

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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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>.

1999 NATIONAL PERENNIAL RYEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2002

<u>State</u>	<u>Location</u>	<u>Code</u>
California	Sunnyvale	CA6
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Maine	Orono	ME1
Maryland	College Park	MD1
Maryland	College Park (Disease Study)	MD2
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
Missouri	St. Louis (Traffic Study)	MO3
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
New Jersey	North Brunswick (Traffic Study)	NJ3
New York	Ithaca	NY1
New York	Ithaca (Traffic Study)	NY2
Pennsylvania	University Park	PA1
Quebec	Quebec	QE1
Rhode Island	Kingston	RI1
South Dakota	Brookings	SD1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Washington	Puyallup (Fairway)	WA3
Wisconsin	Madison	WI1

1999 NATIONAL PERENNIAL RYEGRASS TEST

Entries and Sponsors

Entry	Name	Sponsor	Entry	Name	Sponsor
1	Calypso II	TurfOne	68	Citation Fore (PST-2BR)	Pure-Seed Testing, Inc.
2	Racer	TurfOne	69	Catalina II (PST-CATS)	Pure-Seed Testing, Inc.
3	Fiesta 3	Pickseed West, Inc.	70	Manhattan 4 (PST-2CRL)	Pure-Seed Testing, Inc.
4	Linn	Standard Entry	71	PST-2LA	Pure-Seed Testing, Inc.
5	Buccaneer	Standard Entry	72	Brightstar II	Turf-Seed, Inc.
6	Pick PR 1-94	Pickseed West, Inc.	73	Catalina	Turf-Seed, Inc.
7	Passport	TurfOne	74	Manhattan 3	Turf-Seed, Inc./Turf Merchants
8	Headstart	TurfOne	75	Charger II	Turf-Seed, Inc.
9	LPR 98-143	Deutsche Saatveredelung	76	Palmer III	Standard Entry
10	LPR 98-144	Deutsche Saatveredelung	77	Phantom	ProSeeds Marketing, Inc.
11	YatsuGreen	Nichino Ryokka Co., Ltd.	78	ABT-99-4.339	Pure-Seed Testing, Inc.
12	Secretariat	Grassland West Company	79	ABT-99-4.464	ProSeeds Marketing, Inc.
13	Pizzazz	Turf Merchants, Inc.	80	ABT-99-4.600	Pure-Seed Testing, Inc.
14	Promise	Turf Merchants, Inc.	81	Quest II (ABT-99-4.721)	ProSeeds Marketing, Inc.
15	Paragon	Turf Merchants, Inc.	82	ABT-99-4.815	ProSeeds Marketing, Inc.
16	Racer II (Pick RC2)	TurfOne	83	Sunkissed (ABT-99-4.834)	ProSeeds Marketing, Inc.
17	Pick EX2	Pickseed West, Inc.	84	Cathedral II	ProSeeds Marketing, Inc.
18	Affinity	Standard Entry	85	Panther	ProSeeds Marketing, Inc.
19	APR 1234	Advanta Seeds Pacific, Inc.	86	Seville II	Pickseed West, Inc.
20	Renaissance (APR 1233)	Advanta Seeds Pacific, Inc.	87	Pennant II	ProSeeds Marketing, Inc.
21	Koos R-71	Willamette Valley Plant Breeders	88	DP 17-9496	DLF-Trifolium
22	WVPB-R-82	Willamette Valley Plant Breeders	89	DP LP-1	DLF-Trifolium
23	WVPB-R-84	Willamette Valley Plant Breeders	90	DP 17-9069	DLF-Trifolium
24	Paradigm (APR 1236)	Smith Seed Services	91	DP 17-9391	DLF-Trifolium
25	Nexus	Smith Seed Services	92	Allsport	LESCO, Inc.
26	DLF-LDD	DLF-Jenks	93	Line Drive	LESCO, Inc.
27	Pentium (NJ-6401)	Rutgers University	94	Wilmington	LESCO, Inc.
28	Mach 1 (Roberts-627)	TurfOne	95	Pacesetter (6011)	LESCO, Inc.
29	Charismatic (LTP 98-501)	Lebanon Seaboard Corp.	96	Prosport (AG-P981)	LESCO, Inc.
30	Applaud (Pennington-11301)	Pennington Seed Company	97	Prowler (APR 777)	Turf Merchants, Inc.
31	Kokomo (CIS-PR-69)	Grassland Oregon	98	APR 776	Advanta Seeds Pacific, Inc.
32	IQ (CIS-PR-75)	DLF International Seeds	99	APR 1231	Advanta Seeds Pacific, Inc.
33	All Star ² (CIS-PR-78)	DLF International Seeds	100	APR 1232	Advanta Seeds Pacific, Inc.
34	Cabo (CIS-PR-80)	Grassland Oregon	101	SR 4220 (SRX 4801)	Seed Research of Oregon
35	Arrival (CIS-PR-84)	LESCO, Inc.	102	SR 4500	Seed Research of Oregon
36	Gator 3 (CIS-PR-85)	DLF International Seeds	103	SRX 4120	Seed Research of Oregon
37	Inspire (R8000)	The Scotts Company	104	Hawkeye (SRX 4RHT)	Seed Research of Oregon
38	Majesty	The Scotts Company	105	Elfkin	DLF-Jenks
39	Divine	The Scotts Company	106	CAS-LP84	Cascade Int'l Seed Co.
40	Ascend	The Scotts Company	107	MDP	Cascade Int'l Seed Co.
41	Pleasure XL	Ampac Seed Company	108	EPD	Mountain View Seeds, Ltd.
42	Amazing (B1)	Ampac Seed Company	109	EP53	Grassland West Co.
43	APR 1235	Advanta Seeds Pacific, Inc.	110	Superstar (EP57)	Mountain View Seeds, Ltd.
44	SR 4350 (APR 1237)	Seed Research of Oregon	111	Skyhawk	Forbes Seed & Grain
45	Churchill	Lebanon Seaboard Corp.	112	MP88	DLF-Jenks
46	Exacta	Lebanon Seaboard Corp.	113	MP107	Cascade International Seed Co.
47	Affirmed	Lebanon Seaboard Corp.	114	MP103	Cascade International Seed Co.
48	LTP-ME	Lebanon Seaboard Corp.	115	MEPY	DLF-Jenks
49	Barlennium	Barenbrug USA, Inc.	116	ABT-99-4.115	ProSeeds Marketing, Inc.
50	Pinnacle II (BAR 9 B2)	Barenbrug USA, Inc.	117	ABT-99-4.560	ProSeeds Marketing, Inc.
51	Premier II	Barenbrug USA, Inc.	118	ProTyme (ABT-99-4.625)	ProSeeds Marketing, Inc.
52	Premier	Standard Entry	119	Crusier (UT-1000)	Ultra-Turf
53	Monterey II (JR-187)	Simplot / Jacklin Seed	120	Dazzle (ABT-99-4.724)	ProSeeds Marketing, Inc.
54	JR-128	Simplot / Jacklin Seed	121	Terradyne (A5C)	Blue Moon Farms
55	Extreme (JR-317)	Simplot / Jacklin Seed	122	ABT-99-4.965	ProSeeds Marketing, Inc.
56	Admire (JR-151)	Simplot / Jacklin Seed	123	Stellar (CIS-PR-72)	Mountain View Seeds, Ltd.
57	Edge	Pickseed West, Inc.	124	PST-2JH	Pure-Seed Testing, Inc.
58	Pick PR QH-97	Pickseed West, Inc.	125	Grand Slam 2L96 (PST-2L96)	Mountain View Seed
59	Blazer IV (Pick MDR)	Pickseed West, Inc.	126	SR 4420 (SRX 4820)	Seed Research of Oregon
60	Pick PRNGS	Pickseed West, Inc.	127	Gallery (MB 412)	The Scotts Company
61	Pick PR B-97	Pickseed West, Inc.	128	Courage (MB 410)	The Scotts Company
62	PST-2RT	Pure-Seed Testing, Inc.	129	Summerset (MB 413)	The Scotts Company
63	Brightstar SLT (PST-2A6B)	Pure-Seed Testing, Inc.	130	Splendid (MB 411)	The Scotts Company
64	PST-2SBE	Pure-Seed Testing, Inc.	131	MB 414 (Icon)	Burlingham Seed / LESCO
65	PST-2CRR	Pure-Seed Testing, Inc.	132	Radiant	ProSeeds Marketing, Inc.
66	PST-2M4	Pure-Seed Testing, Inc.	133	Jet	Pennington Seed Co.
67	Salinas (PST-2SLX)	Pure-Seed Testing, Inc.	134	BY-100	Brett Young Seeds, Ltd.

TABLE A.

2002 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1999 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
CA6	LOAM	6.6-7.0	61-150	0-150	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
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	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
IN1	SILT LOAM AND SILT	7.1-7.5	151-270	501+	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MD2	SILT LOAM AND SILT	5.6-6.0	61-150	241-375	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
ME1	-	-	-	-	-	-	-	-
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
MO1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
MO3	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
NE1	SILTY CLAY LOAM	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	271-450	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	LOAM	6.6-7.0	271-450	376-500	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	SANDY LOAM	5.6-6.0	271-450	241-375	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
NY2	SANDY LOAM	6.1-6.5	151-270	241-375	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
PA1	LOAM	6.1-6.5	271-450	151-240	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
QE1	-	-	-	-	-	-	-	-
RI1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
SD1	SILTY CLAY LOAM	7.6-8.5	0-60	241-375	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UT1	SILTY CLAY LOAM	7.6-8.5	61-150	0-150	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
VA1	-	-	-	-	-	-	-	-
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
WA3	SANDY LOAM	5.6-6.0	0-60	151-240	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
WI1	SILTY CLAY LOAM	6.6-7.0	61-150	376-500	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2002

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
CA6	X	X	X	X	X	X	X			X	X	X			
IA1					X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X		
IL2			X	X	X	X	X	X	X	X			X	X	X
IN1				X	X	X	X	X	X	X	X		X	X	
KS1				X	X	X	X	X	X		X		X		X
KY1			X	X	X	X	X	X	X	X			X		
MD1					X	X	X	X	X	X	X		X	X	X
MD2															
ME1					X	X	X	X	X	X			X		
MI1				X	X	X	X	X	X	X	X		X	X	X
MO1				X	X	X	X	X	X	X	X		X		
MO3				X	X	X	X	X	X	X	X				
NE1				X	X	X	X	X	X				X	X	
NJ1				X	X	X	X	X	X	X	X		X	X	X
NJ2				X	X	X	X	X	X	X	X		X	X	X
NJ3							X	X	X	X					
NY1				X	X	X	X	X	X	X				X	
NY2				X	X	X	X	X	X	X	X			X	X
PA1					X	X	X	X	X	X			X	X	
QE1					X	X	X	X	X	X			X	X	
RI1								X		X					
SD1				X	X	X	X	X	X	X			X	X	
UT1				X	X	X	X	X	X	X			X		
VA1		X	X	X	X	X	X	X	X	X	X		X	X	
WA1				X	X	X	X	X	X	X			X	X	
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X		
WI1				X	X	X	X	X	X	X	X		X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2002

LOCATION	SPRING	SUMMER	FALL	PERCENT	PERCENT	PERCENT	DROUGHT		DOLLAR	RED	GRAY	FALL	POA	CRABGRASS
	DENSITY	DENSITY	DENSITY	COVER	COVER	COVER	WINTER	TOLERANCE				TYPHULA		
				SPRING	SUMMER	FALL	COLOR	WILTING	BLIGHT	SPOT	THREAD	SPOT	SEPTEMBER	
CA6														
IA1														
IL1														
IL2				X	X									
IN1														
KS1										X				
KY1														
MD1												X		
MD2														
ME1														
MI1	X	X	X							X				
MO1				X										
* M03														
NE1	X		X											
NJ1			X							X				
NJ2			X											
NJ3														
NY1														X
NY2														
PA1		X												
QE1	X	X	X											
RI1										X				
SD1				X		X			X					
UT1														
VA1							X	X			X			
WA1														
WA3														
WI1				X	X	X						X	X	

* MORE TRAFFIC STUDY DATA FOR M03 (TABLE 23).

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" */
 2002 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	KY1	MD1	NE1	NY1	SD1	UT1	VA1	WA3	MEAN
* GRAND SLAM 2L96 (PST-2L96)	7.1	7.5	7.0	6.9	6.5	4.9	5.0	4.9	5.8	6.2
* GATOR 3 (CIS-PR-85)	6.3	6.8	7.0	7.7	6.4	5.5	4.9	4.5	5.5	6.1
* PIZZAZZ	6.9	6.8	7.1	7.3	6.6	4.8	4.7	4.3	5.9	6.1
* APPLAUD (PENNINGTON-11301)	6.7	7.0	6.6	7.1	6.3	5.3	4.8	4.7	5.7	6.0
* SR 4220 (SRX 4801)	7.0	7.0	6.3	7.2	6.7	5.0	5.1	4.7	5.3	6.0
* BLAZER IV (PICK MDR)	6.8	6.7	6.6	7.4	6.6	5.2	4.8	4.3	5.6	6.0
* ALL STAR2 (CIS-PR-78)	6.2	7.0	6.3	7.4	6.6	5.7	4.9	4.7	5.0	6.0
* CHARISMATIC (LTP 98-501)	6.5	6.4	7.0	7.2	6.3	5.2	5.0	4.4	5.8	6.0
* INSPIRE (R8000)	7.0	6.6	6.7	6.9	6.6	4.5	5.1	4.4	5.8	6.0
QUEST II (ABT-99-4.721)	7.1	6.3	6.5	7.2	6.8	4.8	5.3	4.1	5.4	6.0
* ARRIVAL (CIS-PR-84)	6.0	6.0	6.6	7.4	6.5	5.7	5.0	4.3	5.8	6.0
* SPLENDID (MB 411)	6.0	7.0	6.4	7.2	6.5	5.8	4.8	4.1	5.6	5.9
* CABO (CIS-PR-80)	6.9	6.8	6.4	6.8	6.4	4.7	5.4	4.1	5.7	5.9
* SR 4420 (SRX 4820)	6.4	7.1	5.9	6.9	6.5	5.4	5.1	4.6	5.3	5.9
* BRIGHTSTAR SLT (PST-2A6B)	6.4	6.8	6.2	6.4	6.7	5.5	4.8	4.8	5.1	5.9
* CITATION FORE (PST-2BR)	5.6	6.8	6.4	6.9	6.7	4.7	5.1	4.3	6.1	5.8
* COURAGE (MB 410)	6.8	6.5	6.1	6.8	6.5	4.7	5.2	4.6	5.2	5.8
* KOKOMO (CIS-PR-69)	5.6	6.5	6.2	7.6	6.2	5.1	5.4	4.5	5.3	5.8
* PINNACLE II (BAR 9 B2)	6.6	6.0	6.5	7.1	6.4	5.0	4.8	4.3	5.8	5.8
* PARAGON	6.0	6.9	6.3	7.2	6.4	4.8	4.9	4.3	5.5	5.8
* HAWKEYE (SRX 4RHT)	7.0	6.6	6.1	6.7	6.4	5.1	4.7	4.4	5.3	5.8
* MACH 1 (ROBERTS-627)	4.9	6.3	7.4	6.1	6.3	5.4	5.5	4.1	6.3	5.8
* EXACTA	5.6	6.5	6.3	7.1	6.4	4.9	4.8	5.1	5.5	5.8
* CHURCHILL	7.0	5.6	6.4	6.8	6.4	5.3	4.7	4.6	5.3	5.8
PST-2SBE	6.6	6.5	5.9	6.4	6.6	5.4	5.5	4.1	5.2	5.8
* ELFKIN	6.4	6.8	6.0	6.4	6.9	4.5	5.3	4.4	5.4	5.8
* RADIANT	5.5	6.7	6.5	6.8	6.4	5.7	4.8	4.0	5.7	5.8
* JET	6.4	6.6	6.5	6.5	6.7	5.1	4.7	4.0	5.4	5.8
* STELLAR (CIS-PR-72)	6.6	7.1	5.6	6.7	6.5	4.8	5.2	4.3	5.0	5.8
* SEVILLE II	6.4	6.7	6.0	7.2	6.3	4.2	5.1	4.5	5.5	5.8
* AMAZING (B1)	5.3	6.4	6.6	7.4	6.7	4.5	5.4	4.3	5.3	5.8
* PENTIUM (NJ-6401)	6.1	6.5	6.5	6.6	6.3	4.8	5.3	4.3	5.4	5.8
* TERRADYNE (A5C)	6.9	6.5	6.2	6.7	6.3	5.3	4.9	4.1	5.0	5.8
* IQ (CIS-PR-75)	5.9	6.5	6.3	6.6	6.5	5.4	5.0	4.7	5.1	5.8
DAZZLE (ABT-99-4.724)	4.8	6.3	6.0	7.3	6.7	5.6	5.0	4.4	5.5	5.7
SUNKISSED (ABT-99-4.834)	5.9	6.7	6.5	7.2	6.5	5.1	4.5	4.0	5.3	5.7
* ASCEND	6.5	6.5	6.1	6.2	6.7	5.0	5.0	4.4	5.2	5.7
DLF-LDD	6.4	6.5	6.4	5.7	6.3	5.0	5.2	4.7	5.3	5.7
* FIESTA 3	5.6	6.2	6.6	6.9	6.3	5.1	4.8	4.5	5.4	5.7
* AFFIRMED	6.4	6.3	6.2	6.5	6.6	4.6	5.0	4.5	5.3	5.7
* GALLERY (MB 412)	6.3	6.8	6.6	6.8	6.4	4.7	4.9	3.9	5.1	5.7
ABT-99-4.115	6.2	6.1	6.0	6.3	6.5	5.1	5.0	4.6	5.4	5.7
LPR 98-144	7.0	5.8	6.0	6.9	6.2	5.2	4.6	4.4	5.1	5.7
* CALYPSO II	6.0	5.8	6.3	6.6	6.7	5.1	5.1	4.9	4.9	5.7
* NEXUS	6.1	6.9	6.8	5.9	6.2	4.9	5.3	3.7	5.3	5.7
* MAJESTY	5.9	6.6	6.2	7.1	6.2	4.6	5.1	4.5	5.1	5.7
ABT-99-4.339	7.0	6.6	6.0	6.4	6.4	4.6	4.8	4.3	5.2	5.7

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" */
 2002 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	KY1	MD1	NE1	NY1	SD1	UT1	VA1	WA3	MEAN
* SUMMERSET (MB 413)	6.0	6.4	6.2	6.9	6.6	4.7	5.0	4.0	5.2	5.7
* SALINAS (PST-2SLX)	5.3	6.8	6.0	6.6	6.6	5.0	5.1	4.4	5.3	5.7
* PALMER III	6.6	5.5	6.0	6.5	6.6	5.1	5.0	4.4	5.3	5.7
* SR 4500	4.9	6.5	6.2	7.1	6.2	4.6	5.1	4.7	5.8	5.7
PST-2M4	6.6	6.7	6.0	6.4	6.7	4.4	5.2	3.9	5.1	5.7
* PENNANT II	7.2	5.8	6.0	6.4	6.4	4.5	5.3	3.9	5.3	5.7
* BARLENNIUM	5.3	5.8	6.8	6.6	6.3	4.7	5.0	4.4	5.9	5.6
* ADMIRE (JR-151)	6.9	6.0	5.9	6.7	6.3	4.5	4.6	4.7	5.1	5.6
ABT-99-4.815	6.3	6.1	5.6	6.7	6.8	4.5	5.3	4.2	5.0	5.6
* RACER II (PICK RC2)	5.9	6.8	6.1	6.4	6.5	4.1	4.8	4.8	5.1	5.6
ABT-99-4.464	6.1	6.3	5.8	6.7	6.5	4.4	5.0	4.3	5.4	5.6
* PREMIER II	5.3	6.2	6.1	6.6	6.4	4.9	4.9	4.7	5.5	5.6
* EXTREME (JR-317)	6.4	5.8	6.2	6.8	6.4	4.4	5.1	4.2	5.1	5.6
* PROMISE	5.7	6.6	6.4	6.7	6.4	4.8	4.6	4.1	5.1	5.6
* MANHATTAN 4 (PST-2CRL)	5.0	6.7	6.1	6.1	6.7	5.1	4.8	4.3	5.5	5.6
RENAISSANCE (APR 1233)	6.4	6.4	5.7	6.1	6.4	4.5	5.1	4.6	5.0	5.6
* CATALINA II (PST-CATS)	5.9	6.4	6.2	6.0	6.5	5.0	4.8	4.3	5.2	5.6
* WILMINGTON	6.0	6.1	6.5	6.2	6.6	5.2	4.7	3.9	5.1	5.6
* ICON (MB 414)	5.9	6.7	6.2	5.9	6.3	4.9	5.2	4.1	5.1	5.6
PST-2LA	6.0	5.8	6.0	6.4	6.5	5.0	5.0	4.4	5.0	5.6
* SR 4350 (APR 1237)	5.4	6.8	6.0	6.4	6.5	4.4	4.7	4.8	5.1	5.6
* RACER	7.4	6.0	6.3	6.2	6.3	3.9	4.9	4.4	4.8	5.6
* DIVINE	5.2	6.3	6.1	6.6	6.7	4.9	5.2	4.3	4.7	5.6
PICK PRNGS	5.7	6.1	6.0	6.5	6.3	4.5	5.0	4.6	5.3	5.6
ABT-99-4.965	5.7	6.5	6.0	6.3	6.6	4.7	5.2	4.0	4.8	5.5
PST-2JH	5.9	6.8	5.7	6.1	6.6	4.4	5.4	4.1	4.9	5.5
APR 1235	5.8	6.5	5.8	6.0	6.6	4.8	5.0	4.3	5.1	5.5
* SRX 4120	6.7	6.3	5.8	5.5	6.6	4.2	5.3	4.4	5.0	5.5
PST-2RT	5.6	6.7	5.4	6.3	6.4	5.0	5.0	4.5	4.9	5.5
* PACESETTER (6011)	6.0	5.9	5.9	5.7	6.7	4.9	5.0	4.2	5.3	5.5
* PLEASURE XL	5.8	6.1	6.2	6.2	6.5	4.0	5.2	4.4	5.1	5.5
CRUSIER (UT-1000)	5.0	6.3	6.2	6.3	6.7	4.6	5.0	4.3	5.2	5.5
ABT-99-4.560	5.0	6.8	6.1	6.3	6.6	4.6	4.9	4.2	5.1	5.5
* BRIGHTSTAR II	5.8	5.6	6.1	5.8	6.5	4.5	5.3	4.5	5.3	5.5
PICK PR QH-97	4.8	6.4	6.2	6.0	6.4	4.9	4.6	4.7	5.5	5.5
APR 776	6.7	6.1	5.6	6.6	6.3	4.3	4.8	4.6	4.5	5.5
* HEADSTART	6.6	5.4	6.0	6.4	6.1	5.0	4.7	3.8	5.4	5.5
* LINE DRIVE	6.3	6.1	5.9	6.1	6.7	4.0	4.7	4.2	5.4	5.5
ABT-99-4.600	5.9	6.3	5.3	6.3	6.6	4.8	5.2	3.9	4.9	5.5
APR 1232	6.7	6.3	5.4	5.8	6.5	4.0	5.3	4.4	4.9	5.5
PICK PR B-97	6.4	6.4	6.0	6.5	6.2	4.1	4.8	3.8	5.0	5.5
* PASSPORT	5.6	5.8	5.7	6.5	6.6	4.6	5.1	4.5	4.7	5.5
JR-128	5.3	6.0	5.8	6.6	6.3	4.5	4.7	4.6	5.0	5.4
* CATHEDRAL II	6.4	6.2	5.7	5.3	6.7	5.0	4.6	4.3	4.8	5.4
CAS-LP84	5.9	5.8	6.1	6.1	6.4	4.6	5.1	3.8	4.9	5.4
LPR 98-143	6.1	6.1	5.9	6.0	6.3	4.8	4.9	3.8	4.9	5.4
* PROWLER (APR 777)	5.5	6.3	5.8	6.3	6.5	3.7	5.1	4.3	5.1	5.4
* AFFINITY	6.3	5.9	5.3	5.8	6.4	4.2	5.1	4.8	4.8	5.4

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" */
 2002 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	KY1	MD1	NE1	NY1	SD1	UT1	VA1	WA3	MEAN
* PARADIGM (APR 1236)	5.7	6.5	5.6	6.2	6.3	4.8	4.8	4.2	4.6	5.4
* PHANTOM	5.2	5.7	5.8	6.2	6.6	4.3	5.6	4.1	5.0	5.4
* CATALINA	6.3	5.5	6.2	5.0	6.7	4.5	5.4	3.6	5.3	5.4
PST-2CRR	5.6	5.5	5.9	6.4	6.7	5.1	4.6	3.8	4.8	5.4
* PANTHER	6.0	5.3	5.7	6.7	6.3	4.4	5.0	4.0	5.1	5.4
PICK EX2	5.0	6.0	5.5	6.1	6.8	4.4	5.1	4.5	4.9	5.4
* SUPERSTAR (EP57)	6.4	6.5	5.8	5.6	6.4	4.7	4.6	3.7	4.8	5.4
MP88	5.1	5.9	6.1	6.2	6.6	4.7	5.1	3.8	4.8	5.4
* CHARGER II	7.1	5.5	5.5	6.3	6.6	3.8	4.9	3.9	4.7	5.4
EPD	5.6	6.6	6.0	5.5	6.4	4.6	4.9	3.8	4.9	5.4
* MANHATTAN 3	7.0	5.8	5.9	5.6	6.6	4.3	4.6	3.7	4.6	5.4
MP107	5.5	5.3	6.0	6.4	6.4	4.8	5.3	3.6	4.8	5.4
PICK PR 1-94	5.7	6.0	6.0	6.6	6.1	4.4	4.6	4.3	4.5	5.4
APR 1231	5.4	5.6	5.9	6.1	6.5	4.6	4.6	4.2	5.1	5.3
MP103	5.7	5.8	5.4	6.2	6.6	4.7	4.9	3.8	4.7	5.3
* MONTEREY II (JR-187)	4.4	6.0	5.7	6.5	6.4	4.3	5.1	4.0	5.2	5.3
* SECRETARIAT	5.4	5.9	5.6	6.0	6.3	4.2	5.1	4.4	4.8	5.3
WVPB-R-84	5.5	5.5	6.0	5.8	6.6	4.5	4.6	4.5	4.8	5.3
MDP	5.3	6.2	6.1	6.2	6.1	4.4	4.9	4.0	4.5	5.3
MEPY	5.0	5.8	6.0	6.2	6.4	5.3	4.7	3.7	4.4	5.3
PROTYME (ABT-99-4.625)	5.8	6.0	5.6	5.6	6.7	4.3	4.7	4.1	4.6	5.3
DP 17-9391	6.2	5.2	5.7	5.6	6.6	4.1	5.1	4.3	4.6	5.3
BY-100	6.0	6.0	5.2	5.8	6.5	4.0	5.2	4.0	4.4	5.2
LTP-ME	5.9	5.3	5.5	5.6	6.6	4.9	4.2	4.2	4.9	5.2
* ALLSPORT	5.9	5.2	5.7	5.7	6.4	4.2	4.8	4.3	4.8	5.2
KOOS R-71	5.4	5.6	5.7	5.7	6.5	4.1	5.2	4.1	4.6	5.2
* SKYHAWK	5.5	5.8	5.6	6.2	6.4	4.3	4.8	3.9	4.2	5.2
EP53	4.9	5.9	5.6	5.6	6.3	4.3	4.7	4.2	4.8	5.1
* PROSPORT (AG-P981)	5.1	5.3	5.7	5.6	6.4	4.6	4.9	3.8	4.6	5.1
* EDGE	6.1	5.3	5.5	4.9	6.7	3.6	4.7	4.4	4.7	5.1
WVPB-R-82	5.6	4.7	5.3	5.1	6.6	4.5	5.1	4.2	4.2	5.1
DP 17-9069	5.5	5.4	4.9	5.3	6.6	4.0	5.2	4.1	4.3	5.0
* PREMIER	4.5	5.9	4.8	5.3	6.6	4.2	5.1	3.9	4.2	4.9
* BUCCANEER	5.1	5.2	5.2	4.7	6.2	4.2	5.1	4.2	4.1	4.9
* YATSUGREEN	5.3	4.9	5.3	5.3	6.4	3.7	4.6	4.2	4.4	4.9
APR 1234	5.6	6.0	4.9	4.6	6.5	3.7	4.8	4.0	4.0	4.9
DP LP-1	6.1	5.3	4.3	5.4	6.3	3.8	4.8	3.7	4.3	4.9
DP 17-9496	4.7	4.5	4.0	3.5	6.5	2.8	4.4	3.8	3.6	4.2
* LINN	2.1	1.5	3.0	1.6	6.2	2.5	3.5	2.8	2.9	2.9
LSD VALUE	1.9	0.9	0.5	1.1	0.5	0.9	0.7	0.7	0.4	0.3
C.V. (%)	20.2	9.2	5.5	11.0	5.1	11.7	8.8	9.6	5.5	10.8

* COMMERCIALY AVAILABLE IN THE USA IN 2003.

