

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

Executive Director - Kevin N. Morris, National Turfgrass Federation, Inc.

CURRENT POLICY COMMITTEE MEMBERS:

Dr. Leah Brilman, Seed Research of Oregon
Mr. Craig Edminster, Cebeco International Seeds, Inc.
Dr. Michael Kenna, USGA Green Section
Dr. Peter Landschoot, Penn State University
Dr. Dennis Martin, Oklahoma State University
Dr. Gwen Stahnke, Washington State University
Mr. Ike Thomas, Turfgrass America, Inc.
Dr. Clark Throssell, Golf Course Superintendents Assoc. of America
Dr. Thomas Voigt, University of Illinois

FOR ADDITIONAL REPORTS OR INFORMATION CONTACT:

Kevin Morris, Executive Director
National Turfgrass Evaluation Program
Beltsville Agricultural Research Center-West
Building 003, Room 218
Beltsville, Maryland 20705
kmorris@ntep.org
www.ntep.org

CONTENTS

1999 National Perennial Ryegrass Test - 2001 data

LOCATIONS SUBMITTING DATA FOR 2001.....1

NATIONAL PERENNIAL RYEGRASS TEST, 1999 - Entries and Sponsors.....2

Table A - 2001 Locations, Site Descriptions and Management Practices
in the 1999 National Perennial Ryegrass Test.....3

Table B - Locations and Data Collected in 2001.....4

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

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

Table 3 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars
Grown at Seven Locations Using "Schedule C (Home Lawn)"
in the U.S and Canada.....12

Table 4 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars
Grown Under Traffic Stress at Three Locations.....15

Table 5 - Genetic Color Ratings of Perennial Ryegrass Cultivars.....17

Table 6 - Spring Greenup Ratings of Perennial Ryegrass Cultivars.....20

Table 7 - Leaf Texture Ratings of Perennial Ryegrass Cultivars.....23

Table 8 - Spring Density Ratings of Perennial Ryegrass Cultivars.....26

Table 9 - Summer Density Ratings of Perennial Ryegrass Cultivars.....29

Table 10- Fall Density Ratings of Perennial Ryegrass Cultivars.....32

Table 11- Percent Living Ground Cover (Spring) Ratings of Perennial
Ryegrass Cultivars.....35

Table 12- Percent Living Ground Cover (Summer) Ratings of Perennial
Ryegrass Cultivars.....38

Table 13- Percent Living Ground Cover (Fall) Ratings of Perennial
Ryegrass Cultivars.....40

Table 14- Winter Color Ratings of Perennial Ryegrass Cultivars.....42

Table 15- Typhula Blight Ratings of Perennial Ryegrass Cultivars.....44

CONTENTS (continued)

Table 16- Stem Rust Ratings of Perennial Ryegrass Cultivars.....46

Table 17- Dollar Spot Ratings of Perennial Ryegrass Cultivars.....48

Table 18- Brown Patch (Warm Temperature) Ratings of Perennial Ryegrass Cultivars...50

Table 19- Pink Patch Ratings of Perennial Ryegrass Cultivars.....52

Table 20- Snow Mold Ratings of Perennial Ryegrass Cultivars.....54

Table 21- Red Thread Ratings of Perennial Ryegrass Cultivars at Blacksburg, VA.....56

Table 22- Percent Living Ground Cover Ratings of Perennial Ryegrass Cultivars
at Columbia (Traffic Study), MO (MO3).....58

Table 23- Red Thread Ratings of Perennial Ryegrass Cultivars
at Puyallup (Traffic Study), WA.....61

Table 24- Mean Turfgrass Quality and Other Ratings of Perennial Ryegrass
Cultivars at Puyallup (Traffic Study), WA.....63

Appendix Table - Summary of Turfgrass Quality Ratings of Perennial Ryegrass
Cultivars in the 1999 National Perennial Ryegrass Test.....66

A Guide to NTEP Turfgrass Ratings

Introduction

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

General Considerations

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

Turfgrass Quality

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

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

Other Ratings

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

1999 NATIONAL PERENNIAL RYEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2001

<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
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
Missouri	St. Louis (Traffic Study)	MO3
Montana	Bozeman	MT1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
New York	Ithaca	NY1
New York	Ithaca (Traffic Study)	NY2
Pennsylvania	University Park	PA1
Quebec	Quebec	QE1
South Dakota	Brookings	SD1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Washington	Puyallup (Fairway)	WA3
Washington	Puyallup (Traffic Study)	WA4
Wisconsin	Madison	WI1

1999 NATIONAL PERENNIAL RYEGRASS TEST

Entries and Sponsors

Entry	Name	Sponsor	Entry	Name	Sponsor
1	Calypso II	Roberts Seed Company	68	Citation Fore (PST-2BR)	Pure-Seed Testing, Inc.
2	Racer	Roberts Seed Company	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	Roberts Seed Company	74	Manhattan 3	Turf-Seed, Inc./Turf Merchants
8	Headstart	Roberts Seed Company	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	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)	Roberts Seed Co.	83	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	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)	Roberts Seed Company	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	CIS-PR-75	Cebeco International Seeds	99	APR 1231	Advanta Seeds Pacific, Inc.
33	All Star (CIS-PR-78)	Cebeco 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	CIS-PR-84	Cebeco International Seeds	102	SR 4500	Seed Research of Oregon
36	Gator 3 (CIS-PR-85)	Cebeco 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	Elfin	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	APR 1237	Advanta Seeds Pacific, Inc.	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	ABT-99-4.625	ProSeeds Marketing, Inc.
52	Premier	Standard Entry	119	UT-1000 (ABT-99-4.709)	Ultra-Turf
53	Monterey II (JR-187)	Simplot Turf and Horticulture	120	ABT-99-4.724	ProSeeds Marketing, Inc.
54	JR-128	Simplot Turf and Horticulture	121	Terradyne (A5C)	Blue Moon Farms
55	Extreme (JR-317)	Simplot Turf and Horticulture	122	ABT-99-4.965	ProSeeds Marketing, Inc.
56	Admire (JR-151)	Simplot Turf and Horticulture	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 (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 (ABT-99-4.903)	The Scotts Company
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.

