROTEGE GLR	4.3
EXACTA II GLSR (LTP-611-GLSR)	5.0	PST-2AG4	4.3
FUSION	5.0	PST-2MNG	4.3
GOALKEEPER II (JR-114)	5.0	RAD-PR8	4.3
GRAY STAR (PST-2LGL)	5.0	SRX 4692	4.3
LA QUINTA (JR-255)	5.0	TOP GUN II (JR-324)	4.3
MMW	5.0	AF	4.0
PANTHER GLS	5.0	AFFINITY	4.0
PHENOM (APR 1660)	5.0	ASP6005 (AJM)	4.0
PM 102	5.0	BAR LP 4317	4.0
REVENGE GLX (JR-348)	5.0	BUENA VISTA	4.0
TR47	5.0	DELAWARE XL (PICK 01-2)	4.0
ACCENT II (JR-119)	4.7	EDGE II (AC2)	4.0
ALL*STAR 3 (IS-PR 274)	4.7	GPR	4.0
CABO II (IS-PR 233)	4.7	GRAND SLAM 2 (PST-2GSM)	4.0
D04-UP	4.7	INSPIRE	4.0
DCM	4.7	LINE DRIVE GLS (APR 1797)	4.0
DERBY XTREME (IS-PR 268)	4.7	NEXUS XR (SNR)	4.0
DP1	4.7	PALMER III	4.0
GL-2	4.7	PINNACLE II	4.0
KOKOMO II (IS-PR 235)	4.7	PST-2BLK	4.0
MONTEREY 3 (JR-408)	4.7	SR 4600 (SRX 4SP)	4.0
PALACE (IS-PR 273)	4.7	APPLE GL (AAZ-B104)	3.7
PIANIST (DP 17-9505)	4.7	ASP6002 (BPR)	3.7
PRESIDIO (CNV)	4.7	ASP6003 (TRS)	3.7
PRIMARY (IS-PR 269)	4.7	BAR LP 4920	3.7
		D04-LP05	3.7

TABLE 23. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

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

NAME	M01
HALO (KN42)	3.7
PINNACLE	3.7
PIZZAZZ	3.7
PLEASURE SUPREME (PM 103)	3.7
QUICKSILVER	3.7
RNS	3.7
SRX 4682	3.7
VB99	3.7
ASP6001 (RTS)	3.3
ASP6006 (LPFG)	3.3
BARLENNIUM	3.3
E-99	3.3
GALATTI (DP 17-9502)	3.3
HEADSTART 2	3.3
MACH I	3.3
PANTHER	3.3
PENTIUM	3.3
PREMIER	3.3
APR 1670	3.0
ES45	3.0
FIREBOLT (PRG HS-01-09)	3.0
PREMIER II	3.0
SUNSHINE 2	3.0
BAR LP 4420	2.7
LPR 02203	2.7
PICK 02-R	2.7
DP 17-9788	2.3
LINN	2.0
LSD VALUE	1.8
C.V. (%)	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.

TABLE 24.