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

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

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT EIGHT LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
 2002 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA6	IL1	ME1	MI1	NJ1	NJ2	PA1	RI1	MEAN
CHARISMATIC (LTP 98-501)	6.6	6.8	8.6	6.2	6.5	6.8	7.6	7.5	7.0
MACH 1 (ROBERTS-627)	6.6	6.8	8.8	6.2	6.3	7.5	7.2	7.0	7.0
PIZZAZZ	6.7	6.8	8.6	5.7	6.7	7.0	7.4	7.0	7.0
ALL STAR2 (CIS-PR-78)	6.7	6.9	8.7	5.8	6.7	7.0	7.2	6.8	7.0
APPLAUD (PENNINGTON-11301)	6.8	6.9	8.4	6.2	6.3	6.8	7.3	6.8	6.9
SR 4220 (SRX 4801)	6.5	6.9	8.5	5.8	6.0	6.5	8.0	7.5	6.9
GRAND SLAM 2L96 (PST-2L96)	6.5	7.1	8.4	5.9	6.9	6.1	7.4	7.0	6.9
PINNACLE II (BAR 9 B2)	6.6	6.7	8.6	6.8	6.2	6.5	6.9	7.0	6.9
PENTIUM (NJ-6401)	6.8	7.0	8.3	6.0	6.6	6.1	7.7	6.7	6.9
JET	6.5	6.8	8.4	5.8	5.9	6.1	7.7	7.5	6.8
KOKOMO (CIS-PR-69)	6.6	6.8	8.1	5.7	6.0	6.7	7.4	7.0	6.8
AMAZING (B1)	6.8	6.7	8.2	6.0	6.5	6.7	6.9	6.7	6.8
CITATION FORE (PST-2BR)	6.2	6.6	8.1	5.9	6.1	6.7	7.6	7.0	6.8
SEVILLE II	6.5	6.7	8.4	5.7	5.8	6.1	7.6	7.2	6.8
GATOR 3 (CIS-PR-85)	6.4	6.6	8.3	6.0	6.2	6.9	7.0	6.7	6.7
SR 4420 (SRX 4820)	6.3	6.6	8.7	5.6	5.8	6.2	7.2	7.7	6.7
INSPIRE (R8000)	6.5	6.3	8.4	6.0	5.6	6.0	7.5	7.7	6.7
ABT-99-4.560	6.5	6.9	8.2	5.8	5.7	5.8	7.6	7.0	6.7
HAWKEYE (SRX 4RHT)	6.3	6.1	8.7	5.8	5.7	5.8	7.3	7.7	6.7
SUNKISSED (ABT-99-4.834)	6.6	6.5	8.3	5.8	5.9	6.4	7.2	6.5	6.7
DLF-LDD	6.6	6.8	8.4	5.8	5.8	5.6	7.4	6.7	6.6
EXACTA	6.4	7.0	8.2	5.6	5.3	5.4	7.5	7.5	6.6
ARRIVAL (CIS-PR-84)	6.3	6.3	8.3	5.7	6.3	6.5	6.9	6.5	6.6
SR 4500	6.8	7.0	8.3	5.6	5.4	5.4	7.2	7.0	6.6
DAZZLE (ABT-99-4.724)	6.6	6.5	7.8	5.8	5.6	6.0	7.4	7.0	6.6
PROMISE	6.7	6.4	8.0	5.8	5.3	5.8	7.5	7.0	6.6
CHURCHILL	6.6	6.5	8.2	5.5	5.2	5.7	7.2	7.5	6.6
SPLENDID (MB 411)	6.5	6.0	8.4	5.5	5.8	5.0	7.5	7.7	6.6
PARAGON	6.4	6.7	8.3	5.9	4.7	6.2	7.3	6.8	6.5
QUEST II (ABT-99-4.721)	6.3	6.5	7.9	5.9	5.9	6.0	7.6	6.2	6.5
BLAZER IV (PICK MDR)	6.4	6.6	8.3	6.2	6.0	6.1	7.1	5.7	6.5
MANHATTAN 4 (PST-2CRL)	6.6	6.3	7.9	5.8	6.0	5.8	7.6	6.2	6.5
STELLAR (CIS-PR-72)	6.1	6.0	7.9	5.8	6.2	5.5	7.3	7.3	6.5
ABT-99-4.115	6.3	6.6	8.3	5.5	5.6	6.0	7.3	6.3	6.5
PICK PR B-97	5.9	6.3	8.3	5.5	5.9	5.5	6.9	7.5	6.5
AFFIRMED	6.3	7.1	8.2	5.8	4.9	5.3	7.1	7.2	6.5
PST-2LA	6.5	6.2	7.6	6.0	5.8	5.5	7.6	6.5	6.5
NEXUS	6.2	6.0	8.3	5.7	6.0	5.7	6.6	7.2	6.4
SALINAS (PST-2SLX)	6.6	6.0	7.9	5.9	6.0	5.6	6.9	6.5	6.4
PACESETTER (6011)	6.5	5.9	7.6	5.7	6.0	5.6	7.6	6.7	6.4
COURAGE (MB 410)	6.3	6.3	8.4	5.7	6.0	4.8	7.2	6.7	6.4
CABO (CIS-PR-80)	6.7	6.1	8.3	5.5	5.3	5.7	7.2	6.7	6.4
ABT-99-4.464	6.0	6.7	8.3	5.9	5.0	5.6	7.5	6.5	6.4
FIESTA 3	6.5	6.6	8.3	5.7	4.9	5.3	7.0	7.2	6.4
CALYPSO II	6.8	6.6	8.0	5.6	4.8	4.7	7.3	7.3	6.4

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT EIGHT LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
 2002 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA6	IL1	ME1	MI1	NJ1	NJ2	PA1	RI1	MEAN
BRIGHTSTAR SLT (PST-2A6B)	6.6	6.4	7.9	5.7	5.6	5.3	7.1	6.5	6.4
BRIGHTSTAR II	6.4	6.0	7.7	5.5	6.3	5.8	6.6	6.7	6.4
TERRADYNE (A5C)	6.5	5.8	7.8	5.8	5.9	5.5	7.2	6.5	6.4
PALMER III	6.0	6.2	8.4	5.6	5.1	5.2	7.1	7.3	6.4
PST-2SBE	6.3	6.0	7.8	5.5	5.6	5.1	7.4	7.3	6.4
ABT-99-4.339	6.2	6.5	7.9	5.6	5.3	5.0	7.5	6.8	6.4
GALLERY (MB 412)	6.1	6.2	7.9	5.5	6.0	5.8	6.8	6.5	6.3
PST-2RT	6.3	6.1	7.9	5.6	5.3	5.2	7.2	7.0	6.3
LTP-ME	6.5	6.2	7.9	5.8	5.4	5.0	7.1	6.8	6.3
PST-2JH	6.2	6.0	7.8	5.8	5.3	4.9	7.4	7.3	6.3
RADIANT	6.1	5.8	8.2	5.6	5.1	5.3	7.3	7.2	6.3
ELFKIN	6.1	6.3	8.4	5.9	5.7	5.0	6.8	6.2	6.3
PICK PR 1-94	6.9	6.2	7.7	5.4	5.3	5.2	6.9	6.7	6.3
PST-2M4	6.4	6.4	8.0	5.5	5.0	5.0	7.2	6.8	6.3
MAJESTY	6.7	6.2	8.2	5.8	5.0	4.9	7.1	6.5	6.3
SUMMERSET (MB 413)	5.9	5.6	8.1	5.3	5.6	5.3	7.3	7.2	6.3
PROTYME (ABT-99-4.625)	6.5	5.6	8.1	5.6	5.4	4.9	7.5	6.7	6.3
PREMIER II	6.0	6.4	8.1	5.8	5.3	5.0	7.4	6.2	6.3
CRUSIER (UT-1000)	6.1	5.8	8.3	5.4	5.8	5.3	6.8	6.8	6.3
ABT-99-4.965	6.4	5.8	7.6	5.9	5.3	5.0	7.2	6.8	6.3
ADMIRE (JR-151)	5.9	6.4	8.1	5.3	4.8	5.0	7.3	7.3	6.3
PICK PRNGS	5.9	6.8	8.1	5.8	4.5	4.7	6.9	7.2	6.2
MP107	6.0	5.8	8.3	5.4	5.4	5.3	6.9	6.8	6.2
PICK PR QH-97	6.3	6.0	8.1	5.9	5.3	5.3	6.9	6.0	6.2
MDP	6.4	5.3	8.4	5.7	5.0	4.5	7.2	7.3	6.2
BARLENNIUM	6.6	6.4	7.4	5.5	5.4	5.0	6.7	6.7	6.2
CATALINA II (PST-CATS)	6.3	5.6	7.9	5.6	4.8	5.0	7.1	7.5	6.2
MONTEREY II (JR-187)	6.0	6.3	8.2	5.3	4.9	4.8	7.3	6.8	6.2
RACER II (PICK RC2)	6.4	6.4	7.7	5.5	4.8	5.3	6.8	6.8	6.2
ICON (MB 414)	6.0	5.5	7.7	5.4	5.5	5.1	6.7	7.7	6.2
IQ (CIS-PR-75)	6.8	5.5	8.1	5.7	5.1	5.5	7.0	5.8	6.2
PST-2CRR	6.2	5.8	8.3	5.8	4.8	4.7	7.3	6.7	6.2
MP88	6.5	5.6	7.9	5.4	5.6	4.6	7.2	6.7	6.2
WILMINGTON	6.3	5.3	7.9	5.7	5.9	4.5	7.1	6.7	6.2
APR 776	6.4	6.3	7.7	5.5	4.9	4.4	7.6	6.7	6.2
SECRETARIAT	6.0	6.8	7.8	5.5	4.2	4.9	7.1	7.2	6.2
PENNANT II	5.8	5.4	7.9	5.4	5.0	5.2	7.5	7.2	6.2
MANHATTAN 3	6.3	6.6	7.8	5.6	4.6	4.7	7.2	6.5	6.2
ASCEND	5.9	6.4	7.7	5.4	5.1	5.0	6.6	7.3	6.2
ABT-99-4.815	6.1	6.1	8.1	5.4	4.7	4.7	7.1	7.2	6.2
CATALINA	6.4	6.1	7.6	5.7	4.8	4.8	7.1	6.8	6.2
LINE DRIVE	6.2	6.0	7.7	5.7	5.3	4.5	7.1	6.7	6.2
PLEASURE XL	6.2	6.1	7.7	5.4	5.0	4.3	7.2	7.2	6.1
APR 1231	6.0	6.2	7.7	5.4	4.7	4.4	7.3	7.3	6.1
CHARGER II	6.2	6.0	8.0	5.4	4.0	4.3	7.1	8.0	6.1
PANTHER	6.1	6.0	7.3	5.6	4.5	4.7	7.6	7.2	6.1
CATHEDRAL II	6.4	5.9	7.6	5.5	4.3	5.0	7.6	6.8	6.1
DIVINE	6.2	6.1	7.9	5.7	4.7	4.5	7.3	6.5	6.1

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT EIGHT LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
 2002 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA6	IL1	ME1	MI1	NJ1	NJ2	PA1	RI1	MEAN
SR 4350 (APR 1237)	5.9	6.2	7.4	5.6	4.3	4.3	7.5	7.5	6.1
APR 1235	6.3	6.3	7.6	5.4	4.5	4.4	7.2	7.0	6.1
APR 1232	6.2	6.4	7.2	5.5	4.2	4.3	7.6	7.3	6.1
PARADIGM (APR 1236)	6.1	5.6	7.8	5.4	5.0	4.8	6.4	7.3	6.1
RENAISSANCE (APR 1233)	6.5	6.0	7.2	5.3	4.5	4.6	7.3	7.2	6.1
PHANTOM	6.0	5.8	7.9	5.6	4.4	4.7	7.0	6.8	6.0
EPD	5.9	5.7	8.0	5.6	5.0	4.0	6.7	7.3	6.0
PROWLER (APR 777)	5.8	6.0	7.3	5.2	5.0	4.5	7.4	6.8	6.0
SKYHAWK	6.2	5.8	7.6	5.5	5.0	4.5	6.9	6.5	6.0
SUPERSTAR (EP57)	6.0	5.5	7.9	5.5	5.1	4.2	6.6	7.0	6.0
PICK EX2	6.1	6.5	7.4	5.4	3.5	4.3	7.0	7.7	6.0
RACER	6.2	5.7	7.7	5.2	4.5	4.2	6.8	7.3	5.9
SRX 4120	6.1	5.9	7.7	5.4	4.4	3.8	6.7	7.5	5.9
EP53	5.8	5.0	7.5	5.5	4.6	4.8	7.1	7.2	5.9
AFFINITY	6.3	6.2	6.8	5.3	3.7	4.1	6.9	7.8	5.9
CAS-LP84	6.0	5.3	7.8	5.4	4.5	4.7	6.7	6.8	5.9
EXTREME (JR-317)	6.0	6.0	7.6	5.5	4.8	4.5	6.9	5.8	5.9
MEPY	6.1	5.4	7.8	5.5	5.0	4.9	7.0	5.3	5.9
ALLSPORT	6.0	5.6	7.7	5.5	4.3	4.3	7.0	6.5	5.9
ABT-99-4.600	6.0	6.2	7.5	5.3	4.4	4.0	7.1	6.2	5.8
LPR 98-144	5.9	5.4	7.4	5.4	4.2	4.3	7.4	6.7	5.8
JR-128	6.2	6.2	7.5	5.2	4.3	4.1	6.9	6.2	5.8
PROSPORT (AG-P981)	6.1	5.3	7.3	5.4	4.9	4.1	6.6	6.8	5.8
HEADSTART	6.3	5.6	7.9	5.3	4.2	4.3	6.7	6.0	5.8
MP103	6.3	5.3	7.9	5.5	4.5	4.3	6.6	5.8	5.8
PASSPORT	6.6	5.5	7.3	5.2	4.8	4.3	6.7	5.8	5.8
WVPB-R-84	5.8	5.9	7.3	5.2	3.8	3.8	6.2	8.0	5.8
BY-100	5.9	5.8	7.2	5.4	3.6	3.9	7.3	6.7	5.7
LPR 98-143	6.2	5.6	7.7	5.3	3.5	3.7	6.4	7.2	5.7
KOOS R-71	6.4	5.6	7.2	5.2	3.9	4.0	6.3	7.0	5.7
EDGE	6.0	6.0	7.0	5.3	3.4	3.5	7.2	7.0	5.7
PREMIER	5.7	5.8	7.7	5.3	3.9	3.8	6.8	6.0	5.6
DP LP-1	6.1	5.6	6.7	5.1	3.7	3.4	7.2	7.0	5.6
YATSUGREEN	5.9	5.7	6.9	5.3	3.1	3.5	6.7	7.7	5.6
DP 17-9069	6.2	5.7	6.8	5.2	3.1	3.4	6.8	7.0	5.5
BUCCANEER	5.9	6.0	6.7	5.2	3.5	3.6	6.1	7.0	5.5
WVPB-R-82	5.7	5.3	6.9	5.3	3.5	3.4	6.4	7.2	5.5
DP 17-9391	5.6	6.0	6.3	5.1	3.3	3.0	6.6	7.3	5.4
APR 1234	6.0	5.9	6.6	5.3	3.2	3.1	6.7	6.5	5.4
DP 17-9496	5.2	4.8	5.7	4.8	2.4	1.7	6.1	7.0	4.7
LINN	4.5	3.1	5.1	4.5	1.1	1.0	3.3	6.2	3.6
LSD VALUE	0.5	0.6	0.7	0.5	0.9	0.8	0.7	1.4	0.3
C.V. (%)	5.4	6.3	5.9	5.7	11.1	9.8	6.5	12.9	8.3

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

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

TABLE 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)" */
 2002 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL2	IN1	MO1	QE1	WA1	WI1	MEAN
GATOR 3 (CIS-PR-85)	7.7	6.1	5.1	5.0	5.5	7.2	5.7	6.1
MACH 1 (ROBERTS-627)	7.6	6.1	5.3	4.5	5.5	7.5	5.8	6.0
APPLAUD (PENNINGTON-11301)	7.4	6.0	5.3	4.8	6.1	6.7	5.8	6.0
ALL STAR2 (CIS-PR-78)	7.7	6.1	5.3	4.8	5.9	7.0	5.4	6.0
DLF-LDD	7.1	5.8	5.3	4.8	5.8	6.9	5.9	5.9
SR 4220 (SRX 4801)	7.3	5.9	5.0	4.9	5.6	7.1	5.8	5.9
PREMIER II	7.3	6.5	5.0	4.5	6.2	6.4	5.5	5.9
PENTIUM (NJ-6401)	7.2	6.1	5.3	5.1	5.4	7.0	5.5	5.9
BLAZER IV (PICK MDR)	7.5	5.5	5.2	4.8	5.7	6.8	6.0	5.9
AMAZING (B1)	7.3	5.4	5.1	5.2	5.5	7.0	5.8	5.9
RACER II (PICK RC2)	7.4	6.1	5.0	5.0	5.5	6.7	5.6	5.9
PIZZAZZ	7.6	6.2	5.3	4.6	5.2	6.9	5.5	5.9
PINNACLE II (BAR 9 B2)	7.9	5.2	4.9	4.8	5.6	7.2	5.7	5.9
HAWKEYE (SRX 4RHT)	7.3	5.5	5.0	4.6	6.0	7.2	5.4	5.9
INSPIRE (R8000)	7.3	5.8	5.3	4.9	5.8	6.6	5.5	5.9
FIESTA 3	7.0	6.1	5.0	4.5	5.9	6.8	5.7	5.9
SR 4500	6.8	6.4	5.2	4.9	5.6	6.4	5.7	5.9
CITATION FORE (PST-2BR)	7.7	5.7	5.0	4.7	5.4	6.9	5.5	5.9
BARLENNIUM	7.3	5.6	5.1	5.1	5.7	6.9	5.3	5.8
SEVILLE II	7.4	5.4	5.2	4.5	6.0	6.8	5.5	5.8
BRIGHTSTAR II	7.2	5.2	5.1	4.8	6.1	7.0	5.6	5.8
SR 4420 (SRX 4820)	7.3	5.9	5.2	4.5	5.3	6.8	5.8	5.8
PACESETTER (6011)	7.1	5.9	5.2	4.7	5.9	6.3	5.7	5.8
CHURCHILL	7.3	6.0	5.0	4.8	5.6	6.8	5.3	5.8
JET	7.1	5.9	5.0	4.8	5.9	6.6	5.4	5.8
AFFIRMED	7.0	5.7	5.1	4.5	6.1	6.6	5.5	5.8
ABT-99-4.560	7.4	5.5	5.1	4.7	5.4	6.6	6.0	5.8
PST-2LA	7.6	6.0	5.1	4.5	5.3	6.3	5.8	5.8
ABT-99-4.464	7.1	5.7	5.0	5.2	5.6	6.5	5.4	5.8
CHARISMATIC (LTP 98-501)	7.3	5.9	5.3	4.5	5.3	6.9	5.3	5.8
GRAND SLAM 2L96 (PST-2L96)	7.2	6.2	5.1	4.7	5.3	6.5	5.7	5.8
SUNKISSED (ABT-99-4.834)	7.6	5.3	5.3	4.3	5.3	6.9	5.8	5.8
PARAGON	7.2	5.7	5.0	4.7	5.3	6.8	5.8	5.8
BRIGHTSTAR SLT (PST-2A6B)	7.2	5.2	5.1	4.6	5.6	7.1	5.5	5.8
PICK PR QH-97	7.0	5.3	5.1	4.6	5.7	7.0	5.5	5.8
QUEST II (ABT-99-4.721)	7.0	5.3	5.1	4.7	5.9	6.9	5.5	5.7
PST-2SBE	7.1	5.5	5.1	4.8	5.4	6.9	5.4	5.7
JR-128	7.1	5.9	5.1	4.7	5.8	6.2	5.4	5.7
EXACTA	6.9	5.5	5.1	4.7	5.7	6.7	5.6	5.7
CALYPSO II	7.0	5.6	5.2	4.9	5.6	6.1	5.8	5.7
ABT-99-4.115	7.1	5.9	5.1	4.5	5.8	6.1	5.7	5.7
ARRIVAL (CIS-PR-84)	7.6	5.4	5.0	4.4	5.6	6.6	5.5	5.7
RACER	7.3	5.9	5.0	4.6	5.9	6.3	5.2	5.7
PST-2RT	7.2	5.8	5.2	4.8	5.7	6.0	5.4	5.7
PST-2M4	7.7	5.2	5.3	4.7	5.7	6.0	5.5	5.7

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)" */
 2002 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL2	IN1	MO1	QE1	WA1	WI1	MEAN
COURAGE (MB 410)	7.3	6.1	5.0	4.3	5.7	6.5	5.2	5.7
DAZZLE (ABT-99-4.724)	7.5	5.2	5.0	4.4	5.6	6.8	5.5	5.7
SR 4350 (APR 1237)	7.0	6.3	5.2	4.6	5.6	6.0	5.4	5.7
PST-2JH	7.0	6.0	5.3	4.4	5.4	6.1	5.7	5.7
MANHATTAN 4 (PST-2CRL)	7.3	5.2	5.0	4.5	5.7	6.6	5.6	5.7
LPR 98-144	7.2	5.7	4.9	4.3	6.2	6.4	5.2	5.7
LINE DRIVE	6.8	5.8	5.0	4.5	5.8	6.3	5.5	5.7
ADMIRE (JR-151)	6.9	5.4	5.1	4.6	6.0	6.3	5.5	5.7
KOKOMO (CIS-PR-69)	7.1	5.5	5.1	4.3	5.6	6.7	5.5	5.7
CABO (CIS-PR-80)	7.6	4.6	5.0	4.2	5.7	7.0	5.6	5.7
TERRADYNE (A5C)	7.1	5.0	4.8	5.0	5.8	6.6	5.3	5.7
ELFKIN	7.3	4.8	5.0	4.6	5.8	6.5	5.6	5.7
DIVINE	6.9	5.8	5.1	4.3	6.2	6.0	5.3	5.6
SALINAS (PST-2SLX)	6.9	4.8	5.2	4.2	5.9	6.8	5.7	5.6
SPLENDID (MB 411)	7.1	5.3	4.8	4.6	5.6	6.6	5.5	5.6
MONTEREY II (JR-187)	7.1	5.8	5.0	4.3	5.9	6.0	5.5	5.6
MAJESTY	6.9	5.2	5.1	4.3	5.8	6.5	5.7	5.6
PROWLER (APR 777)	6.8	6.4	5.2	4.5	5.9	5.4	5.2	5.6
SECRETARIAT	6.7	6.3	4.9	4.4	6.1	5.6	5.5	5.6
GALLERY (MB 412)	7.2	5.0	5.0	4.4	5.6	7.0	5.3	5.6
ABT-99-4.339	6.8	5.4	5.0	4.3	5.9	6.3	5.7	5.6
PICK PRNGS	7.2	5.1	5.1	4.5	5.6	6.1	5.6	5.6
APR 1231	7.2	5.9	5.1	4.6	5.6	5.7	5.2	5.6
APR 1235	6.7	5.6	5.0	4.1	6.1	6.5	5.1	5.6
APR 1232	6.9	6.0	5.0	4.4	5.9	5.6	5.3	5.6
MANHATTAN 3	7.2	4.9	5.1	4.6	5.9	6.1	5.4	5.6
IQ (CIS-PR-75)	6.9	5.4	4.6	4.7	5.3	6.8	5.5	5.6
WILMINGTON	7.6	4.9	5.0	4.5	5.5	6.6	5.3	5.6
RADIANT	7.0	5.0	4.8	4.6	5.4	7.0	5.4	5.6
PARADIGM (APR 1236)	7.0	5.3	5.0	4.5	5.4	6.3	5.5	5.6
PLEASURE XL	7.2	5.8	4.9	4.5	5.4	6.1	5.1	5.6
SUPERSTAR (EP57)	7.1	5.3	4.9	4.3	5.6	6.5	5.3	5.6
PICK PR 1-94	6.7	5.3	4.9	4.2	5.8	6.9	5.1	5.5
CRUSIER (UT-1000)	7.1	5.2	5.1	4.4	5.6	6.4	5.0	5.5
ICON (MB 414)	7.3	5.3	4.8	4.3	5.0	6.8	5.3	5.5
CATHEDRAL II	6.8	4.9	5.1	4.8	5.1	6.5	5.3	5.5
STELLAR (CIS-PR-72)	7.1	4.9	5.0	4.0	5.2	6.7	5.6	5.5
NEXUS	6.8	5.3	4.9	4.4	5.2	6.5	5.4	5.5
PHANTOM	7.3	4.5	4.7	4.3	5.8	6.6	5.3	5.5
ASCEND	7.2	5.3	4.8	4.4	5.4	6.0	5.2	5.5
AFFINITY	6.7	5.5	4.8	4.5	5.9	5.3	5.5	5.5
ABT-99-4.600	7.0	5.3	5.3	4.4	5.3	6.0	5.1	5.5
PICK PR B-97	6.8	5.2	5.2	4.2	4.8	7.0	5.2	5.5
EXTREME (JR-317)	6.7	5.2	5.1	4.0	5.4	6.6	5.3	5.5
PST-2CRR	7.3	4.7	4.9	4.5	5.2	6.4	5.3	5.5
LTP-ME	7.2	4.9	4.9	4.5	4.8	6.7	5.2	5.5
ABT-99-4.815	6.8	4.7	5.0	4.4	5.2	6.6	5.4	5.4
CATALINA	7.1	4.7	5.1	4.3	5.3	6.3	5.4	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)" */
2002 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL2	IN1	MO1	QE1	WA1	WI1	MEAN
APR 776	7.1	5.1	5.0	4.6	5.3	5.7	5.3	5.4
CATALINA II (PST-CATS)	7.0	4.9	5.0	4.3	5.7	6.0	5.3	5.4
SUMMERSET (MB 413)	7.1	4.5	4.8	5.1	5.1	6.6	5.0	5.4
MP103	7.0	4.2	4.6	4.2	5.9	6.8	5.4	5.4
SRX 4120	6.7	6.0	4.8	4.1	5.4	5.5	5.5	5.4
CHARGER II	6.9	5.0	4.8	4.5	5.8	5.7	5.3	5.4
PROMISE	7.0	4.6	5.0	4.2	5.2	6.8	5.1	5.4
RENAISSANCE (APR 1233)	6.9	5.1	5.0	4.0	5.7	6.0	5.1	5.4
PENNANT II	7.5	3.7	4.9	4.2	5.9	6.3	5.4	5.4
ALLSPORT	7.2	4.9	5.0	4.0	5.4	6.1	5.3	5.4
EPD	7.1	4.3	4.9	3.9	5.6	6.6	5.5	5.4
ABT-99-4.965	7.3	4.9	4.9	3.8	4.9	6.8	5.2	5.4
PALMER III	7.3	4.3	4.9	4.1	5.2	6.2	5.7	5.4
MEPY	6.7	4.5	4.8	4.5	5.4	6.4	5.2	5.4
BY-100	6.8	5.2	5.0	4.3	6.0	4.9	5.4	5.4
MP107	7.1	4.2	4.9	4.4	5.3	6.3	5.4	5.4
PROTYME (ABT-99-4.625)	7.1	5.3	4.7	4.3	4.9	6.3	4.9	5.4
PROSPORT (AG-P981)	7.4	4.3	5.0	4.1	5.4	6.2	5.2	5.4
WVPB-R-84	6.6	5.4	4.9	4.3	5.3	5.8	5.2	5.3
PREMIER	6.9	5.2	4.8	4.1	5.5	5.4	5.3	5.3
CAS-LP84	7.0	3.8	4.7	4.2	5.6	6.5	5.3	5.3
EDGE	6.3	4.6	5.0	4.3	5.9	5.5	5.5	5.3
MDP	7.2	4.3	4.8	4.4	4.8	6.5	5.3	5.3
SKYHAWK	7.2	4.0	4.9	4.0	5.6	6.1	5.2	5.3
EP53	6.7	4.3	4.9	4.4	5.6	6.0	5.3	5.3
PICK EX2	6.7	5.5	5.0	4.2	4.7	5.5	5.3	5.3
APR 1234	6.9	5.5	4.7	4.2	5.3	5.3	5.0	5.3
PANTHER	7.1	3.4	4.8	4.1	5.2	6.5	5.7	5.3
KOOS R-71	6.6	4.9	4.8	4.0	5.7	5.8	5.2	5.3
PASSPORT	6.7	4.1	4.8	4.0	5.7	5.9	5.5	5.3
MP88	7.1	4.0	4.9	4.6	4.4	6.4	5.4	5.3
HEADSTART	7.1	4.4	4.9	3.9	4.7	6.1	5.4	5.2
LPR 98-143	6.8	4.5	4.5	3.9	5.1	6.2	5.3	5.2
YATSUGREEN	6.3	4.9	4.8	4.2	5.8	4.8	5.4	5.2
DP 17-9069	6.7	4.3	4.8	4.3	5.9	4.7	5.5	5.1
DP LP-1	6.9	4.3	4.8	4.0	5.7	4.9	5.4	5.1
WVPB-R-82	6.7	4.1	4.7	3.8	5.4	5.7	5.4	5.1
BUCCANEER	6.8	4.4	4.8	4.0	5.1	5.2	5.2	5.1
DP 17-9391	6.2	4.7	5.0	4.3	5.0	5.0	5.3	5.0
DP 17-9496	6.0	3.9	4.4	3.7	6.0	3.7	4.7	4.6
LINN	5.2	1.6	3.3	3.0	5.8	3.0	4.1	3.7
LSD VALUE	0.6	0.9	0.3	0.7	1.1	0.7	0.4	0.3
C.V. (%)	5.5	10.9	3.4	9.6	12.1	6.6	4.5	7.9

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 4.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT THREE LOCATIONS 1/
2002 DATA

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

NAME	M03	NJ3	NY2	MEAN	NAME	M03	NJ3	NY2	MEAN
GRAND SLAM 2L96 (PST-2L96)	5.6	6.6	6.0	6.1	RACER II (PICK RC2)	5.1	5.5	6.1	5.6
COURAGE (MB 410)	5.1	6.8	6.3	6.0	SEVILLE II	5.1	5.3	6.3	5.6
ABT-99-4.560	5.2	6.8	6.0	6.0	ABT-99-4.464	5.2	5.4	6.1	5.6
KOKOMO (CIS-PR-69)	4.9	6.7	6.5	6.0	SR 4500	5.3	5.3	6.0	5.6
GATOR 3 (CIS-PR-85)	5.3	6.4	6.3	6.0	ARRIVAL (CIS-PR-84)	5.0	5.3	6.4	5.6
STELLAR (CIS-PR-72)	5.2	6.8	6.0	6.0	BRIGHTSTAR II	4.8	5.8	6.0	5.6
PST-2JH	5.2	6.6	6.1	6.0	EXACTA	5.3	5.2	6.3	5.6
SR 4220 (SRX 4801)	5.5	6.3	6.1	6.0	ABT-99-4.965	4.8	5.9	6.0	5.5
PROWLER (APR 777)	4.7	7.3	5.8	5.9	JET	4.7	6.1	5.8	5.5
CITATION FORE (PST-2BR)	5.4	6.0	6.3	5.9	MACH 1 (ROBERTS-627)	5.3	4.9	6.4	5.5
SR 4350 (APR 1237)	5.1	6.4	6.2	5.9	MANHATTAN 3	5.0	5.6	6.1	5.5
APR 1232	5.1	6.5	6.0	5.9	PIZZAZZ	5.1	5.4	6.0	5.5
MANHATTAN 4 (PST-2CRL)	5.1	6.2	6.2	5.8	AMAZING (B1)	5.2	5.3	6.1	5.5
PENTIUM (NJ-6401)	5.5	5.8	6.2	5.8	SALINAS (PST-2SLX)	5.1	5.1	6.4	5.5
PROTYME (ABT-99-4.625)	4.9	6.2	6.2	5.8	SKYHAWK	4.8	5.8	6.1	5.5
BLAZER IV (PICK MDR)	5.3	5.8	6.3	5.8	RACER	5.0	5.4	6.2	5.5
DLF-LDD	5.4	5.8	6.2	5.8	AFFIRMED	5.4	4.9	6.2	5.5
APR 1235	5.0	6.1	6.3	5.8	NEXUS	5.0	5.3	6.1	5.5
CHURCHILL	5.2	5.8	6.3	5.8	ICON (MB 414)	5.1	5.3	6.1	5.5
GALLERY (MB 412)	5.1	6.1	6.1	5.8	LTP-ME	4.8	5.7	6.0	5.5
PICK PR B-97	5.1	5.8	6.3	5.8	PICK PR QH-97	5.2	5.0	6.3	5.5
PST-2RT	5.0	5.9	6.3	5.8	APR 1231	4.9	5.3	6.2	5.5
SUMMERSET (MB 413)	5.2	6.0	6.0	5.8	ASCEND	4.9	5.4	6.0	5.5
PST-2CRR	4.8	6.1	6.3	5.7	ADMIRE (JR-151)	4.7	5.6	6.0	5.4
PACESETTER (6011)	4.8	6.3	6.1	5.7	MP88	4.7	5.6	6.1	5.4
ABT-99-4.115	5.3	5.7	6.1	5.7	IQ (CIS-PR-75)	4.8	5.4	6.0	5.4
PLEASURE XL	4.9	5.9	6.3	5.7	JR-128	5.1	4.9	6.3	5.4
PST-2SBE	5.0	5.8	6.3	5.7	SECRETARIAT	4.8	5.6	6.0	5.4
PREMIER II	4.8	6.0	6.3	5.7	ABT-99-4.339	5.1	5.3	5.9	5.4
PST-2M4	5.3	5.7	6.0	5.7	ALL STAR2 (CIS-PR-78)	4.9	5.3	6.1	5.4
SR 4420 (SRX 4820)	5.4	5.5	6.1	5.7	BARLENNIUM	5.0	5.3	6.0	5.4
BRIGHTSTAR SLT (PST-2A6B)	5.0	5.8	6.2	5.7	APPLAUD (PENNINGTON-11301)	5.3	4.8	6.2	5.4
DIVINE	4.8	6.1	6.1	5.7	APR 776	4.8	5.6	5.8	5.4
FIESTA 3	4.9	5.8	6.3	5.7	RENAISSANCE (APR 1233)	4.5	5.8	5.9	5.4
ABT-99-4.600	4.9	5.8	6.3	5.7	CATHEDRAL II	5.2	4.7	6.3	5.4
PARADIGM (APR 1236)	4.8	6.0	6.1	5.6	HAWKEYE (SRX 4RHT)	5.0	5.1	6.0	5.4
SUNKISSED (ABT-99-4.834)	5.0	5.6	6.3	5.6	RADIANT	5.0	5.0	6.1	5.4
CATALINA II (PST-CATS)	5.0	5.7	6.2	5.6	SRX 4120	4.8	5.3	6.0	5.4
DP 17-9391	4.1	6.6	6.2	5.6	PICK PRNGS	5.0	4.9	6.2	5.4
ELFKIN	4.7	6.1	6.1	5.6	LINE DRIVE	4.8	5.0	6.3	5.3
INSPIRE (R8000)	4.8	5.7	6.3	5.6	CHARISMATIC (LTP 98-501)	5.5	4.3	6.2	5.3
SPLENDID (MB 411)	5.1	5.3	6.4	5.6	PINNACLE II (BAR 9 B2)	4.8	4.9	6.3	5.3
QUEST II (ABT-99-4.721)	5.0	5.4	6.4	5.6	PROSPORT (AG-P981)	4.5	5.3	6.1	5.3
DAZZLE (ABT-99-4.724)	5.2	5.5	6.1	5.6	PICK EX2	4.8	5.0	6.1	5.3
PST-2LA	5.0	5.7	6.1	5.6	APR 1234	4.6	5.2	6.1	5.3
					MDP	4.8	4.9	6.2	5.3

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN UNDER TRAFFIC STRESS AT THREE LOCATIONS 1/
 2002 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	M03	NJ3	NY2	MEAN
PREMIER	4.5	5.3	6.0	5.3
YATSUGREEN	4.1	5.7	6.1	5.3
PARAGON	5.0	4.8	6.1	5.3
WVPB-R-84	4.3	5.2	6.3	5.3
PHANTOM	4.6	5.1	6.1	5.3
PROMISE	4.9	4.8	6.0	5.2
EPD	4.8	4.9	6.0	5.2
CRUSIER (UT-1000)	4.8	4.8	6.1	5.2
CALYPSO II	4.4	4.9	6.3	5.2
PASSPORT	4.8	4.8	6.0	5.2
PICK PR 1-94	5.0	5.0	5.6	5.2
CHARGER II	4.8	4.7	6.1	5.2
PENNANT II	4.7	4.7	6.2	5.2
MAJESTY	4.9	4.3	6.3	5.2
TERRADYNE (ASC)	4.9	4.8	5.8	5.2
KOOS R-71	4.5	4.6	6.5	5.2
WILMINGTON	4.8	4.8	6.0	5.2
EDGE	4.4	4.8	6.3	5.2
PANTHER	4.6	4.7	6.2	5.2
MONTEREY II (JR-187)	4.9	4.3	6.1	5.1
ALLSPORT	4.5	4.4	6.3	5.1
BY-100	4.4	4.7	6.2	5.1
EP53	4.5	4.8	5.9	5.1
MEPY	4.8	4.3	6.1	5.0
CABO (CIS-PR-80)	4.8	4.0	6.3	5.0
DP LP-1	4.1	5.0	6.0	5.0
MP107	4.7	4.4	6.0	5.0
EXTREME (JR-317)	4.7	4.3	6.0	5.0
PALMER III	4.7	4.3	6.1	5.0
AFFINITY	4.8	4.0	6.2	5.0
SUPERSTAR (EP57)	4.6	4.3	6.0	5.0
CATALINA	4.5	4.3	6.1	5.0
HEADSTART	4.4	4.4	6.0	4.9
LPR 98-143	4.6	4.1	6.0	4.9
WVPB-R-82	4.3	4.3	6.1	4.9
ABT-99-4.815	4.9	3.3	6.3	4.8
LPR 98-144	4.4	4.2	5.9	4.8
BUCCANEER	4.3	4.1	6.0	4.8
MP103	4.5	3.8	6.0	4.8
DP 17-9069	4.2	3.9	5.9	4.7
CAS-LP84	4.3	3.5	6.1	4.6
DP 17-9496	3.8	3.6	5.9	4.4
LINN	1.1	2.2	5.3	2.8
LSD VALUE	0.6	2.0	0.4	0.7
C.V. (%)	8.0	24.1	4.3	14.5

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 5.