2001 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	-	-	-	-	-	-	-	-
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	0-150	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
ME1	-	-	-	-	-	-	-	-
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MO1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	2.1-2.5	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
MT1	SILT LOAM AND SILT	7.1-7.5	61-150	501+	0.0-1.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
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	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.6-7.0	271-450	501+	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	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	-	-	-	-	-	-	-	-
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 AND CLAY	7.6-8.5	0-60	151-240	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
VA1	SILT LOAM AND SILT	6.6-7.0	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
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
WA4	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	0.0-1.0	FULL SUN	2.1-2.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2001

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	X	X	X		X
IA1					X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X	X	
IL2				X	X	X	X	X	X	X	X		X	X	X
IN1				X	X	X	X	X	X	X	X		X	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
ME1					X	X	X	X	X	X			X		
MI1					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					
MT1					X	X	X	X	X				X		X
NE1				X	X	X	X	X	X	X			X	X	
NJ1					X	X	X	X	X	X	X		X	X	X
NJ2				X	X	X	X	X	X	X	X		X		X
NY1				X	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		
QE1					X	X	X	X	X	X			X	X	X
SD1				X	X	X	X	X		X			X	X	
UT1				X	X	X	X	X	X	X			X		
VA1			X	X	X	X	X	X	X	X	X		X	X	
WA1				X	X	X	X	X	X	X			X		
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X		
WA4	X	X	X	X	X	X	X	X	X	X	X	X	X		
WI1					X	X	X	X	X	X	X		X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2001

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	TYPHULA BLIGHT	STEM RUST	DOLLAR SPOT	BROWN PATCH WARM TEMP.	PINK PATCH	SNOW MOLD	RED THREAD APRIL	RED THREAD MAY	RED THREAD JUNE	RED THREAD JULY
CA6			X														
IA1																	
IL1																	
IL2											X						
IN1																	
KS1																	
KY1				X	X	X											
MD1																	
ME1																	
MI1	X	X	X	X	X	X											
MO1																	
* MO3																	
MT1	X	X															
NE1	X	X	X														
NJ1		X								X							
NJ2			X							X							
NY1		X										X					
NY2				X	X	X			X								
PA1		X															
QE1	X	X	X	X													
SD1	X	X		X		X		X									
UT1																	
VA1							X									X	X
WA1																	
WA3																	
* WA4		X	X											X	X		
WI1	X		X										X				

* MORE TRAFFIC STUDY DATA FOR MO3 (TABLE 22) AND WA4 (TABLE 24).

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT TEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	KY1	MD1	MT1	NE1	NY1	SD1	UT1	VA1	WA3	MEAN
GRAND SLAM (PST-2L96)	6.5	7.7	6.5	5.9	6.6	6.0	4.3	5.3	5.9	5.8	6.0
* MACH 1 (ROBERTS-627)	5.0	7.5	7.1	5.9	6.9	6.1	4.3	6.1	5.0	6.1	6.0
* PIZZAZZ	6.0	7.7	6.4	6.0	7.0	5.9	4.2	4.9	5.8	5.9	6.0
AMAZING (B1)	6.0	7.3	6.1	6.6	6.5	6.0	4.6	5.8	5.4	5.2	6.0
* INSPIRE (R8000)	5.8	7.0	6.4	6.0	6.6	6.0	4.7	5.4	5.4	6.1	5.9
* SR 4420 (SRX 4820)	6.3	7.6	5.6	5.4	6.9	6.1	4.6	5.5	5.8	5.3	5.9
* CHURCHILL	6.4	7.2	6.0	5.9	6.4	6.1	4.6	5.1	6.1	5.2	5.9
* STELLAR (CIS-PR-72)	6.1	7.8	5.0	6.3	6.1	6.1	4.8	5.5	6.0	5.0	5.9
* CITATION FORE (PST-2BR)	5.3	8.1	6.1	5.2	5.9	6.6	4.4	5.4	5.9	6.0	5.9
* APPLAUD (PENNINGTON-11301)	6.0	7.2	6.1	5.5	6.1	6.3	5.5	5.0	5.4	5.4	5.9
* PENTIUM (NJ-6401)	5.7	6.7	5.9	6.1	6.3	6.0	4.6	5.7	5.9	5.7	5.8
* GATOR 3 (CIS-PR-85)	5.8	7.3	6.5	6.2	6.5	5.9	4.1	5.5	4.7	6.0	5.8
ABT-99-4.721	6.5	7.0	6.3	5.6	6.0	6.1	4.1	5.9	5.3	5.5	5.8
* SR 4220 (SRX 4801)	5.9	7.3	5.6	5.7	6.3	6.3	4.2	5.8	5.7	5.4	5.8
UT-1000 (ABT-99-4.709)	5.9	7.4	5.9	6.0	6.7	6.1	3.3	5.8	5.7	5.3	5.8
BLAZER IV (PICK MDR)	5.4	7.3	5.8	5.7	6.7	6.4	4.4	5.5	5.4	5.5	5.8
* HAWKEYE (SRX 4RHT)	6.2	7.3	5.5	5.7	6.8	6.1	4.8	5.1	5.3	5.4	5.8
* KOKOMO (CIS-PR-69)	5.4	7.0	5.5	5.5	6.6	6.4	4.4	6.2	5.9	5.1	5.8
* ELFKIN	5.5	7.0	5.9	5.8	5.9	6.0	5.2	5.5	6.0	5.3	5.8
* SALINAS (PST-2SLX)	6.2	6.7	6.1	6.1	6.1	5.9	4.2	6.0	5.0	5.7	5.8
* EXACTA	4.9	7.3	6.2	6.0	6.1	6.3	4.6	5.4	5.8	5.3	5.8
* CABO (CIS-PR-80)	5.9	7.1	6.2	6.3	6.5	6.1	3.6	5.4	4.8	5.9	5.8
* MAJESTY	5.7	7.1	6.0	6.6	6.3	5.7	4.2	5.9	5.2	5.1	5.8
* BRIGHTSTAR SLT (PST-2A6B)	5.3	7.8	6.1	5.9	6.7	6.0	4.2	5.1	5.5	5.1	5.8
* MANHATTAN 4 (PST-2CRL)	5.1	8.1	5.7	5.7	6.2	6.3	4.3	5.2	5.4	5.6	5.8
* CHARISMATIC (LTP 98-501)	6.2	6.8	6.2	5.3	6.6	6.2	4.5	4.9	5.4	5.5	5.8
* GALLERY (MB 412)	6.0	7.5	6.7	5.6	6.8	6.1	3.8	5.2	4.5	5.3	5.8
* DIVINE	5.1	6.9	5.9	6.7	6.3	5.8	4.0	5.9	5.7	5.1	5.8
CIS-PR-84	5.5	7.0	5.9	6.2	6.5	6.0	4.2	5.6	4.8	5.8	5.8
* ASCEND	5.4	7.6	6.1	6.5	6.0	6.0	3.9	4.9	5.4	5.4	5.8
* ALL STAR2 (CIS-PR-78)	6.1	7.1	5.3	5.9	6.6	5.9	4.2	5.6	5.6	5.0	5.7
PICK PRNGS	5.8	6.7	5.8	6.0	6.3	6.1	4.4	5.1	5.6	5.5	5.7
CIS-PR-75	6.0	6.9	5.9	5.7	6.1	6.2	3.9	5.7	5.5	5.5	5.7
* PENNANT II	6.5	6.8	6.1	5.7	6.4	6.1	3.9	5.4	4.7	5.7	5.7
* FIESTA 3	5.7	6.5	5.9	6.5	6.2	5.9	4.1	5.1	6.1	5.2	5.7
* COURAGE (MB 410)	6.0	7.0	5.8	5.5	6.6	6.0	4.1	5.3	5.5	5.6	5.7
* PARAGON	5.4	6.8	5.6	6.3	6.2	6.2	4.8	5.3	4.9	5.6	5.7
ABT-99-4.339	6.1	6.7	5.8	6.1	6.4	5.9	4.4	5.2	5.3	5.0	5.7
ABT-99-4.115	5.9	6.8	5.5	5.7	6.1	6.0	4.7	5.6	5.5	5.3	5.7
* PLEASURE XL	5.1	7.2	6.0	6.3	6.0	5.8	4.1	5.5	5.8	5.3	5.7
ABT-99-4.724	5.1	6.9	5.1	5.7	7.0	6.3	4.6	5.1	5.4	5.6	5.7
* SPLENDID (MB 411)	5.0	7.4	6.0	5.9	6.3	5.9	3.9	5.6	4.8	5.9	5.7
* SUMMERSET (MB 413)	6.1	7.3	5.7	5.3	6.3	6.2	3.6	5.6	5.4	5.3	5.7
ABT-99-4.464	5.4	6.5	5.1	5.8	6.2	6.0	5.2	5.6	5.6	5.3	5.7
* RACER II (PICK RC2)	5.3	7.0	6.0	6.5	5.6	6.0	4.6	5.3	5.4	5.0	5.7
* SR 4500	4.9	6.9	5.9	5.9	6.7	5.8	3.8	5.4	5.6	5.9	5.7
PST-2SBE	5.7	7.5	6.1	5.7	6.3	6.0	3.4	5.8	4.7	5.6	5.7
* ADMIRE (JR-151)	6.0	6.8	5.2	5.8	6.2	6.1	4.4	5.1	5.8	5.3	5.7
MB 414	5.5	7.2	6.0	6.1	6.1	6.2	3.6	5.7	5.0	5.3	5.7