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	OR1	RI1	MEAN	NAME	OR1	RI1	MEAN
AFFINITY	7.3	8.3	7.8	INSPIRE	6.7	7.3	7.0
APR 1670	6.7	9.0	7.8	PALMER III	7.0	7.0	7.0
ATTRIBUTE (IS-PR 270)	7.3	8.3	7.8	PLEASURE SUPREME (PM 103)	6.7	7.3	7.0
SILVER DOLLAR	7.0	8.3	7.7	PST-2BLK	7.3	6.7	7.0
CADDIESHACK II (JR-163)	7.7	7.7	7.7	REVENGE GLX (JR-348)	6.7	7.3	7.0
PREMIER	7.0	8.3	7.7	WIND DANCE 2 (PWDR)	7.0	7.0	7.0
PST-217	7.0	8.3	7.7	BAR LP 4920	7.0	6.7	6.8
ACCENT II (JR-119)	6.3	8.7	7.5	CABO II (IS-PR 233)	7.0	6.7	6.8
APR 1648	7.7	7.3	7.5	D04-LP05	7.0	6.7	6.8
BAR LP 4317	6.7	8.3	7.5	LA QUINTA (JR-255)	7.0	6.7	6.8
D04-1667	7.3	7.7	7.5	NEXUS XR (SNR)	7.0	6.7	6.8
D04-UP	7.3	7.7	7.5	PANTHER GLS	6.7	7.0	6.8
DELAWARE XL (PICK 01-2)	6.7	8.3	7.5	PENTIUM	6.7	7.0	6.8
GPR	7.3	7.7	7.5	PIANIST (DP 17-9505)	6.0	7.7	6.8
LINE DRIVE GLS (APR 1797)	7.3	7.7	7.5	PINNACLE II	5.7	8.0	6.8
PINNACLE	7.0	8.0	7.5	PST-2AG4	6.7	7.0	6.8
PRIMARY (IS-PR 269)	7.3	7.7	7.5	REGAL 5 (IS-PR 271)	6.7	7.0	6.8
SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	7.7	7.5	STELLAR GL (IS-PR 236)	7.7	6.0	6.8
VB99	7.3	7.7	7.5	GOALKEEPER II (JR-114)	6.3	7.3	6.8
DCM	6.7	8.0	7.3	PALMER IV	7.3	6.3	6.8
PANTHER	6.7	8.0	7.3	AF	6.7	6.7	6.7
DERBY XTREME (IS-PR 268)	7.3	7.3	7.3	ASP6006 (LPFG)	6.7	6.7	6.7
LINN	7.3	.	7.3	DP 17-9788	6.7	6.7	6.7
PST-2MNG	7.3	7.3	7.3	HEADSTART 2	6.7	6.7	6.7
ASP6002 (BPR)	6.7	7.7	7.2	L44	6.7	6.7	6.7
BARLENNIUM	6.0	8.3	7.2	LPR 02203	6.7	6.7	6.7
GRAY STAR (PST-2LGL)	6.7	7.7	7.2	PST-2LAN	7.7	5.7	6.7
RAD-PR8	6.7	7.7	7.2	TOP GUN II (JR-324)	5.7	7.7	6.7
SR 4600 (SRX 4SP)	6.7	7.7	7.2	APPLE GL (AAZ-B104)	7.0	6.3	6.7
VB77	6.7	7.7	7.2	BAR LP 4420	6.3	7.0	6.7
D04-11T	7.0	7.3	7.2	BUENA VISTA	7.0	6.3	6.7
HOMERUN (RG3P)	7.3	7.0	7.2	CUTTER II (PM 101)	7.0	6.3	6.7
KEYSTONE 2 (IS-PR 312)	7.3	7.0	7.2	EDGE II (AC2)	6.3	7.0	6.7
MMW	7.0	7.3	7.2	GRAND SLAM 2 (PST-2GSM)	7.3	6.0	6.7
QUICKSILVER	6.3	8.0	7.2	KOKOMO II (IS-PR 235)	7.0	6.3	6.7
04-BEN	7.0	7.0	7.0	MANHATTAN 5 GLR (PST-2AM)	7.0	6.3	6.7
ALL*STAR 3 (IS-PR 274)	7.7	6.3	7.0	OVERDRIVE	7.3	6.0	6.7
AMAZING GS (IS-PR 276)	6.7	7.3	7.0	PIZZAZZ	7.0	6.3	6.7
ASP6003 (TRS)	7.3	6.7	7.0	PRESIDIO (CNV)	7.0	6.3	6.7
BRIGHTSTAR SLT	6.7	7.3	7.0	SRX 4682	6.3	7.0	6.7
CITATION FORE	6.3	7.7	7.0	ZOOM (LCK)	7.0	6.3	6.7
DART (APR 1663)	6.7	7.3	7.0	04-BRE	6.7	6.3	6.5
GL-2	6.3	7.7	7.0	1G SQUARED (APR 1664)	7.0	6.0	6.5
HALO (KN42)	7.0	7.0	7.0	ASP6004 (EXS54)	6.0	7.0	6.5
HARRIER (SRX 4UP3)	6.3	7.7	7.0	CHARISMATIC II GLSR (LTP-PG-GLSR)	6.3	6.7	6.5
				DP1	7.3	5.7	6.5