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	IA1	IL1	IL2	IN1	KS1	KY1	MD1	ME1	MI1	MO1	NE1	NJ1	NJ2	PA1	QE1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
MACH 1 (ROBERTS-627)	8.0	7.3	8.3	7.0	8.0	9.0	7.7	8.3	5.0	5.7	8.3	7.7	9.0	8.0	7.0	6.7	6.0	8.0	9.0	8.7	6.7	7.6
ARRIVAL (CIS-PR-84)	8.3	7.0	7.0	7.0	8.0	8.7	7.3	8.0	5.0	5.3	8.7	7.7	9.0	8.7	7.0	7.0	7.0	7.3	9.0	8.0	7.0	7.5
ALL STAR2 (CIS-PR-78)	9.0	7.0	8.0	7.0	7.3	8.7	7.3	8.0	5.3	5.7	8.7	7.3	9.0	7.3	7.0	6.7	6.3	7.7	8.7	8.7	6.7	7.5
TERRADYNE (A5C)	8.0	7.0	8.3	7.0	7.7	9.0	7.7	8.0	5.0	5.3	8.0	7.3	9.0	7.0	7.0	6.3	6.7	8.3	8.7	9.0	6.0	7.4
SUNKISSED (ABT-99-4.834)	8.7	7.0	8.3	6.7	7.7	8.7	7.7	8.0	5.7	6.0	8.7	6.3	9.0	6.7	7.0	6.7	6.0	7.7	8.7	8.3	6.3	7.4
GALLERY (MB 412)	7.0	7.0	8.0	7.0	7.7	8.7	8.0	8.0	5.3	5.7	7.3	7.3	9.0	8.0	7.0	6.3	6.7	8.0	8.7	8.3	6.7	7.4
RADIANT	7.0	7.0	8.0	6.7	7.7	8.7	7.7	8.3	5.0	5.7	8.7	7.7	9.0	7.7	7.0	7.0	5.7	7.3	8.3	8.7	6.3	7.4
AMAZING (B1)	8.7	7.3	6.3	7.0	7.7	8.3	7.3	8.0	5.0	6.0	8.3	6.7	9.0	8.0	6.7	6.7	6.3	8.0	8.3	8.0	6.3	7.3
NEXUS	7.3	7.0	8.0	6.7	7.7	8.7	8.0	8.0	5.3	5.0	8.0	7.3	9.0	7.7	7.0	6.7	5.3	8.0	8.3	8.7	6.3	7.3
PIZZAZZ	8.0	7.0	7.0	7.0	7.7	8.7	7.7	8.0	5.3	6.0	8.0	6.7	9.0	7.3	7.0	6.0	6.7	7.3	8.7	9.0	6.0	7.3
SUMMERSET (MB 413)	7.7	7.0	8.0	7.0	7.3	9.0	7.7	8.0	5.0	5.7	7.7	7.0	9.0	7.7	7.0	7.0	6.0	7.3	8.0	8.3	6.7	7.3
ICON (MB 414)	7.7	7.0	8.0	7.0	7.3	8.7	7.0	8.0	5.0	6.0	7.3	7.7	9.0	8.0	7.0	7.3	6.0	7.0	8.3	8.0	6.3	7.3
CABO (CIS-PR-80)	8.0	7.0	7.7	7.0	7.0	8.7	7.3	8.0	5.0	5.0	8.7	6.3	8.7	8.0	7.0	6.0	6.0	8.3	8.7	8.7	6.7	7.3
PICK PR QH-97	7.3	7.0	8.0	7.0	7.3	8.3	7.7	8.3	5.0	6.0	8.0	7.0	9.0	7.3	6.7	7.0	6.0	7.3	8.7	8.7	6.0	7.3
WILMINGTON	7.7	7.0	7.7	6.7	7.7	8.7	8.0	8.3	5.0	5.7	8.0	8.7	9.0	7.3	6.7	4.7	6.7	6.3	8.3	8.7	6.3	7.3
MDP	7.3	7.0	7.7	7.0	7.7	8.0	7.7	8.0	5.0	5.0	8.0	8.3	9.0	7.3	6.7	6.3	6.0	7.7	8.3	8.7	6.3	7.3
GATOR 3 (CIS-PR-85)	8.3	7.0	8.3	6.3	7.3	8.7	7.0	7.7	5.0	5.0	8.0	7.0	9.0	7.3	7.0	6.3	5.7	8.0	8.7	8.7	6.3	7.3
PINNACLE II (BAR 9 B2)	8.7	7.0	7.7	7.0	7.3	8.7	7.3	7.7	5.3	5.0	8.0	6.7	9.0	7.0	7.0	7.0	5.3	6.7	8.7	8.7	7.0	7.3
BLAZER IV (PICK MDR)	7.7	7.0	6.0	7.0	7.3	8.3	7.7	8.3	5.0	6.0	8.0	6.3	9.0	7.3	6.7	7.0	7.0	8.0	8.0	8.3	6.3	7.3
HAWKEYE (SRX 4RHT)	7.7	6.7	7.7	6.7	8.0	9.0	7.3	7.7	5.0	6.0	8.0	6.7	9.0	7.3	7.0	6.7	6.0	7.0	9.0	7.7	6.0	7.2
BRIGHTSTAR II	8.0	7.0	7.3	7.0	7.3	8.3	7.0	7.7	5.0	6.0	8.0	6.0	9.0	8.0	7.0	6.3	6.3	7.0	8.3	8.0	6.3	7.2
IQ (CIS-PR-75)	7.7	7.0	7.0	7.0	7.7	8.7	7.0	8.0	5.0	5.0	7.3	6.0	8.3	8.0	7.0	6.7	6.7	7.0	8.3	8.7	7.0	7.2
SR 4220 (SRX 4801)	7.7	7.0	7.7	7.0	7.3	8.3	7.0	8.0	5.0	5.3	8.3	7.0	9.0	7.7	7.0	5.7	6.3	8.0	8.3	7.3	6.0	7.2
ABT-99-4.965	8.0	7.0	7.7	7.0	7.3	9.0	7.3	7.7	5.3	4.7	8.0	7.7	9.0	6.7	6.7	6.0	6.3	6.3	8.3	8.0	6.3	7.2
APPLAUD (PENNINGTON-11301)	8.0	6.7	7.3	6.7	7.7	8.3	7.0	8.0	5.3	5.7	7.3	7.0	9.0	7.3	7.0	6.3	5.7	7.0	8.7	8.0	6.3	7.2
CHARISMATIC (LTP 98-501)	7.3	7.0	7.0	6.7	7.3	8.3	7.3	8.0	5.0	5.7	8.0	6.3	9.0	6.3	6.3	6.7	7.3	6.7	9.0	8.3	6.3	7.1
CITATION FORE (PST-2BR)	8.0	7.0	6.3	7.0	7.3	9.0	7.0	8.7	5.0	5.0	7.7	6.7	9.0	7.0	6.7	6.0	6.3	7.0	8.3	8.3	6.7	7.1
PICK PR B-97	7.3	7.0	7.7	6.7	7.7	8.3	7.0	7.0	5.3	5.7	7.7	7.0	9.0	7.7	7.0	6.7	5.0	7.3	8.3	8.3	6.0	7.1
GRAND SLAM 2L96 (PST-2L96)	7.7	7.3	8.0	6.7	7.3	8.3	7.0	7.7	5.0	6.0	7.3	6.3	8.3	8.3	7.0	5.7	5.7	7.3	8.3	8.0	6.3	7.1
STELLAR (CIS-PR-72)	7.7	7.0	6.0	7.0	7.3	9.0	7.0	8.3	5.3	5.7	8.0	5.7	9.0	6.7	7.0	6.0	6.7	7.0	8.7	8.3	6.0	7.1
BRIGHTSTAR SLT (PST-2A6B)	7.7	7.0	7.3	6.7	7.3	8.3	7.0	8.0	5.0	5.0	8.3	6.3	9.0	7.3	7.0	6.0	5.7	7.0	9.0	8.7	5.7	7.1
KOKOMO (CIS-PR-69)	7.3	7.0	5.7	6.7	7.0	9.0	7.0	8.0	5.3	5.3	8.0	6.0	9.0	7.7	6.7	6.0	6.7	7.7	8.7	8.3	6.0	7.1
QUEST II (ABT-99-4.721)	7.0	7.0	7.3	7.0	7.7	8.0	7.0	8.0	5.3	5.3	8.0	5.7	9.0	7.0	6.7	6.7	6.7	7.0	8.7	7.7	6.3	7.1
SPLendid (MB 411)	8.0	7.0	8.0	7.0	7.0	8.7	7.0	8.3	5.3	5.3	7.0	5.0	8.3	7.7	6.7	6.7	6.0	7.0	8.3	7.7	7.0	7.1
MP107	7.7	7.0	6.7	6.7	7.3	8.0	7.0	7.3	5.0	5.3	7.7	6.0	9.0	7.3	7.0	6.7	7.3	7.7	7.7	8.3	6.0	7.1
DAZZLE (ABT-99-4.724)	7.7	7.0	6.7	7.0	7.7	7.7	7.3	8.0	5.0	5.7	8.0	5.7	8.3	7.0	7.0	6.3	7.0	6.7	8.3	8.3	6.0	7.1
PICK PR 1-94	7.0	7.0	7.7	6.3	7.3	7.7	7.7	8.0	4.7	5.3	8.0	5.7	9.0	7.3	7.0	6.3	6.0	6.7	8.7	9.0	6.0	7.1
MANHATTAN 4 (PST-2CRL)	7.0	7.0	7.7	7.0	7.0	8.7	7.0	8.0	5.0	5.7	7.7	6.0	9.0	7.3	7.0	6.0	5.3	7.7	8.0	8.0	6.0	7.0
CRUSIER (UT-1000)	7.0	7.0	7.7	6.7	8.0	8.0	7.3	7.7	5.3	5.7	7.7	5.3	9.0	7.3	7.0	6.7	6.0	7.0	8.0	7.7	6.0	7.0
PROTYME (ABT-99-4.625)	7.3	7.3	7.0	7.0	7.0	7.7	7.0	8.0	5.0	5.0	7.3	7.0	9.0	7.3	7.0	6.7	5.7	7.0	8.0	8.7	6.0	7.0
CAS-LP84	7.3	7.0	7.0	6.3	7.3	8.7	7.0	7.7	5.0	5.0	7.0	5.7	8.3	7.3	7.0	7.0	7.0	7.3	8.3	8.3	6.0	7.0
JET	7.3	7.0	7.3	6.7	7.0	8.7	7.3	8.7	5.0	5.3	8.0	5.7	9.0	7.3	7.0	6.0	5.7	7.0	8.0	7.7	6.0	7.0
SR 4420 (SRX 4820)	7.7	7.0	7.3	6.7	7.0	8.7	7.0	7.3	5.0	5.3	7.7	6.0	9.0	7.0	7.0	6.0	6.0	7.0	8.7	7.7	6.0	7.0
PENTIUM (NJ-6401)	7.7	7.0	7.0	7.0	7.0	8.0	7.0	7.7	5.0	5.3	7.7	6.0	9.0	7.0	7.0	5.3	7.0	7.0	8.7	7.7	5.7	7.0
MEPY	7.0	7.0	5.7	7.0	6.3	7.7	7.0	8.0	5.0	5.3	7.3	7.3	9.0	7.3	7.0	6.7	5.7	7.3	7.7	8.7	6.0	7.0
SEVILLE II	7.3	6.7	6.0	7.0	7.7	8.7	7.0	8.0	5.0	5.3	7.7	5.3	9.0	7.0	6.7	5.7	6.7	7.0	8.7	7.3	6.0	6.9

TABLE 5. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	IA1	IL1	IL2	IN1	KS1	KY1	MD1	ME1	MI1	MO1	NE1	NJ1	NJ2	PA1	QE1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
ABT-99-4.560	8.0	7.0	6.0	6.3	7.3	8.0	7.0	7.7	5.0	5.7	7.3	6.0	9.0	6.7	7.0	6.3	5.7	7.3	8.0	8.3	6.0	6.9
INSPIRE (R8000)	7.7	7.0	7.3	7.0	7.0	8.3	7.0	8.3	5.0	4.3	7.3	5.7	9.0	7.0	6.7	6.3	6.0	6.7	8.3	7.7	6.0	6.9
CHURCHILL	7.3	7.0	7.7	6.0	7.3	8.3	7.3	7.3	5.0	5.3	8.0	5.7	8.3	6.7	6.7	6.7	6.3	7.0	8.3	7.0	6.0	6.9
MP103	7.0	7.0	7.7	6.7	7.3	7.3	7.0	8.0	5.0	4.7	7.3	5.0	9.0	7.7	7.0	6.0	6.0	7.0	8.0	8.3	6.0	6.9
MP88	7.0	7.0	5.7	6.3	7.0	8.0	7.0	7.7	5.0	5.7	7.7	6.7	9.0	6.7	7.0	6.0	5.7	8.0	7.0	8.3	6.3	6.9
DLF-LDD	7.7	6.7	5.7	7.0	7.0	8.0	7.0	8.0	5.0	5.0	7.3	5.3	8.3	7.0	6.7	5.7	6.3	7.0	8.3	9.0	6.7	6.9
LTP-ME	7.7	7.0	8.3	6.7	7.0	7.3	7.3	7.0	5.0	5.0	7.7	5.7	7.7	6.3	7.0	6.3	5.3	7.3	8.3	9.0	5.7	6.9
PENNANT II	7.7	6.7	7.3	7.0	7.0	7.7	7.0	5.7	5.0	5.7	8.0	6.3	9.0	6.3	6.7	5.7	6.3	7.3	8.0	8.3	6.0	6.9
EPD	7.3	7.0	5.0	6.3	7.0	8.3	7.3	7.7	5.0	5.0	7.7	5.3	9.0	6.7	7.0	6.3	6.0	7.7	8.3	8.3	6.0	6.9
SUPERSTAR (EP57)	6.7	7.0	6.7	6.7	7.7	8.0	7.0	8.3	5.3	5.0	7.7	6.0	9.0	6.0	6.7	5.7	6.3	6.7	8.3	8.0	5.7	6.9
PST-2CRR	8.0	7.0	7.0	6.7	7.0	7.7	7.0	7.7	5.3	5.3	8.0	5.0	9.0	6.0	6.7	5.3	6.7	7.0	8.3	7.3	6.0	6.9
PST-2SBE	7.7	6.7	5.7	6.7	6.7	7.7	7.0	8.0	5.3	5.7	7.3	4.7	9.0	7.3	7.0	6.7	6.3	6.0	8.3	8.3	5.7	6.8
PARAGON	7.7	7.0	5.0	6.3	7.3	8.3	7.3	8.0	5.7	5.0	7.7	5.3	9.0	6.3	7.0	5.7	6.0	7.0	8.0	7.7	6.0	6.8
PHANTOM	7.3	7.3	6.3	6.3	7.3	7.0	7.0	6.7	5.7	5.0	7.3	6.3	8.3	6.7	7.0	6.3	6.7	7.0	7.7	7.3	6.7	6.8
SALINAS (PST-2SLX)	7.3	7.0	7.3	6.7	7.3	8.0	7.0	8.0	5.0	5.3	7.0	4.3	9.0	7.3	6.7	5.5	5.3	6.7	8.0	8.0	6.0	6.8
EXACTA	7.0	7.0	7.3	6.7	7.0	8.3	7.0	7.3	5.0	4.7	7.3	5.7	8.3	6.0	6.7	6.3	6.3	6.7	8.3	7.7	6.0	6.8
FIESTA 3	7.7	7.0	7.0	6.0	7.0	7.7	7.0	8.0	5.0	5.3	7.3	5.0	9.0	7.0	6.7	5.3	5.7	7.0	8.0	7.7	6.0	6.8
BARLENNIUM	7.0	7.0	7.3	6.0	7.7	8.0	7.7	8.0	5.0	5.0	7.3	4.3	8.3	6.3	7.0	6.0	6.0	6.7	8.3	7.3	6.0	6.8
SKYHAWK	7.3	7.0	6.3	6.7	7.7	8.0	7.0	7.3	5.0	5.3	7.3	6.0	8.7	6.7	6.7	5.7	6.0	6.3	8.0	7.7	5.7	6.8
ELFKIN	7.3	7.0	6.3	6.3	7.0	8.7	7.0	7.7	5.3	5.7	7.0	4.0	8.3	6.7	6.7	5.7	7.0	6.7	8.0	7.3	6.0	6.7
PROMISE	7.0	7.0	6.3	6.0	7.3	8.3	7.3	7.7	5.3	5.0	7.0	4.0	8.0	6.3	7.0	5.7	5.7	7.7	8.0	9.0	6.0	6.7
CATALINA II (PST-CATS)	7.7	7.3	6.0	6.7	7.0	7.7	7.0	7.7	5.3	5.3	7.0	5.0	8.7	6.7	7.0	5.7	5.7	6.7	7.7	8.0	5.7	6.7
ASCEND	7.3	7.0	5.3	6.3	6.3	8.7	7.0	7.7	5.3	4.7	7.7	5.3	9.0	6.7	7.0	6.0	6.0	6.3	7.3	8.0	6.0	6.7
COURAGE (MB 410)	7.7	7.0	5.3	6.3	7.3	8.0	7.0	8.0	5.0	5.3	7.0	4.7	8.3	7.0	7.0	6.0	6.0	7.0	8.0	7.0	6.0	6.7
PACESETTER (6011)	7.3	7.0	6.3	6.0	7.0	8.0	7.0	7.7	5.0	5.3	7.0	4.3	8.3	7.3	6.7	6.0	5.7	7.0	8.0	8.0	6.0	6.7
EP53	7.3	7.0	6.3	6.3	6.7	8.3	6.7	7.3	5.3	5.7	7.0	4.3	9.0	6.3	6.7	6.0	5.7	6.7	8.0	8.0	6.0	6.7
AFFIRMED	7.7	7.0	5.3	6.3	7.0	8.0	7.0	7.3	5.0	5.7	7.0	4.7	8.3	6.0	7.0	5.3	6.7	7.3	8.3	7.3	5.7	6.7
PALMER III	7.7	7.0	6.7	6.0	7.0	7.7	7.0	7.3	5.0	5.0	7.3	4.7	9.0	5.7	6.7	6.0	6.0	6.7	7.7	7.7	5.7	6.6
ABT-99-4.815	7.0	7.0	6.3	6.3	6.3	7.7	6.7	8.0	5.0	5.0	7.0	4.3	7.0	7.0	7.0	5.7	6.7	6.7	8.0	8.3	6.0	6.6
MAJESTY	7.0	7.0	5.3	6.7	7.0	8.0	7.0	7.7	5.0	4.3	7.3	5.0	8.3	6.0	6.7	5.7	6.3	7.0	7.7	8.0	6.0	6.6
PST-2M4	8.3	6.7	6.3	6.0	6.3	8.0	7.0	7.3	5.3	5.3	7.3	4.0	9.0	6.7	6.3	5.3	6.7	6.0	7.7	7.7	5.7	6.6
PLEASURE XL	7.3	7.0	5.3	6.0	7.0	8.0	7.0	7.7	5.3	4.7	7.3	5.0	7.3	6.7	7.0	5.3	6.3	7.0	8.3	7.3	6.0	6.6
CATALINA	7.7	7.0	5.7	6.3	6.7	7.7	6.7	7.0	5.0	5.3	7.0	4.3	8.0	6.0	6.7	5.7	7.0	7.7	8.0	7.0	6.0	6.6
EXTREME (JR-317)	7.0	7.0	6.0	6.7	7.0	7.0	7.0	7.0	5.3	4.7	6.7	4.7	7.7	7.0	7.0	6.0	7.0	6.3	7.3	8.0	6.0	6.6
ALLSPORT	8.0	7.0	5.7	6.7	6.7	7.3	7.0	7.7	5.0	5.0	7.0	5.0	8.0	6.0	6.7	5.7	6.3	7.3	7.3	7.3	5.3	6.6
SR 4500	7.3	7.0	6.0	6.0	6.7	8.3	7.0	7.7	5.3	5.0	7.0	4.0	8.0	6.7	7.0	6.0	5.3	6.7	8.0	7.0	6.0	6.6
PST-2LA	8.0	6.7	6.0	6.0	6.7	7.0	7.0	7.0	5.0	5.0	7.3	4.0	7.7	7.3	6.7	5.3	5.7	7.0	7.3	8.7	6.3	6.6
JR-128	7.3	7.0	5.7	6.7	6.3	7.3	6.3	6.7	5.0	5.3	6.7	5.3	7.0	6.3	6.7	6.0	7.0	6.7	8.0	7.7	5.7	6.5
PROSPORT (AG-P981)	8.0	7.0	5.0	6.0	6.7	7.3	7.3	7.7	5.0	5.0	6.7	5.0	6.3	6.7	6.7	6.3	6.3	6.7	7.7	7.7	5.7	6.5
ABT-99-4.339	7.3	7.0	5.7	6.0	7.0	7.7	6.3	7.7	5.0	5.3	6.7	4.0	7.7	6.0	6.3	5.3	6.7	6.7	8.0	8.0	6.0	6.5
PREMIER II	7.7	7.0	5.3	6.0	6.7	7.3	7.0	7.3	5.0	5.3	7.3	4.0	6.7	6.3	6.7	6.0	6.7	7.0	8.0	7.3	5.3	6.5
LINE DRIVE	7.0	7.0	5.3	6.0	7.0	7.7	7.0	7.7	5.0	5.3	7.0	4.0	9.0	6.0	7.0	5.7	5.7	6.7	7.0	7.0	6.0	6.5
ABT-99-4.115	7.3	7.0	5.3	6.0	6.3	7.7	6.7	7.3	5.0	5.0	7.0	5.0	7.3	6.3	6.3	5.3	6.5	6.7	8.0	7.7	6.0	6.5
ABT-99-4.464	7.0	7.0	6.0	6.0	6.7	7.3	6.7	7.3	5.0	4.7	6.7	4.3	7.0	6.3	6.7	5.3	6.7	7.3	8.0	8.0	5.7	6.5
PST-2JH	7.3	7.0	5.7	6.3	6.7	7.3	6.3	6.7	5.0	4.3	7.0	4.7	8.3	6.3	6.3	5.7	6.7	6.7	7.3	7.7	6.0	6.4
PARADIGM (APR 1236)	7.3	7.0	4.7	6.0	6.7	7.3	6.7	7.0	5.0	4.3	7.0	4.7	8.7	7.0	6.3	4.7	5.7	6.3	7.7	8.3	5.7	6.4
RACER II (PICK RC2)	7.7	7.0	5.0	6.0	6.7	7.7	6.3	8.0	5.3	5.0	7.3	3.7	5.3	6.3	6.7	5.7	6.7	6.0	8.3	7.7	5.7	6.4

TABLE 5. (CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	IA1	IL1	IL2	IN1	KS1	KY1	MD1	ME1	MI1	M01	NE1	NJ1	NJ2	PA1	QE1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
ABT-99-4.600	8.0	7.0	4.7	6.0	6.7	8.0	6.7	7.3	5.0	4.7	7.0	4.3	7.7	5.3	6.7	5.0	6.0	7.0	7.3	7.7	5.3	6.3
MONTEREY II (JR-187)	8.0	7.0	6.0	6.0	7.0	7.0	6.7	7.3	5.3	4.7	6.7	4.0	7.0	5.7	7.0	5.0	6.0	6.7	7.0	7.3	5.7	6.3
ADMIRE (JR-151)	6.7	7.0	4.3	6.0	6.3	7.3	7.0	7.0	5.0	5.0	7.0	4.0	9.0	6.0	6.7	5.3	5.0	6.0	8.0	7.3	6.0	6.3
PICK PRNGS	7.3	6.7	5.7	6.0	6.7	7.7	7.0	7.7	5.0	5.0	7.0	4.0	5.7	6.0	6.7	5.3	5.3	6.3	7.3	7.7	6.0	6.3
CATHEDRAL II	8.0	6.7	4.7	6.0	7.0	7.3	6.3	7.3	5.0	5.0	6.7	3.3	7.3	5.7	6.7	6.0	5.3	6.3	7.7	7.3	6.0	6.3
CALYPSO II	7.3	6.7	5.7	6.3	6.0	7.7	7.0	7.3	5.0	5.0	6.7	4.0	6.7	6.3	6.3	5.3	6.3	5.3	8.0	7.0	5.0	6.2
LPR 98-143	7.0	7.0	4.7	6.0	5.7	7.7	7.0	7.7	5.0	4.7	7.0	3.0	7.7	6.0	7.0	5.3	6.3	5.7	7.7	8.0	5.0	6.2
RACER	7.0	6.7	5.7	6.0	6.7	7.0	7.0	7.7	5.0	5.3	7.0	3.3	5.3	6.3	6.7	5.7	6.0	6.3	7.7	7.3	5.3	6.2
APR 1235	7.7	7.0	4.7	6.0	7.0	7.7	6.7	7.3	5.0	5.0	7.0	3.7	5.3	5.7	7.0	5.0	6.0	6.7	8.0	7.3	5.0	6.2
MANHATTAN 3	7.3	6.7	5.7	6.0	6.7	8.0	7.0	7.3	5.0	5.3	6.7	4.0	5.7	5.3	6.7	5.3	5.3	6.3	6.7	7.0	5.7	6.2
PANTHER	8.0	7.0	3.3	6.3	6.3	7.0	7.0	7.3	5.0	5.0	6.3	3.7	7.7	5.7	6.3	5.3	5.3	6.3	7.7	7.0	5.3	6.1
SR 4350 (APR 1237)	7.0	7.0	5.0	6.0	6.7	7.3	6.7	6.3	5.0	5.3	7.0	3.7	5.3	6.7	6.7	5.3	5.0	6.3	7.3	7.3	6.0	6.1
LPR 98-144	7.3	6.7	5.3	6.0	6.7	7.3	6.7	7.0	5.0	4.0	6.7	3.3	7.7	5.3	6.3	4.7	6.0	6.7	8.0	7.0	5.0	6.1
DIVINE	7.0	7.0	3.3	6.0	6.7	7.0	7.0	7.7	5.0	5.0	7.0	4.0	5.7	6.0	6.3	5.0	6.0	6.7	6.7	8.0	5.7	6.1
HEADSTART	7.3	7.0	4.7	6.3	6.0	6.7	7.0	7.0	5.0	4.0	7.0	3.7	7.0	5.0	7.0	5.0	5.7	6.3	7.3	7.7	5.7	6.1
PST-2RT	8.0	6.7	3.3	6.3	7.0	7.7	6.3	7.0	5.0	5.0	6.7	4.0	5.7	5.7	6.7	5.0	5.0	6.0	7.7	7.7	5.3	6.1
PASSPORT	7.3	7.0	5.0	6.0	5.7	7.0	7.0	7.3	5.3	4.7	6.3	3.7	5.7	5.7	6.7	4.7	6.0	6.0	8.0	6.7	5.7	6.1
PROWLER (APR 777)	7.0	7.0	5.0	6.0	5.7	7.3	6.7	7.0	5.0	5.0	7.0	3.7	5.0	5.0	6.7	4.7	6.0	7.0	7.0	7.3	5.3	6.0
RENAISSANCE (APR 1233)	7.3	6.7	5.0	6.0	5.7	7.3	6.0	6.0	5.3	5.0	7.3	3.3	6.0	5.7	6.3	5.3	6.3	5.7	7.0	7.3	5.0	6.0
APR 776	7.0	6.3	4.0	6.0	6.0	6.7	6.3	6.7	5.0	4.3	6.7	4.3	7.3	5.7	6.7	5.0	6.0	6.0	7.3	7.3	5.0	6.0
CHARGER II	8.0	7.0	4.0	6.0	6.0	6.3	6.7	6.7	5.0	4.7	7.0	3.3	6.3	5.0	7.0	5.3	5.3	6.3	7.7	7.0	5.0	6.0
SECRETARIAT	7.0	7.0	3.3	6.0	6.0	7.3	6.7	7.3	5.3	4.3	6.7	3.7	5.3	5.0	6.0	5.3	6.0	6.7	7.0	6.7	5.0	5.9
SRX 4120	7.3	7.0	4.0	6.0	6.3	6.3	6.7	7.3	5.3	4.7	6.0	3.3	5.3	4.7	6.7	4.7	6.7	6.0	7.3	7.0	5.0	5.9
APR 1231	7.7	6.3	4.7	6.0	7.0	6.7	6.0	6.7	5.0	4.7	6.7	3.3	4.3	6.0	6.7	5.0	5.7	5.7	6.7	7.0	5.3	5.9
PREMIER	7.0	7.0	3.0	6.0	6.3	6.3	6.3	6.0	5.0	4.7	7.0	2.7	7.7	5.3	6.3	5.3	6.0	6.0	6.7	6.3	5.0	5.8
APR 1232	7.0	6.7	4.3	5.7	6.0	6.0	5.7	6.7	5.0	4.3	6.0	2.7	5.3	5.7	6.3	5.0	6.3	6.3	7.0	7.0	6.3	5.8
PICK EX2	7.3	6.7	2.3	5.3	6.7	6.7	6.3	6.7	5.0	4.3	6.0	2.7	4.3	5.0	6.7	4.7	6.7	5.7	7.0	6.7	5.0	5.6
KOOS R-71	7.0	6.7	2.3	6.0	6.0	6.7	6.3	6.0	5.3	4.3	6.7	2.3	5.3	5.0	6.0	4.7	5.7	6.7	6.3	6.7	5.0	5.6
WVPB-R-82	7.3	6.7	3.7	5.7	6.0	6.3	6.3	6.3	5.0	4.0	6.7	2.3	5.3	5.0	6.3	4.3	6.0	5.0	7.0	6.7	5.0	5.6
WVPB-R-84	7.0	6.3	2.0	6.0	5.7	7.0	6.3	5.7	5.0	4.7	6.7	3.0	5.3	5.3	6.7	4.7	5.3	5.7	7.0	6.3	5.3	5.6
BY-100	7.0	6.0	4.3	5.7	6.0	7.0	6.3	6.3	5.3	4.7	6.0	2.7	4.7	5.3	6.3	4.3	6.0	5.3	6.3	6.0	5.0	5.6
AFFINITY	7.3	7.0	2.3	5.3	5.3	6.3	6.3	6.7	5.3	4.7	6.3	3.3	4.3	4.3	6.3	4.3	6.0	5.3	6.0	6.3	5.0	5.4
APR 1234	7.7	6.3	4.0	5.7	6.0	6.7	5.7	5.3	5.0	4.0	6.7	1.3	2.0	4.7	6.3	4.3	5.7	6.3	6.0	7.7	5.0	5.3
BUCCANEER	6.7	5.7	2.3	5.7	6.0	6.0	5.7	6.0	5.3	4.7	5.7	2.3	4.7	5.3	6.3	4.0	5.7	5.7	6.3	6.0	5.0	5.3
EDGE	6.7	6.3	2.3	5.7	6.0	6.3	6.0	6.3	5.0	4.0	6.0	1.7	3.7	4.3	6.3	5.0	5.0	5.3	7.0	6.3	5.3	5.3
DP LP-1	7.3	6.0	3.0	5.3	6.0	6.0	5.0	5.7	5.0	4.3	6.7	2.3	4.0	4.0	6.0	4.7	5.7	5.3	5.3	6.0	5.3	5.2
DP 17-9069	7.0	6.0	2.7	5.7	5.3	6.3	5.3	4.3	5.0	4.3	5.7	2.7	4.0	4.0	6.0	4.3	6.3	5.0	5.3	6.3	5.0	5.1
YATSUGREEN	6.7	6.3	1.7	5.7	6.0	6.0	5.7	4.7	5.0	4.0	5.7	2.3	3.0	3.0	6.7	4.3	5.7	5.0	6.0	5.3	5.0	4.9
DP 17-9391	7.3	4.0	2.7	5.0	5.0	5.7	5.0	4.7	5.0	4.0	6.0	2.3	1.7	4.0	6.7	4.7	6.0	5.0	5.3	5.0	5.3	4.8
DP 17-9496	6.0	5.3	1.0	5.0	4.3	5.3	5.0	4.0	5.0	4.0	5.7	1.0	1.0	3.7	6.0	3.7	4.7	4.3	3.7	5.0	4.3	4.2
LINN	6.0	4.0	1.3	5.3	3.0	3.3	4.0	4.0	5.0	4.0	4.7	1.0	1.0	2.7	6.7	2.3	5.0	4.7	3.7	5.3	4.0	3.9
LSD VALUE	0.9	0.7	2.1	0.6	0.9	1.2	0.6	1.1	0.5	1.0	0.9	1.3	1.6	1.1	0.7	1.2	1.5	1.1	1.2	0.9	0.6	0.2
C.V. (%)	7.8	6.2	21.9	6.1	8.5	9.8	5.7	9.6	6.1	11.9	7.5	17.0	13.5	10.6	6.2	12.4	15.7	10.1	9.6	7.5	6.6	10.4

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

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

TABLE 6.