TABLE 1. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT TEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	KY1	MD1	MT1	NE1	NY1	SD1	UT1	VA1	WA3	MEAN
* TERRADYNE (A5C)	6.2	7.4	6.1	5.5	6.3	5.7	3.8	5.3	4.8	5.4	5.7
DLF-LDD	5.7	7.0	5.8	5.6	5.5	5.7	4.0	5.8	6.1	5.5	5.7
ABT-99-4.965	5.8	6.8	5.7	6.3	6.2	5.6	4.3	5.7	5.1	5.0	5.7
* CALYPSO II	5.6	6.8	5.8	5.9	6.3	5.8	4.1	5.2	6.2	4.9	5.7
* SEVILLE II	5.7	6.8	6.0	5.5	6.3	6.0	4.3	5.3	4.9	5.5	5.6
* CATALINA II (PST-CATS)	6.0	6.6	5.9	5.7	5.8	6.4	3.6	5.6	5.5	5.4	5.6
APR 1237	5.0	7.0	5.5	6.1	6.1	6.0	4.8	5.2	5.4	5.1	5.6
APR 1233	6.0	6.4	5.6	6.2	5.9	5.8	4.1	5.4	5.4	5.4	5.6
LPR 98-144	6.0	6.0	5.5	5.9	7.2	5.6	4.6	5.1	5.4	5.0	5.6
PICK PR B-97	6.3	7.0	5.8	5.6	6.0	6.0	4.8	5.0	4.7	5.2	5.6
APR 776	6.0	6.2	5.5	6.1	6.7	6.0	4.2	5.3	5.6	4.7	5.6
* WILMINGTON	5.9	7.2	6.0	5.9	6.0	6.1	3.8	5.2	4.6	5.3	5.6
* BARLENNIUM	4.7	6.5	6.4	5.8	6.4	6.0	3.8	5.3	5.5	5.8	5.6
* EXTREME (JR-317)	5.5	6.2	5.7	5.7	6.3	5.8	4.6	5.4	5.8	5.0	5.6
* JET	5.6	7.2	5.7	5.3	6.3	5.9	4.6	5.5	5.1	4.9	5.6
ABT-99-4.834	5.0	7.2	5.1	5.2	6.7	6.4	4.2	5.2	5.5	5.4	5.6
* BRIGHTSTAR II	5.5	7.1	5.8	5.3	5.9	5.9	4.3	5.5	5.1	5.4	5.6
* JR-128	5.7	6.6	6.0	5.5	6.4	6.0	4.0	5.1	5.4	5.1	5.6
ABT-99-4.815	5.3	6.8	5.0	5.6	6.5	5.9	4.3	5.9	5.5	5.1	5.6
PICK PR QH-97	5.3	7.1	5.8	5.7	5.9	6.0	4.0	4.9	5.8	5.2	5.6
MP107	6.1	6.5	5.5	5.9	6.2	6.2	4.1	5.9	4.4	4.9	5.6
* PREMIER II	4.7	6.5	5.7	5.5	6.5	5.7	4.5	5.3	5.8	5.4	5.6
* PROWLER (APR 777)	5.0	6.6	6.1	6.0	6.1	6.0	3.7	5.2	5.3	5.4	5.6
* SECRETARIAT	5.1	6.2	5.4	6.2	6.2	5.8	4.5	5.5	5.8	4.9	5.6
* PHANTOM	5.4	6.5	5.5	6.1	6.0	6.0	4.1	5.8	5.1	5.2	5.6
* AFFIRMED	5.5	6.7	5.9	5.9	6.0	5.9	4.3	5.0	5.1	5.3	5.6
* MDP	5.3	6.6	5.5	5.9	6.0	6.3	4.3	5.7	5.0	4.9	5.6
* CATALINA	5.6	6.0	5.9	5.5	5.9	5.9	4.4	5.8	5.2	5.3	5.5
* CATHEDRAL II	5.6	6.5	5.2	5.8	6.4	6.0	4.7	4.8	5.8	4.7	5.5
* PINNACLE II (BAR 9 B2)	5.2	6.5	5.9	5.9	5.7	6.3	4.5	5.0	4.9	5.5	5.5
* NEXUS	6.1	7.0	5.8	6.1	5.3	5.6	3.9	5.4	4.8	5.4	5.5
PST-2JH	5.1	6.6	5.4	5.6	6.0	6.1	4.4	5.7	5.5	5.0	5.5
* PACESETTER (6011)	4.9	6.8	6.0	5.8	5.7	5.9	4.1	5.6	5.5	5.1	5.5
* PALMER III	6.1	6.3	5.6	5.2	6.0	5.8	4.4	5.6	5.1	5.2	5.5
* PICK PR 1-94	5.6	6.8	5.3	6.2	6.0	5.6	4.3	5.2	5.3	4.9	5.5
* MP88	5.0	7.0	5.7	5.9	6.3	6.1	4.0	5.8	4.6	4.8	5.5
KOOS R-71	5.4	6.0	5.5	6.2	5.8	6.2	3.9	5.7	5.6	5.0	5.5
LPR 98-143	5.6	6.9	5.7	5.9	6.3	5.7	4.4	5.0	4.8	4.9	5.5
* HEADSTART	5.3	5.6	6.3	5.8	6.2	5.6	4.5	5.1	5.0	5.7	5.5
SRX 4120	5.9	6.5	5.4	5.7	5.3	6.1	4.2	5.3	5.5	5.2	5.5
PARADIGM (APR 1236)	5.2	7.5	5.3	6.0	6.0	6.0	4.4	5.0	5.0	4.7	5.5
PST-2M4	5.4	6.8	5.6	5.5	6.3	6.2	4.0	5.5	4.8	5.0	5.5
PST-2CRR	5.8	6.2	5.6	5.5	6.5	6.1	3.9	5.3	4.9	5.2	5.5
* PASSPORT	5.0	5.6	5.9	5.9	6.0	6.0	4.5	5.3	5.4	5.3	5.5
* LINE DRIVE	5.4	6.6	5.4	6.1	5.8	5.8	3.9	5.1	5.4	5.4	5.5
PICK EX2	4.7	6.2	5.2	6.2	5.9	6.2	3.8	5.6	5.9	5.1	5.5
* RADIANT	4.9	7.4	5.9	5.5	6.3	5.9	4.1	4.8	4.6	5.4	5.5
* PST-2LA	5.1	6.5	5.7	6.0	5.6	6.1	4.3	5.4	4.7	5.3	5.5
WVPB-R-84	5.3	5.7	5.9	5.8	5.9	6.0	4.2	5.2	5.6	5.1	5.5