TABLE 24. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

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

NAME	OR1	RI1	MEAN
E-99	6.7	6.3	6.5
EXACTA II GLSR (LTP-611-GLSR)	6.7	6.3	6.5
MACH I	6.7	6.3	6.5
PALACE (IS-PR 273)	6.3	6.7	6.5
PARAGON GLR	7.0	6.0	6.5
PM 102	6.3	6.7	6.5
PREMIER II	6.7	6.3	6.5
SRX 4692	6.7	6.3	6.5
ASP6001 (RTS)	6.7	6.0	6.3
TR47	6.0	6.7	6.3
PHENOM (APR 1660)	6.3	6.3	6.3
MONTEREY 3 (JR-408)	6.7	5.7	6.2
PROTEGE GLR	7.7	4.7	6.2
DASHER 3 (PICK RB-1)	6.3	6.0	6.2
DP 17-9499	6.0	6.3	6.2
FIESTA 4 (PICK F4)	6.0	6.3	6.2
FUSION	7.0	5.3	6.2
CALYPSO 3 (MS2)	6.3	5.7	6.0
FIREBOLT (PRG HS-01-09)	7.3	4.7	6.0
GALATTI (DP 17-9502)	5.7	6.3	6.0
PICK 02-R	6.7	5.3	6.0
RNS	6.7	5.3	6.0
ES45	5.7	6.0	5.8
NEXUS XD (SP4)	6.7	5.0	5.8
REPELL GLS	6.7	4.7	5.7
ASP6005 (AJM)	6.0	5.3	5.7
PS-2	6.3	5.0	5.7
SUNSHINE 2	6.3	5.0	5.7
LSD VALUE	1.2	2.9	1.6
C.V. (%)	10.9	26.3	20.2

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 25. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	NE1	NAME	NE1
DCM	8.3	HARRIER (SRX 4UP3)	7.0
GL-2	8.3	L44	7.0
PST-2BLK	8.3	PIANIST (DP 17-9505)	7.0
REGAL 5 (IS-PR 271)	8.3	PIZZAZZ	7.0
ZOOM (LCK)	8.3	PRESIDIO (CNV)	7.0
CITATION FORE	8.0	PROTEGE GLR	7.0
D04-1667	8.0	PST-217	7.0
FIESTA 4 (PICK F4)	8.0	REPELL GLS	7.0
FUSION	8.0	SRX 4682	7.0
HOMERUN (RG3P)	8.0	SILVER DOLLAR	6.7
LA QUINTA (JR-255)	8.0	ALL*STAR 3 (IS-PR 274)	6.7
MACH I	8.0	DASHER 3 (PICK RB-1)	6.7
PREMIER	8.0	DP1	6.7
1G SQUARED (APR 1664)	7.7	KEYSTONE 2 (IS-PR 312)	6.7
ASP6006 (LPFG)	7.7	NEXUS XR (SNR)	6.7
CADDIESHACK II (JR-163)	7.7	PM 102	6.7
CUTTER II (PM 101)	7.7	PRIMARY (IS-PR 269)	6.7
GALATTI (DP 17-9502)	7.7	RAD-PR8	6.7
PALMER III	7.7	AF	6.3
PANTHER	7.7	APR 1670	6.3
PENTIUM	7.7	ASP6002 (BPR)	6.3
PS-2	7.7	ATTRIBUTE (IS-PR 270)	6.3
PST-2MNG	7.7	DP 17-9788	6.3
SRX 4692	7.7	FIREBOLT (PRG HS-01-09)	6.3
AFFINITY	7.3	PREMIER II	6.3
AMAZING GS (IS-PR 276)	7.3	RNS	6.3
APR 1648	7.3	STELLAR GL (IS-PR 236)	6.3
ASP6004 (EXS54)	7.3	TOP GUN II (JR-324)	6.3
BRIGHTSTAR SLT	7.3	TR47	6.3
BUENA VISTA	7.3	APPLE GL (AAZ-B104)	6.0
D04-LP05	7.3	BAR LP 4317	6.0
DART (APR 1663)	7.3	EXACTA II GLSR (LTP-611-GLSR)	6.0
E-99	7.3	GRAND SLAM 2 (PST-2GSM)	6.0
GPR	7.3	HALO (KN42)	6.0
GRAY STAR (PST-2LGL)	7.3	LPR 02203	6.0
INSPIRE	7.3	OVERDRIVE	6.0
MONTEREY 3 (JR-408)	7.3	VB77	6.0
PINNACLE	7.3	CALYPSO 3 (MS2)	5.7
PINNACLE II	7.3	DERBY XTREME (IS-PR 268)	5.7
SECRETARIAT II GLSR (LTP-101-GLSR)	7.3	DP 17-9499	5.7
ASP6003 (TRS)	7.0	KOKOMO II (IS-PR 235)	5.7
BARLENNIUM	7.0	PARAGON GLR	5.7
D04-11T	7.0	PST-2AG4	5.7
D04-UP	7.0	PST-2LAN	5.7
GOALKEEPER II (JR-114)	7.0	QUICKSILVER	5.7
		SR 4600 (SRX 4SP)	5.7