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2002 DATA

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

NAME	IA1	IL2	IN1	MD1	MI1	NE1	NJ1	NJ2	NY1	NY2	PA1	QE1	SD1	VA1	WA1	WI1	MEAN
SUNKISSED (ABT-99-4.834)	8.0	7.3	5.0	7.3	5.7	7.3	7.3	7.3	7.3	7.3	6.0	2.7	6.3	5.7	6.0	7.0	6.5
STELLAR (CIS-PR-72)	8.3	5.3	4.3	8.0	6.0	7.7	7.3	7.3	7.0	7.3	6.7	2.3	5.0	6.3	7.0	6.7	6.4
AMAZING (B1)	8.7	5.7	4.7	7.7	6.0	7.7	6.3	6.7	7.7	7.3	6.3	2.7	4.0	6.3	7.0	6.7	6.3
HAWKEYE (SRX 4RHT)	8.3	6.3	4.3	7.7	5.0	8.0	5.3	7.7	7.3	7.3	6.3	3.0	4.7	6.7	6.3	6.7	6.3
PIZZAZZ	8.0	6.0	4.7	7.7	6.0	7.7	6.7	7.3	6.7	6.7	6.3	2.0	6.0	6.7	6.0	6.3	6.3
DAZZLE (ABT-99-4.724)	8.7	5.7	4.3	6.0	5.7	7.7	6.0	6.3	8.0	7.3	6.0	2.7	6.7	6.3	6.0	6.7	6.3
APPLAUD (PENNINGTON-11301)	8.7	7.0	4.7	7.0	5.7	7.3	4.7	8.0	6.7	7.0	6.0	3.0	4.0	6.7	6.0	6.3	6.2
CHARISMATIC (LTP 98-501)	8.3	6.0	4.0	7.0	6.7	7.3	6.3	7.0	6.0	7.0	6.3	2.7	4.0	7.0	6.3	6.3	6.1
ALL STAR2 (CIS-PR-78)	8.3	5.0	4.0	7.3	4.7	7.3	5.3	6.3	7.3	6.3	6.7	2.3	6.7	7.0	6.7	6.3	6.1
SR 4220 (SRX 4801)	8.3	6.3	3.7	7.0	5.3	6.7	4.7	6.3	6.3	7.0	7.0	2.3	7.0	6.7	6.7	6.3	6.1
SRX 4120	7.3	4.3	5.0	7.0	5.7	7.7	7.0	7.3	7.0	7.0	6.3	2.3	5.0	5.0	7.0	6.7	6.1
JET	8.3	5.7	4.3	7.0	6.0	7.3	5.7	6.7	7.3	7.0	6.3	2.3	5.0	6.0	6.0	6.7	6.1
PREMIER II	8.3	5.7	3.7	7.3	6.0	7.3	7.3	6.3	6.3	8.0	6.7	2.7	4.0	5.7	6.0	5.7	6.1
QUEST II (ABT-99-4.721)	8.0	6.3	3.0	7.3	6.0	7.7	5.7	6.0	7.3	7.0	6.3	2.3	4.7	6.7	6.3	6.3	6.1
ARRIVAL (CIS-PR-84)	8.0	5.7	4.0	7.3	5.3	8.0	5.0	6.7	6.7	7.7	6.3	2.7	4.0	7.0	5.7	6.7	6.0
MACH 1 (ROBERTS-627)	8.7	7.7	5.0	7.0	6.0	6.0	5.0	6.7	5.3	8.0	6.0	2.3	4.0	6.7	6.0	6.3	6.0
CHURCHILL	8.3	5.0	4.3	7.3	5.7	7.7	4.3	6.7	7.3	7.0	6.7	2.0	5.0	5.7	7.0	6.3	6.0
CITATION FORE (PST-2BR)	8.3	5.0	4.0	6.3	6.0	7.3	6.3	7.0	7.7	7.0	5.7	2.7	4.0	6.3	7.0	5.3	6.0
KOKOMO (CIS-PR-69)	8.0	5.0	4.3	7.3	4.7	7.7	5.0	8.0	7.0	7.3	6.7	2.0	4.0	6.3	6.3	6.3	6.0
PINNACLE II (BAR 9 B2)	8.7	6.0	3.7	6.7	6.0	7.7	5.7	5.7	6.3	7.3	6.3	2.3	5.0	6.0	6.3	6.3	6.0
INSPIRE (R8000)	8.7	5.0	4.7	6.3	5.0	8.0	5.7	6.7	7.3	7.3	6.3	2.3	4.0	6.3	6.0	6.3	6.0
PALMER III	7.7	4.7	4.3	7.3	5.7	7.0	7.3	7.0	6.0	7.3	6.0	2.0	5.0	5.7	6.3	6.3	6.0
GATOR 3 (CIS-PR-85)	8.0	6.0	4.0	7.3	4.7	7.7	5.0	6.0	6.7	7.7	6.0	2.7	4.7	6.7	6.0	6.3	6.0
TERRADYNE (A5C)	8.7	5.3	4.0	6.7	5.3	7.0	6.3	4.7	6.3	6.3	6.7	3.0	4.0	7.3	6.7	7.0	6.0
BLAZER IV (PICK MDR)	8.0	5.3	4.0	7.3	6.0	6.7	6.0	6.0	7.3	7.3	6.0	2.7	4.0	6.0	6.3	6.3	6.0
SR 4420 (SRX 4820)	8.0	5.7	4.3	8.0	5.0	7.3	6.3	6.3	5.7	7.0	6.0	2.7	4.0	6.3	6.0	6.3	5.9
SEVILLE II	8.3	5.7	4.3	7.0	5.3	7.7	5.7	6.7	7.0	7.0	6.3	2.0	4.0	6.0	5.7	6.3	5.9
SR 4500	7.7	5.7	4.0	7.0	6.0	7.7	5.3	7.3	6.3	6.3	6.3	3.0	4.7	5.3	6.0	6.0	5.9
ABT-99-4.115	8.0	4.3	4.0	7.0	6.3	7.7	5.7	6.7	7.0	7.0	6.0	2.3	4.7	5.3	6.7	6.0	5.9
ABT-99-4.600	7.3	4.7	4.7	7.0	5.0	7.0	7.7	6.0	8.0	7.7	6.3	2.3	4.0	4.7	6.3	6.0	5.9
RACER II (PICK RC2)	8.0	5.7	3.7	7.0	5.0	7.3	5.3	7.0	7.7	7.0	5.7	2.7	4.0	5.0	6.7	6.7	5.9
CHARGER II	8.0	3.7	4.7	7.3	5.7	6.0	6.7	7.0	7.0	7.0	6.7	3.0	4.0	4.3	7.3	6.0	5.9
EXACTA	8.3	5.3	3.7	7.7	5.3	6.7	4.3	5.7	7.3	8.0	6.3	2.0	4.0	6.7	6.0	6.7	5.9
ABT-99-4.965	8.3	6.3	4.7	7.7	5.0	5.7	5.3	4.3	7.7	7.0	6.7	2.3	4.0	6.7	6.0	6.3	5.9
DP 17-9391	6.3	4.3	3.7	6.3	6.0	6.3	8.3	7.7	7.3	7.0	6.7	2.0	4.0	4.0	7.0	7.0	5.9
PARAGON	8.3	4.7	3.7	7.7	6.0	7.7	5.3	6.7	7.0	7.0	5.7	2.3	4.0	6.3	5.7	6.0	5.9
BY-100	7.0	4.3	4.7	7.0	5.7	7.0	7.0	6.0	7.0	7.7	6.7	2.3	4.0	4.3	7.0	6.3	5.9
ABT-99-4.560	8.0	4.3	3.7	7.0	5.3	7.3	5.3	5.0	6.7	7.3	6.0	2.3	5.0	7.0	6.7	6.7	5.9
MANHATTAN 4 (PST-2CRL)	8.3	4.7	4.0	7.3	5.0	6.7	5.0	6.3	8.3	7.3	5.7	2.0	4.0	6.7	6.3	6.0	5.9
LTP-ME	8.0	5.7	4.0	6.7	5.0	6.3	4.3	5.3	7.7	7.0	6.3	2.7	5.0	6.3	6.0	7.0	5.8
PROMISE	7.7	4.7	4.3	7.0	4.3	7.7	5.7	7.3	6.7	6.7	6.0	2.3	4.0	6.0	6.3	6.7	5.8
ELFKIN	7.7	6.0	3.7	7.3	5.3	7.7	5.0	6.3	6.7	7.3	5.3	2.3	4.0	6.0	6.3	6.3	5.8
AFFIRMED	8.0	5.3	4.0	7.0	5.3	7.0	4.3	5.3	7.7	7.3	6.7	2.7	4.0	6.0	6.3	6.0	5.8
FIESTA 3	7.7	5.7	4.7	7.0	5.7	7.3	4.7	6.3	7.0	7.0	5.7	2.0	4.7	5.0	6.3	6.3	5.8
PANTHER	8.0	4.0	4.0	6.0	4.7	6.7	6.7	7.0	7.0	7.0	6.7	2.7	4.0	5.7	6.7	6.0	5.8
CALYPSO II	8.3	3.7	4.0	6.7	5.7	6.7	6.3	5.7	7.0	7.3	6.3	2.7	4.0	5.3	6.7	6.3	5.8

TABLE 6. (CONT'D)

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2002 DATA

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

NAME	IA1	IL2	IN1	MD1	MI1	NE1	NJ1	NJ2	NY1	NY2	PA1	QE1	SD1	VA1	WA1	WI1	MEAN
CRUSIER (UT-1000)	8.7	4.7	4.0	6.7	5.3	7.0	5.3	5.7	7.7	7.3	5.3	2.3	4.0	6.7	5.7	6.3	5.8
ABT-99-4.815	8.0	5.7	3.7	6.0	5.3	6.7	5.3	7.0	8.0	7.0	5.7	2.0	4.7	5.3	6.0	6.0	5.8
ABT-99-4.339	7.3	4.3	4.0	7.3	5.3	7.3	5.7	6.3	6.0	6.7	6.3	2.7	4.0	5.7	6.7	6.3	5.8
ABT-99-4.464	8.0	5.3	3.3	6.3	5.7	7.7	4.3	6.0	7.0	7.0	6.3	2.7	4.0	6.0	6.0	6.3	5.8
LPR 98-144	7.3	4.0	3.7	7.0	4.3	8.0	6.3	6.0	6.3	7.0	6.3	3.0	4.0	5.7	7.0	6.0	5.8
PST-2RT	7.7	3.7	4.3	7.0	5.3	7.0	7.0	5.7	7.7	7.7	5.7	2.3	4.0	5.0	6.3	5.7	5.8
PACESETTER (6011)	7.7	4.7	3.7	7.0	6.3	6.7	5.0	6.0	7.3	7.3	5.7	2.3	4.0	6.0	6.0	6.0	5.7
PENTIUM (NJ-6401)	7.7	5.0	3.7	6.7	5.3	7.0	5.7	6.3	6.3	7.3	6.0	2.0	4.0	6.3	6.3	6.0	5.7
PST-2M4	7.7	4.0	3.7	6.3	4.7	7.0	7.0	6.0	7.7	7.0	5.3	2.3	5.0	5.7	6.0	6.3	5.7
DIVINE	8.3	5.3	3.7	7.0	4.7	7.3	5.7	6.0	7.0	7.0	5.7	2.7	4.0	5.0	5.7	6.3	5.7
SECRETARIAT	7.0	4.3	4.7	5.7	5.3	7.3	5.0	6.7	6.0	7.7	6.7	2.7	5.0	5.7	6.0	5.7	5.7
YATSUGREEN	7.3	4.7	4.7	6.7	4.3	6.3	7.7	6.3	5.7	7.0	7.0	2.7	4.7	4.0	6.7	5.7	5.7
DLF-LDD	8.0	5.3	4.0	6.3	5.0	6.3	5.3	7.0	6.0	7.7	5.7	2.3	4.3	6.3	5.7	6.0	5.7
EDGE	7.0	3.7	4.0	7.3	5.3	6.3	7.7	7.3	7.3	7.0	6.3	2.3	3.7	3.7	6.3	6.0	5.7
SUMMERSET (MB 413)	8.7	6.0	4.0	7.7	4.7	7.0	4.0	4.7	7.0	7.0	5.3	2.3	4.0	6.7	6.3	6.0	5.7
PICK PRNGS	8.3	5.3	4.0	7.0	5.7	6.7	5.0	6.0	6.7	7.3	5.3	2.0	4.0	5.3	6.3	6.3	5.7
PST-2CRR	8.0	4.0	4.0	7.0	6.0	6.7	4.0	5.7	7.7	7.7	6.3	2.3	4.0	6.0	5.7	6.0	5.7
PICK PR QH-97	8.3	6.0	3.3	7.0	5.7	6.7	5.0	4.7	6.3	7.3	5.7	2.3	5.0	5.3	5.3	6.3	5.6
PICK EX2	7.0	4.0	3.7	6.7	4.3	7.7	5.7	6.7	7.7	7.0	5.3	2.7	5.0	4.7	6.0	6.0	5.6
DP 17-9496	6.3	2.0	4.3	6.7	5.7	5.0	7.7	7.0	6.7	6.3	8.3	3.0	4.0	3.7	7.0	6.0	5.6
PENNANT II	7.7	5.0	3.3	7.7	6.0	7.0	5.0	4.3	7.0	7.0	6.0	2.0	4.0	6.0	5.3	6.3	5.6
PST-2JH	7.7	3.3	4.0	7.3	5.0	7.0	5.7	6.7	6.7	7.3	6.0	2.3	4.0	5.3	6.0	5.3	5.6
BRIGHTSTAR SLT (PST-2A6B)	7.7	5.3	4.0	6.7	5.0	6.7	4.3	5.0	6.7	7.3	5.7	2.0	4.7	6.7	5.7	6.0	5.6
BUCCANEER	7.0	5.3	4.0	6.7	5.0	6.0	7.3	6.3	4.7	6.7	6.7	1.7	4.7	4.3	6.7	6.3	5.6
ADMIRE (JR-151)	7.7	5.0	3.7	6.7	5.3	7.7	4.3	7.0	6.0	7.0	5.7	2.0	4.0	5.3	5.7	6.3	5.6
IQ (CIS-PR-75)	8.0	5.7	3.3	6.7	5.0	6.0	3.7	5.3	7.0	7.0	5.3	2.0	5.7	7.3	5.3	6.0	5.6
AFFINITY	7.0	2.7	4.3	6.7	4.3	6.7	6.7	7.3	6.7	6.7	6.3	2.3	4.0	5.0	6.3	6.3	5.6
LPR 98-143	7.0	3.3	3.7	7.3	5.3	7.7	7.3	3.7	6.0	7.0	6.0	2.7	4.0	5.7	6.3	6.0	5.6
RADIANT	8.3	5.7	3.7	7.3	4.3	6.7	4.3	4.7	6.7	7.0	5.3	2.0	5.0	7.0	5.0	6.0	5.6
WILMINGTON	8.0	4.3	4.0	7.0	5.3	6.7	5.3	2.7	7.7	7.3	5.3	2.7	4.0	7.3	5.7	5.7	5.6
MP88	7.3	6.3	3.0	7.3	5.0	6.7	4.7	3.7	8.0	7.0	5.7	2.0	4.0	6.7	5.7	5.7	5.5
PASSPORT	7.7	4.3	3.7	7.0	4.3	6.3	6.3	6.0	6.7	7.3	5.7	2.3	4.0	5.7	5.7	5.7	5.5
ALLSPORT	7.7	4.7	4.0	6.7	5.0	6.7	5.7	4.7	7.3	7.0	5.7	2.3	4.0	6.0	5.3	6.0	5.5
LINE DRIVE	7.7	3.7	4.0	6.3	5.0	7.0	4.7	5.7	8.0	7.0	6.0	2.3	4.0	5.7	5.7	5.7	5.5
KOOS R-71	7.0	4.0	4.0	6.3	5.0	6.7	6.3	6.0	7.0	7.0	6.3	2.3	4.0	4.3	6.3	5.7	5.5
WVPB-R-84	7.3	4.0	3.7	7.0	5.0	6.7	6.3	4.3	8.0	6.7	6.3	1.7	4.0	5.0	6.0	6.3	5.5
MAJESTY	7.7	4.3	4.0	6.3	5.3	8.0	4.3	4.7	6.3	7.0	5.7	2.0	4.0	6.3	6.0	6.3	5.5
GALLERY (MB 412)	8.7	4.3	3.7	7.0	4.0	7.0	5.0	4.7	6.0	7.3	5.3	2.7	4.0	6.7	5.7	6.0	5.5
GRAND SLAM 2L96 (PST-2L96)	8.0	5.0	4.0	7.3	4.7	6.3	4.3	5.3	6.5	6.5	5.7	2.0	4.0	7.0	5.3	6.0	5.5
SPLENDID (MB 411)	8.3	4.0	3.7	6.7	5.0	7.7	3.7	4.0	7.0	7.3	5.7	2.7	4.0	7.0	5.3	6.0	5.5
PREMIER	7.0	4.0	4.0	6.3	4.7	6.3	6.3	5.3	6.7	6.7	7.0	2.0	4.7	5.3	6.0	5.3	5.5
PROTYME (ABT-99-4.625)	8.0	4.3	3.3	7.0	5.7	6.0	4.7	3.7	7.3	7.0	5.7	2.0	4.0	6.7	6.3	6.0	5.5
HEADSTART	7.7	4.3	4.0	7.3	4.3	7.0	5.3	5.3	6.0	6.7	6.0	2.3	4.0	5.0	6.3	6.0	5.5
COURAGE (MB 410)	8.0	2.7	3.7	6.7	5.3	7.0	6.3	5.3	6.7	7.3	5.0	2.3	4.0	5.7	5.7	5.7	5.5
APR 776	7.3	4.0	3.7	7.0	4.3	6.7	5.3	5.7	6.3	7.3	6.0	2.3	4.0	5.3	5.7	6.3	5.5
NEXUS	8.7	4.3	3.0	8.0	5.0	6.7	4.3	4.3	6.3	7.3	4.3	2.3	4.0	7.3	5.3	6.0	5.5
RACER	8.0	5.0	4.7	7.0	5.0	6.3	3.7	4.0	6.7	7.0	5.7	2.7	4.0	5.7	6.3	5.7	5.5

TABLE 6. (CONT'D)

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	IA1	IL2	IN1	MD1	MI1	NE1	NJ1	NJ2	NY1	NY2	PA1	QE1	SD1	VA1	WA1	WI1	MEAN
SUPERSTAR (EP57)	8.0	4.3	3.3	6.3	5.0	5.7	5.0	4.7	6.3	7.0	6.3	2.0	4.7	6.3	6.0	6.3	5.5
BARLENNIUM	8.3	4.7	3.7	6.3	5.3	7.0	4.0	5.0	6.0	7.0	5.7	2.7	4.0	5.3	6.3	6.0	5.5
CATALINA II (PST-CATS)	8.0	5.0	4.3	8.0	5.0	6.0	4.0	5.0	6.3	7.0	5.0	2.3	4.0	6.0	5.0	6.0	5.4
JR-128	7.7	4.3	3.0	6.0	5.3	8.0	5.3	5.7	5.0	7.0	5.7	3.0	4.0	5.3	5.3	6.3	5.4
ASCEND	8.0	3.7	3.3	7.0	5.0	7.3	4.7	4.3	7.0	7.3	6.0	2.0	4.0	5.7	6.0	5.3	5.4
CATALINA	7.3	3.0	4.3	7.0	5.7	5.0	6.7	4.3	7.7	7.0	5.3	2.7	4.0	5.0	5.7	6.0	5.4
PROSPORT (AG-P981)	8.0	4.7	3.3	7.0	4.0	6.0	5.0	4.3	7.3	7.3	5.7	2.0	4.0	5.7	6.3	6.0	5.4
WVPB-R-82	6.0	3.3	3.7	6.0	4.3	7.0	6.7	5.3	7.7	7.0	6.0	3.0	5.0	4.3	5.7	5.7	5.4
MANHATTAN 3	7.3	3.3	3.3	7.0	5.3	6.3	5.0	5.3	6.7	7.0	6.0	2.0	4.0	6.0	5.7	6.3	5.4
MONTEREY II (JR-187)	7.7	4.0	3.3	6.0	5.3	7.3	5.7	5.0	5.7	7.3	6.0	2.3	4.0	5.7	5.3	6.0	5.4
CABO (CIS-PR-80)	9.0	4.3	3.7	7.0	4.7	6.3	4.0	5.0	6.0	7.0	5.7	2.3	4.0	6.7	5.0	5.7	5.4
EP53	8.0	5.0	3.3	5.7	5.3	6.3	4.0	5.0	7.0	6.3	6.3	2.3	4.0	5.3	5.7	6.0	5.4
PST-2LA	8.0	3.7	3.3	7.0	4.7	6.7	5.0	4.7	7.0	7.0	5.0	2.7	4.0	5.7	5.3	6.0	5.4
PHANTOM	7.7	3.0	4.0	7.7	4.3	5.7	5.0	3.7	7.7	7.0	5.7	2.3	4.0	7.0	5.3	5.7	5.4
MP107	8.3	4.3	4.0	7.0	5.0	6.3	3.7	3.7	6.7	7.0	5.3	2.0	4.0	6.7	5.7	5.7	5.3
PST-2SBE	8.3	4.3	3.7	6.3	4.7	6.7	5.3	4.3	6.7	7.0	4.7	2.3	4.0	6.0	5.0	6.0	5.3
BRIGHTSTAR II	8.0	4.0	3.3	6.7	5.0	6.3	5.0	4.0	8.0	7.3	4.7	2.7	4.0	5.7	5.3	5.0	5.3
EXTREME (JR-317)	7.7	4.0	4.0	6.0	5.0	7.0	4.3	4.3	7.0	6.7	5.0	2.3	4.0	6.7	5.0	5.7	5.3
PLEASURE XL	7.3	4.3	3.7	7.0	5.3	6.0	3.7	3.0	7.0	7.7	6.0	2.7	4.0	6.3	4.7	6.0	5.3
ICON (MB 414)	8.0	5.3	3.7	6.3	4.3	6.0	4.3	4.0	6.0	7.3	5.0	2.0	4.0	6.7	5.3	6.0	5.3
MEPY	7.3	5.0	3.7	7.3	5.3	6.7	4.3	3.7	6.7	7.0	5.3	2.0	4.0	5.7	4.7	5.7	5.3
DP 17-9069	7.0	4.3	3.7	7.0	5.0	6.0	4.0	4.3	7.0	6.7	6.0	2.3	4.7	3.7	5.7	6.3	5.2
MP103	8.0	5.3	3.7	7.0	4.7	6.3	2.7	3.0	7.0	6.7	4.3	2.7	4.0	6.3	5.7	6.0	5.2
APR 1235	7.0	3.3	3.0	7.0	4.0	7.3	4.7	2.7	6.3	7.3	5.7	2.3	4.0	6.3	5.7	6.3	5.2
DP LP-1	7.3	3.0	3.3	6.7	4.7	6.7	5.0	4.3	7.7	7.0	6.0	2.3	4.0	3.7	5.7	5.3	5.2
EPD	8.3	4.0	3.0	7.0	5.3	6.3	4.0	3.0	6.3	7.0	5.0	2.3	4.0	6.0	5.0	6.0	5.2
PICK PR 1-94	7.0	3.7	4.0	6.3	4.3	6.7	3.7	3.0	5.3	7.0	6.0	3.0	4.0	6.7	6.3	5.7	5.2
CATHEDRAL II	7.7	2.3	3.3	6.3	5.0	5.3	3.7	5.0	7.3	7.3	6.3	2.3	4.0	5.7	5.3	5.3	5.1
PARADIGM (APR 1236)	7.7	3.3	3.0	6.7	4.0	6.3	4.7	3.7	6.7	7.0	4.7	2.3	4.0	6.3	5.7	6.3	5.1
SALINAS (PST-2SLX)	8.0	4.0	4.3	6.3	4.3	6.7	4.0	4.0	7.0	7.3	4.7	2.0	4.0	5.3	4.3	6.0	5.1
LINN	6.0	4.0	4.7	6.7	3.3	2.0	7.0	8.3	6.3	5.7	8.0	2.0	4.0	3.0	5.0	6.0	5.1
APR 1232	7.3	4.0	3.0	6.3	4.3	6.3	3.7	4.0	6.7	7.0	5.7	3.0	4.0	4.3	6.3	5.7	5.1
CAS-LP84	8.0	4.3	3.3	7.3	4.7	6.0	3.0	3.7	6.7	6.7	5.0	2.3	4.0	6.3	4.7	5.3	5.1
SR 4350 (APR 1237)	7.3	4.0	3.7	6.3	4.3	7.3	1.3	3.3	7.7	7.3	5.0	3.0	4.0	5.7	4.7	6.0	5.1
PICK PR B-97	8.0	3.3	4.0	6.7	4.7	6.3	3.7	2.3	6.0	6.7	5.7	2.3	4.0	6.3	5.0	5.7	5.0
MDP	8.0	4.0	3.3	6.7	4.3	5.7	3.0	2.3	6.7	7.7	5.7	2.7	4.0	6.7	4.7	5.3	5.0
APR 1234	7.0	3.3	3.7	6.0	3.7	5.0	6.0	4.3	6.3	7.0	6.0	2.0	4.0	4.0	5.7	6.3	5.0
RENAISSANCE (APR 1233)	7.3	3.7	3.0	6.7	4.3	6.0	4.3	3.3	6.3	7.0	5.7	2.0	4.0	5.3	5.7	5.3	5.0
PROWLER (APR 777)	7.0	2.7	3.0	7.0	4.0	6.3	5.0	3.0	6.7	7.0	5.7	2.0	4.0	6.0	5.0	5.3	5.0
SKYHAWK	8.7	3.3	3.0	8.0	4.7	6.0	1.7	1.0	6.0	7.0	5.7	2.3	4.0	5.7	5.0	5.7	4.9
APR 1231	7.7	4.0	3.7	6.3	4.0	5.0	2.0	1.7	7.0	7.3	5.7	2.0	3.3	5.7	5.7	5.7	4.8
LSD VALUE	0.9	2.0	1.0	1.2	1.4	1.4	1.8	1.9	2.2	0.8	1.1	0.8	1.3	1.2	1.2	0.9	0.3
C.V. (%)	7.4	26.4	16.2	11.0	16.6	12.6	21.6	21.9	20.0	7.1	11.1	20.9	18.0	13.0	12.8	9.6	15.3

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 7. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	IA1	IL2	KS1	MD1	MI1	NJ1	NJ2	NY2	MEAN
PIZZAZZ	8.0	7.0	7.7	6.7	8.0	7.7	8.7	7.0	7.6
PENTIUM (NJ-6401)	8.0	7.7	7.3	6.0	7.7	8.0	9.0	6.7	7.5
SR 4220 (SRX 4801)	8.0	6.7	7.7	6.0	8.0	6.7	9.0	7.0	7.4
CITATION FORE (PST-2BR)	8.0	8.0	6.3	6.3	7.3	6.3	9.0	6.7	7.3
CHARISMATIC (LTP 98-501)	8.0	7.7	7.3	6.0	7.7	6.3	7.7	7.0	7.2
JET	8.0	7.3	7.0	6.7	7.7	6.0	8.3	6.7	7.2
ALL STAR2 (CIS-PR-78)	8.0	7.0	7.0	6.3	7.0	6.7	9.0	6.7	7.2
AMAZING (B1)	8.0	6.3	7.3	7.0	8.0	6.7	7.7	6.7	7.2
APPLAUD (PENNINGTON-11301)	8.0	7.0	7.3	6.0	7.7	6.3	8.3	6.7	7.2
GATOR 3 (CIS-PR-85)	8.0	7.0	6.7	6.0	8.0	6.3	8.7	6.7	7.2
HAWKEYE (SRX 4RHT)	8.0	7.0	7.7	6.0	7.7	6.0	8.3	6.3	7.1
MACH 1 (ROBERTS-627)	8.0	6.0	5.7	7.0	7.7	7.0	9.0	6.7	7.1
PINNACLE II (BAR 9 B2)	8.0	7.0	6.7	7.0	7.7	5.7	8.3	6.7	7.1
ARRIVAL (CIS-PR-84)	8.0	6.7	6.7	6.7	7.3	6.7	8.3	6.3	7.1
BLAZER IV (PICK MDR)	8.0	6.0	7.0	7.0	7.7	6.3	7.7	7.0	7.1
GALLERY (MB 412)	7.7	7.0	7.3	6.7	7.3	6.7	7.3	6.7	7.1
SR 4420 (SRX 4820)	8.0	5.3	8.0	6.0	7.7	6.3	8.3	6.7	7.0
SUNKISSED (ABT-99-4.834)	8.0	6.3	6.3	6.3	7.7	7.0	7.7	6.7	7.0
ASCEND	8.0	7.0	6.7	6.3	7.7	6.7	6.7	7.0	7.0
SEVILLE II	8.0	6.7	7.3	6.0	7.7	6.0	7.7	6.7	7.0
DLF-LDD	7.7	7.3	6.7	6.3	7.3	6.3	7.3	6.7	7.0
ELFKIN	8.0	6.7	6.7	6.0	8.0	6.3	7.7	6.3	7.0
GRAND SLAM 2L96 (PST-2L96)	8.0	7.0	7.7	6.3	7.3	5.3	8.0	6.0	7.0
ABT-99-4.115	8.0	7.0	6.7	6.0	7.3	5.7	8.0	7.0	7.0
INSPIRE (R8000)	8.0	6.7	7.3	6.0	7.0	6.0	8.0	6.7	7.0
PICK PR B-97	8.0	6.3	7.3	6.0	7.3	7.0	6.7	7.0	7.0
SALINAS (PST-2SLX)	7.3	6.3	7.7	6.0	8.0	5.7	7.7	7.0	7.0
QUEST II (ABT-99-4.721)	8.0	6.0	7.7	6.0	7.3	6.3	7.0	7.0	6.9
PICK PR 1-94	8.0	6.7	6.3	5.7	7.7	6.7	8.0	6.3	6.9
ADMIRE (JR-151)	8.0	6.3	7.7	6.0	7.7	6.0	7.0	6.7	6.9
CHURCHILL	8.0	7.3	7.0	6.3	7.7	6.0	6.0	7.0	6.9
COURAGE (MB 410)	8.0	7.0	7.3	6.0	8.0	6.0	6.3	6.7	6.9
FIESTA 3	8.0	6.3	6.7	6.0	7.3	5.7	8.7	6.3	6.9
PREMIER II	8.0	8.7	4.7	6.0	7.7	5.7	7.3	7.0	6.9
PROMISE	8.0	6.3	6.7	6.0	7.3	6.7	7.3	6.7	6.9
PST-2LA	8.0	7.0	6.7	6.0	7.7	5.7	7.3	6.7	6.9
DAZZLE (ABT-99-4.724)	8.0	5.3	6.3	6.7	8.0	6.3	7.7	6.7	6.9
ABT-99-4.965	8.0	7.7	6.3	6.3	7.3	6.0	6.7	6.7	6.9
AFFIRMED	8.0	6.7	6.7	6.0	7.3	6.0	7.3	6.7	6.8
BRIGHTSTAR SLT (PST-2A6B)	8.0	6.7	6.3	6.0	7.3	6.3	7.3	6.7	6.8
LTP-ME	7.7	8.0	6.0	6.0	7.7	6.0	7.0	6.3	6.8
PACESETTER (6011)	8.0	6.7	6.7	6.0	7.3	7.0	6.7	6.3	6.8
BRIGHTSTAR II	8.0	5.7	6.7	5.7	8.0	6.7	7.3	6.7	6.8
KOKOMO (CIS-PR-69)	8.0	5.7	5.7	6.3	7.3	6.7	8.3	6.7	6.8
SR 4500	8.0	7.0	5.3	6.3	7.7	6.0	7.7	6.7	6.8
ABT-99-4.560	8.0	7.3	5.0	6.0	7.3	6.3	7.3	7.0	6.8

TABLE 7. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

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

NAME	IA1	IL2	KS1	MD1	MI1	NJ1	NJ2	NY2	MEAN
NEXUS	7.7	6.3	6.3	6.0	7.3	6.3	7.3	7.0	6.8
PALMER III	8.0	5.7	7.3	6.0	7.7	6.0	7.3	6.3	6.8
PICK PR QH-97	8.0	6.3	6.0	6.0	7.7	5.7	7.3	7.3	6.8
SPLendid (MB 411)	8.0	6.7	7.0	6.0	7.7	6.0	6.3	6.7	6.8
SUMMERSET (MB 413)	8.0	5.7	7.0	6.0	8.0	6.3	6.7	6.7	6.8
MANHATTAN 4 (PST-2CRL)	7.7	6.0	6.3	6.0	8.0	5.7	8.0	6.7	6.8
CRUSIER (UT-1000)	8.0	6.3	6.7	6.0	7.7	5.7	7.3	6.7	6.8
CALYPSO II	8.0	6.0	7.3	6.0	7.7	6.3	6.3	6.3	6.8
CATALINA	8.0	5.0	7.0	6.3	7.7	5.7	7.3	7.0	6.8
EXACTA	8.0	7.3	6.3	6.0	7.3	5.7	6.3	7.0	6.8
JR-128	8.0	6.3	7.3	6.0	7.3	5.3	6.7	7.0	6.8
LINE DRIVE	8.0	6.3	7.0	6.0	7.7	5.0	7.0	7.0	6.8
PST-2JH	8.0	7.0	6.3	6.0	8.0	5.0	7.3	6.3	6.8
SRX 4120	8.0	7.7	7.3	6.0	7.0	4.7	6.3	7.0	6.8
MAJESTY	7.3	7.3	6.7	6.3	7.7	5.7	6.3	6.7	6.8
SKYHAWK	8.0	6.3	6.3	6.0	7.7	7.0	5.7	7.0	6.8
SR 4350 (APR 1237)	8.0	7.7	6.3	6.0	7.7	5.7	6.0	6.7	6.8
MP103	7.5	6.3	7.0	6.0	7.7	5.7	6.7	7.0	6.7
MP107	8.0	5.7	6.7	6.0	8.0	5.3	7.0	7.0	6.7
PST-2SBE	8.0	7.0	6.7	6.0	7.7	5.3	6.7	6.3	6.7
TERRADYNE (A5C)	8.0	6.7	6.0	6.3	7.3	6.0	7.0	6.3	6.7
APR 1231	8.0	6.3	7.0	6.0	7.7	6.0	5.7	7.0	6.7
PICK PRNGS	8.0	5.0	7.7	6.3	7.7	5.7	6.3	7.0	6.7
RACER II (PICK RC2)	8.0	7.0	6.3	6.0	7.3	6.0	6.0	7.0	6.7
RADIANT	8.0	5.3	6.7	6.3	7.3	6.0	7.0	7.0	6.7
SUPERSTAR (EP57)	7.3	6.7	7.3	6.0	7.7	6.7	5.3	6.7	6.7
ABT-99-4.339	8.0	6.0	7.0	6.0	7.0	5.3	7.0	7.0	6.7
BARLENNIUM	8.0	6.3	6.3	6.3	7.0	6.3	6.3	6.7	6.7
CABO (CIS-PR-80)	8.0	6.3	6.7	6.0	7.3	5.3	7.0	6.7	6.7
EXTREME (JR-317)	8.0	7.0	6.7	6.0	7.3	5.0	6.3	7.0	6.7
PST-2M4	8.0	5.7	6.7	6.0	7.3	5.7	7.3	6.7	6.7
STELLAR (CIS-PR-72)	8.0	5.0	7.0	6.0	7.7	6.0	7.3	6.3	6.7
APR 1232	8.0	7.0	7.3	6.0	8.0	4.7	5.3	7.0	6.7
EP53	8.0	6.3	5.7	6.0	7.7	6.3	6.7	6.7	6.7
PLEASURE XL	8.0	7.0	6.0	6.0	7.7	6.3	5.7	6.7	6.7
ABT-99-4.600	8.0	6.3	7.0	6.0	7.7	5.0	6.3	6.7	6.6
PROTYME (ABT-99-4.625)	8.0	6.3	6.0	6.0	7.7	5.7	6.3	7.0	6.6
DIVINE	8.0	6.7	6.0	6.0	8.0	5.7	5.7	7.0	6.6
LPR 98-144	8.0	7.0	7.7	6.0	7.7	5.0	5.7	6.0	6.6
WILMINGTON	7.7	6.0	7.0	6.0	7.7	6.0	6.0	6.7	6.6
CATHEDRAL II	8.0	5.0	7.0	6.3	7.7	5.7	6.7	6.7	6.6
ABT-99-4.464	8.0	7.0	6.7	6.0	7.7	5.0	6.3	6.0	6.6
IQ (CIS-PR-75)	8.0	6.0	6.0	6.0	7.3	5.7	7.3	6.3	6.6
PROSPORT (AG-P981)	7.7	5.3	6.7	6.0	8.0	6.7	6.0	6.3	6.6
CHARGER II	8.0	6.3	7.3	5.7	7.3	4.7	6.3	7.0	6.6
PENNANT II	8.0	5.3	6.7	6.0	7.7	5.7	6.3	7.0	6.6
PARAGON	8.0	6.0	6.7	6.0	7.7	4.3	7.3	6.3	6.5