TABLE 1. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT TEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	KY1	MD1	MT1	NE1	NY1	SD1	UT1	VA1	WA3	MEAN
* AFFINITY	5.1	6.0	5.2	6.7	5.4	5.9	4.3	5.5	5.7	4.9	5.5
* PROMISE	5.8	6.7	6.0	5.7	6.2	5.5	3.7	5.0	4.8	5.1	5.5
ABT-99-4.560	4.3	6.5	6.1	5.7	5.8	6.4	4.0	5.2	5.2	5.3	5.5
ABT-99-4.600	5.3	6.7	5.5	5.7	5.9	6.0	3.9	5.3	5.3	4.8	5.4
APR 1235	4.7	6.3	5.8	6.1	5.9	6.1	4.2	5.4	4.9	5.1	5.4
* MANHATTAN 3	6.0	6.4	5.8	5.6	5.8	6.0	4.5	4.9	4.4	4.8	5.4
* SKYHAWK	4.9	6.5	5.5	5.9	6.0	5.7	4.6	5.3	5.2	4.6	5.4
* MONTEREY II (JR-187)	4.8	5.8	5.4	5.1	6.1	6.2	4.4	5.4	5.7	5.1	5.4
PST-2RT	4.6	6.6	5.4	5.9	5.6	6.0	3.9	5.5	5.4	4.9	5.4
MEPY	5.5	6.5	5.1	5.4	6.0	6.0	4.1	5.3	5.3	4.6	5.4
BY-100	5.2	6.1	5.1	6.1	5.7	6.1	3.8	5.6	5.5	4.5	5.4
* RACER	5.9	6.8	5.9	5.6	5.3	5.6	3.4	5.3	5.0	4.9	5.4
* ALLSPORT	5.3	6.3	5.4	6.1	6.1	6.0	3.2	5.0	5.3	5.0	5.4
* SUPERSTAR (EP57)	5.8	6.8	5.2	5.4	5.9	5.9	3.6	4.9	4.9	5.1	5.3
DP 17-9391	5.5	5.5	5.7	5.8	5.3	6.0	4.3	5.5	4.9	4.8	5.3
* PANTHER	5.3	5.4	5.2	5.5	6.4	6.0	4.1	5.3	5.1	5.0	5.3
EPD	5.0	6.6	6.2	5.5	5.3	6.0	4.0	5.0	4.6	5.1	5.3
ABT-99-4.625	5.2	6.8	4.9	5.8	6.2	6.3	4.1	4.9	4.7	4.7	5.3
LTP-ME	5.9	6.0	4.4	5.8	5.1	6.2	5.7	4.5	4.8	4.9	5.3
APR 1232	5.9	5.9	4.9	5.7	5.6	5.8	4.2	5.1	5.2	4.9	5.3
* CHARGER II	6.0	6.7	5.2	5.3	6.3	5.7	3.4	5.2	4.3	4.8	5.3
MP103	5.1	6.4	5.0	5.7	6.0	5.8	4.2	5.2	4.8	4.7	5.3
APR 1231	5.5	5.9	5.7	5.6	5.7	5.9	3.4	4.9	4.8	5.3	5.3
CAS-LP84	5.3	6.0	5.7	5.3	5.9	5.8	3.9	5.4	4.9	4.8	5.3
* EDGE	5.5	5.2	5.1	6.2	5.2	5.9	4.7	4.8	5.3	4.7	5.3
* BUCCANEER	5.0	5.1	5.2	6.1	5.4	5.8	4.4	5.2	5.1	4.5	5.2
WVPB-R-82	5.7	5.0	5.0	6.1	5.4	5.7	3.7	5.4	5.2	4.8	5.2
YATSUGREEN	5.1	5.1	5.0	6.1	5.9	6.0	4.3	4.6	4.9	4.5	5.2
* PREMIER	5.1	5.7	4.7	5.6	5.4	5.7	4.2	5.3	5.0	4.6	5.1
* PROSPORT (AG-P981)	5.4	6.0	5.3	5.5	5.8	5.8	3.2	4.8	4.7	4.6	5.1
EP53	4.7	6.0	4.9	5.5	5.8	5.8	3.4	5.0	5.1	4.8	5.1
DP 17-9069	5.2	5.3	4.7	.	5.5	5.8	4.1	5.3	4.7	4.8	5.0
DP LP-1	4.9	5.3	3.9	6.0	5.3	6.1	4.3	5.0	4.4	4.5	5.0
APR 1234	4.8	6.0	4.7	6.1	4.8	5.8	2.9	5.0	4.7	4.3	4.9
DP 17-9496	4.8	4.8	3.6	5.3	4.0	5.6	3.6	4.5	4.4	3.7	4.4
* LINN	3.8	2.4	3.1	5.3	2.6	5.5	2.9	3.0	3.5	3.3	3.5
LSD VALUE	1.4	0.7	0.8	0.9	0.9	0.5	0.9	0.8	1.2	0.4	0.3
C.V. (%)	16.2	6.3	8.7	9.8	8.7	4.9	12.9	9.2	13.9	5.3	9.9