TABLE 25. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

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

NAME	NE1
VB99	5.7
WIND DANCE 2 (PWDR)	5.7
04-BEN	5.3
ASP6005 (AJM)	5.3
BAR LP 4920	5.3
DELAWARE XL (PICK 01-2)	5.3
EDGE II (AC2)	5.3
PLEASURE SUPREME (PM 103)	5.3
REVENGE GLX (JR-348)	5.3
SUNSHINE 2	5.3
04-BRE	5.0
CABO II (IS-PR 233)	5.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.0
ES45	5.0
MANHATTAN 5 GLR (PST-2AM)	5.0
MMW	5.0
PANTHER GLS	5.0
PHENOM (APR 1660)	5.0
PICK 02-R	5.0
ACCENT II (JR-119)	4.7
BAR LP 4420	4.7
HEADSTART 2	4.7
LINN	4.7
ASP6001 (RTS)	4.0
LINE DRIVE GLS (APR 1797)	4.0
NEXUS XD (SP4)	4.0
PALACE (IS-PR 273)	4.0
PALMER IV	3.0
LSD VALUE	3.2
C.V. (%)	30.8

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

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

TABLE 26.

POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA

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

NAME	MA1	NAME	MA1
APR 1648	8.7	GPR	8.0
APR 1670	8.7	HOMERUN (RG3P)	8.0
CADDIESHACK II (JR-163)	8.7	PHENOM (APR 1660)	8.0
CITATION FORE	8.7	PINNACLE II	8.0
D04-1667	8.7	PREMIER	8.0
EXACTA II GLSR (LTP-611-GLSR)	8.7	PRIMARY (IS-PR 269)	8.0
GL-2	8.7	PS-2	8.0
HARRIER (SRX 4UP3)	8.7	PST-2BLK	8.0
KEYSTONE 2 (IS-PR 312)	8.7	PST-2LAN	8.0
LINE DRIVE GLS (APR 1797)	8.7	REGAL 5 (IS-PR 271)	8.0
RAD-PR8	8.7	SR 4600 (SRX 4SP)	8.0
SECRETARIAT II GLSR (LTP-101-GLSR)	8.7	SRX 4692	8.0
ZOOM (LCK)	8.7	1G SQUARED (APR 1664)	7.7
SILVER DOLLAR	8.3	APPLE GL (AAZ-B104)	7.7
ACCENT II (JR-119)	8.3	ASP6005 (AJM)	7.7
BAR LP 4317	8.3	BAR LP 4420	7.7
CABO II (IS-PR 233)	8.3	BRIGHTSTAR SLT	7.7
D04-11T	8.3	BUENA VISTA	7.7
DP 17-9788	8.3	CALYPSO 3 (MS2)	7.7
DP1	8.3	CUTTER II (PM 101)	7.7
E-99	8.3	DCM	7.7
FIESTA 4 (PICK F4)	8.3	DELAWARE XL (PICK 01-2)	7.7
GRAND SLAM 2 (PST-2GSM)	8.3	GRAY STAR (PST-2LGL)	7.7
MANHATTAN 5 GLR (PST-2AM)	8.3	HALO (KN42)	7.7
MONTEREY 3 (JR-408)	8.3	HEADSTART 2	7.7
PENTIUM	8.3	KOKOMO II (IS-PR 235)	7.7
PROTEGE GLR	8.3	MMW	7.7
RNS	8.3	NEXUS XD (SP4)	7.7
STELLAR GL (IS-PR 236)	8.3	PALACE (IS-PR 273)	7.7
TOP GUN II (JR-324)	8.3	PALMER III	7.7
04-BEN	8.0	PANTHER GLS	7.7
AFFINITY	8.0	PIANIST (DP 17-9505)	7.7
ALL*STAR 3 (IS-PR 274)	8.0	PREMIER II	7.7
AMAZING GS (IS-PR 276)	8.0	QUICKSILVER	7.7
ASP6001 (RTS)	8.0	REPELL GLS	7.7
ATTRIBUTE (IS-PR 270)	8.0	SRX 4682	7.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	8.0	TR47	7.7
D04-LP05	8.0	VB99	7.7
DASHER 3 (PICK RB-1)	8.0	WIND DANCE 2 (PWDR)	7.7
DERBY XTREME (IS-PR 268)	8.0	ASP6003 (TRS)	7.3
DP 17-9499	8.0	BAR LP 4920	7.3
EDGE II (AC2)	8.0	DART (APR 1663)	7.3
FIREBOLT (PRG HS-01-09)	8.0	INSPIRE	7.3
FUSION	8.0	LPR 02203	7.3
GOALKEEPER II (JR-114)	8.0	NEXUS XR (SNR)	7.3
		OVERDRIVE	7.3

TABLE 26. POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/	
NAME	MA1
PALMER IV	7.3
PARAGON GLR	7.3
PIZZAZZ	7.3
PRESIDIO (CNV)	7.3
PST-2AG4	7.3
PST-2MNG	7.3
REVENGE GLX (JR-348)	7.3
SUNSHINE 2	7.3
AF	7.0
ASP6004 (EXS54)	7.0
ASP6006 (LPFG)	7.0
BARLENNIUM	7.0
D04-UP	7.0
ES45	7.0
L44	7.0
LA QUINTA (JR-255)	7.0
MACH I	7.0
PINNACLE	7.0
PLEASURE SUPREME (PM 103)	7.0
PM 102	7.0
PST-217	7.0
04-BRE	6.7
GALATTI (DP 17-9502)	6.7
PANTHER	6.3
VB77	6.3
ASP6002 (BPR)	6.0
PICK 02-R	5.3
LINN	5.0
LSD VALUE	1.4
C.V. (%)	11.0

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

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

TABLE 27. PERCENT PINK SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2006 DATA 2/