TABLE 7. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/								MEAN
	IA1	IL2	KS1	MD1	MI1	NJ1	NJ2	NY2	
MONTEREY II (JR-187)	8.0	6.7	5.7	6.3	7.3	5.0	6.3	7.0	6.5
PANTHER	8.0	4.0	6.7	6.0	7.7	5.3	7.7	7.0	6.5
ICON (MB 414)	8.0	5.7	6.0	6.0	7.3	6.0	6.7	6.7	6.5
PST-2CRR	8.0	5.3	6.7	6.0	7.7	5.0	7.0	6.7	6.5
PST-2RT	8.0	5.3	6.0	6.0	7.0	6.7	6.7	6.7	6.5
HEADSTART	8.0	5.0	7.0	6.0	7.7	5.3	6.7	6.3	6.5
MDP	8.0	6.0	6.0	6.0	7.7	5.0	6.3	7.0	6.5
APR 776	8.0	4.0	7.0	5.7	7.7	6.3	6.3	6.7	6.5
PARADIGM (APR 1236)	8.0	6.7	5.7	5.7	7.3	5.7	6.3	6.3	6.5
ABT-99-4.815	8.0	6.0	7.0	6.0	7.3	5.0	5.7	6.7	6.5
MP88	8.0	3.7	6.7	6.3	7.7	6.0	6.3	7.0	6.5
SECRETARIAT	8.0	7.0	5.3	6.0	7.0	5.0	6.7	6.7	6.5
ALLSPORT	8.0	5.3	6.7	6.0	7.3	6.0	5.3	6.7	6.4
RENAISSANCE (APR 1233)	8.0	4.7	5.7	5.7	8.0	6.0	6.3	7.0	6.4
APR 1235	7.7	7.3	5.7	6.0	7.3	5.0	5.3	7.0	6.4
MANHATTAN 3	8.0	4.7	8.0	6.0	7.3	5.0	6.0	6.3	6.4
CATALINA II (PST-CATS)	8.0	5.0	6.3	6.0	7.7	5.0	6.7	6.7	6.4
EPD	8.0	5.3	6.3	6.0	7.3	5.7	6.0	6.7	6.4
MEPY	8.0	5.0	5.3	6.3	7.7	5.3	6.7	7.0	6.4
RACER	7.7	5.7	6.7	6.0	7.3	5.7	5.3	6.7	6.4
PROWLER (APR 777)	7.7	8.0	5.3	6.0	7.0	5.3	5.3	6.0	6.3
AFFINITY	7.7	6.3	6.3	5.7	8.0	5.0	5.0	6.7	6.3
PASSPORT	8.0	5.7	5.3	6.0	7.3	5.7	6.0	6.7	6.3
DP 17-9069	8.0	4.7	6.3	6.0	7.7	5.0	5.3	7.0	6.3
WVPB-R-82	8.0	4.7	6.3	5.7	8.0	4.7	6.0	6.7	6.3
PHANTOM	8.0	5.0	6.3	6.0	7.0	5.7	5.7	6.3	6.3
WVPB-R-84	8.0	6.0	5.7	6.0	7.3	4.7	5.7	6.7	6.3
DP LP-1	7.7	4.7	6.0	5.3	7.7	5.7	5.7	7.0	6.2
EDGE	8.0	4.7	6.5	6.0	7.3	5.0	5.0	7.0	6.2
PICK EX2	8.0	6.7	5.0	6.0	7.3	4.0	5.7	6.7	6.2
CAS-LP84	8.0	3.7	6.3	6.0	7.0	5.0	6.7	6.3	6.1
DP 17-9391	7.3	4.3	7.0	6.0	7.3	4.3	5.3	7.3	6.1
LPR 98-143	6.7	5.0	6.3	6.0	7.7	4.7	6.0	6.7	6.1
PREMIER	8.0	6.3	5.3	5.7	7.0	4.3	5.3	7.0	6.1
BY-100	8.0	5.3	5.7	6.0	7.3	4.0	5.3	6.7	6.0
KOOS R-71	7.7	4.7	5.0	6.0	7.3	4.7	6.0	6.3	6.0
BUCCANEER	8.0	5.0	5.3	5.7	8.0	4.0	5.0	6.7	6.0
YATSUGREEN	7.3	5.3	6.0	6.0	7.0	3.7	5.0	6.7	5.9
APR 1234	8.0	5.7	5.7	5.7	7.7	3.0	3.7	6.7	5.8
DP 17-9496	7.0	2.7	4.7	5.0	7.7	2.3	2.3	6.3	4.8
LINN	6.0	1.0	2.0	3.7	7.3	1.0	1.0	6.3	3.5
LSD VALUE	0.5	2.3	1.4	0.5	0.8	1.2	1.6	0.8	0.4
C.V. (%)	3.6	23.2	13.3	5.1	6.7	13.6	14.4	7.3	11.8

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

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

TABLE 8.

 SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2002 DATA

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

NAME	MI1	NE1	QE1	MEAN	NAME	MI1	NE1	QE1	MEAN
PARAGON	6.3	9.0	5.3	6.9	BRIGHTSTAR II	5.3	8.7	5.3	6.4
ABT-99-4.464	6.0	9.0	5.3	6.8	CABO (CIS-PR-80)	5.3	9.0	5.0	6.4
PICK PRNGS	6.3	9.0	5.0	6.8	CITATION FORE (PST-2BR)	5.0	9.0	5.3	6.4
PINNACLE II (BAR 9 B2)	6.3	9.0	5.0	6.8	DIVINE	5.0	9.0	5.3	6.4
AMAZING (B1)	5.7	9.0	5.3	6.7	EP53	5.0	9.0	5.3	6.4
BLAZER IV (PICK MDR)	5.7	9.0	5.3	6.7	EXTREME (JR-317)	5.0	9.0	5.3	6.4
HAWKEYE (SRX 4RHT)	6.0	9.0	5.0	6.7	FIESTA 3	5.3	9.0	5.0	6.4
PST-2CRR	6.0	8.7	5.3	6.7	GALLERY (MB 412)	5.0	9.0	5.3	6.4
STELLAR (CIS-PR-72)	5.3	9.0	5.7	6.7	IQ (CIS-PR-75)	5.3	8.7	5.3	6.4
APR 776	5.0	9.0	5.7	6.6	JR-128	5.0	9.0	5.3	6.4
CHARISMATIC (LTP 98-501)	5.7	9.0	5.0	6.6	LPR 98-143	5.0	9.0	5.3	6.4
ELFKIN	5.7	9.0	5.0	6.6	MANHATTAN 3	5.3	9.0	5.0	6.4
KOKOMO (CIS-PR-69)	5.7	9.0	5.0	6.6	MP103	5.0	9.0	5.3	6.4
PENTIUM (NJ-6401)	5.7	9.0	5.0	6.6	NEXUS	5.3	8.7	5.3	6.4
PICK PR 1-94	5.3	8.7	5.7	6.6	PASSPORT	5.0	9.0	5.3	6.4
PST-2SBE	5.3	8.7	5.7	6.6	PENNANT II	5.3	9.0	5.0	6.4
TERRADYNE (A5C)	5.3	8.7	5.7	6.6	PROMISE	5.3	8.7	5.3	6.4
ABT-99-4.560	5.3	9.0	5.3	6.6	SALINAS (PST-2SLX)	5.3	8.7	5.3	6.4
AFFIRMED	5.3	9.0	5.3	6.6	SEVILLE II	5.0	9.0	5.3	6.4
APPLAUD (PENNINGTON-11301)	5.3	9.0	5.3	6.6	SPLENDID (MB 411)	5.0	9.0	5.3	6.4
CHARGER II	5.3	9.0	5.3	6.6	SR 4500	5.3	9.0	5.0	6.4
COURAGE (MB 410)	5.3	9.0	5.3	6.6	WVPB-R-84	5.0	9.0	5.3	6.4
EXACTA	5.3	9.0	5.3	6.6	ABT-99-4.339	5.0	9.0	5.0	6.3
GATOR 3 (CIS-PR-85)	5.3	9.0	5.3	6.6	QUEST II (ABT-99-4.721)	5.7	8.3	5.0	6.3
GRAND SLAM 2L96 (PST-2L96)	5.3	9.0	5.3	6.6	ABT-99-4.815	5.0	9.0	5.0	6.3
HEADSTART	5.3	9.0	5.3	6.6	ALLSPORT	5.0	8.7	5.3	6.3
JET	5.3	9.0	5.3	6.6	APR 1235	5.0	8.7	5.3	6.3
LPR 98-144	5.3	9.0	5.3	6.6	ARRIVAL (CIS-PR-84)	5.3	8.3	5.3	6.3
MP88	5.3	9.0	5.3	6.6	CATALINA II (PST-CATS)	5.0	8.7	5.3	6.3
PICK PR B-97	5.3	9.0	5.3	6.6	EPD	5.0	8.3	5.7	6.3
PIZZAZZ	5.3	9.0	5.3	6.6	LINE DRIVE	5.3	8.7	5.0	6.3
PST-2JH	5.3	9.0	5.3	6.6	LTP-ME	5.3	8.3	5.3	6.3
PST-2LA	5.3	9.0	5.3	6.6	MAJESTY	5.0	9.0	5.0	6.3
SR 4420 (SRX 4820)	5.3	9.0	5.3	6.6	MONTEREY II (JR-187)	5.0	9.0	5.0	6.3
CRUSIER (UT-1000)	5.3	9.0	5.3	6.6	PALMER III	5.0	9.0	5.0	6.3
PROTYME (ABT-99-4.625)	5.3	8.3	5.7	6.4	PANTHER	5.0	9.0	5.0	6.3
ABT-99-4.115	5.0	9.0	5.3	6.4	PICK EX2	5.0	9.0	5.0	6.3
DAZZLE (ABT-99-4.724)	5.3	9.0	5.0	6.4	PICK PR QH-97	5.7	8.3	5.0	6.3
SUNKISSED (ABT-99-4.834)	5.0	9.0	5.3	6.4	PLEASURE XL	5.3	8.7	5.0	6.3
ABT-99-4.965	5.0	8.7	5.7	6.4	PREMIER II	5.3	8.7	5.0	6.3
ADMIRE (JR-151)	5.0	9.0	5.3	6.4	PST-2M4	5.3	8.7	5.0	6.3
ALL STAR2 (CIS-PR-78)	5.3	9.0	5.0	6.4	PST-2RT	5.0	9.0	5.0	6.3
APR 1232	5.0	9.0	5.3	6.4	RACER	5.0	8.7	5.3	6.3
RENAISSANCE (APR 1233)	5.3	9.0	5.0	6.4	SECRETARIAT	5.0	9.0	5.0	6.3
ASCEND	5.0	9.0	5.3	6.4	SR 4220 (SRX 4801)	5.0	9.0	5.0	6.3
BARLENNIUM	5.0	9.0	5.3	6.4	SR 4350 (APR 1237)	5.0	9.0	5.0	6.3
					WILMINGTON	5.3	8.3	5.3	6.3

TABLE 8. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
NAME	MI1	NE1	QE1	MEAN
APR 1231	5.0	9.0	4.7	6.2
BRIGHTSTAR SLT (PST-2A6B)	5.0	9.0	4.7	6.2
CAS-LP84	5.0	8.3	5.3	6.2
DP 17-9069	5.3	8.3	5.0	6.2
DP 17-9496	5.3	7.7	5.7	6.2
EDGE	5.0	8.3	5.3	6.2
WVPB-R-82	5.0	8.3	5.3	6.2
ABT-99-4.600	5.0	8.7	5.0	6.2
AFFINITY	5.0	8.7	5.0	6.2
BUCCANEER	5.3	8.0	5.3	6.2
CHURCHILL	5.0	8.7	5.0	6.2
DP 17-9391	5.0	8.7	5.0	6.2
DP LP-1	5.0	8.7	5.0	6.2
MEPY	5.0	8.7	5.0	6.2
PHANTOM	5.0	8.7	5.0	6.2
PREMIER	5.0	8.7	5.0	6.2
RACER II (PICK RC2)	5.0	8.7	5.0	6.2
RADIANT	5.0	8.7	5.0	6.2
SKYHAWK	5.0	8.7	5.0	6.2
SRX 4120	5.0	8.7	5.0	6.2
SUMMERSET (MB 413)	5.0	8.7	5.0	6.2
YATSUGREEN	5.0	8.7	5.0	6.2
BY-100	5.0	8.3	5.0	6.1
PARADIGM (APR 1236)	5.0	8.3	5.0	6.1
PROWLER (APR 777)	5.0	8.3	5.0	6.1
APR 1234	5.3	8.0	5.0	6.1
INSPIRE (R8000)	5.0	8.7	4.7	6.1
MACH 1 (ROBERTS-627)	5.7	7.3	5.3	6.1
MDP	5.0	8.7	4.7	6.1
MP107	5.0	8.7	4.7	6.1
PACESETTER (6011)	5.3	8.0	5.0	6.1
PROSPORT (AG-P981)	5.0	8.7	4.7	6.1
SUPERSTAR (EP57)	5.3	8.0	5.0	6.1
CALYPSO II	4.3	8.3	5.3	6.0
CATALINA	5.3	7.7	5.0	6.0
DLF-LDD	5.3	8.0	4.7	6.0
ICON (MB 414)	5.0	8.0	5.0	6.0
KOOS R-71	5.0	8.3	4.7	6.0
MANHATTAN 4 (PST-2CRL)	5.7	7.7	4.7	6.0
CATHEDRAL II	5.3	6.7	5.3	5.8
LINN	5.0	5.0	5.3	5.1
LSD VALUE	0.7	1.0	0.8	0.5
C.V. (%)	8.9	7.0	9.2	8.2

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 9.

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	MI1	PA1	QE1	MEAN	NAME	MI1	PA1	QE1	MEAN
PENTIUM (NJ-6401)	8.0	7.7	6.0	7.2	CABO (CIS-PR-80)	6.0	7.0	6.0	6.3
QUEST II (ABT-99-4.721)	7.3	7.7	6.0	7.0	COURAGE (MB 410)	6.0	7.0	6.0	6.3
CHARISMATIC (LTP 98-501)	7.0	8.0	6.0	7.0	DP 17-9391	6.0	7.3	5.7	6.3
PINNACLE II (BAR 9 B2)	7.3	8.0	5.7	7.0	FIESTA 3	6.3	7.0	5.7	6.3
DLF-LDD	6.3	8.3	6.0	6.9	GRAND SLAM 2L96 (PST-2L96)	6.0	7.3	5.7	6.3
ABT-99-4.115	6.0	8.3	6.0	6.8	LTP-ME	6.3	7.0	5.7	6.3
BLAZER IV (PICK MDR)	7.3	7.7	5.3	6.8	MONTEREY II (JR-187)	5.7	7.7	5.7	6.3
GATOR 3 (CIS-PR-85)	7.0	7.3	6.0	6.8	PACESETTER (6011)	6.0	7.3	5.7	6.3
APR 1231	6.0	8.0	6.0	6.7	PICK PR B-97	6.3	7.0	5.7	6.3
BRIGHTSTAR II	6.3	7.7	6.0	6.7	PLEASURE XL	5.7	7.3	6.0	6.3
HAWKEYE (SRX 4RHT)	6.3	7.7	6.0	6.7	PROMISE	5.7	7.3	6.0	6.3
MACH 1 (ROBERTS-627)	6.7	7.7	5.7	6.7	PROWLER (APR 777)	6.0	7.0	6.0	6.3
PARAGON	7.0	7.0	6.0	6.7	PST-2JH	5.7	7.3	6.0	6.3
SR 4500	6.0	8.0	6.0	6.7	SALINAS (PST-2SLX)	6.0	7.3	5.7	6.3
ARRIVAL (CIS-PR-84)	6.0	7.7	6.0	6.6	ABT-99-4.464	6.0	6.7	6.0	6.2
BRIGHTSTAR SLT (PST-2A6B)	6.3	7.7	5.7	6.6	ABT-99-4.560	5.7	8.0	5.0	6.2
DP 17-9069	7.0	7.0	5.7	6.6	CAS-LP84	6.0	7.0	5.7	6.2
IQ (CIS-PR-75)	6.0	7.7	6.0	6.6	CATHEDRAL II	5.7	7.3	5.7	6.2
MEPY	6.0	7.7	6.0	6.6	CHURCHILL	5.7	7.0	6.0	6.2
PREMIER II	6.7	7.3	5.7	6.6	ELFKIN	6.0	7.0	5.7	6.2
PST-2LA	5.7	8.3	5.7	6.6	EXTREME (JR-317)	5.7	7.0	6.0	6.2
SECRETARIAT	6.7	7.3	5.7	6.6	ICON (MB 414)	5.7	7.3	5.7	6.2
SR 4220 (SRX 4801)	6.0	8.0	5.7	6.6	JR-128	5.7	7.3	5.7	6.2
DAZZLE (ABT-99-4.724)	6.3	8.0	5.3	6.6	LPR 98-144	6.0	7.0	5.7	6.2
AFFIRMED	6.3	7.3	6.0	6.6	MANHATTAN 4 (PST-2CRL)	5.3	7.7	5.7	6.2
INSPIRE (R8000)	7.0	7.3	5.3	6.6	MDP	5.7	7.3	5.7	6.2
JET	6.3	7.3	6.0	6.6	MP88	5.0	7.7	6.0	6.2
MAJESTY	6.3	7.3	6.0	6.6	PICK PR 1-94	6.0	7.0	5.7	6.2
CALYPSO II	5.7	7.7	6.0	6.4	PST-2CRR	6.7	6.7	5.3	6.2
PST-2SBE	6.0	7.7	5.7	6.4	PST-2M4	5.7	7.3	5.7	6.2
CITATION FORE (PST-2BR)	6.7	7.3	5.3	6.4	PST-2RT	5.7	7.0	6.0	6.2
DIVINE	6.3	7.3	5.7	6.4	SR 4420 (SRX 4820)	5.7	7.3	5.7	6.2
EPD	6.3	7.0	6.0	6.4	CRUSIER (UT-1000)	6.0	7.0	5.7	6.2
KOKOMO (CIS-PR-69)	6.3	7.3	5.7	6.4	BARLENNIUM	5.3	7.3	6.0	6.2
PICK PRNGS	6.0	7.3	6.0	6.4	PICK PR QH-97	6.0	7.3	5.3	6.2
PIZZAZZ	6.3	7.7	5.3	6.4	ABT-99-4.965	6.0	6.7	5.7	6.1
RACER II (PICK RC2)	6.3	7.0	6.0	6.4	ALL STAR2 (CIS-PR-78)	5.7	6.7	6.0	6.1
SEVILLE II	6.3	7.7	5.3	6.4	ALLSPORT	5.7	6.7	6.0	6.1
SPLENDID (MB 411)	6.0	8.0	5.3	6.4	DP LP-1	5.7	6.7	6.0	6.1
SR 4350 (APR 1237)	6.3	7.7	5.3	6.4	LINE DRIVE	5.7	7.0	5.7	6.1
STELLAR (CIS-PR-72)	6.3	7.3	5.7	6.4	SRX 4120	5.7	6.7	6.0	6.1
SUNKISSED (ABT-99-4.834)	5.7	7.3	6.0	6.3	ABT-99-4.339	5.3	7.0	6.0	6.1
AMAZING (B1)	6.3	6.7	6.0	6.3	ABT-99-4.815	5.3	7.3	5.7	6.1
APPLAUD (PENNINGTON-11301)	6.0	7.3	5.7	6.3	ADMIRE (JR-151)	5.3	7.7	5.3	6.1
RENAISSANCE (APR 1233)	6.0	7.0	6.0	6.3	CATALINA	6.0	7.0	5.3	6.1
BY-100	6.0	7.0	6.0	6.3	EDGE	5.3	7.3	5.7	6.1
					EXACTA	5.3	7.7	5.3	6.1

TABLE 9. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

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

NAME	MI1	PA1	QE1	MEAN
NEXUS	5.3	7.0	6.0	6.1
PARADIGM (APR 1236)	6.3	6.7	5.3	6.1
PICK EX2	6.0	7.0	5.3	6.1
PROTYME (ABT-99-4.625)	5.7	6.7	5.7	6.0
AFFINITY	5.7	7.3	5.0	6.0
APR 1232	5.0	7.7	5.3	6.0
APR 1234	5.7	6.3	6.0	6.0
APR 1235	5.3	6.7	6.0	6.0
CHARGER II	6.0	6.3	5.7	6.0
HEADSTART	5.7	6.3	6.0	6.0
PENNANT II	5.3	7.0	5.7	6.0
PROSPORT (AG-P981)	6.0	7.0	5.0	6.0
RACER	5.7	6.3	6.0	6.0
RADIANT	5.0	7.0	6.0	6.0
SKYHAWK	5.3	6.7	6.0	6.0
SUPERSTAR (EP57)	5.3	7.0	5.7	6.0
TERRADYNE (ASC)	5.3	6.7	6.0	6.0
ABT-99-4.600	6.0	6.0	5.7	5.9
DP 17-9496	6.7	5.7	5.3	5.9
KOOS R-71	5.7	6.3	5.7	5.9
PALMER III	5.7	6.0	6.0	5.9
WILMINGTON	5.7	7.0	5.0	5.9
WVPB-R-82	5.7	6.3	5.7	5.9
MANHATTAN 3	6.3	6.3	5.0	5.9
PANTHER	5.3	7.0	5.3	5.9
MP103	4.7	7.0	5.7	5.8
SUMMERSET (MB 413)	4.7	7.7	5.0	5.8
APR 776	5.3	7.0	5.0	5.8
ASCEND	5.3	6.3	5.7	5.8
CATALINA II (PST-CATS)	4.7	7.3	5.3	5.8
MP107	5.3	7.0	5.0	5.8
EP53	4.7	6.7	5.7	5.7
GALLERY (MB 412)	4.7	6.7	5.7	5.7
LPR 98-143	5.3	6.0	5.7	5.7
PASSPORT	5.0	6.3	5.7	5.7
PHANTOM	5.0	6.3	5.7	5.7
PREMIER	5.7	6.0	5.3	5.7
WVPB-R-84	5.3	6.3	5.3	5.7
YATSUGREEN	5.7	6.0	5.0	5.6
BUCCANEER	5.0	5.7	5.7	5.4
LINN	5.0	3.0	5.3	4.4
LSD VALUE	1.5	1.1	0.9	0.7
C.V. (%)	15.7	9.6	9.7	11.8

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

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

TABLE 10.

FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	MI1	NE1	NJ1	NJ2	QE1	MEAN	NAME	MI1	NE1	NJ1	NJ2	QE1	MEAN
PENTIUM (NJ-6401)	6.7	9.0	8.0	8.7	5.7	7.6	GRAND SLAM 2L96 (PST-2L96)	7.0	9.0	5.0	7.0	6.0	6.8
SUNKISSED (ABT-99-4.834)	6.7	9.0	6.0	9.0	6.0	7.3	LTP-ME	7.0	9.0	5.7	6.3	6.0	6.8
MACH 1 (ROBERTS-627)	6.7	9.0	6.0	9.0	6.0	7.3	PROMISE	6.0	9.0	5.3	8.0	5.7	6.8
ELFKIN	7.3	9.0	7.0	7.3	6.0	7.3	RACER	7.3	9.0	5.7	6.0	6.0	6.8
PIZZAZZ	6.3	9.0	7.0	8.3	6.0	7.3	SRX 4120	7.3	9.0	6.0	5.7	6.0	6.8
APPLAUD (PENNINGTON-11301)	7.0	9.0	5.7	8.7	6.0	7.3	SUMMERSET (MB 413)	7.3	9.0	5.3	6.3	6.0	6.8
GATOR 3 (CIS-PR-85)	6.7	9.0	5.7	9.0	6.0	7.3	ABT-99-4.339	6.7	9.0	5.3	6.7	6.0	6.7
KOKOMO (CIS-PR-69)	6.7	9.0	6.3	8.3	6.0	7.3	ADMIRE (JR-151)	6.7	9.0	5.3	6.7	6.0	6.7
SR 4420 (SRX 4820)	7.0	9.0	6.0	8.3	6.0	7.3	AFFIRMED	7.0	9.0	4.7	7.0	6.0	6.7
ALL STAR2 (CIS-PR-78)	6.7	9.0	6.3	8.7	5.7	7.3	APR 1235	7.3	9.0	5.7	5.7	6.0	6.7
GALLERY (MB 412)	7.3	9.0	5.3	8.3	6.0	7.2	BARLENNIUM	6.7	9.0	5.7	6.3	6.0	6.7
CHARISMATIC (LTP 98-501)	6.7	9.0	5.7	8.3	6.0	7.1	BUCCANEER	7.0	9.0	5.7	6.0	6.0	6.7
CITATION FORE (PST-2BR)	7.0	9.0	5.0	8.7	6.0	7.1	CHURCHILL	6.7	9.0	5.3	6.7	6.0	6.7
NEXUS	6.7	9.0	6.7	7.0	6.0	7.1	PST-2JH	6.7	9.0	5.7	6.3	6.0	6.7
SR 4220 (SRX 4801)	6.7	9.0	5.7	8.0	6.0	7.1	PST-2SBE	6.3	9.0	5.7	6.7	6.0	6.7
QUEST II (ABT-99-4.721)	6.3	9.0	5.0	9.0	6.0	7.1	SPLENDID (MB 411)	7.0	9.0	4.7	7.0	6.0	6.7
RENAISSANCE (APR 1233)	6.7	9.0	6.3	7.3	6.0	7.1	MANHATTAN 4 (PST-2CRL)	6.3	9.0	5.7	7.0	5.7	6.7
LINE DRIVE	7.3	9.0	6.3	6.7	6.0	7.1	WILMINGTON	7.3	9.0	5.3	6.0	6.0	6.7
PANTHER	7.3	9.0	5.3	7.7	6.0	7.1	MANHATTAN 3	6.7	9.0	5.0	6.7	6.0	6.7
PICK PR 1-94	7.0	9.0	5.3	8.0	6.0	7.1	PARAGON	6.7	9.0	3.7	8.0	6.0	6.7
SEVILLE II	7.3	9.0	6.0	7.0	6.0	7.1	PICK PR B-97	6.7	9.0	5.0	6.7	6.0	6.7
STELLAR (CIS-PR-72)	7.0	9.0	6.3	7.0	6.0	7.1	PICK PR QH-97	7.0	9.0	4.7	6.7	6.0	6.7
ABT-99-4.115	6.7	9.0	6.3	7.0	6.0	7.0	ABT-99-4.600	7.0	9.0	5.0	6.3	6.0	6.7
BRIGHTSTAR II	6.3	9.0	6.0	7.7	6.0	7.0	APR 776	6.3	9.0	6.3	6.0	5.7	6.7
DLF-LDD	6.7	9.0	5.7	7.7	6.0	7.0	PLEASURE XL	7.0	9.0	5.3	6.3	5.7	6.7
EXACTA	6.7	9.0	5.7	7.7	6.0	7.0	TERRADYNE (A5C)	7.0	9.0	5.3	6.0	6.0	6.7
BLAZER IV (PICK MDR)	6.7	9.0	5.0	8.0	6.0	6.9	ABT-99-4.464	6.0	9.0	4.3	7.7	6.0	6.6
COURAGE (MB 410)	6.7	9.0	6.3	6.7	6.0	6.9	ABT-99-4.560	6.7	9.0	4.7	6.7	6.0	6.6
FIESTA 3	7.3	9.0	4.7	7.7	6.0	6.9	AFFINITY	6.3	9.0	5.0	6.7	6.0	6.6
PST-2LA	6.3	9.0	6.7	6.7	6.0	6.9	APR 1232	6.7	9.0	6.0	5.3	6.0	6.6
RACER II (PICK RC2)	6.7	9.0	5.7	7.3	6.0	6.9	BRIGHTSTAR SLT (PST-2A6B)	6.0	9.0	5.3	7.0	5.7	6.6
AMAZING (B1)	7.0	9.0	5.3	7.3	6.0	6.9	CATALINA	6.7	9.0	4.7	6.7	6.0	6.6
JET	6.3	9.0	6.0	7.3	6.0	6.9	CHARGER II	7.0	9.0	4.3	6.7	6.0	6.6
PACESETTER (6011)	6.3	9.0	7.0	6.3	6.0	6.9	EPD	6.7	9.0	5.3	6.0	6.0	6.6
PALMER III	7.3	9.0	5.0	7.3	6.0	6.9	INSPIRE (R8000)	6.3	9.0	5.0	6.7	6.0	6.6
PREMIER II	7.3	9.0	5.3	7.0	6.0	6.9	MONTEREY II (JR-187)	6.7	9.0	4.7	6.7	6.0	6.6
DAZZLE (ABT-99-4.724)	6.7	9.0	5.0	7.7	6.0	6.9	MP107	6.7	9.0	5.3	6.3	5.7	6.6
HAWKEYE (SRX 4RHT)	6.7	9.0	4.7	8.0	6.0	6.9	PICK EX2	6.7	9.0	4.7	6.7	6.0	6.6
IQ (CIS-PR-75)	6.7	9.0	5.0	7.7	6.0	6.9	RADIANT	6.7	9.0	4.3	7.0	6.0	6.6
PARADIGM (APR 1236)	6.7	9.0	6.0	6.7	6.0	6.9	SALINAS (PST-2SLX)	6.3	9.0	5.3	6.3	6.0	6.6
MAJESTY	7.0	9.0	5.3	7.0	6.0	6.9	SECRETARIAT	6.3	9.0	4.7	7.0	6.0	6.6
PINNACLE II (BAR 9 B2)	7.0	9.0	5.0	7.3	6.0	6.9	SR 4350 (APR 1237)	6.7	9.0	5.3	6.0	6.0	6.6
ABT-99-4.965	7.0	9.0	5.7	6.3	6.0	6.8	CRUSIER (UT-1000)	6.7	9.0	5.0	6.7	5.7	6.6
ARRIVAL (CIS-PR-84)	7.0	9.0	4.3	7.7	6.0	6.8	APR 1231	6.3	9.0	5.7	5.7	6.0	6.5
ASCEND	7.3	9.0	5.3	6.3	6.0	6.8	CABO (CIS-PR-80)	6.7	9.0	4.0	7.0	6.0	6.5
CALYPSO II	7.0	9.0	5.7	6.3	6.0	6.8	CATHEDRAL II	7.0	9.0	4.7	6.0	6.0	6.5
							ICON (MB 414)	6.7	9.0	4.7	6.7	5.7	6.5