* COMMERCIALY AVAILABLE IN THE USA IN 2002.

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

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

* SCHEDULE A - 1/2-3/4 INCH MOWING HEIGHT
 1/2-3/4 lb. N/1000 FT²/PER GROWING MONTH
 IRRIGATION TO PREVENT VISUAL DROUGHT STRESS
 NO FUNGICIDE USE UNLESS SEVERE STAND LOSS IS POSSIBLE
 WEED AND INSECT CONTROL TO PREVENT STAND LOSS

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA6	IL1	ME1	MI1	NJ1	NJ2	PA1	MEAN
APPLAUD (PENNINGTON-11301)	7.3	6.8	7.9	7.6	6.8	6.3	7.6	7.2
MACH 1 (ROBERTS-627)	7.1	6.5	8.3	7.0	6.3	6.7	7.9	7.1
PIZZAZZ	6.8	6.2	7.8	7.0	7.0	5.9	7.6	6.9
JET	7.6	6.1	8.3	6.8	6.0	5.4	7.7	6.9
BLAZER IV (PICK MDR)	6.9	6.2	8.2	7.2	6.7	5.3	7.3	6.8
SR 4220 (SRX 4801)	6.5	6.2	8.4	7.1	6.0	5.2	8.1	6.8
ABT-99-4.834	6.8	6.0	8.3	7.0	6.6	5.3	7.6	6.8
CHARISMATIC (LTP 98-501)	6.8	6.1	8.2	7.0	5.8	5.7	7.9	6.8
DLF-LDD	6.5	5.8	7.9	7.3	6.0	6.0	7.7	6.8
GATOR 3 (CIS-PR-85)	7.0	6.0	8.0	7.0	6.5	5.4	7.4	6.7
PENTIUM (NJ-6401)	6.6	6.3	7.8	6.9	6.2	6.0	7.3	6.7
KOKOMO (CIS-PR-69)	6.6	6.5	8.1	6.7	5.8	5.5	7.9	6.7
PINNACLE II (BAR 9 B2)	7.2	6.1	7.8	6.9	6.0	5.5	7.6	6.7
CIS-PR-84	6.7	6.2	8.0	6.4	6.5	5.5	7.8	6.7
CITATION FORE (PST-2BR)	6.5	6.4	8.0	6.9	5.9	6.0	7.3	6.7
ABT-99-4.721	6.6	5.7	8.1	7.0	6.1	5.4	8.1	6.7
ABT-99-4.560	6.6	6.0	7.9	7.2	5.5	5.5	8.1	6.7
ALL STAR2 (CIS-PR-78)	6.9	6.0	7.9	6.3	6.0	5.9	7.7	6.7
SR 4420 (SRX 4820)	6.7	6.1	8.1	6.7	6.1	5.3	7.5	6.6
SEVILLE II	6.7	6.0	8.1	6.7	5.9	5.4	7.7	6.6
ABT-99-4.115	6.6	5.6	8.2	6.9	5.7	5.3	7.9	6.6
AMAZING (B1)	6.9	6.1	7.5	6.8	5.9	6.0	6.9	6.6
MANHATTAN 4 (PST-2CRL)	6.8	5.5	8.1	7.3	5.7	4.9	7.8	6.6
SR 4500	7.2	6.0	8.0	6.7	5.3	5.0	7.6	6.5
PARAGON	6.5	6.0	8.1	7.3	5.4	4.9	7.5	6.5
HAWKEYE (SRX 4RHT)	6.6	5.9	8.0	6.6	5.9	4.9	7.9	6.5
GRAND SLAM (PST-2L96)	6.7	6.1	7.6	6.4	6.3	5.2	7.3	6.5
PST-2LA	6.8	5.9	7.9	7.2	5.4	4.9	7.3	6.5
INSPIRE (R8000)	6.5	5.4	8.1	6.9	5.5	5.5	7.5	6.5
EXACTA	6.3	6.4	7.8	7.0	5.5	4.9	7.5	6.5
ABT-99-4.724	7.0	5.5	7.8	6.7	5.2	5.2	7.6	6.4
SALINAS (PST-2SLX)	7.0	5.6	7.9	7.3	5.6	4.4	7.2	6.4
PROMISE	7.3	5.4	7.9	6.6	5.7	4.5	7.5	6.4
ABT-99-4.464	6.6	5.7	8.0	6.3	5.1	5.2	8.0	6.4
PST-2JH	6.4	6.0	7.7	7.2	5.1	4.9	7.4	6.4
BRIGHTSTAR SLT (PST-2A6B)	6.5	5.4	8.1	7.1	5.6	4.7	7.3	6.4
PREMIER II	6.3	6.0	7.9	6.9	5.1	4.7	7.5	6.4
MONTEREY II (JR-187)	6.6	5.9	7.6	7.1	4.9	4.8	7.5	6.3
BARLENNIUM	6.6	6.0	7.9	7.0	5.0	4.5	7.3	6.3
STELLAR (CIS-PR-72)	6.4	5.7	7.8	7.0	5.1	4.8	7.5	6.3
PST-2SEE	6.3	5.5	7.8	6.6	6.2	4.3	7.6	6.3
CALYPSO II	7.3	5.8	7.8	7.0	4.6	4.6	7.1	6.3
PICK PRNGS	7.0	5.9	7.8	7.0	5.0	4.6	6.9	6.3
PST-2M4	6.6	5.7	7.3	7.0	5.6	5.0	7.1	6.3
SPLENDID (MB 411)	6.6	5.3	8.5	6.9	4.6	4.5	7.8	6.3
RACER II (PICK RC2)	6.5	6.3	7.7	6.8	4.8	5.2	6.8	6.3
AFFIRMED	6.6	6.1	7.7	6.9	4.6	4.9	7.3	6.3
GALLERY (MB 412)	6.4	5.9	7.4	6.7	5.7	4.8	7.2	6.3
BRIGHTSTAR II	6.9	5.5	7.7	6.9	5.3	4.8	6.9	6.3