NAME	MN1	NAME	MN1
PST-2AG4	41.7	D04-1667	23.3
AF	40.0	GRAY STAR (PST-2LGL)	23.3
FIREBOLT (PRG HS-01-09)	40.0	HOMERUN (RG3P)	23.3
PALMER IV	38.3	KOKOMO II (IS-PR 235)	23.3
CUTTER II (PM 101)	36.7	MANHATTAN 5 GLR (PST-2AM)	23.3
D04-UP	35.0	PIANIST (DP 17-9505)	23.3
DELAWARE XL (PICK 01-2)	35.0	PROTEGE GLR	23.3
DERBY XTREME (IS-PR 268)	33.3	REGAL 5 (IS-PR 271)	23.3
SUNSHINE 2	33.3	AMAZING GS (IS-PR 276)	21.7
VB99	33.3	BAR LP 4420	21.7
04-BEN	31.7	BUENA VISTA	21.7
CABO II (IS-PR 233)	31.7	CADDIESHACK II (JR-163)	21.7
HARRIER (SRX 4UP3)	31.7	GRAND SLAM 2 (PST-2GSM)	21.7
PICK 02-R	31.7	L44	21.7
PST-2LAN	31.7	PHENOM (APR 1660)	21.7
ASP6001 (RTS)	30.0	PIZZAZZ	21.7
ASP6005 (AJM)	30.0	PRESIDIO (CNV)	21.7
CALYPSO 3 (MS2)	30.0	SR 4600 (SRX 4SP)	21.7
FIESTA 4 (PICK F4)	30.0	SRX 4682	21.7
FUSION	30.0	TOP GUN II (JR-324)	21.7
MONTEREY 3 (JR-408)	30.0	AFFINITY	20.0
NEXUS XR (SNR)	30.0	CITATION FORE	20.0
PRIMARY (IS-PR 269)	30.0	DASHER 3 (PICK RB-1)	20.0
PS-2	30.0	GPR	20.0
ASP6004 (EXS54)	28.3	HALO (KN42)	20.0
D04-LP05	28.3	MACH I	20.0
PALACE (IS-PR 273)	28.3	PINNACLE	20.0
VB77	28.3	RAD-PR8	20.0
APR 1670	26.7	REPELL GLS	20.0
BAR LP 4920	26.7	REVENGE GLX (JR-348)	20.0
D04-11T	26.7	STELLAR GL (IS-PR 236)	20.0
PST-2MNG	26.7	ALL*STAR 3 (IS-PR 274)	18.3
04-BRE	25.0	BARLENNIUM	18.3
ACCENT II (JR-119)	25.0	BRIGHTSTAR SLT	18.3
ASP6003 (TRS)	25.0	DART (APR 1663)	18.3
HEADSTART 2	25.0	DCM	18.3
LA QUINTA (JR-255)	25.0	E-99	18.3
NEXUS XD (SP4)	25.0	EDGE II (AC2)	18.3
PARAGON GLR	25.0	INSPIRE	18.3
TR47	25.0	PM 102	18.3
WIND DANCE 2 (PWDR)	25.0	SRX 4692	18.3
APPLE GL (AAZ-B104)	23.3	LINN	17.5
ASP6006 (LPFG)	23.3	1G SQUARED (APR 1664)	16.7
ATTRIBUTE (IS-PR 270)	23.3	EXACTA II GLSR (LTP-611-GLSR)	16.7
BAR LP 4317	23.3	GALATTI (DP 17-9502)	16.7

TABLE 27. PERCENT PINK SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
(CONT'D) 2006 DATA 2/

NAME	MN1
KEYSTONE 2 (IS-PR 312)	16.7
MMW	16.7
RNS	16.7
CHARISMATIC II GLSR (LTP-PG-GLSR)	15.0
DP 17-9788	15.0
ES45	15.0
GL-2	15.0
LINE DRIVE GLS (APR 1797)	15.0
OVERDRIVE	15.0
PANTHER	15.0
PANTHER GLS	15.0
PLEASURE SUPREME (PM 103)	15.0
PREMIER	15.0
QUICKSILVER	15.0
SILVER DOLLAR	13.3
APR 1648	13.3
DP1	13.3
LPR 02203	13.3
PALMER III	13.3
PINNACLE II	13.3
PREMIER II	13.3
ASP6002 (BPR)	11.7
DP 17-9499	11.7
GOALKEEPER II (JR-114)	11.7
PENTIUM	11.7
PST-217	11.7
SECRETARIAT II GLSR (LTP-101-GLSR)	11.7
PST-2BLK	10.0
ZOOM (LCK)	8.3
LSD VALUE	19.8
C.V. (%)	55.1