TABLE 10. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

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

NAME	MI1	NE1	NJ1	NJ2	QE1	MEAN
PROWLER (APR 777)	6.3	9.0	6.7	4.7	6.0	6.5
PST-2M4	7.0	9.0	4.0	6.7	6.0	6.5
YATSUGREEN	6.7	9.0	5.3	5.7	6.0	6.5
PROTYME (ABT-99-4.625)	7.3	9.0	4.7	5.7	5.7	6.5
ABT-99-4.815	5.7	9.0	5.0	7.0	5.7	6.5
CAS-LP84	7.0	9.0	3.7	6.7	6.0	6.5
LPR 98-144	7.0	9.0	3.7	6.7	6.0	6.5
PST-2CRR	7.0	9.0	3.7	6.7	6.0	6.5
MEPY	6.7	9.0	4.3	6.3	6.0	6.5
PASSPORT	6.3	9.0	5.3	5.7	6.0	6.5
BY-100	6.7	9.0	4.7	5.7	6.0	6.4
EXTREME (JR-317)	7.0	9.0	4.0	6.0	6.0	6.4
KOOS R-71	6.7	9.0	4.0	6.3	6.0	6.4
MP88	7.0	9.0	5.3	4.7	6.0	6.4
PHANTOM	6.7	9.0	4.3	6.0	6.0	6.4
PICK PRNGS	6.0	9.0	5.7	5.7	5.7	6.4
PST-2RT	6.3	9.0	5.7	5.0	6.0	6.4
SR 4500	7.0	6.3	5.7	7.0	6.0	6.4
WVPB-R-82	6.3	9.0	4.3	6.3	6.0	6.4
DIVINE	6.7	9.0	4.7	5.3	6.0	6.3
JR-128	6.3	9.0	4.7	5.7	6.0	6.3
PENNANT II	6.7	9.0	4.3	5.7	6.0	6.3
PROSPORT (AG-P981)	6.7	9.0	4.3	6.0	5.7	6.3
SUPERSTAR (EP57)	6.7	9.0	4.7	5.3	6.0	6.3
WVPB-R-84	6.7	9.0	4.0	6.0	6.0	6.3
ALLSPORT	7.0	9.0	4.3	5.3	6.0	6.3
DP 17-9391	6.7	9.0	5.0	4.7	6.0	6.3
DP LP-1	6.7	9.0	4.0	6.0	5.7	6.3
MDP	7.0	9.0	4.0	5.7	5.7	6.3
MP103	6.7	9.0	4.0	5.7	6.0	6.3
PREMIER	6.7	9.0	4.0	5.7	6.0	6.3
SKYHAWK	6.7	9.0	5.0	5.0	5.7	6.3
EDGE	6.3	9.0	4.3	5.7	6.0	6.3
DP 17-9069	6.7	9.0	4.0	5.7	5.7	6.2
HEADSTART	6.7	9.0	3.7	6.0	5.7	6.2
LPR 98-143	6.7	9.0	3.3	6.0	6.0	6.2
CATALINA II (PST-CATS)	6.3	9.0	3.3	6.3	6.0	6.2
APR 1234	6.7	9.0	4.0	4.7	6.0	6.1
EP53	6.3	6.3	4.7	6.3	6.0	5.9
DP 17-9496	7.0	9.0	3.0	3.0	5.7	5.5
LINN	6.7	6.3	1.0	1.0	5.0	4.0
LSD VALUE	1.0	1.1	1.8	2.2	0.4	0.6
C.V. (%)	9.5	7.7	21.7	20.6	3.8	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 11.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IL2	M01	SD1	WI1	MEAN	NAME	IL2	M01	SD1	WI1	MEAN
ABT-99-4.115	97.0	97.0	91.7	94.0	94.9	SPLENDID (MB 411)	89.3	97.0	83.3	93.7	90.8
DAZZLE (ABT-99-4.724)	95.7	98.0	91.7	92.0	94.3	SR 4220 (SRX 4801)	93.3	98.0	78.3	93.3	90.8
PST-2CRR	98.7	96.0	90.0	92.3	94.3	DLF-LDD	96.0	97.0	76.7	93.0	90.7
WVPB-R-84	99.0	97.0	88.3	92.7	94.3	DP 17-9069	90.0	97.0	83.3	92.0	90.6
SR 4420 (SRX 4820)	93.7	97.0	90.0	93.3	93.5	MONTEREY II (JR-187)	98.0	96.0	73.3	94.7	90.5
GATOR 3 (CIS-PR-85)	97.3	97.0	86.3	93.3	93.5	ABT-99-4.600	91.0	97.0	81.7	91.7	90.3
GRAND SLAM 2L96 (PST-2L96)	91.3	96.0	93.3	92.3	93.3	KOOS R-71	94.7	93.7	81.7	91.3	90.3
CHURCHILL	96.7	98.0	88.0	89.7	93.1	MP103	82.3	95.0	91.7	92.3	90.3
CATALINA II (PST-CATS)	90.3	97.0	91.7	92.7	92.9	JET	90.7	97.0	80.0	93.3	90.3
PST-2M4	94.7	97.0	86.7	92.7	92.8	LINE DRIVE	91.0	98.0	80.0	92.0	90.3
COURAGE (MB 410)	93.3	98.0	88.3	90.7	92.6	ABT-99-4.965	87.3	96.0	86.7	90.7	90.2
KOKOMO (CIS-PR-69)	95.3	96.0	88.3	90.0	92.4	PARAGON	93.0	95.3	78.3	94.0	90.2
MANHATTAN 4 (PST-2CRL)	94.0	97.0	86.7	91.7	92.3	SEVILLE II	93.7	96.0	76.7	93.3	89.9
PALMER III	89.7	97.0	88.3	94.3	92.3	BUCCANEER	97.0	92.7	80.0	89.7	89.8
DP 17-9391	95.0	97.0	83.3	93.7	92.3	PST-2LA	94.0	98.0	71.7	95.0	89.7
APR 1235	98.3	98.0	83.3	89.3	92.3	RENAISSANCE (APR 1233)	93.3	94.3	79.7	91.3	89.7
FIESTA 3	92.0	98.0	83.3	95.0	92.1	CALYPSO II	99.0	98.0	66.7	93.7	89.3
ABT-99-4.339	88.7	97.0	86.7	95.3	91.9	PASSPORT	93.3	92.0	78.3	93.7	89.3
PACESETTER (6011)	93.0	98.0	81.7	95.0	91.9	AFFINITY	95.7	97.0	73.3	91.0	89.3
APR 776	96.3	98.0	83.3	90.0	91.9	LPR 98-143	92.7	92.0	81.7	90.0	89.1
PARADIGM (APR 1236)	98.3	96.0	83.3	90.0	91.9	CHARGER II	95.0	98.0	71.7	91.3	89.0
TERRADYNE (A5C)	93.7	97.0	86.7	89.7	91.8	CITATION FORE (PST-2BR)	91.3	97.0	75.0	92.7	89.0
MACH 1 (ROBERTS-627)	96.0	96.0	81.7	93.3	91.8	LTP-ME	88.0	98.0	81.7	88.3	89.0
SUNKISSED (ABT-99-4.834)	89.7	96.0	88.3	92.7	91.7	MP107	82.3	95.0	86.7	92.0	89.0
SR 4500	96.3	98.0	80.0	92.0	91.6	PINNACLE II (BAR 9 B2)	94.3	98.0	70.0	93.7	89.0
STELLAR (CIS-PR-72)	92.0	97.0	85.0	92.3	91.6	RACER II (PICK RC2)	96.7	96.0	70.0	93.3	89.0
ABT-99-4.560	93.7	98.0	81.7	92.7	91.5	CATALINA	90.3	96.0	76.7	92.7	88.9
PICK EX2	91.7	96.0	85.0	93.3	91.5	INSPIRE (R8000)	89.7	97.0	76.7	92.0	88.8
PST-2RT	97.3	98.3	76.7	93.7	91.5	EDGE	95.7	98.0	68.3	93.0	88.8
ALL STAR2 (CIS-PR-78)	90.7	96.0	88.3	90.7	91.4	DIVINE	89.3	96.0	78.3	91.3	88.8
APR 1231	95.7	97.0	80.0	93.0	91.4	DP LP-1	93.7	96.0	70.0	95.0	88.7
PREMIER	98.0	97.0	78.3	92.3	91.4	PST-2SBE	94.0	97.0	71.7	92.0	88.7
CRUSIER (UT-1000)	98.3	97.0	80.0	89.7	91.3	PST-2JH	96.0	97.0	68.3	93.3	88.7
PENTIUM (NJ-6401)	94.3	97.0	81.7	91.7	91.2	EXTREME (JR-317)	88.0	96.0	78.3	92.0	88.6
SR 4350 (APR 1237)	91.7	98.0	81.7	93.3	91.2	HAWKEYE (SRX 4RHT)	91.3	96.0	76.7	90.3	88.6
PROWLER (APR 777)	97.3	98.0	78.3	91.0	91.2	MAJESTY	91.0	96.0	75.0	92.3	88.6
WVPB-R-82	96.3	92.0	83.0	93.3	91.2	BY-100	94.0	98.0	70.0	92.0	88.5
PICK PR QH-97	92.0	98.0	81.7	92.7	91.1	EP53	93.0	97.0	71.7	92.3	88.5
BRIGHTSTAR SLT (PST-2A6B)	84.3	96.0	91.7	92.3	91.1	JR-128	94.7	98.0	66.7	94.3	88.4
IQ (CIS-PR-75)	84.3	96.0	91.7	92.3	91.1	NEXUS	90.7	96.0	76.7	90.0	88.3
RADIANT	85.3	96.0	93.3	89.7	91.1	LPR 98-144	87.3	89.3	85.0	91.7	88.3
SUPERSTAR (EP57)	91.3	97.0	85.0	91.0	91.1	ASCEND	90.0	95.0	76.7	91.3	88.3
EXACTA	96.7	97.3	76.7	93.3	91.0	BARLENNIUM	90.7	95.0	75.0	92.3	88.3
SRX 4120	94.7	98.0	80.0	91.3	91.0	ICON (MB 414)	91.3	97.0	75.0	89.7	88.3
QUEST II (ABT-99-4.721)	92.0	98.0	81.3	92.3	90.9	PIZZAZZ	97.0	92.0	70.0	93.0	88.0
MANHATTAN 3	96.0	97.0	78.3	92.3	90.9	SECRETARIAT	96.3	92.0	70.0	93.7	88.0
ADMIRE (JR-151)	96.7	97.0	75.0	94.7	90.8	PANTHER	81.7	96.0	78.3	95.0	87.8

TABLE 11. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	IL2	M01	SD1	WI1	MEAN
PROMISE	89.0	92.7	78.3	90.7	87.7
MEPY	86.0	96.0	76.7	91.7	87.6
BRIGHTSTAR II	89.7	98.0	70.0	92.3	87.5
ABT-99-4.815	82.7	97.0	76.7	92.7	87.3
BLAZER IV (PICK MDR)	80.7	97.0	78.3	93.0	87.3
APR 1234	98.0	95.0	70.0	85.7	87.2
ALLSPORT	96.7	97.0	65.0	89.7	87.1
ABT-99-4.464	91.0	98.0	66.7	92.0	86.9
SUMMERSET (MB 413)	80.7	96.0	81.7	89.3	86.9
PROTYME (ABT-99-4.625)	93.3	96.0	68.3	90.0	86.9
APPLAUD (PENNINGTON-11301)	97.0	97.0	58.7	95.0	86.9
CAS-LP84	87.0	97.0	73.3	90.3	86.9
CATHEDRAL II	93.7	98.0	65.0	90.7	86.8
EPD	80.0	96.0	78.0	93.0	86.8
PENNANT II	81.7	95.0	80.0	90.3	86.8
SKYHAWK	86.7	91.7	78.3	89.0	86.4
DP 17-9496	93.7	97.0	66.7	87.3	86.2
AMAZING (B1)	90.3	96.0	65.0	93.3	86.2
YATSUGREEN	97.3	92.7	60.0	92.7	85.7
AFFIRMED	96.0	98.3	55.0	93.3	85.7
PICK PR 1-94	91.7	92.0	68.3	90.3	85.6
PLEASURE XL	93.3	97.0	61.7	90.3	85.6
ELFKIN	83.7	98.0	68.3	91.7	85.4
GALLERY (MB 412)	82.3	96.0	73.3	89.0	85.2
MDP	85.7	95.0	68.3	90.0	84.8
PICK PRNGS	85.0	97.0	61.7	94.7	84.6
PROSPORT (AG-P981)	90.0	96.0	61.7	89.7	84.3
RACER	98.0	98.0	50.0	91.0	84.3
PREMIER II	95.0	97.0	53.3	91.0	84.1
MP88	83.7	94.3	63.3	93.3	83.7
APR 1232	95.3	98.0	50.0	91.3	83.7
CABO (CIS-PR-80)	87.7	96.0	58.3	92.3	83.6
PICK PR B-97	82.3	97.0	65.0	90.0	83.6
WILMINGTON	91.3	98.0	53.3	91.0	83.4
CHARISMATIC (LTP 98-501)	90.7	94.3	55.0	93.0	83.3
SALINAS (PST-2SLX)	85.7	96.0	56.7	94.0	83.1
PHANTOM	89.0	96.0	51.7	91.7	82.1
HEADSTART	90.0	89.3	55.0	91.0	81.3
LINN	76.7	90.0	70.0	83.3	80.0
ARRIVAL (CIS-PR-84)	94.7	97.0	33.3	90.0	78.8
LSD VALUE	10.1	5.5	30.3	3.7	8.2
C.V. (%)	6.8	3.5	24.8	2.5	11.4

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

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

TABLE 12. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL2	WI1	MEAN	NAME	IL2	WI1	MEAN
FIESTA 3	91.0	95.3	93.2	PENTIUM (NJ-6401)	74.3	93.0	83.7
SRX 4120	90.3	92.7	91.5	ASCEND	76.7	89.7	83.2
APR 1231	89.0	93.7	91.3	INSPIRE (R8000)	75.0	91.3	83.2
SR 4500	90.0	92.3	91.2	GATOR 3 (CIS-PR-85)	75.7	90.3	83.0
COURAGE (MB 410)	89.7	91.0	90.3	ABT-99-4.560	71.7	94.0	82.8
PST-2RT	87.7	93.0	90.3	ADMIRE (JR-151)	73.3	92.0	82.7
PICK EX2	84.7	95.7	90.2	MONTEREY II (JR-187)	73.3	91.7	82.5
PREMIER II	87.0	93.3	90.2	PARAGON	72.0	93.0	82.5
CHARISMATIC (LTP 98-501)	85.7	92.3	89.0	DP 17-9496	73.7	91.0	82.3
SECRETARIAT	87.3	90.7	89.0	ABT-99-4.339	70.3	94.3	82.3
PST-2LA	83.7	94.0	88.8	APR 776	74.7	89.7	82.2
GRAND SLAM 2L96 (PST-2L96)	85.7	91.7	88.7	PICK PRNGS	70.7	93.0	81.8
LPR 98-144	86.7	90.7	88.7	APPLAUD (PENNINGTON-11301)	69.7	93.7	81.7
SR 4420 (SRX 4820)	84.7	91.7	88.2	AFFIRMED	71.3	91.7	81.5
AFFINITY	83.3	92.7	88.0	WVPB-R-84	68.7	93.7	81.2
APR 1232	84.0	91.7	87.8	EDGE	68.7	93.3	81.0
APR 1234	86.7	88.3	87.5	CRUSIER (UT-1000)	70.7	91.3	81.0
LINE DRIVE	83.0	91.7	87.3	MAJESTY	69.3	92.3	80.8
ALL STAR2 (CIS-PR-78)	83.3	91.3	87.3	EXACTA	66.0	95.0	80.5
PIZZAZZ	83.3	91.0	87.2	SEVILLE II	67.0	94.0	80.5
JET	83.3	90.7	87.0	ARRIVAL (CIS-PR-84)	69.0	91.7	80.3
PACESETTER (6011)	78.7	95.0	86.8	CATALINA II (PST-CATS)	69.3	91.0	80.2
SR 4350 (APR 1237)	82.0	91.7	86.8	IQ (CIS-PR-75)	67.3	93.0	80.2
PST-2JH	81.7	91.3	86.5	ABT-99-4.600	68.0	92.0	80.0
SPLENDID (MB 411)	80.7	92.3	86.5	LTP-ME	70.3	89.7	80.0
JR-128	78.7	93.7	86.2	SALINAS (PST-2SLX)	66.3	93.7	80.0
RACER II (PICK RC2)	80.0	92.3	86.2	BY-100	68.7	91.0	79.8
QUEST II (ABT-99-4.721)	81.7	90.3	86.0	KOOS R-71	68.7	91.0	79.8
MACH 1 (ROBERTS-627)	81.3	90.7	86.0	ICON (MB 414)	70.3	89.3	79.8
YATSUGREEN	78.3	93.3	85.8	RACER	71.3	88.3	79.8
PICK PR 1-94	83.0	88.3	85.7	PINNACLE II (BAR 9 B2)	66.7	92.7	79.7
DP 17-9391	77.7	93.3	85.5	BUCCANEER	68.3	91.0	79.7
SR 4220 (SRX 4801)	76.0	94.7	85.3	DP LP-1	66.0	93.3	79.7
BLAZER IV (PICK MDR)	77.3	93.0	85.2	DAZZLE (ABT-99-4.724)	68.3	90.7	79.5
DLF-LDD	76.3	94.0	85.2	AMAZING (B1)	67.0	91.7	79.3
PICK PR QH-97	80.0	90.3	85.2	SUNKISSED (ABT-99-4.834)	67.3	91.3	79.3
PLEASURE XL	80.0	90.3	85.2	PROTYME (ABT-99-4.625)	69.7	88.7	79.2
CHURCHILL	81.0	89.0	85.0	SUPERSTAR (EP57)	68.3	90.0	79.2
HAWKEYE (SRX 4RHT)	78.7	91.0	84.8	GALLERY (MB 412)	70.0	88.0	79.0
CALYPSO II	76.3	93.0	84.7	MANHATTAN 3	66.3	91.7	79.0
ABT-99-4.115	75.3	93.7	84.5	PST-2M4	68.0	90.0	79.0
PICK PR B-97	79.0	89.7	84.3	KOKOMO (CIS-PR-69)	65.0	92.7	78.8
CITATION FORE (PST-2BR)	77.3	91.3	84.3	MANHATTAN 4 (PST-2CRL)	67.0	90.7	78.8
BARLENNIUM	80.0	88.3	84.2	APR 1235	70.0	87.0	78.5
ABT-99-4.464	78.7	89.0	83.8	DP 17-9069	63.3	93.0	78.2
DIVINE	75.0	92.7	83.8	PST-2SBE	64.3	92.0	78.2
ALLSPORT	76.3	91.3	83.8	BRIGHTSTAR II	65.7	90.3	78.0

TABLE 12. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL2	WI1	MEAN
BRIGHTSTAR SLT (PST-2A6B)	63.3	92.7	78.0
NEXUS	64.7	90.7	77.7
RADIANT	64.3	91.0	77.7
CABO (CIS-PR-80)	62.3	92.0	77.2
CATHEDRAL II	61.0	93.3	77.2
EXTREME (JR-317)	62.7	91.3	77.0
EPD	58.7	95.0	76.8
PARADIGM (APR 1236)	63.3	90.0	76.7
MDP	61.7	91.3	76.5
ABT-99-4.815	61.0	91.7	76.3
RENAISSANCE (APR 1233)	59.7	93.0	76.3
CHARGER II	62.3	90.3	76.3
PREMIER	62.7	90.0	76.3
CATALINA	58.7	93.0	75.8
ABT-99-4.965	62.3	89.0	75.7
TERRADYNE (A5C)	63.0	88.3	75.7
STELLAR (CIS-PR-72)	59.7	91.0	75.3
MP107	57.3	93.0	75.2
PROMISE	61.3	89.0	75.2
HEADSTART	57.0	92.3	74.7
MP88	57.0	91.7	74.3
PROWLER (APR 777)	56.0	91.0	73.5
WVPB-R-82	52.7	93.7	73.2
EP53	56.7	89.3	73.0
PALMER III	51.7	93.7	72.7
WILMINGTON	55.3	89.3	72.3
ELFKIN	51.7	91.3	71.5
LPR 98-143	52.7	90.0	71.3
MP103	50.7	91.7	71.2
PROSPORT (AG-P981)	54.3	88.0	71.2
MEPY	50.0	91.7	70.8
PST-2CRR	52.0	89.7	70.8
CAS-LP84	50.3	89.7	70.0
SUMMERSET (MB 413)	50.0	89.7	69.8
PASSPORT	44.7	93.7	69.2
PHANTOM	47.0	91.3	69.2
PANTHER	35.3	94.7	65.0
PENNANT II	33.0	91.3	62.2
LINN	35.7	85.0	60.3
SKYHAWK	29.0	89.3	59.2
LSD VALUE	21.5	4.1	11.0
C.V. (%)	19.3	2.8	12.0

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

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

TABLE 13. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	SD1	WI1	MEAN	NAME	SD1	WI1	MEAN
ABT-99-4.339	99.0	96.0	97.5	DP 17-9391	99.0	93.3	96.2
ABT-99-4.115	99.0	95.3	97.2	INSPIRE (R8000)	99.0	93.3	96.2
BLAZER IV (PICK MDR)	99.0	95.3	97.2	IQ (CIS-PR-75)	99.0	93.3	96.2
PARAGON	99.0	95.3	97.2	KOKOMO (CIS-PR-69)	99.0	93.3	96.2
DLF-LDD	99.0	95.0	97.0	LINE DRIVE	99.0	93.3	96.2
PASSPORT	99.0	95.0	97.0	ABT-99-4.464	99.0	93.0	96.0
PICK EX2	99.0	95.0	97.0	CATALINA	99.0	93.0	96.0
PST-2RT	99.0	95.0	97.0	DP LP-1	99.0	93.0	96.0
BRIGHTSTAR II	99.0	94.7	96.8	KOOS R-71	99.0	93.0	96.0
MANHATTAN 3	99.0	94.7	96.8	MACH 1 (ROBERTS-627)	99.0	93.0	96.0
MANHATTAN 4 (PST-2CRL)	99.0	94.7	96.8	MP103	99.0	93.0	96.0
PACESETTER (6011)	99.0	94.7	96.8	PHANTOM	99.0	93.0	96.0
PIZZAZZ	99.0	94.7	96.8	SRX 4120	97.7	94.3	96.0
PST-2JH	99.0	94.7	96.8	TERRADYNE (A5C)	99.0	93.0	96.0
SR 4420 (SRX 4820)	99.0	94.7	96.8	QUEST II (ABT-99-4.721)	99.0	92.7	95.8
SPLENDID (MB 411)	97.7	95.7	96.7	ASCEND	99.0	92.7	95.8
SUNKISSED (ABT-99-4.834)	99.0	94.3	96.7	COURAGE (MB 410)	99.0	92.7	95.8
ADMIRE (JR-151)	99.0	94.3	96.7	ELFKIN	99.0	92.7	95.8
EPD	99.0	94.3	96.7	EXTREME (JR-317)	99.0	92.7	95.8
GATOR 3 (CIS-PR-85)	99.0	94.3	96.7	JR-128	97.7	94.0	95.8
STELLAR (CIS-PR-72)	99.0	94.3	96.7	LPR 98-143	97.7	94.0	95.8
DAZZLE (ABT-99-4.724)	99.0	94.0	96.5	MDP	97.7	94.0	95.8
ALL STAR2 (CIS-PR-78)	99.0	94.0	96.5	PANTHER	97.7	94.0	95.8
APPLAUD (PENNINGTON-11301)	99.0	94.0	96.5	RACER II (PICK RC2)	99.0	92.7	95.8
APR 1231	99.0	94.0	96.5	SKYHAWK	99.0	92.7	95.8
DIVINE	99.0	94.0	96.5	ABT-99-4.560	96.0	95.3	95.7
DP 17-9069	99.0	94.0	96.5	AFFINITY	96.0	95.3	95.7
JET	99.0	94.0	96.5	CATALINA II (PST-CATS)	99.0	92.3	95.7
MONTEREY II (JR-187)	99.0	94.0	96.5	FIESTA 3	96.0	95.3	95.7
MP107	99.0	94.0	96.5	HAWKEYE (SRX 4RHT)	99.0	92.3	95.7
PALMER III	99.0	94.0	96.5	RENAISSANCE (APR 1233)	97.7	93.3	95.5
PINNACLE II (BAR 9 B2)	99.0	94.0	96.5	BRIGHTSTAR SLT (PST-2A6B)	99.0	92.0	95.5
PST-2M4	99.0	94.0	96.5	CAS-LP84	97.7	93.3	95.5
ABT-99-4.815	99.0	93.7	96.3	GRAND SLAM 2L96 (PST-2L96)	97.7	93.3	95.5
APR 776	99.0	93.7	96.3	LTP-ME	97.7	93.3	95.5
MAJESTY	99.0	93.7	96.3	PROWLER (APR 777)	99.0	92.0	95.5
PENTIUM (NJ-6401)	99.0	93.7	96.3	PICK PRNGS	97.7	93.0	95.3
PREMIER	99.0	93.7	96.3	PROMISE	97.7	93.0	95.3
WVPB-R-82	99.0	93.7	96.3	CRUSIER (UT-1000)	99.0	91.7	95.3
WVPB-R-84	99.0	93.7	96.3	BARLENNIUM	97.7	92.7	95.2
AMAZING (B1)	97.7	94.7	96.2	RADIANT	97.7	92.7	95.2
EXACTA	97.7	94.7	96.2	ABT-99-4.965	99.0	91.3	95.2
PST-2LA	97.7	94.7	96.2	GALLERY (MB 412)	99.0	91.3	95.2
SR 4350 (APR 1237)	97.7	94.7	96.2	PICK PR 1-94	99.0	91.3	95.2
SR 4500	97.7	94.7	96.2	ABT-99-4.600	97.7	92.3	95.0
BUCCANEER	99.0	93.3	96.2	CHARGER II	99.0	91.0	95.0
CHURCHILL	99.0	93.3	96.2	EP53	99.0	91.0	95.0

TABLE 13. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	SD1	WI1	MEAN
PICK PR QH-97	96.3	93.7	95.0
SUMMERSET (MB 413)	97.7	92.3	95.0
PENNANT II	97.7	92.0	94.8
SECRETARIAT	96.0	93.7	94.8
SR 4220 (SRX 4801)	94.7	95.0	94.8
ICON (MB 414)	96.0	93.3	94.7
APR 1235	99.0	89.7	94.3
LPR 98-144	96.0	92.7	94.3
LINN	99.0	88.7	93.8
SUPERSTAR (EP57)	96.3	91.3	93.8
CITATION FORE (PST-2BR)	92.7	94.3	93.5
MEPY	94.3	92.7	93.5
PARADIGM (APR 1236)	99.0	88.0	93.5
PROTYME (ABT-99-4.625)	96.0	90.7	93.3
PICK PR B-97	96.0	90.0	93.0
PLEASURE XL	92.7	93.0	92.8
PST-2CRR	97.7	88.0	92.8
NEXUS	99.0	85.7	92.3
ALLSPORT	92.7	91.7	92.2
YATSUGREEN	91.0	93.3	92.2
DP 17-9496	92.7	91.0	91.8
SEVILLE II	87.7	94.3	91.0
BY-100	88.0	93.3	90.7
PROSPORT (AG-P981)	83.0	93.7	88.3
MP88	82.7	93.7	88.2
APR 1234	85.0	91.0	88.0
CHARISMATIC (LTP 98-501)	76.0	93.3	84.7
RACER	76.3	93.0	84.7
SALINAS (PST-2SLX)	66.0	95.7	80.8
AFFIRMED	66.0	95.0	80.5
EDGE	66.0	94.7	80.3
APR 1232	66.0	94.3	80.2
CABO (CIS-PR-80)	66.0	94.3	80.2
CATHEDRAL II	66.0	94.0	80.0
PREMIER II	66.0	94.0	80.0
PST-2SBE	66.0	94.0	80.0
CALYPSO II	66.0	92.3	79.2
WILMINGTON	66.0	92.3	79.2
HEADSTART	61.3	93.7	77.5
ARRIVAL (CIS-PR-84)	38.0	93.3	65.7
LSD VALUE	29.2	4.1	14.8
C.V. (%)	19.3	2.8	13.8

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 14. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	VA1	NAME	VA1
ALL STAR2 (CIS-PR-78)	7.7	PST-2M4	6.3
JET	7.7	PST-2SBE	6.3
CABO (CIS-PR-80)	7.3	RADIANT	6.3
GALLERY (MB 412)	7.3	WILMINGTON	6.3
MACH 1 (ROBERTS-627)	7.3	ABT-99-4.464	6.0
STELLAR (CIS-PR-72)	7.3	APPLAUD (PENNINGTON-11301)	6.0
SUNKISSED (ABT-99-4.834)	7.0	ASCEND	6.0
AMAZING (B1)	7.0	BRIGHTSTAR II	6.0
ARRIVAL (CIS-PR-84)	7.0	CHURCHILL	6.0
BRIGHTSTAR SLT (PST-2A6B)	7.0	ELFKIN	6.0
KOKOMO (CIS-PR-69)	7.0	EXACTA	6.0
NEXUS	7.0	GRAND SLAM 2L96 (PST-2L96)	6.0
PENTIUM (NJ-6401)	7.0	JR-128	6.0
PIZZAZZ	7.0	LPR 98-143	6.0
SR 4420 (SRX 4820)	7.0	LTP-ME	6.0
TERRADYNE (A5C)	7.0	MANHATTAN 3	6.0
ABT-99-4.560	6.7	MONTEREY II (JR-187)	6.0
PROTYME (ABT-99-4.625)	6.7	MP103	6.0
DAZZLE (ABT-99-4.724)	6.7	MP88	6.0
CHARISMATIC (LTP 98-501)	6.7	PHANTOM	6.0
DLF-LDD	6.7	PICK PR B-97	6.0
HAWKEYE (SRX 4RHT)	6.7	PST-2CRR	6.0
IQ (CIS-PR-75)	6.7	SALINAS (PST-2SLX)	6.0
MANHATTAN 4 (PST-2CRL)	6.7	SEVILLE II	6.0
MEPY	6.7	SPLENDID (MB 411)	6.0
MP107	6.7	SR 4350 (APR 1237)	6.0
PARAGON	6.7	ABT-99-4.115	5.7
SR 4220 (SRX 4801)	6.7	AFFIRMED	5.7
SUMMERSET (MB 413)	6.7	ALLSPORT	5.7
CRUSIER (UT-1000)	6.7	CHARGER II	5.7
QUEST II (ABT-99-4.721)	6.3	COURAGE (MB 410)	5.7
ABT-99-4.965	6.3	EXTREME (JR-317)	5.7
BLAZER IV (PICK MDR)	6.3	LINE DRIVE	5.7
CAS-LP84	6.3	LPR 98-144	5.7
GATOR 3 (CIS-PR-85)	6.3	PICK EX2	5.7
ICON (MB 414)	6.3	PICK PR 1-94	5.7
INSPIRE (R8000)	6.3	PREMIER II	5.7
MAJESTY	6.3	PROMISE	5.7
MDP	6.3	RACER II (PICK RC2)	5.7
PACESETTER (6011)	6.3	SKYHAWK	5.7
PALMER III	6.3	SR 4500	5.7
PENNANT II	6.3	ABT-99-4.600	5.3
PICK PR QH-97	6.3	APR 1232	5.3
PINNACLE II (BAR 9 B2)	6.3	RENAISSANCE (APR 1233)	5.3
PROSPORT (AG-P981)	6.3	APR 776	5.3
PST-2LA	6.3	BARLENNIUM	5.3
		CALYPSO II	5.3

TABLE 14. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

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

NAME	VA1
CATALINA	5.3
CATALINA II (PST-CATS)	5.3
CITATION FORE (PST-2BR)	5.3
DIVINE	5.3
EDGE	5.3
EP53	5.3
EPD	5.3
KOOS R-71	5.3
PANTHER	5.3
PARADIGM (APR 1236)	5.3
PASSPORT	5.3
PICK PRNGS	5.3
PLEASURE XL	5.3
PREMIER	5.3
PST-2JH	5.3
PST-2RT	5.3
SRX 4120	5.3
SUPERSTAR (EP57)	5.3
ABT-99-4.339	5.0
ABT-99-4.815	5.0
APR 1234	5.0
APR 1235	5.0
BUCCANEER	5.0
DP LP-1	5.0
FIESTA 3	5.0
HEADSTART	5.0
SECRETARIAT	5.0
ADMIRE (JR-151)	4.7
AFFINITY	4.7
APR 1231	4.7
CATHEDRAL II	4.7
DP 17-9069	4.7
PROWLER (APR 777)	4.7
RACER	4.7
WVPB-R-84	4.7
BY-100	4.3
DP 17-9391	4.3
WVPB-R-82	4.3
YATSUGREEN	4.3
DP 17-9496	4.0
LINN	4.0
LSD VALUE	1.2
C.V. (%)	13.0

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

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

TABLE 15. DROUGHT TOLERANCE (WILTING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 2/

NAME	VA1	NAME	VA1
PASSPORT	4.7	SRX 4120	3.0
ABT-99-4.115	4.3	STELLAR (CIS-PR-72)	3.0
AFFINITY	4.3	YATSUGREEN	3.0
ABT-99-4.965	4.0	ABT-99-4.560	2.7
CALYPSO II	4.0	ABT-99-4.600	2.7
EDGE	4.0	QUEST II (ABT-99-4.721)	2.7
SR 4420 (SRX 4820)	4.0	DAZZLE (ABT-99-4.724)	2.7
WILMINGTON	4.0	APR 1234	2.7
ALLSPORT	3.7	APR 776	2.7
APPLAUD (PENNINGTON-11301)	3.7	ASCEND	2.7
PANTHER	3.7	BLAZER IV (PICK MDR)	2.7
PARADIGM (APR 1236)	3.7	CHARGER II	2.7
BRIGHTSTAR II	3.3	COURAGE (MB 410)	2.7
BRIGHTSTAR SLT (PST-2A6B)	3.3	DIVINE	2.7
BUCCANEER	3.3	EP53	2.7
CATALINA II (PST-CATS)	3.3	LINE DRIVE	2.7
ELFKIN	3.3	LTP-ME	2.7
MDP	3.3	MACH 1 (ROBERTS-627)	2.7
PALMER III	3.3	MAJESTY	2.7
PIZZAZZ	3.3	PICK EX2	2.7
RACER	3.3	PICK PR B-97	2.7
SPLENDID (MB 411)	3.3	PICK PRNGS	2.7
SR 4350 (APR 1237)	3.3	PINNACLE II (BAR 9 B2)	2.7
WVPB-R-84	3.3	PREMIER II	2.7
ABT-99-4.464	3.0	PST-2JH	2.7
SUNKISSED (ABT-99-4.834)	3.0	PST-2SBE	2.7
ADMIRE (JR-151)	3.0	SALINAS (PST-2SLX)	2.7
ALL STAR2 (CIS-PR-78)	3.0	SR 4220 (SRX 4801)	2.7
APR 1231	3.0	SUPERSTAR (EP57)	2.7
APR 1232	3.0	TERRADYNE (ASC)	2.7
ARRIVAL (CIS-PR-84)	3.0	CRUSIER (UT-1000)	2.7
BARLENNIUM	3.0	WVPB-R-82	2.7
CAS-LP84	3.0	PROTYME (ABT-99-4.625)	2.3
CATHEDRAL II	3.0	ABT-99-4.815	2.3
CHURCHILL	3.0	AFFIRMED	2.3
EXACTA	3.0	RENAISSANCE (APR 1233)	2.3
FIESTA 3	3.0	APR 1235	2.3
GRAND SLAM 2L96 (PST-2L96)	3.0	BY-100	2.3
HAWKEYE (SRX 4RHT)	3.0	CATALINA	2.3
IQ (CIS-PR-75)	3.0	CHARISMATIC (LTP 98-501)	2.3
KOKOMO (CIS-PR-69)	3.0	CITATION FORE (PST-2BR)	2.3
LPR 98-144	3.0	DLF-LDD	2.3
PICK PR 1-94	3.0	DP 17-9391	2.3
PREMIER	3.0	EPD	2.3
PROMISE	3.0	EXTREME (JR-317)	2.3
SR 4500	3.0	GALLERY (MB 412)	2.3
		ICON (MB 414)	2.3