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA6	IL1	ME1	MI1	NJ1	NJ2	PA1	MEAN
PACESETTER (6011)	6.3	5.3	7.7	7.0	5.5	5.0	7.2	6.3
NEXUS	6.0	5.3	8.2	6.8	6.0	4.6	7.1	6.3
CATALINA II (PST-CATS)	6.8	5.3	8.0	7.0	4.9	4.8	7.2	6.3
ELFKIN	6.6	5.6	7.9	6.6	5.5	4.4	7.3	6.3
MAJESTY	6.7	5.2	7.8	6.6	5.1	4.6	7.7	6.3
FIESTA 3	6.4	5.6	7.6	6.9	5.2	5.1	6.9	6.3
CABO (CIS-PR-80)	6.7	5.6	7.8	7.4	4.8	4.3	7.3	6.3
SUMMERSET (MB 413)	6.3	5.7	8.1	6.5	5.5	4.3	7.5	6.2
COURAGE (MB 410)	6.4	6.1	7.7	6.5	5.1	4.4	7.3	6.2
TERRADYNE (A5C)	6.6	5.4	7.6	6.4	5.0	4.6	7.7	6.2
PENNANT II	6.7	5.2	7.4	6.8	5.2	4.3	7.7	6.2
CHURCHILL	6.2	5.8	7.8	6.7	5.0	4.7	7.2	6.2
MP88	6.6	5.1	7.8	7.0	5.0	4.3	7.4	6.2
PST-2RT	6.3	5.4	7.6	6.6	5.4	4.7	7.3	6.2
ABT-99-4.339	6.6	5.6	7.5	6.9	4.3	4.9	7.3	6.2
APR 776	6.8	6.1	7.3	6.8	4.3	3.9	7.9	6.1
ADMIRE (JR-151)	6.3	5.6	7.7	7.0	4.4	4.7	7.3	6.1
PICK PR QH-97	6.3	5.3	7.8	6.5	5.3	4.5	7.3	6.1
PALMER III	6.2	5.9	8.1	6.4	4.9	4.5	7.0	6.1
PST-2CCR	6.5	5.0	7.9	7.0	4.8	4.4	7.1	6.1
MANHATTAN 3	6.5	5.9	7.4	6.9	4.7	4.1	7.4	6.1
PLEASURE XL	6.5	5.6	7.3	6.9	5.0	4.1	7.4	6.1
ABT-99-4.815	6.3	5.3	8.2	7.1	5.0	3.9	7.1	6.1
CHARGER II	6.8	5.8	7.4	6.9	4.3	4.2	7.3	6.1
ABT-99-4.965	6.9	5.7	7.9	6.4	4.5	4.0	7.4	6.1
PANTHER	6.1	5.2	7.7	7.1	4.6	4.3	7.7	6.1
SECRETARIAT	5.8	6.0	7.4	7.3	4.5	4.9	6.9	6.1
PICK PR B-97	5.9	5.3	8.0	6.4	5.7	3.9	7.4	6.1
RADIANT	6.4	5.3	7.9	6.4	5.4	3.8	7.6	6.1
WILMINGTON	6.4	5.1	8.1	6.2	5.6	3.5	7.7	6.1
PICK PR 1-94	6.4	5.4	7.9	6.2	5.3	4.2	7.1	6.1
CIS-PR-75	6.6	5.0	7.6	6.6	4.8	4.3	7.7	6.1
PHANTOM	6.4	5.9	7.6	7.0	4.7	3.8	7.3	6.1
CATHEDRAL II	6.4	5.1	7.9	6.8	4.3	4.1	7.9	6.1
MDP	6.6	5.1	8.0	6.7	4.6	4.3	7.1	6.1
DIVINE	6.4	5.4	7.4	7.0	4.4	4.3	7.4	6.1
LTP-ME	6.1	4.9	7.7	6.7	5.3	4.3	7.3	6.0
ABT-99-4.625	6.3	5.1	7.9	6.3	5.7	4.2	6.7	6.0
UT-1000 (ABT-99-4.709)	6.2	5.1	8.2	6.5	5.4	4.2	6.5	6.0
MB 414	6.2	5.5	7.9	6.6	4.6	4.1	7.3	6.0
APR 1237	6.0	6.1	7.4	6.6	4.2	4.2	7.6	6.0
APR 1231	5.8	6.1	7.3	7.2	4.5	4.0	7.2	6.0
LINE DRIVE	5.9	5.7	7.7	7.0	4.4	4.2	7.2	6.0
APR 1233	6.5	5.6	7.2	6.8	4.8	4.5	6.7	6.0
CATALINA	6.3	5.6	7.4	6.8	5.0	4.1	6.9	6.0
EPD	6.2	5.0	8.1	6.9	4.5	4.0	7.1	6.0
SKYHAWK	6.3	5.1	7.6	7.2	4.9	3.4	7.3	6.0
ASCEND	6.3	5.5	7.4	6.6	4.8	4.1	6.9	5.9
JR-128	6.0	5.6	7.6	6.7	4.6	4.1	7.1	5.9