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 28. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 AT BLACKSBURG, VA 1/  
 2006 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
SILVER DOLLAR	8.0	8.0	7.0	7.7
ALL*STAR 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
O4-BEN	8.0	7.3	7.3	7.6
APR 1670	7.3	8.3	7.0	7.6
GRAND SLAM 2 (PST-2GSM)	8.0	7.3	7.3	7.6
PST-217	8.0	7.7	7.0	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
PST-2BLK	8.7	8.7	5.0	7.4
PST-2LAN	8.3	7.7	6.3	7.4
REPELL GLS	8.3	8.7	5.3	7.4
BARLENNIUM	8.3	6.0	7.7	7.3
D04-UP	8.0	7.3	6.7	7.3
FIESTA 4 (PICK F4)	8.7	7.3	6.0	7.3
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
APR 1648	8.0	8.3	4.7	7.0
BRIGHTSTAR SLT	8.0	6.7	6.3	7.0
CHARISMATIC II GLSR (LTP-PG-GLSR)	8.3	7.3	5.3	7.0
DELAWARE XL (PICK 01-2)	8.0	7.7	5.3	7.0
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 28. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) AT BLACKSBURG, VA 1/  
 2006 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
PALMER III	7.0	7.7	6.3	7.0
PS-2	8.0	8.0	5.0	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
D04-11T	8.0	6.7	6.0	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
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
SRX 4692	7.7	7.3	5.7	6.9
ZOOM (LCK)	8.0	7.7	5.0	6.9
O4-BRE	8.0	6.3	6.0	6.8
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
DCM	7.3	7.7	5.3	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
L44	8.3	7.3	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
STELLAR GL (IS-PR 236)	7.3	8.3	4.7	6.8
AF	7.7	7.3	5.0	6.7
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
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 28. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) AT BLACKSBURG, VA 1/  
 2006 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
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
DP1	7.7	6.3	5.3	6.4
GL-2	8.3	6.7	4.3	6.4
RAD-PR8	7.7	7.3	4.3	6.4
RNS	7.0	8.0	4.3	6.4
SECRETARIAT II GLSR (LTP-101-GLSR)	8.0	8.0	3.3	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
D04-1667	7.3	6.3	5.0	6.2
GALATTI (DP 17-9502)	8.3	5.3	5.0	6.2
DP 17-9499	7.0	6.0	5.3	6.1
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.

SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS  
2006 DATA

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

NAME	QUALITY		NAME	QUALITY	
	MEAN 1/	MAXIMUM IN TOP 25% 2/		MEAN 1/	MAXIMUM IN TOP 25% 2/
SILVER DOLLAR	6.1	47.8	ES45	5.6	4.3
04-BEN	5.5	0.0	EXACTA II GLSR (LTP-611-GLSR)	6.0	43.5
04-BRE	5.3	4.3	FIESTA 4 (PICK F4)	6.1	60.9
1G SQUARED (APR 1664)	5.9	30.4	FIREBOLT (PRG HS-01-09)	5.6	17.4
ACCENT II (JR-119)	5.7	13.0	FUSION	5.7	13.0
AF	5.8	26.1	GALATTI (DP 17-9502)	5.5	21.7
AFFINITY	4.8	4.3	GL-2	6.0	52.2
ALL*STAR 3 (IS-PR 274)	6.1	47.8	GOALKEEPER II (JR-114)	5.4	4.3
AMAZING GS (IS-PR 276)	6.1	43.5	GPR	5.9	34.8
APPLE GL (AAZ-B104)	5.9	30.4	GRAND SLAM 2 (PST-2GSM)	5.8	17.4
APR 1648	6.0	65.2	GRAY STAR (PST-2LGL)	5.8	4.3
APR 1670	5.7	13.0	HALO (KN42)	5.5	8.7
ASP6001 (RTS)	5.7	21.7	HARRIER (SRX 4UP3)	5.8	17.4
ASP6002 (BPR)	5.7	17.4	HEADSTART 2	5.3	4.3
ASP6003 (TRS)	5.7	34.8	HOMERUN (RG3P)	6.0	56.5
ASP6004 (EXS54)	5.9	30.4	INSPIRE	5.5	8.7
ASP6005 (AJM)	5.7	30.4	KEYSTONE 2 (IS-PR 312)	6.1	43.5
ASP6006 (LPGF)	5.7	30.4	KOKOMO II (IS-PR 235)	5.8	26.1
ATTRIBUTE (IS-PR 270)	5.9	34.8	L44	5.4	0.0
BAR LP 4317	5.6	17.4	LA QUINTA (JR-255)	5.5	4.3
BAR LP 4420	5.4	4.3	LINE DRIVE GLS (APR 1797)	5.9	26.1
BAR LP 4920	5.3	17.4	LINN	2.8	0.0
BARLENNIUM	5.3	13.0	LPR 02203	4.6	4.3
BRIGHTSTAR SLT	5.4	8.7	MACH I	5.8	39.1
BUENA VISTA	5.8	30.4	MANHATTAN 5 GLR (PST-2AM)	5.8	21.7
CABO II (IS-PR 233)	5.8	43.5	MMW	6.0	47.8
CADDIESHACK II (JR-163)	5.6	17.4	MONTEREY 3 (JR-408)	5.5	17.4
CALYPSO 3 (MS2)	5.7	21.7	NEXUS XD (SP4)	5.6	17.4