TABLE 15. DROUGHT TOLERANCE (WILTING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 2/

NAME	VA1
INSPIRE (R8000)	2.3
JET	2.3
JR-128	2.3
LPR 98-143	2.3
MANHATTAN 4 (PST-2CRL)	2.3
MEPY	2.3
MP103	2.3
NEXUS	2.3
PACESETTER (6011)	2.3
PARAGON	2.3
PENNANT II	2.3
PENTIUM (NJ-6401)	2.3
PHANTOM	2.3
PICK PR QH-97	2.3
PLEASURE XL	2.3
PROWLER (APR 777)	2.3
PST-2CRR	2.3
PST-2LA	2.3
PST-2M4	2.3
PST-2RT	2.3
RACER II (PICK RC2)	2.3
RADIANT	2.3
SUMMERSET (MB 413)	2.3
ABT-99-4.339	2.0
AMAZING (B1)	2.0
CABO (CIS-PR-80)	2.0
DP 17-9069	2.0
DP 17-9496	2.0
DP LP-1	2.0
GATOR 3 (CIS-PR-85)	2.0
HEADSTART	2.0
KOOS R-71	2.0
LINN	2.0
MANHATTAN 3	2.0
MONTEREY II (JR-187)	2.0
MP107	2.0
MP88	2.0
PROSPORT (AG-P981)	2.0
SECRETARIAT	2.0
SEVILLE II	2.0
SKYHAWK	2.0
LSD VALUE	1.5
C.V. (%)	33.2

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 16. TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	SD1	NAME	SD1
PROSPORT (AG-P981)	8.0	KOKOMO (CIS-PR-69)	6.3
PST-2SBE	8.0	KOOS R-71	6.3
IQ (CIS-PR-75)	7.7	MACH 1 (ROBERTS-627)	6.3
LPR 98-144	7.7	MANHATTAN 3	6.3
EDGE	7.5	MANHATTAN 4 (PST-2CRL)	6.3
HEADSTART	7.5	PACESETTER (6011)	6.3
BRIGHTSTAR SLT (PST-2A6B)	7.3	PHANTOM	6.3
PALMER III	7.3	PST-2CRR	6.3
RADIANT	7.3	SRX 4120	6.3
ABT-99-4.600	7.0	SUPERSTAR (EP57)	6.3
DAZZLE (ABT-99-4.724)	7.0	TERRADYNE (A5C)	6.3
SUNKISSED (ABT-99-4.834)	7.0	CRUSIER (UT-1000)	6.3
ALL STAR2 (CIS-PR-78)	7.0	AFFINITY	6.0
ARRIVAL (CIS-PR-84)	7.0	RENAISSANCE (APR 1233)	6.0
CALYPSO II	7.0	APR 1234	6.0
GRAND SLAM 2L96 (PST-2L96)	7.0	ASCEND	6.0
LTP-ME	7.0	BARLENNIUM	6.0
PICK EX2	7.0	BLAZER IV (PICK MDR)	6.0
PST-2M4	7.0	BUCCANEER	6.0
SR 4420 (SRX 4820)	7.0	BY-100	6.0
STELLAR (CIS-PR-72)	7.0	CHURCHILL	6.0
WVPB-R-82	7.0	DIVINE	6.0
WVPB-R-84	7.0	DP 17-9391	6.0
ABT-99-4.115	6.7	FIESTA 3	6.0
ABT-99-4.339	6.7	MONTEREY II (JR-187)	6.0
ABT-99-4.560	6.7	MP107	6.0
QUEST II (ABT-99-4.721)	6.7	NEXUS	6.0
APPLAUD (PENNINGTON-11301)	6.7	PANTHER	6.0
CATALINA II (PST-CATS)	6.7	PASSPORT	6.0
GATOR 3 (CIS-PR-85)	6.7	PENTIUM (NJ-6401)	6.0
JET	6.7	PREMIER	6.0
LPR 98-143	6.7	PREMIER II	6.0
PARADIGM (APR 1236)	6.7	PST-2RT	6.0
SPLendid (MB 411)	6.7	APR 1231	5.7
SR 4220 (SRX 4801)	6.7	APR 1235	5.7
CABO (CIS-PR-80)	6.5	CATALINA	5.7
CATHEDRAL II	6.5	EP53	5.7
CHARISMATIC (LTP 98-501)	6.5	EPD	5.7
ABT-99-4.815	6.3	EXTREME (JR-317)	5.7
ABT-99-4.965	6.3	LINE DRIVE	5.7
APR 776	6.3	MP103	5.7
CAS-LP84	6.3	PARAGON	5.7
COURAGE (MB 410)	6.3	PENNANT II	5.7
DLF-LDD	6.3	PICK PR QH-97	5.7
DP 17-9069	6.3	PINNACLE II (BAR 9 B2)	5.7
HAWKEYE (SRX 4RHT)	6.3	PROMISE	5.7
		SEVILLE II	5.7

TABLE 16. TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

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

NAME	SD1
SR 4500	5.7
SUMMERSET (MB 413)	5.7
APR 1232	5.5
SALINAS (PST-2SLX)	5.5
WILMINGTON	5.5
ABT-99-4.464	5.3
ALLSPORT	5.3
EXACTA	5.3
INSPIRE (R8000)	5.3
JR-128	5.3
PROWLER (APR 777)	5.3
PST-2LA	5.3
SR 4350 (APR 1237)	5.3
ADMIRE (JR-151)	5.0
AFFIRMED	5.0
BRIGHTSTAR II	5.0
CHARGER II	5.0
CITATION FORE (PST-2BR)	5.0
DP 17-9496	5.0
DP LP-1	5.0
ELFKIN	5.0
GALLERY (MB 412)	5.0
LINN	5.0
MAJESTY	5.0
MDP	5.0
MEPY	5.0
PICK PR 1-94	5.0
PIZZAZZ	5.0
RACER	5.0
RACER II (PICK RC2)	5.0
SKYHAWK	5.0
ICON (MB 414)	4.7
PICK PRNGS	4.7
PST-2JH	4.7
SECRETARIAT	4.7
YATSUGREEN	4.7
MP88	4.5
PROTYME (ABT-99-4.625)	4.3
AMAZING (B1)	4.3
PICK PR B-97	4.3
PLEASURE XL	4.0
LSD VALUE	2.2
C.V. (%)	22.3

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

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

TABLE 17.

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	KS1	MI1	NJ1	RI1	MEAN	NAME	KS1	MI1	NJ1	RI1	MEAN
PENTIUM (NJ-6401)	8.3	6.7	7.7	6.7	7.3	BRIGHTSTAR II	7.3	3.0	6.7	6.7	5.9
STELLAR (CIS-PR-72)	6.7	5.7	8.3	7.7	7.1	CHARISMATIC (LTP 98-501)	5.0	6.7	6.7	5.3	5.9
MACH 1 (ROBERTS-627)	9.0	6.3	6.0	6.7	7.0	CITATION FORE (PST-2BR)	7.3	3.7	6.0	6.7	5.9
PROWLER (APR 777)	8.0	6.3	8.0	5.7	7.0	COURAGE (MB 410)	8.7	3.7	6.7	4.7	5.9
PST-2SBE	8.3	5.7	8.0	6.0	7.0	NEXUS	6.7	5.0	6.3	5.7	5.9
LINN	8.0	6.0	7.0	6.3	6.8	PST-2RT	8.3	5.7	5.7	4.0	5.9
SALINAS (PST-2SLX)	6.7	5.7	7.7	6.7	6.7	YATSUGREEN	5.7	6.3	6.7	5.0	5.9
DLF-LDD	8.7	5.3	6.3	6.0	6.6	DIVINE	7.0	5.0	5.7	5.7	5.8
AMAZING (B1)	7.0	5.7	7.7	5.7	6.5	JET	6.0	5.7	5.7	6.0	5.8
KOKOMO (CIS-PR-69)	8.3	4.3	6.7	6.7	6.5	BLAZER IV (PICK MDR)	7.3	5.0	6.7	4.3	5.8
MANHATTAN 3	7.7	5.0	6.7	6.7	6.5	MANHATTAN 4 (PST-2CRL)	5.3	4.3	6.3	7.3	5.8
PST-2M4	8.0	5.7	6.7	5.7	6.5	PINNACLE II (BAR 9 B2)	6.0	7.7	4.7	4.7	5.8
RENAISSANCE (APR 1233)	7.7	5.7	7.3	5.3	6.5	HAWKEYE (SRX 4RHT)	8.3	3.0	5.3	6.3	5.8
PST-2JH	7.0	4.3	7.7	7.0	6.5	PASSPORT	8.3	3.7	4.7	6.3	5.8
PROTYME (ABT-99-4.625)	8.3	3.7	7.3	6.3	6.4	BY-100	5.7	5.7	5.0	6.3	5.7
ALL STAR2 (CIS-PR-78)	7.0	6.0	5.0	7.0	6.3	MP88	8.3	2.3	6.0	6.0	5.7
CATALINA II (PST-CATS)	8.0	3.7	6.3	7.0	6.3	PLEASURE XL	6.7	4.3	5.7	6.0	5.7
PREMIER II	6.7	7.0	7.0	4.3	6.3	ABT-99-4.115	6.7	6.3	3.7	5.7	5.6
SEVILLE II	7.3	5.0	7.0	5.7	6.3	ARRIVAL (CIS-PR-84)	4.7	5.0	6.0	6.7	5.6
SR 4220 (SRX 4801)	8.0	6.0	5.0	6.0	6.3	CABO (CIS-PR-80)	6.3	4.0	6.0	6.0	5.6
ABT-99-4.560	8.0	5.0	5.7	6.0	6.2	DP 17-9069	5.7	7.0	5.3	4.3	5.6
QUEST II (ABT-99-4.721)	6.7	5.0	7.3	5.7	6.2	TERRADYNE (A5C)	6.7	4.3	6.0	5.3	5.6
IQ (CIS-PR-75)	8.3	5.0	5.7	5.7	6.2	CRUSIER (UT-1000)	8.0	3.0	5.3	6.0	5.6
PIZZAZZ	7.7	5.0	6.7	5.3	6.2	MAJESTY	7.0	5.7	4.7	4.7	5.5
PST-2LA	7.7	5.0	5.7	6.3	6.2	ABT-99-4.464	4.7	5.7	5.3	6.3	5.5
ELFKIN	7.3	5.0	7.0	5.3	6.2	ADMIRE (JR-151)	6.3	3.7	5.3	6.7	5.5
DAZZLE (ABT-99-4.724)	8.3	5.0	5.3	5.7	6.1	GATOR 3 (CIS-PR-85)	6.7	3.7	6.3	5.3	5.5
APPLAUD (PENNINGTON-11301)	5.7	6.7	5.3	6.7	6.1	SPLendid (MB 411)	6.7	3.7	5.3	6.3	5.5
CHARGER II	8.3	4.3	5.7	6.0	6.1	SR 4420 (SRX 4820)	6.7	3.7	5.7	6.0	5.5
PACESETTER (6011)	7.0	5.7	6.0	5.7	6.1	BARLENNIUM	6.3	4.3	5.3	5.7	5.4
PICK EX2	7.7	5.7	6.0	5.0	6.1	DP 17-9391	6.7	6.0	4.7	4.3	5.4
PROMISE	7.7	4.3	7.7	4.7	6.1	INSPIRE (R8000)	6.0	5.7	5.0	5.0	5.4
DP 17-9496	6.0	6.3	7.0	5.0	6.1	MONTEREY II (JR-187)	7.3	5.0	4.7	4.7	5.4
EXACTA	7.0	5.0	6.0	6.3	6.1	PICK PR QH-97	8.3	4.3	4.3	4.7	5.4
GRAND SLAM 2L96 (PST-2L96)	8.0	4.3	6.0	6.0	6.1	FIESTA 3	7.3	5.0	4.3	5.0	5.4
PICK PRNGS	7.7	6.0	5.3	5.3	6.1	ASCEND	6.3	3.7	5.7	5.7	5.3
APR 1231	8.3	5.0	6.0	4.7	6.0	DP LP-1	6.0	3.0	6.7	5.7	5.3
PICK PR B-97	6.7	5.7	6.0	5.7	6.0	CHURCHILL	6.3	4.3	4.7	6.0	5.3
ABT-99-4.965	5.7	4.3	6.3	7.7	6.0	APR 1232	6.7	3.0	5.7	5.7	5.3
PARADIGM (APR 1236)	6.3	3.7	7.3	6.7	6.0	LPR 98-144	8.0	2.3	6.0	4.7	5.3
PARAGON	6.3	6.7	6.0	5.0	6.0	ALLSPORT	7.3	3.7	4.7	5.3	5.3
PST-2CRR	7.0	5.7	6.0	5.3	6.0	APR 1234	6.3	4.3	5.3	5.0	5.3
SR 4500	7.3	4.3	5.7	6.7	6.0	CATALINA	7.0	3.7	5.0	5.3	5.3
SUMMERSET (MB 413)	7.7	3.0	7.0	6.3	6.0	GALLERY (MB 412)	6.3	2.3	6.3	6.0	5.3
APR 1235	6.3	4.3	8.0	5.3	6.0	PALMER III	6.3	3.7	5.0	6.0	5.3
APR 776	6.7	4.3	6.7	6.0	5.9	PROSPORT (AG-P981)	6.3	3.0	5.3	6.3	5.3
						SUNKISSED (ABT-99-4.834)	5.0	3.0	6.0	6.7	5.2

TABLE 17. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/					
NAME	KS1	MI1	NJ1	RI1	MEAN
AFFIRMED	6.7	5.0	3.3	5.7	5.2
EPD	6.7	3.7	5.3	5.0	5.2
MDP	7.0	3.0	5.0	5.7	5.2
PHANTOM	8.3	3.0	4.0	5.3	5.2
WILMINGTON	6.7	2.3	6.0	5.7	5.2
SRX 4120	7.0	4.3	3.7	5.7	5.2
ABT-99-4.600	7.7	4.3	3.3	5.0	5.1
EP53	8.0	2.3	5.0	5.0	5.1
LTP-ME	6.0	5.7	3.7	5.0	5.1
ABT-99-4.339	6.3	4.3	5.0	4.7	5.1
BUCCANEER	6.7	4.3	5.0	4.3	5.1
CALYPSO II	5.3	3.7	6.0	5.3	5.1
RACER	6.3	3.7	5.3	5.0	5.1
SECRETARIAT	5.7	4.3	5.0	5.3	5.1
SR 4350 (APR 1237)	5.3	3.7	5.3	6.0	5.1
BRIGHTSTAR SLT (PST-2A6B)	5.3	4.3	4.3	6.0	5.0
CAS-LP84	5.0	5.0	5.0	5.0	5.0
EDGE	6.0	3.0	6.0	5.0	5.0
LINE DRIVE	5.0	4.3	5.0	5.7	5.0
WVPB-R-82	7.0	4.3	5.0	3.7	5.0
WVPB-R-84	7.0	3.0	4.7	5.3	5.0
AFFINITY	5.7	4.3	4.0	5.7	4.9
HEADSTART	7.0	3.0	5.0	4.7	4.9
RACER II (PICK RC2)	6.7	4.3	5.0	3.7	4.9
CATHEDRAL II	6.7	3.0	4.0	5.7	4.8
PANTHER	4.7	4.3	4.7	5.7	4.8
KOOS R-71	6.3	3.0	4.7	5.0	4.8
LPR 98-143	5.0	4.3	5.0	4.7	4.8
PENNANT II	7.3	2.3	4.3	5.0	4.8
PICK PR 1-94	6.0	3.7	4.3	5.0	4.8
RADIANT	5.7	2.3	4.7	6.3	4.8
ABT-99-4.815	4.7	3.7	4.7	5.7	4.7
PREMIER	4.0	3.0	5.3	6.0	4.6
SKYHAWK	5.3	3.0	4.0	6.0	4.6
MEPY	7.3	2.3	3.7	4.7	4.5
ICON (MB 414)	5.0	2.3	4.0	6.3	4.4
SUPERSTAR (EP57)	4.7	3.0	4.3	5.7	4.4
MP107	5.3	1.7	5.3	5.3	4.4
EXTREME (JR-317)	5.7	3.7	4.3	3.7	4.3
JR-128	5.0	4.3	3.7	4.3	4.3
MP103	7.3	1.7	3.0	4.3	4.1
LSD VALUE	3.2	2.9	2.3	2.0	1.3
C.V. (%)	29.5	40.6	25.6	21.7	29.3

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
3/ DOLLAR SPOT CAUSED BY SCLEROTINIA HOMOEOCARPA AT 'NJ1'.

TABLE 18. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	VA1	NAME	VA1
BUCCANEER	9.0	DP LP-1	6.0
EDGE	8.3	ELFKIN	6.0
ADMIRE (JR-151)	8.0	EXTREME (JR-317)	6.0
AFFINITY	8.0	HEADSTART	6.0
EXACTA	8.0	KOKOMO (CIS-PR-69)	6.0
IQ (CIS-PR-75)	8.0	LPR 98-144	6.0
APR 1234	7.7	MEPY	6.0
APR 776	7.7	MP103	6.0
BRIGHTSTAR II	7.7	PENNANT II	6.0
LINN	7.7	PICK EX2	6.0
RACER II (PICK RC2)	7.7	PLEASURE XL	6.0
SR 4350 (APR 1237)	7.7	SECRETARIAT	6.0
AFFIRMED	7.3	YATSUGREEN	6.0
APR 1231	7.3	DAZZLE (ABT-99-4.724)	5.7
DP 17-9496	7.3	APR 1235	5.7
PARAGON	7.3	ASCEND	5.7
PASSPORT	7.3	FIESTA 3	5.7
WVPB-R-84	7.3	GATOR 3 (CIS-PR-85)	5.7
ALL STAR2 (CIS-PR-78)	7.0	MAJESTY	5.7
RENAISSANCE (APR 1233)	7.0	PARADIGM (APR 1236)	5.7
COURAGE (MB 410)	7.0	PST-2RT	5.7
GRAND SLAM 2L96 (PST-2L96)	7.0	RACER	5.7
JR-128	7.0	SALINAS (PST-2SLX)	5.7
KOOS R-71	7.0	SEVILLE II	5.7
PALMER III	7.0	SPLENDID (MB 411)	5.7
PANTHER	7.0	SUMMERSET (MB 413)	5.7
PICK PRNGS	7.0	ALLSPORT	5.3
SRX 4120	7.0	APPLAUD (PENNINGTON-11301)	5.3
ABT-99-4.115	6.7	APR 1232	5.3
BLAZER IV (PICK MDR)	6.7	ARRIVAL (CIS-PR-84)	5.3
CHARISMATIC (LTP 98-501)	6.7	BY-100	5.3
CHURCHILL	6.7	CATALINA II (PST-CATS)	5.3
LTP-ME	6.7	CITATION FORE (PST-2BR)	5.3
PICK PR 1-94	6.7	DP 17-9069	5.3
PST-2LA	6.7	EP53	5.3
SR 4220 (SRX 4801)	6.7	INSPIRE (R8000)	5.3
BARLENNIUM	6.3	MANHATTAN 4 (PST-2CRL)	5.3
CALYPSO II	6.3	MDP	5.3
HAWKEYE (SRX 4RHT)	6.3	MP107	5.3
PICK PR QH-97	6.3	MP88	5.3
SR 4420 (SRX 4820)	6.3	PINNACLE II (BAR 9 B2)	5.3
SR 4500	6.3	PREMIER II	5.3
WVPB-R-82	6.3	PROSPORT (AG-P981)	5.3
ABT-99-4.339	6.0	TERRADYNE (ASC)	5.3
CATALINA	6.0	SUNKISSED (ABT-99-4.834)	5.0
CATHEDRAL II	6.0	CHARGER II	5.0
		DLF-LDD	5.0

TABLE 18. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

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

NAME	VA1
DP 17-9391	5.0
GALLERY (MB 412)	5.0
LINE DRIVE	5.0
PST-2CRR	5.0
CRUSIER (UT-1000)	5.0
ABT-99-4.560	4.7
QUEST II (ABT-99-4.721)	4.7
AMAZING (B1)	4.7
BRIGHTSTAR SLT (PST-2A6B)	4.7
CABO (CIS-PR-80)	4.7
PACESETTER (6011)	4.7
PIZZAZZ	4.7
PROMISE	4.7
PROWLER (APR 777)	4.7
STELLAR (CIS-PR-72)	4.7
ABT-99-4.464	4.3
ABT-99-4.815	4.3
ABT-99-4.965	4.3
CAS-LP84	4.3
DIVINE	4.3
ICON (MB 414)	4.3
MANHATTAN 3	4.3
PHANTOM	4.3
PICK PR B-97	4.3
PREMIER	4.3
PST-2JH	4.3
SKYHAWK	4.3
EPD	4.0
MACH 1 (ROBERTS-627)	4.0
PENTIUM (NJ-6401)	4.0
PROTYME (ABT-99-4.625)	3.7
LPR 98-143	3.7
MONTEREY II (JR-187)	3.7
SUPERSTAR (EP57)	3.7
ABT-99-4.600	3.3
NEXUS	3.3
PST-2SBE	3.3
WILMINGTON	3.3
JET	3.0
PST-2M4	3.0
RADIANT	3.0
LSD VALUE	2.5
C.V. (%)	27.3

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. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	MD2	NAME	MD2
PST-2RT	7.7	CATALINA II (PST-CATS)	6.0
PST-2JH	7.3	CITATION FORE (PST-2BR)	6.0
CRUSIER (UT-1000)	7.3	DLF-LDD	6.0
APR 1232	7.0	EDGE	6.0
ICON (MB 414)	7.0	ELFKIN	6.0
STELLAR (CIS-PR-72)	7.0	INSPIRE (R8000)	6.0
AFFIRMED	6.7	JR-128	6.0
APR 1234	6.7	LPR 98-143	6.0
APR 1235	6.7	PICK PR B-97	6.0
ASCEND	6.7	PREMIER	6.0
CABO (CIS-PR-80)	6.7	PREMIER II	6.0
CHARGER II	6.7	SR 4500	6.0
COURAGE (MB 410)	6.7	WVPB-R-84	6.0
DIVINE	6.7	ABT-99-4.464	5.7
LINE DRIVE	6.7	ABT-99-4.560	5.7
PICK EX2	6.7	DAZZLE (ABT-99-4.724)	5.7
PIZZAZZ	6.7	ABT-99-4.815	5.7
PST-2LA	6.7	SUNKISSED (ABT-99-4.834)	5.7
RACER II (PICK RC2)	6.7	ADMIRE (JR-151)	5.7
SR 4350 (APR 1237)	6.7	AFFINITY	5.7
YATSUGREEN	6.7	AMAZING (B1)	5.7
ABT-99-4.600	6.3	APPLAUD (PENNINGTON-11301)	5.7
ALL STAR2 (CIS-PR-78)	6.3	APR 776	5.7
ARRIVAL (CIS-PR-84)	6.3	BRIGHTSTAR SLT (PST-2A6B)	5.7
CALYPSO II	6.3	DP 17-9496	5.7
DP 17-9391	6.3	EPD	5.7
FIESTA 3	6.3	GALLERY (MB 412)	5.7
IQ (CIS-PR-75)	6.3	GRAND SLAM 2L96 (PST-2L96)	5.7
KOKOMO (CIS-PR-69)	6.3	KOOS R-71	5.7
MAJESTY	6.3	MACH 1 (ROBERTS-627)	5.7
PARADIGM (APR 1236)	6.3	MANHATTAN 3	5.7
PENTIUM (NJ-6401)	6.3	MP88	5.7
PICK PR 1-94	6.3	NEXUS	5.7
PINNACLE II (BAR 9 B2)	6.3	PACESETTER (6011)	5.7
PLEASURE XL	6.3	PHANTOM	5.7
PST-2M4	6.3	PICK PRNGS	5.7
PST-2SBE	6.3	SALINAS (PST-2SLX)	5.7
RACER	6.3	SECRETARIAT	5.7
SR 4220 (SRX 4801)	6.3	SRX 4120	5.7
ABT-99-4.115	6.0	TERRADYNE (A5C)	5.7
ABT-99-4.965	6.0	WILMINGTON	5.7
RENAISSANCE (APR 1233)	6.0	ABT-99-4.339	5.3
BARLENNIUM	6.0	PROTYME (ABT-99-4.625)	5.3
BLAZER IV (PICK MDR)	6.0	QUEST II (ABT-99-4.721)	5.3
BRIGHTSTAR II	6.0	BUCCANEER	5.3
CAS-LP84	6.0	CATHEDRAL II	5.3
		CHARISMATIC (LTP 98-501)	5.3

TABLE 19. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

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

NAME	MD2
EXACTA	5.3
GATOR 3 (CIS-PR-85)	5.3
MANHATTAN 4 (PST-2CRL)	5.3
MONTEREY II (JR-187)	5.3
MP107	5.3
PARAGON	5.3
PENNANT II	5.3
PICK PR QH-97	5.3
PROWLER (APR 777)	5.3
PST-2CRR	5.3
RADIANT	5.3
SKYHAWK	5.3
SR 4420 (SRX 4820)	5.3
SUMMERSET (MB 413)	5.3
APR 1231	5.0
DP LP-1	5.0
EXTREME (JR-317)	5.0
JET	5.0
LPR 98-144	5.0
MEPY	5.0
PALMER III	5.0
PROSPORT (AG-P981)	5.0
SEVILLE II	5.0
SPLENDID (MB 411)	5.0
ALLSPORT	4.7
HAWKEYE (SRX 4RHT)	4.7
MDP	4.7
PROMISE	4.7
WVPB-R-82	4.7
BY-100	4.3
CATALINA	4.3
CHURCHILL	4.3
DP 17-9069	4.3
HEADSTART	4.3
MP103	4.3
LINN	4.0
PASSPORT	4.0
SUPERSTAR (EP57)	4.0
EP53	3.7
LTP-ME	3.7
PANTHER	3.0
LSD VALUE	1.6
C.V. (%)	17.1

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

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

TABLE 20. FALL COLOR (SEPTEMBER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

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

NAME	WI1	NAME	WI1
SUNKISSED (ABT-99-4.834)	7.7	QUEST II (ABT-99-4.721)	6.3
KOKOMO (CIS-PR-69)	7.3	ADMIRE (JR-151)	6.3
MACH 1 (ROBERTS-627)	7.3	ASCEND	6.3
SPLENDID (MB 411)	7.3	BRIGHTSTAR SLT (PST-2A6B)	6.3
DAZZLE (ABT-99-4.724)	7.0	CALYPSO II	6.3
ABT-99-4.965	7.0	CAS-LP84	6.3
ALL STAR2 (CIS-PR-78)	7.0	EPD	6.3
AMAZING (B1)	7.0	EXACTA	6.3
ARRIVAL (CIS-PR-84)	7.0	FIESTA 3	6.3
BLAZER IV (PICK MDR)	7.0	ICON (MB 414)	6.3
BRIGHTSTAR II	7.0	LTP-ME	6.3
CABO (CIS-PR-80)	7.0	PALMER III	6.3
CITATION FORE (PST-2BR)	7.0	PARADIGM (APR 1236)	6.3
DLF-LDD	7.0	PENNANT II	6.3
GATOR 3 (CIS-PR-85)	7.0	PICK PR B-97	6.3
HAWKEYE (SRX 4RHT)	7.0	PICK PR QH-97	6.3
INSPIRE (R8000)	7.0	PROMISE	6.3
IQ (CIS-PR-75)	7.0	PST-2M4	6.3
PARAGON	7.0	PST-2RT	6.3
PINNACLE II (BAR 9 B2)	7.0	SALINAS (PST-2SLX)	6.3
PIZZAZZ	7.0	SEVILLE II	6.3
SR 4220 (SRX 4801)	7.0	SKYHAWK	6.3
STELLAR (CIS-PR-72)	7.0	SUMMERSET (MB 413)	6.3
TERRADYNE (A5C)	7.0	CRUSIER (UT-1000)	6.3
PROTYME (ABT-99-4.625)	6.7	WILMINGTON	6.3
APPLAUD (PENNINGTON-11301)	6.7	ABT-99-4.339	6.0
BARLENNIUM	6.7	ABT-99-4.600	6.0
CHARISMATIC (LTP 98-501)	6.7	ABT-99-4.815	6.0
CHURCHILL	6.7	AFFIRMED	6.0
GALLERY (MB 412)	6.7	APR 1235	6.0
GRAND SLAM 2L96 (PST-2L96)	6.7	APR 776	6.0
JET	6.7	CATALINA II (PST-CATS)	6.0
MANHATTAN 4 (PST-2CRL)	6.7	CHARGER II	6.0
MDP	6.7	COURAGE (MB 410)	6.0
MP88	6.7	ELFKIN	6.0
NEXUS	6.7	LINE DRIVE	6.0
PACESETTER (6011)	6.7	LPR 98-143	6.0
PENTIUM (NJ-6401)	6.7	LPR 98-144	6.0
PHANTOM	6.7	MAJESTY	6.0
PREMIER II	6.7	MANHATTAN 3	6.0
PST-2CRR	6.7	MEPY	6.0
RADIANT	6.7	MONTEREY II (JR-187)	6.0
SR 4420 (SRX 4820)	6.7	MP103	6.0
ABT-99-4.115	6.3	MP107	6.0
ABT-99-4.464	6.3	PANTHER	6.0
ABT-99-4.560	6.3	PICK PR 1-94	6.0
		PICK PRNGS	6.0

TABLE 20. FALL COLOR (SEPTEMBER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

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

NAME	WI1
PLEASURE XL	6.0
PROSPORT (AG-P981)	6.0
PST-2JH	6.0
PST-2SBE	6.0
RACER	6.0
RACER II (PICK RC2)	6.0
SR 4500	6.0
SUPERSTAR (EP57)	6.0
ALLSPORT	5.7
CATHEDRAL II	5.7
DIVINE	5.7
EP53	5.7
EXTREME (JR-317)	5.7
HEADSTART	5.7
JR-128	5.7
PASSPORT	5.7
PST-2LA	5.7
SECRETARIAT	5.7
SR 4350 (APR 1237)	5.7
APR 1231	5.3
APR 1232	5.3
BY-100	5.3
CATALINA	5.3
DP LP-1	5.3
EDGE	5.3
KOOS R-71	5.3
PICK EX2	5.3
PREMIER	5.3
SRX 4120	5.3
WVPB-R-84	5.3
AFFINITY	5.0
RENAISSANCE (APR 1233)	5.0
APR 1234	5.0
BUCCANEER	5.0
DP 17-9069	5.0
PROWLER (APR 777)	5.0
WVPB-R-82	5.0
YATSUGREEN	5.0
DP 17-9391	4.7
DP 17-9496	4.7
LINN	4.0
LSD VALUE	0.8
C.V. (%)	7.7

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 21. POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/			
NAME	WI1	NAME	WI1
ABT-99-4.560	9.0	BLAZER IV (PICK MDR)	8.7
ABT-99-4.600	9.0	BRIGHTSTAR II	8.7
DAZZLE (ABT-99-4.724)	9.0	CALYPSO II	8.7
ALL STAR2 (CIS-PR-78)	9.0	CAS-LP84	8.7
ALLSPORT	9.0	CATALINA	8.7
APR 1231	9.0	CHARGER II	8.7
RENAISSANCE (APR 1233)	9.0	CHARISMATIC (LTP 98-501)	8.7
APR 776	9.0	CHURCHILL	8.7
BY-100	9.0	DIVINE	8.7
CABO (CIS-PR-80)	9.0	DLF-LDD	8.7
DP 17-9069	9.0	DP 17-9496	8.7
DP 17-9391	9.0	EDGE	8.7
DP LP-1	9.0	ELFKIN	8.7
EXACTA	9.0	EP53	8.7
FIESTA 3	9.0	EPD	8.7
GATOR 3 (CIS-PR-85)	9.0	HAWKEYE (SRX 4RHT)	8.7
JET	9.0	INSPIRE (R8000)	8.7
KOOS R-71	9.0	IQ (CIS-PR-75)	8.7
LINN	9.0	JR-128	8.7
MAJESTY	9.0	LPR 98-143	8.7
PALMER III	9.0	LPR 98-144	8.7
PARADIGM (APR 1236)	9.0	LTP-ME	8.7
PASSPORT	9.0	MDP	8.7
PHANTOM	9.0	MONTEREY II (JR-187)	8.7
PICK EX2	9.0	MP103	8.7
PREMIER II	9.0	PACESETTER (6011)	8.7
PST-2LA	9.0	PANTHER	8.7
RACER II (PICK RC2)	9.0	PARAGON	8.7
SALINAS (PST-2SLX)	9.0	PENTIUM (NJ-6401)	8.7
SR 4350 (APR 1237)	9.0	PICK PRNGS	8.7
SR 4500	9.0	PREMIER	8.7
SRX 4120	9.0	PROMISE	8.7
SUPERSTAR (EP57)	9.0	PROSPORT (AG-P981)	8.7
CRUSIER (UT-1000)	9.0	PROWLER (APR 777)	8.7
ABT-99-4.115	8.7	PST-2CRR	8.7
ABT-99-4.339	8.7	PST-2JH	8.7
PROTYME (ABT-99-4.625)	8.7	PST-2M4	8.7
QUEST II (ABT-99-4.721)	8.7	PST-2RT	8.7
ABT-99-4.815	8.7	RACER	8.7
SUNKISSED (ABT-99-4.834)	8.7	SECRETARIAT	8.7
AFFINITY	8.7	SEVILLE II	8.7
AFFIRMED	8.7	TERRADYNE (A5C)	8.7
AMAZING (B1)	8.7	WVPB-R-82	8.7
APR 1234	8.7	WVPB-R-84	8.7
APR 1235	8.7	YATSUGREEN	8.7
ARRIVAL (CIS-PR-84)	8.7	ABT-99-4.464	8.3
ASCEND	8.7	ABT-99-4.965	8.3