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) GROWN AT SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA6	IL1	ME1	MI1	NJ1	NJ2	PA1	MEAN
EP53	6.6	4.9	7.6	7.0	4.3	4.0	7.3	5.9
MP107	6.0	4.9	7.8	6.8	4.7	4.3	7.0	5.9
MEPY	6.3	5.0	7.4	7.0	4.2	4.2	7.2	5.9
ABT-99-4.600	6.4	5.2	7.7	7.1	4.3	3.7	6.8	5.9
SRX 4120	6.7	5.9	7.3	6.9	4.1	3.7	6.6	5.9
APR 1232	6.4	6.2	7.2	6.4	4.0	3.9	6.9	5.9
SUPERSTAR (EP57)	6.1	4.9	7.7	6.7	4.7	3.5	7.4	5.9
CAS-LP84	6.3	5.3	7.7	6.8	3.9	3.8	7.1	5.8
EXTREME (JR-317)	5.9	5.2	7.7	6.8	4.5	3.8	7.1	5.8
APR 1235	6.5	5.8	7.3	6.3	4.3	3.4	7.1	5.8
LPR 98-144	5.7	5.2	7.0	7.0	4.0	4.1	7.6	5.8
HEADSTART	6.1	5.5	7.4	7.1	3.4	4.0	7.0	5.8
RACER	6.4	5.6	7.6	6.3	4.3	3.8	6.6	5.8
KOOS R-71	6.3	5.5	6.9	7.0	4.3	4.3	6.2	5.8
ALLSPORT	6.3	5.2	7.6	6.5	4.6	3.2	7.0	5.8
MP103	6.4	5.2	7.4	6.6	4.6	3.8	6.5	5.8
PASSPORT	6.5	5.1	7.3	7.1	4.1	3.6	6.5	5.8
PICK EX2	5.8	6.1	7.3	6.8	3.6	4.1	6.5	5.7
AFFINITY	6.2	6.1	6.8	6.4	3.9	4.0	6.7	5.7
PARADIGM (APR 1236)	6.1	4.7	6.9	6.5	5.0	4.2	6.3	5.7
BY-100	6.0	5.3	7.1	6.9	3.6	3.9	6.9	5.7
PROSPORT (AG-P981)	5.8	5.3	7.5	6.5	4.5	3.3	6.5	5.6
PREMIER	6.2	5.3	7.5	6.5	3.1	3.8	6.9	5.6
LPR 98-143	6.1	5.4	7.1	6.6	3.7	3.7	6.7	5.6
PROWLER (APR 777)	6.0	5.5	7.2	6.2	4.0	3.4	6.9	5.6
WVPB-R-84	5.9	5.3	7.1	7.1	3.4	3.9	6.5	5.6
EDGE	5.4	5.4	6.9	7.1	3.3	3.7	6.9	5.5
YATSUGREEN	5.3	6.1	6.3	7.3	2.9	4.2	6.3	5.5
DP LP-1	5.3	5.4	6.8	6.9	3.3	3.5	7.1	5.5
DP 17-9069	5.9	5.1	6.7	6.7	3.3	3.5	6.8	5.4
WVPB-R-82	5.6	5.4	6.8	7.0	3.1	3.8	6.3	5.4
DP 17-9391	5.2	5.8	6.4	6.8	3.6	3.5	6.5	5.4
BUCCANEER	5.8	5.5	6.4	6.7	3.0	3.5	6.1	5.3
APR 1234	5.6	4.5	6.7	6.0	3.5	3.4	6.3	5.2
DP 17-9496	4.6	4.6	5.8	6.5	2.1	2.2	4.8	4.4
LINN	4.6	3.4	4.8	5.2	1.1	1.1	3.5	3.4
LSD VALUE	0.7	0.9	0.6	0.7	0.9	1.0	0.9	0.3
C.V. (%)	7.1	9.8	4.9	6.0	11.7	13.5	7.5	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.

* SCHEDULE B - 1 - 2 INCH MOWING HEIGHT
 1/2-1 lb. N/1000 FT²/PER GROWING MONTH (HIGH RATE ONLY DURING ESTABLISHMENT)
 NO IRRIGATION, IRRIGATION ONLY DURING SEVERE STRESS OR TO PREVENT DORMANCY
 NO FUNGICIDE USE UNLESS SEVERE STAND LOSS IS POSSIBLE
 WEED AND INSECT CONTROL TO PREVENT STAND LOSS