CHARISMATIC II GLSR (LTP-PG-GLSR)	5.8	30.4	NEXUS XR (SNR)	5.7	13.0
CITATION FORE	5.7	17.4	OVERDRIVE	5.8	13.0
CUTTER II (PM 101)	5.9	56.5	PALACE (IS-PR 273)	6.1	52.2
D04-11T	6.2	52.2	PALMER III	5.2	0.0
D04-1667	6.0	39.1	PALMER IV	5.8	13.0
D04-LP05	5.5	17.4	PANTHER	5.0	4.3
D04-UP	5.7	21.7	PANTHER GLS	5.9	30.4
DART (APR 1663)	5.8	13.0	PARAGON GLR	6.0	34.8
DASHER 3 (PICK RB-1)	6.0	30.4	PENTIUM	5.5	4.3
DCM	5.9	34.8	PHENOM (APR 1660)	5.7	26.1
DELAWARE XL (PICK 01-2)	5.6	8.7	PIANIST (DP 17-9505)	5.2	0.0
DERBY XTREME (IS-PR 268)	6.0	47.8	PICK 02-R	5.2	13.0
DP 17-9499	5.6	39.1	PINNACLE	4.3	4.3
DP 17-9788	5.6	8.7	PINNACLE II	5.7	21.7
DP1	6.0	39.1	PIZZAZZ	5.6	17.4
E-99	5.6	8.7	PLEASURE SUPREME (PM 103)	5.8	21.7
EDGE II (AC2)	5.8	26.1	PM 102	5.5	8.7

APPENDIX TABLE.  
(CONT'D)

SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS  
2006 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
PREMIER	4.6	8.7
PREMIER II	5.4	8.7
PRESIDIO (CNV)	5.8	17.4
PRIMARY (IS-PR 269)	6.0	34.8
PROTEGE GLR	5.8	30.4
PS-2	5.5	13.0
PST-217	5.7	21.7
PST-2AG4	5.8	26.1
PST-2BLK	5.5	13.0
PST-2LAN	5.8	21.7
PST-2MNG	5.8	21.7
QUICKSILVER	5.6	13.0
RAD-PR8	5.8	17.4
REGAL 5 (IS-PR 271)	5.9	39.1
REPELL GLS	5.8	21.7
REVENGE GLX (JR-348)	6.0	43.5
RNS	6.0	34.8
SECRETARIAT II GLSR (LTP-101-GLSR)	5.9	17.4
SR 4600 (SRX 4SP)	6.0	39.1
SRX 4682	5.3	4.3
SRX 4692	5.6	17.4
STELLAR GL (IS-PR 236)	5.8	21.7
SUNSHINE 2	5.4	17.4
TOP GUN II (JR-324)	5.8	34.8
TR47	5.8	26.1
VB77	5.7	13.0
VB99	5.7	26.1
WIND DANCE 2 (PWDR)	5.7	17.4
ZOOM (LCK)	6.1	56.5
LSD VALUE	0.2	
C.V. (%)	11.7	

\*/ 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.