TABLE 21. POA ANNUA RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/	
NAME	WI1
ADMIRE (JR-151)	8.3
APPLAUD (PENNINGTON-11301)	8.3
APR 1232	8.3
BARLENNIUM	8.3
BRIGHTSTAR SLT (PST-2A6B)	8.3
BUCCANEER	8.3
CATALINA II (PST-CATS)	8.3
CATHEDRAL II	8.3
CITATION FORE (PST-2BR)	8.3
COURAGE (MB 410)	8.3
EXTREME (JR-317)	8.3
GALLERY (MB 412)	8.3
HEADSTART	8.3
KOKOMO (CIS-PR-69)	8.3
LINE DRIVE	8.3
MACH 1 (ROBERTS-627)	8.3
MANHATTAN 4 (PST-2CRL)	8.3
MP107	8.3
MP88	8.3
PICK PR 1-94	8.3
PICK PR QH-97	8.3
PIZZAZZ	8.3
PST-2SBE	8.3
SPLENDID (MB 411)	8.3
SR 4220 (SRX 4801)	8.3
STELLAR (CIS-PR-72)	8.3
SUMMERSET (MB 413)	8.3
WILMINGTON	8.3
GRAND SLAM 2L96 (PST-2L96)	8.0
MANHATTAN 3	8.0
PENNANT II	8.0
PICK PR B-97	8.0
PINNACLE II (BAR 9 B2)	8.0
RADIANT	8.0
SKYHAWK	8.0
SR 4420 (SRX 4820)	8.0
ICON (MB 414)	7.7
MEPY	7.7
NEXUS	7.7
PLEASURE XL	7.7
LSD VALUE	0.9
C.V. (%)	6.2

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 22. CRABGRASS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2002 DATA

CRABGRASS RATINGS 1-9; 9=NONE 2/

NAME	NY1	NAME	NY1
DIVINE	8.0	EXTREME (JR-317)	7.0
MAJESTY	8.0	FIESTA 3	7.0
ABT-99-4.464	7.7	GATOR 3 (CIS-PR-85)	7.0
ABT-99-4.600	7.7	MANHATTAN 3	7.0
AMAZING (B1)	7.7	PALMER III	7.0
ASCEND	7.7	PARADIGM (APR 1236)	7.0
DP 17-9496	7.7	PENNANT II	7.0
INSPIRE (R8000)	7.7	PHANTOM	7.0
LPR 98-144	7.7	PICK PR QH-97	7.0
MANHATTAN 4 (PST-2CRL)	7.7	PICK PRNGS	7.0
MEPY	7.7	PLEASURE XL	7.0
PIZZAZZ	7.7	QUEST II (ABT-99-4.721)	6.7
PROWLER (APR 777)	7.7	ABT-99-4.965	6.7
PST-2CRR	7.7	ADMIRE (JR-151)	6.7
RACER II (PICK RC2)	7.7	APR 1231	6.7
SALINAS (PST-2SLX)	7.7	APR 1234	6.7
SEVILLE II	7.7	BRIGHTSTAR II	6.7
SR 4350 (APR 1237)	7.7	CATALINA	6.7
ABT-99-4.339	7.3	CHURCHILL	6.7
ABT-99-4.560	7.3	CITATION FORE (PST-2BR)	6.7
AFFINITY	7.3	GALLERY (MB 412)	6.7
ALLSPORT	7.3	HEADSTART	6.7
BRIGHTSTAR SLT (PST-2A6B)	7.3	MACH 1 (ROBERTS-627)	6.7
CATALINA II (PST-CATS)	7.3	MDP	6.7
KOOS R-71	7.3	MP107	6.7
LPR 98-143	7.3	NEXUS	6.7
PANTHER	7.3	PICK EX2	6.7
PARAGON	7.3	PST-2RT	6.7
PENTIUM (NJ-6401)	7.3	SPLENDID (MB 411)	6.7
PICK PR B-97	7.3	PROTYME (ABT-99-4.625)	6.3
PROMISE	7.3	APPLAUD (PENNINGTON-11301)	6.3
PST-2SBE	7.3	APR 776	6.3
SKYHAWK	7.3	BARLENNIUM	6.3
SUPERSTAR (EP57)	7.3	BLAZER IV (PICK MDR)	6.3
WVPB-R-84	7.3	CALYPSO II	6.3
YATSUGREEN	7.3	CHARGER II	6.3
ALL STAR2 (CIS-PR-78)	7.0	DLF-LDD	6.3
APR 1235	7.0	EDGE	6.3
ARRIVAL (CIS-PR-84)	7.0	ICON (MB 414)	6.3
BY-100	7.0	IQ (CIS-PR-75)	6.3
CABO (CIS-PR-80)	7.0	JR-128	6.3
CAS-LP84	7.0	LINE DRIVE	6.3
CATHEDRAL II	7.0	MP88	6.3
EP53	7.0	PASSPORT	6.3
EPD	7.0	PINNACLE II (BAR 9 B2)	6.3
EXACTA	7.0	SECRETARIAT	6.3
		SRX 4120	6.3

TABLE 22. CRABGRASS RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2002 DATA

CRABGRASS RATINGS 1-9; 9=NONE 2/	
NAME	NY1
STELLAR (CIS-PR-72)	6.3
ABT-99-4.115	6.0
ABT-99-4.815	6.0
SUNKISSED (ABT-99-4.834)	6.0
DP 17-9069	6.0
DP 17-9391	6.0
KOKOMO (CIS-PR-69)	6.0
MONTEREY II (JR-187)	6.0
MP103	6.0
PACESETTER (6011)	6.0
PREMIER II	6.0
RADIANT	6.0
WVPB-R-82	6.0
DAZZLE (ABT-99-4.724)	5.7
RENAISSANCE (APR 1233)	5.7
BUCCANEER	5.7
ELFKIN	5.7
HAWKEYE (SRX 4RHT)	5.7
PICK PR 1-94	5.7
PREMIER	5.7
PROSPORT (AG-P981)	5.7
PST-2JH	5.7
PST-2LA	5.7
SR 4420 (SRX 4820)	5.7
SUMMERSET (MB 413)	5.7
CRUSIER (UT-1000)	5.7
WILMINGTON	5.7
APR 1232	5.3
CHARISMATIC (LTP 98-501)	5.3
JET	5.3
LTP-ME	5.3
PST-2M4	5.3
RACER	5.3
SR 4220 (SRX 4801)	5.3
SR 4500	5.3
TERRADYNE (A5C)	5.3
AFFIRMED	5.0
COURAGE (MB 410)	5.0
DP LP-1	4.7
GRAND SLAM 2L96 (PST-2L96)	4.5
LINN	3.7
LSD VALUE	2.7
C.V. (%)	25.7

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 23.

PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
AT COLUMBIA (TRAFFIC STUDY), MO 2/
2002 DATA

NAME	TRAFFIC IN SPRING (MAY 28)				TRAFFIC IN FALL (OCTOBER 23)				MEAN (AFTER TRAFFIC)
	BEFORE TRAFFIC	AFTER TRAFFIC (MAY 28)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	BEFORE TRAFFIC	AFTER TRAFFIC (OCT.23)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	
PENTIUM (NJ-6401)	98.0	94.7	97.3	97.3	98.7	73.3	86.7	86.7	91.1
CITATION FORE (PST-2BR)	98.0	95.0	97.7	97.7	97.3	71.7	81.7	81.7	90.2
PST-2M4	98.3	94.3	95.7	95.7	98.3	71.7	85.0	85.0	90.2
RACER II (PICK RC2)	98.3	95.0	96.3	96.3	98.0	70.0	85.0	85.0	90.2
AMAZING (B1)	98.7	90.0	94.7	94.7	98.0	73.3	85.0	85.0	89.4
PLEASURE XL	98.3	96.3	96.7	96.7	97.7	73.3	76.7	76.7	89.4
BLAZER IV (PICK MDR)	98.7	96.3	96.7	96.7	96.3	66.7	80.0	80.0	89.2
GRAND SLAM 2L96 (PST-2L96)	98.7	96.0	96.0	96.0	99.0	65.0	83.3	83.3	89.2
CHURCHILL	98.7	96.3	98.0	98.0	98.0	65.0	80.0	80.0	88.9
ABT-99-4.115	98.3	94.7	97.0	97.0	97.0	65.0	81.7	81.7	88.8
AFFIRMED	98.7	93.0	96.3	96.3	98.3	68.3	83.3	83.3	88.8
APPLAUD (PENNINGTON-11301)	98.7	96.3	98.0	98.0	98.0	65.0	78.3	78.3	88.8
DIVINE	98.7	94.7	95.7	95.7	98.3	66.7	80.0	80.0	88.6
CHARISMATIC (LTP 98-501)	97.7	92.7	96.0	96.0	94.7	66.7	81.7	81.7	88.4
CATALINA II (PST-CATS)	98.7	96.3	96.3	96.3	98.0	68.3	75.0	75.0	88.1
EXACTA	99.0	96.3	97.0	97.0	97.3	65.0	78.3	78.3	87.9
APR 1232	99.0	96.3	98.0	98.0	98.3	63.3	78.3	78.3	87.8
LPR 98-143	97.0	88.3	92.3	92.3	92.7	76.7	78.3	78.3	87.8
COURAGE (MB 410)	98.3	95.0	96.3	96.3	97.3	61.7	78.3	78.3	87.6
PICK PR 1-94	98.7	93.3	95.7	95.7	95.0	68.3	78.3	78.3	87.6
ABT-99-4.560	97.3	94.7	97.0	97.0	96.7	65.0	73.3	73.3	87.3
GATOR 3 (CIS-PR-85)	97.3	93.0	97.0	97.0	96.7	68.3	75.0	75.0	87.1
MACH 1 (ROBERTS-627)	96.0	89.7	93.0	93.0	96.7	71.7	78.3	78.3	87.1
SR 4350 (APR 1237)	99.0	96.3	97.3	97.3	97.3	68.3	71.7	71.7	87.1
AFFINITY	98.7	93.3	97.0	97.0	95.7	63.3	76.7	76.7	87.0
BARLENNIUM	98.3	91.7	93.3	93.3	98.0	66.7	78.3	78.3	87.0
PARADIGM (APR 1236)	97.7	93.3	94.3	94.3	95.7	63.3	78.3	78.3	87.0
SEVILLE II	98.3	96.3	96.0	96.0	97.3	63.3	75.0	75.0	87.0
KOKOMO (CIS-PR-69)	98.3	94.7	94.7	94.7	95.7	65.0	76.7	76.7	86.9
SR 4500	98.7	95.0	97.3	97.3	98.3	60.0	76.7	76.7	86.9
MONTEREY II (JR-187)	97.3	94.7	96.3	96.3	98.3	63.3	75.0	75.0	86.8
PINNACLE II (BAR 9 B2)	97.7	90.0	94.0	94.0	97.0	68.3	76.7	76.7	86.8
PST-2JH	98.3	93.3	95.0	95.0	97.0	61.7	78.3	78.3	86.8
CATHEDRAL II	99.0	96.0	97.3	97.3	98.0	56.7	76.7	76.7	86.7
SPLendid (MB 411)	98.7	95.0	97.0	97.0	95.7	66.7	68.3	68.3	86.7
SUPERSTAR (EP57)	95.3	94.7	96.3	96.3	97.0	60.0	76.7	76.7	86.7
APR 1235	98.7	90.0	96.3	96.3	97.3	70.0	75.0	75.0	86.6
NEXUS	97.3	93.3	95.0	95.0	94.7	66.7	78.3	78.3	86.6
PICK PR B-97	98.3	96.3	96.3	96.3	96.3	61.7	75.0	75.0	86.6
SR 4220 (SRX 4801)	98.3	93.0	95.3	95.3	98.3	63.3	78.3	78.3	86.6
BRIGHTSTAR SLT (PST-2A6B)	98.7	91.3	94.7	94.7	97.3	60.0	78.3	78.3	86.2
PICK PR QH-97	98.7	93.3	95.0	95.0	96.3	61.7	75.0	75.0	86.2
ALL STAR2 (CIS-PR-78)	98.0	97.3	97.0	97.0	97.7	60.0	75.0	75.0	86.1
LTP-ME	98.7	93.0	96.3	96.3	96.3	61.7	73.3	73.3	86.1
PST-2SBE	99.0	93.3	95.7	95.7	97.7	58.3	76.7	76.7	86.1
SUMMERSET (MB 413)	98.3	93.0	97.0	97.0	97.3	58.3	75.0	75.0	86.1
ABT-99-4.965	98.3	93.3	94.3	94.3	96.3	65.0	71.7	71.7	85.9
ADMIRE (JR-151)	98.7	91.7	95.7	95.7	98.7	61.7	75.0	75.0	85.9

TABLE 23. (CONT'D)

PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT COLUMBIA (TRAFFIC STUDY), MO 2/
2002 DATA

NAME	TRAFFIC IN SPRING (MAY 28)				TRAFFIC IN FALL (OCTOBER 23)				MEAN (AFTER TRAFFIC)
	BEFORE TRAFFIC	AFTER TRAFFIC (MAY 28)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	BEFORE TRAFFIC	AFTER TRAFFIC (OCT.23)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	
MANHATTAN 4 (PST-2CRL)	98.0	88.3	92.3	92.3	98.7	66.7	78.3	78.3	85.8
MP88	94.3	91.7	94.0	94.0	97.0	61.7	76.7	76.7	85.8
PARAGON	97.3	93.0	95.0	95.0	97.0	61.7	75.0	75.0	85.7
SALINAS (PST-2SLX)	98.7	95.0	95.7	95.7	98.0	56.7	75.0	75.0	85.7
SRX 4120	97.0	91.7	96.0	96.0	97.3	60.0	75.0	75.0	85.7
ABT-99-4.600	98.3	93.3	94.0	94.0	97.7	60.0	75.0	75.0	85.6
PICK PRNGS	98.7	90.0	94.0	94.0	98.0	63.3	75.0	75.0	85.6
PST-2RT	98.3	91.3	94.7	94.7	97.7	61.7	73.3	73.3	85.4
ICON (MB 414)	98.3	86.7	93.0	93.0	96.7	63.3	76.7	76.7	85.3
MEPY	97.3	93.3	93.3	93.3	94.7	58.3	73.3	73.3	85.2
PREMIER II	97.7	93.0	94.7	94.7	97.3	58.3	73.3	73.3	85.2
MANHATTAN 3	98.7	95.0	95.7	95.7	97.3	60.0	73.3	73.3	85.1
RADIANT	97.3	94.7	94.7	94.7	97.0	60.0	71.7	71.7	85.1
ABT-99-4.339	99.0	94.3	95.7	95.7	98.3	56.7	70.0	70.0	84.9
DLF-LDD	98.3	83.3	90.0	90.0	96.7	66.7	80.0	80.0	84.9
MAJESTY	98.7	93.3	95.0	95.0	98.7	60.0	71.7	71.7	84.9
PROWLER (APR 777)	98.3	95.0	97.0	97.0	98.0	56.7	73.3	73.3	84.9
TERRADYNE (A5C)	98.0	93.0	97.3	97.3	96.3	55.0	73.3	73.3	84.9
PROTYME (ABT-99-4.625)	98.3	91.7	96.3	96.3	96.3	56.7	75.0	75.0	84.8
ARRIVAL (CIS-PR-84)	96.0	88.3	90.7	90.7	96.3	66.7	76.7	76.7	84.8
PACESETTER (6011)	97.3	94.7	96.7	96.7	97.7	53.3	76.7	76.7	84.8
EPD	98.3	90.0	93.3	93.3	96.3	58.3	76.7	76.7	84.7
EXTREME (JR-317)	98.3	90.0	94.3	94.3	97.7	60.0	75.0	75.0	84.7
ABT-99-4.815	98.3	96.3	97.0	97.0	98.0	55.0	71.7	71.7	84.6
SUNKISSED (ABT-99-4.834)	96.3	93.3	94.0	94.0	97.7	58.3	71.7	71.7	84.6
EDGE	98.7	93.3	96.7	96.7	96.3	56.7	71.7	71.7	84.6
INSPIRE (R8000)	97.3	94.7	96.3	96.3	97.0	61.7	70.0	70.0	84.4
MP107	97.0	96.3	96.7	96.7	94.7	50.0	71.7	71.7	84.4
ABT-99-4.464	98.3	91.7	95.7	95.7	98.0	53.3	73.3	73.3	84.3
JR-128	97.7	90.0	94.7	94.7	98.3	56.7	75.0	75.0	84.3
PST-2CRR	98.7	91.7	95.7	95.7	94.7	60.0	70.0	70.0	84.2
SECRETARIAT	98.7	88.3	90.0	90.0	98.3	66.7	71.7	71.7	84.2
QUEST II (ABT-99-4.721)	98.3	93.3	94.3	94.3	97.7	58.3	75.0	75.0	84.1
PREMIER	97.3	93.3	95.0	95.0	97.3	55.0	71.7	71.7	84.1
STELLAR (CIS-PR-72)	97.0	90.0	94.3	94.3	96.0	58.3	73.3	73.3	84.0
ASCEND	98.3	89.7	94.7	94.7	94.3	60.0	68.3	68.3	83.9
WVPB-R-82	94.7	91.3	92.7	92.7	95.7	60.0	71.7	71.7	83.9
IQ (CIS-PR-75)	98.0	94.7	97.3	97.3	97.3	53.3	70.0	70.0	83.8
MDP	98.3	91.7	94.7	94.7	95.7	56.7	66.7	66.7	83.7
PENNANT II	97.3	90.0	95.0	95.0	97.7	53.3	73.3	73.3	83.6
APR 776	98.3	96.3	98.3	98.3	97.7	51.7	68.3	68.3	83.4
GALLERY (MB 412)	98.0	84.7	89.7	89.7	97.0	60.0	73.3	73.3	83.4
PIZZAZZ	98.3	91.3	94.3	94.3	95.7	60.0	68.3	68.3	83.4
SKYHAWK	95.3	93.0	94.7	94.7	96.7	50.0	71.7	71.7	83.4
APR 1231	97.0	86.3	92.0	92.0	97.3	60.0	73.3	73.3	83.3
SR 4420 (SRX 4820)	98.3	88.0	93.0	93.0	98.0	60.0	73.3	73.3	83.3
DAZZLE (ABT-99-4.724)	97.7	94.7	95.3	95.3	97.0	51.7	71.7	71.7	83.2
DP LP-1	96.0	95.0	95.7	95.7	96.7	53.3	66.7	66.7	83.2

TABLE 23. (CONT'D)

PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1
AT COLUMBIA (TRAFFIC STUDY), MO 2/
2002 DATA

NAME	TRAFFIC IN SPRING (MAY 28)				TRAFFIC IN FALL (OCTOBER 23)				MEAN (AFTER TRAFFIC)
	BEFORE TRAFFIC	AFTER TRAFFIC (MAY 28)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	BEFORE TRAFFIC	AFTER TRAFFIC (OCT.23)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	
HAWKEYE (SRX 4RHT)	96.3	93.3	95.0	95.0	96.7	50.0	71.7	71.7	83.2
KOOS R-71	95.7	90.0	94.3	94.3	96.3	58.3	70.0	70.0	83.2
PST-2LA	98.3	90.0	93.3	93.3	96.3	55.0	71.7	71.7	83.0
CHARGER II	97.3	91.7	93.3	93.3	96.0	53.3	71.7	71.7	82.9
RACER	97.7	85.0	90.0	90.0	97.0	61.7	73.3	73.3	82.8
RENAISSANCE (APR 1233)	97.0	86.7	91.0	91.0	91.3	56.7	71.7	71.7	82.6
JET	98.3	93.0	92.7	92.7	92.7	55.0	70.0	70.0	82.6
PANTHER	97.0	88.3	91.7	91.7	96.7	56.7	70.0	70.0	82.6
PICK EX2	98.7	86.7	92.0	92.0	98.7	51.7	73.3	73.3	82.3
APR 1234	98.3	93.3	94.0	94.0	98.0	51.7	68.3	68.3	82.2
ELFKIN	98.3	91.7	94.0	94.0	94.3	55.0	68.3	68.3	82.1
HEADSTART	97.7	85.0	90.0	90.0	97.0	61.7	68.3	68.3	82.1
PALMER III	97.3	90.0	91.7	91.7	95.0	50.0	75.0	75.0	82.1
CRUSIER (UT-1000)	98.3	93.0	94.3	94.3	95.7	53.3	65.0	65.0	82.0
LINE DRIVE	98.3	93.3	94.7	94.7	97.0	53.3	65.0	65.0	81.9
PHANTOM	98.7	88.3	94.0	94.0	97.0	56.7	68.3	68.3	81.9
PROSPORT (AG-P981)	98.3	96.3	97.3	97.3	95.0	46.7	70.0	70.0	81.8
MP103	94.7	91.7	93.3	93.3	92.3	50.0	65.0	65.0	81.7
DP 17-9069	97.0	96.3	97.0	97.0	97.0	48.3	63.3	63.3	81.6
LPR 98-144	98.7	73.3	88.3	88.3	95.3	61.7	76.7	76.7	81.6
BRIGHTSTAR II	98.3	91.7	94.7	94.7	97.3	50.0	65.0	65.0	81.4
PASSPORT	97.3	80.0	90.7	90.7	96.3	56.7	71.7	71.7	81.4
YATSUGREEN	98.3	85.0	92.3	92.3	94.3	58.3	70.0	70.0	81.1
ALLSPORT	98.0	90.0	94.0	94.0	95.0	46.7	68.3	68.3	80.8
EP53	94.3	88.3	91.7	91.7	94.7	46.7	70.0	70.0	80.7
WVPB-R-84	97.3	83.3	90.0	90.0	97.7	53.3	71.7	71.7	80.7
BY-100	98.0	89.7	91.3	91.3	96.3	48.3	66.7	66.7	80.6
CATALINA	97.0	93.3	93.3	93.3	96.7	48.3	66.7	66.7	80.6
FIESTA 3	98.7	80.0	89.0	89.0	97.3	56.7	75.0	75.0	80.5
WILMINGTON	98.3	88.3	94.0	94.0	97.3	50.0	68.3	68.3	80.5
CABO (CIS-PR-80)	97.7	81.7	90.7	90.7	95.0	56.7	70.0	70.0	80.4
DP 17-9391	97.3	81.7	89.0	89.0	97.7	53.3	70.0	70.0	80.3
BUCCANEER	97.0	90.0	92.3	92.3	91.0	48.3	65.0	65.0	79.7
DP 17-9496	96.3	88.3	91.7	91.7	94.7	48.3	61.7	61.7	78.9
PROMISE	91.0	73.3	81.7	81.7	96.7	58.3	71.7	71.7	77.7
CAS-LP84	95.7	84.7	87.7	87.7	93.3	48.3	61.7	61.7	76.3
CALYPSO II	96.0	76.7	85.0	85.0	92.0	50.0	63.3	63.3	75.2
LINN	5.0	11.7	8.3	8.3	8.3	6.7	8.3	8.3	9.2
LSD VALUE	2.8	12.5	7.3	7.3	3.9	21.7	17.6	17.6	7.9
C.V. (%)	2.0	8.2	5.2	5.2	2.8	17.3	12.2	12.2	6.1

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS

2002 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	ALL LOCATIONS		SUM OF RANKS 3/	STATISTICS FOR ALL LOCATIONS			MAXIMUM IN TOP 25% 7/
	MEAN 1/	RANK 2/		HIGHEST RANK 4/	LOWEST RANK 5/	RANK 6/	
ABT-99-4.115	6.0	37	1288	39	21	118	37.5
ABT-99-4.339	5.9	53	1544	56	12	115	16.7
ABT-99-4.464	5.9	40	1405	47	2	117	25.0
ABT-99-4.560	6.0	35	1168	30	2	124	37.5
ABT-99-4.600	5.6	106	2071	106	12	127	12.5
PROTYME (ABT-99-4.625)	5.6	101	2064	105	11	132	8.3
QUEST II (ABT-99-4.721)	6.1	22	1014	19	4	125	54.2
DAZZLE (ABT-99-4.724)	6.0	30	1138	24	5	130	37.5
ABT-99-4.815	5.8	77	1796	74	4	118	8.3
SUNKISSED (ABT-99-4.834)	6.1	23	1157	26	6	131	54.2
ABT-99-4.965	5.7	79	1800	75	12	132	16.7
ADMIRE (JR-151)	5.9	58	1608	61	11	126	20.8
AFFINITY	5.6	108	1976	95	3	128	12.5
AFFIRMED	6.0	31	1186	32	2	92	20.8
ALL STAR2 (CIS-PR-78)	6.3	3	711	3	3	85	66.7
ALLSPORT	5.5	116	2375	119	55	130	0.0
AMAZING (B1)	6.1	15	951	16	2	115	54.2
APPLAUD (PENNINGTON-11301)	6.3	1	599	1	5	116	79.2
APR 1231	5.7	93	1919	91	29	126	12.5
APR 1232	5.7	82	1755	71	15	124	25.0
APR 1233	5.7	88	1963	93	18	127	4.2
APR 1234	5.2	131	2691	131	48	132	0.0
APR 1235	5.7	80	1824	79	5	127	4.2
APR 776	5.7	84	1903	89	15	123	12.5
ARRIVAL (CIS-PR-84)	6.1	17	1155	25	2	117	33.3
ASCEND	5.8	66	1717	68	11	125	12.5
BARLENNIUM	5.9	51	1457	50	4	123	29.2
BLAZER IV (PICK MDR)	6.1	14	875	10	1	133	70.8
BRIGHTSTAR II	5.9	52	1403	46	8	121	33.3
BRIGHTSTAR SLT (PST-2A6B)	6.0	32	1164	29	6	117	33.3
BUCCANEER	5.1	132	2764	132	35	132	4.2
BY-100	5.4	121	2269	114	13	129	8.3
CABO (CIS-PR-80)	6.0	28	1216	34	6	109	50.0
CALYPSO II	6.0	38	1209	33	2	109	41.7
CAS-LP84	5.5	111	2256	113	53	131	0.0
CATALINA	5.7	95	1820	77	6	132	8.3
CATALINA II (PST-CATS)	5.8	75	1801	76	19	117	8.3
CATHEDRAL II	5.7	87	1866	84	12	127	12.5
CHARGER II	5.6	100	2055	104	2	128	8.3
CHARISMATIC (LTP 98-501)	6.3	6	789	7	2	116	70.8
CHURCHILL	6.1	26	1161	28	12	114	54.2
CITATION FORE (PST-2BR)	6.1	13	936	14	2	95	54.2
COURAGE (MB 410)	6.0	33	1284	37	14	122	29.2
DIVINE	5.8	73	1651	65	3	117	16.7
DLF-LDD	6.1	21	934	13	3	123	58.3
DP 17-9069	5.2	127	2468	125	24	132	8.3
DP 17-9391	5.2	126	2467	124	33	132	4.2
DP 17-9496	4.5	133	2930	133	13	133	4.2
DP LP-1	5.2	130	2626	129	56	132	0.0

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

2002 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	ALL LOCATIONS		SUM OF RANKS 3/	STATISTICS FOR ALL LOCATIONS			MAXIMUM IN TOP 25% 7/
	MEAN 1/	RANK 2/		HIGHEST RANK 4/	LOWEST RANK 5/	RANK 6/	
EDGE	5.4	124	2282	115	23	132	8.3
ELFKIN	5.9	46	1296	40	1	125	29.2
EP53	5.4	119	2463	123	49	132	0.0
EPD	5.6	107	2088	109	33	130	4.2
EXACTA	6.1	24	1102	21	1	102	37.5
EXTREME (JR-317)	5.7	96	2044	103	31	132	4.2
FIESTA 3	6.0	34	1221	35	11	116	45.8
GALLERY (MB 412)	5.9	50	1634	64	11	117	25.0
GATOR 3 (CIS-PR-85)	6.3	7	799	8	1	103	70.8
GRAND SLAM 2L96 (PST-2L96)	6.3	4	759	5	1	112	66.7
HAWKEYE (SRX 4RHT)	6.1	19	1032	20	3	118	37.5
HEADSTART	5.5	112	2290	116	28	132	8.3
ICON (MB 414)	5.8	72	1836	80	10	126	20.8
INSPIRE (R8000)	6.2	10	750	4	7	85	62.5
IQ (CIS-PR-75)	5.9	59	1510	53	2	132	25.0
JET	6.1	16	957	17	3	112	66.7
JR-128	5.7	98	1966	94	18	130	12.5
KOKOMO (CIS-PR-69)	6.1	20	1118	23	2	131	41.7
KOOS R-71	5.4	123	2498	126	24	130	4.2
LINE DRIVE	5.8	71	1757	72	23	121	16.7
LINN	3.4	134	3111	134	43	134	0.0
LPR 98-143	5.4	120	2442	121	49	132	0.0
LPR 98-144	5.7	78	1889	87	3	129	20.8
LTP-ME	5.7	94	1910	90	23	133	8.3
MACH 1 (ROBERTS-627)	6.3	8	866	9	1	128	62.5
MAJESTY	5.9	56	1499	52	12	129	20.8
MANHATTAN 3	5.7	86	1848	82	6	131	20.8
MANHATTAN 4 (PST-2CRL)	5.9	45	1264	36	7	125	45.8
MDP	5.6	105	2085	108	19	134	8.3
MEPY	5.5	113	2305	117	15	134	4.2
MONTEREY II (JR-187)	5.7	85	1838	81	30	133	4.2
MP103	5.5	115	2214	112	29	132	8.3
MP107	5.7	97	2016	100	14	133	8.3
MP88	5.6	104	1996	96	35	134	4.2
NEXUS	5.9	55	1624	63	6	131	25.0
PACESETTER (6011)	5.9	47	1346	42	4	112	37.5
PALMER III	5.8	62	1580	59	15	118	20.8
PANTHER	5.6	109	2038	102	12	133	8.3
PARADIGM (APR 1236)	5.7	91	2024	101	33	129	4.2
PARAGON	6.0	27	1115	22	9	106	45.8
PASSPORT	5.5	114	2167	111	19	132	12.5
PENNANT II	5.8	76	1780	73	2	132	20.8
PENTIUM (NJ-6401)	6.2	11	882	11	3	116	58.3
PHANTOM	5.6	99	2009	99	1	126	16.7
PICK EX2	5.5	110	2072	107	4	133	16.7
PICK PR 1-94	5.7	83	2008	98	1	133	8.3
PICK PR B-97	5.8	65	1849	83	15	131	20.8
PICK PR QH-97	5.8	63	1519	55	11	130	20.8
PICK PRNGS	5.8	67	1603	60	11	119	20.8

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTI
2002 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	ALL LOCATIONS		SUM OF RANKS 3/	STATISTICS FOR ALL LOCATIONS			MAXIMUM IN TOP 25% 7/
	MEAN 1/	RANK 2/		HIGHEST RANK 4/	LOWEST RANK 5/	HIGHEST RANK 6/	
PINNACLE II (BAR 9 B2)	6.2	9	1003	18	1	105	58.3
PIZZAZZ	6.3	2	767	6	2	120	62.5
PLEASURE XL	5.7	81	1821	78	24	127	8.3
PREMIER	5.3	125	2609	128	50	132	0.0
PREMIER II	5.9	41	1350	44	1	125	25.0
PROMISE	5.9	57	1620	62	8	130	20.8
PROSPORT (AG-P981)	5.4	122	2457	122	18	128	4.2
PROWLER (APR 777)	5.7	90	1889	87	3	129	20.8
PST-2CRR	5.7	92	1898	88	11	126	16.7
PST-2JH	5.8	61	1545	57	8	103	29.2
PST-2LA	5.9	44	1349	43	8	117	29.2
PST-2M4	5.9	54	1381	45	5	109	29.2
PST-2RT	5.9	60	1499	52	15	122	25.0
PST-2SBE	6.0	36	1285	38	3	94	33.3
RACER	5.8	74	1877	85	1	128	25.0
RACER II (PICK RC2)	5.9	49	1428	49	5	117	25.0
RADIANT	5.9	48	1553	58	4	113	25.0
SALINAS (PST-2SLX)	5.9	43	1340	41	17	117	33.3
SECRETARIAT	5.7	89	1962	92	4	127	12.5
SEVILLE II	6.1	18	948	15	10	116	58.3
SKYHAWK	5.5	117	2402	120	55	129	0.0
SPLendid (MB 411)	6.1	25	1185	31	1	116	41.7
SR 4220 (SRX 4801)	6.3	5	608	2	1	75	70.8
SR 4350 (APR 1237)	5.8	69	1668	66	4	118	25.0
SR 4420 (SRX 4820)	6.2	12	918	12	3	108	54.2
SR 4500	6.0	29	1159	27	3	129	41.7
SRX 4120	5.6	102	2003	97	17	127	16.7
STELLAR (CIS-PR-72)	5.9	39	1424	48	2	126	29.2
SUMMERSET (MB 413)	5.8	64	1705	67	5	129	12.5
SUPERSTAR (EP57)	5.6	103	2135	110	41	129	0.0
TERRADYNE (A5C)	5.9	42	1513	54	7	117	20.8
UT-1000 (ABT-99-4.709)	5.8	70	1740	70	7	130	8.3
WILMINGTON	5.8	68	1727	69	10	128	16.7
WVPB-R-82	5.2	128	2579	127	31	132	4.2
WVPB-R-84	5.5	118	2350	118	2	131	12.5
YATSUGREEN	5.2	129	2641	130	10	132	8.3
LSD VALUE	0.2						
C.V. (%)	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).

** / 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/ RANK - RANKING OF THE MEAN OF ALL QUALITY RATINGS.

3/ SUM OF RANKS - A SUM OF ALL THE RANKINGS FROM THE VARIOUS LOCATIONS.

4/ RANK - THE RANKING OF THE SUM OF RANKS.

5/ HIGHEST RANK - THE HIGHEST RANKING ACHIEVED BY THAT ENTRY AT ANY ONE LOCATION.

6/ LOWEST RANK - THE LOWEST RANKING ACHIEVED BY THAT ENTRY AT ANY ONE LOCATION.

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