TABLE 3. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
 USING "SCHEDULE C (HOME LAWN)" */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL2	IN1	MO1	QE1	WA1	WI1	MEAN
MACH 1 (ROBERTS-627)	7.6	7.6	5.3	4.9	5.1	7.7	6.1	6.3
DLF-LDD	7.2	7.4	5.3	4.9	5.5	6.9	5.9	6.1
GATOR 3 (CIS-PR-85)	7.4	7.8	4.9	4.8	5.0	7.2	5.8	6.1
APPLAUD (PENNINGTON-11301)	7.1	6.9	5.5	5.2	5.5	6.8	5.7	6.1
ALL STAR2 (CIS-PR-78)	7.8	6.8	5.1	4.7	5.4	7.0	5.5	6.0
SR 4220 (SRX 4801)	7.3	7.0	5.0	4.9	5.4	6.9	5.7	6.0
PINNACLE II (BAR 9 B2)	7.8	6.2	4.8	5.4	5.1	7.1	5.8	6.0
PIZZAZZ	7.3	7.4	5.3	4.7	4.7	6.9	5.7	6.0
ABT-99-4.724	6.8	7.1	5.0	5.2	5.4	6.8	5.7	6.0
SEVILLE II	7.0	6.9	5.1	4.8	5.6	6.6	5.7	6.0
HAWKEYE (SRX 4RHT)	7.2	6.0	5.3	5.0	5.4	7.1	5.6	5.9
PACESETTER (6011)	7.2	6.5	5.3	4.6	5.7	6.4	5.8	5.9
CHARISMATIC (LTP 98-501)	7.3	6.6	5.4	4.6	4.9	7.0	5.5	5.9
AMAZING (B1)	7.4	6.7	5.0	4.8	4.7	7.1	5.6	5.9
PICK PR QH-97	7.3	6.0	5.2	4.8	5.4	7.1	5.5	5.9
AFFIRMED	6.9	6.9	5.0	4.8	5.6	6.6	5.3	5.9
RACER II (PICK RC2)	7.4	6.8	5.0	4.9	4.8	6.5	5.8	5.9
BRIGHTSTAR SLT (PST-2A6B)	7.4	5.8	5.2	4.9	5.3	6.8	5.8	5.9
KOKOMO (CIS-PR-69)	7.3	6.3	5.0	4.8	5.2	6.9	5.8	5.9
INSPIRE (R8000)	7.4	6.3	5.1	4.5	5.4	6.8	5.5	5.9
BARLENNIUM	7.3	6.3	5.3	4.9	5.1	6.6	5.6	5.9
PST-2SEE	7.1	6.3	5.6	4.8	5.2	6.7	5.3	5.8
ABT-99-4.834	7.3	5.5	5.3	4.9	4.9	7.0	6.0	5.8
BRIGHTSTAR II	7.0	5.8	5.3	4.9	5.3	7.1	5.5	5.8
MANHATTAN 4 (PST-2CRL)	7.3	5.8	5.3	5.0	5.1	6.8	5.6	5.8
CIS-PR-84	7.1	6.3	5.3	4.5	5.3	6.7	5.6	5.8
SALINAS (PST-2SLX)	7.1	5.7	5.8	4.7	5.3	6.7	5.7	5.8
FIESTA 3	6.9	6.5	5.0	4.7	5.4	6.7	5.5	5.8
BLAZER IV (PICK MDR)	7.4	5.5	5.2	5.0	4.9	7.0	5.8	5.8
UT-1000 (ABT-99-4.709)	7.2	6.5	5.4	4.8	5.2	6.7	4.9	5.8
EXACTA	7.4	6.3	5.1	4.7	5.2	6.8	5.2	5.8
ABT-99-4.721	7.1	6.1	5.1	4.9	5.2	6.9	5.3	5.8
CHURCHILL	7.1	6.5	5.1	4.8	5.1	6.8	5.2	5.8
CITATION FORE (PST-2BR)	7.1	6.3	5.0	4.8	4.6	7.0	5.7	5.8
ABT-99-4.560	7.3	6.8	4.8	4.6	4.8	6.3	5.9	5.8
SR 4500	6.8	7.3	5.0	4.7	5.1	6.3	5.3	5.8
PST-2RT	7.2	6.8	5.3	5.0	4.9	5.9	5.3	5.8
PARAGON	7.3	6.6	5.1	4.4	4.8	6.9	5.2	5.8
GRAND SLAM (PST-2L96)	6.9	6.7	5.2	4.6	4.8	6.6	5.6	5.8
SR 4420 (SRX 4820)	6.8	7.0	5.0	4.8	4.8	6.6	5.3	5.8
MONTEREY II (JR-187)	7.5	6.5	5.0	4.6	5.4	6.0	5.4	5.8
CALYPSO II	7.1	6.9	4.9	4.9	4.9	6.2	5.3	5.8
PENTIUM (NJ-6401)	6.8	6.2	5.4	5.0	4.4	6.8	5.6	5.7
ABT-99-4.115	7.1	6.2	5.1	4.6	5.4	6.2	5.6	5.7
DIVINE	7.2	6.1	5.2	4.7	5.7	5.8	5.3	5.7
JET	7.1	5.9	4.9	4.5	5.4	6.6	5.6	5.7
APR 1232	7.6	6.5	5.0	4.4	5.6	5.8	5.2	5.7
PREMIER II	6.6	6.4	4.9	5.0	5.6	6.5	5.1	5.7
RADIANT	7.4	5.7	5.2	4.5	5.2	7.0	5.0	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)" */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL2	IN1	MO1	QE1	WA1	WI1	MEAN
PST-2M4	6.7	6.2	5.3	4.9	5.3	6.2	5.3	5.7
ABT-99-4.464	7.2	6.0	4.7	4.8	5.0	6.7	5.5	5.7
JR-128	6.9	6.3	5.1	4.7	5.3	6.4	5.2	5.7
COURAGE (MB 410)	6.9	6.4	5.2	4.7	5.4	6.5	4.7	5.7
TERRADYNE (A5C)	7.0	6.0	4.6	5.0	5.1	6.9	5.1	5.7
CIS-PR-75	7.3	5.5	5.1	4.4	5.2	7.1	5.3	5.7
ADMIRE (JR-151)	7.0	6.3	4.8	4.7	5.4	6.1	5.4	5.7
CABO (CIS-PR-80)	7.3	5.8	5.1	4.3	5.2	6.6	5.3	5.7
PST-2JH	6.9	6.4	5.3	4.6	4.8	6.1	5.5	5.7
PST-2LA	7.4	5.8	5.2	4.5	4.7	6.5	5.6	5.7
APR 1231	6.6	6.9	5.0	4.5	5.4	6.0	5.3	5.7
SPLendid (MB 411)	7.1	5.6	5.0	4.8	4.9	6.5	5.7	5.7
MEPY	7.2	5.8	4.8	4.7	5.3	6.3	5.3	5.7
APR 1237	7.0	7.1	5.2	4.6	4.7	5.7	5.3	5.7
PST-2CRR	7.3	6.0	5.2	4.5	4.8	6.4	5.3	5.6
WILMINGTON	7.6	5.3	5.2	4.6	5.0	6.5	5.3	5.6
ELFKIN	6.8	5.3	4.8	5.0	5.6	6.4	5.6	5.6
GALLERY (MB 412)	7.0	5.4	5.4	4.8	5.2	6.9	4.7	5.6
NEXUS	7.1	6.0	5.0	4.4	4.7	6.9	5.3	5.6
MAJESTY	7.1	5.8	4.9	4.4	5.4	6.3	5.3	5.6
PICK PRNGS	7.1	5.6	5.0	4.8	5.1	6.3	5.4	5.6
APR 1235	6.6	6.7	5.0	4.3	5.3	6.4	5.0	5.6
RACER	6.8	6.4	5.4	4.4	5.3	6.0	5.0	5.6
STELLAR (CIS-PR-72)	7.0	6.2	4.9	4.4	4.3	6.7	5.7	5.6
MANHATTAN 3	7.1	5.7	5.3	4.5	5.7	5.8	5.1	5.6
CATALINA II (PST-CATS)	6.8	6.2	5.1	4.5	4.9	6.3	5.2	5.6
EPD	7.1	5.3	5.0	4.6	5.3	6.3	5.4	5.6
MB 414	7.4	6.0	5.0	4.6	4.4	6.5	5.1	5.6
LINE DRIVE	6.6	6.0	4.8	4.7	5.4	6.1	5.4	5.6
PARADIGM (APR 1236)	7.3	6.1	5.1	4.5	4.5	6.4	5.1	5.6
ABT-99-4.339	7.0	5.8	4.6	4.5	5.1	6.3	5.6	5.6
APR 1233	7.1	6.1	5.3	4.1	5.2	6.0	5.2	5.6
PROWLER (APR 777)	6.8	6.6	5.3	4.5	5.2	5.6	5.0	5.6
ALLSPORT	7.4	6.0	4.8	4.3	5.1	6.1	5.3	5.6
PICK PR B-97	6.9	5.8	5.5	4.4	3.9	7.0	5.2	5.5
PICK PR 1-94	6.4	6.0	5.3	3.8	5.1	6.9	5.3	5.5
PLEASURE XL	6.9	6.1	5.2	4.5	5.0	6.2	4.9	5.5
CAS-LP84	7.4	5.0	4.8	4.4	5.1	6.5	5.3	5.5
PROMISE	7.4	5.0	5.0	4.6	4.5	6.8	5.2	5.5
CATALINA	7.2	5.2	4.9	4.5	4.8	6.2	5.6	5.5
SECRETARIAT	6.6	6.1	4.6	4.1	5.6	5.8	5.4	5.5
CHARGER II	7.2	5.6	4.8	4.2	5.4	5.7	5.3	5.5
SUMMERSET (MB 413)	6.8	5.1	5.1	4.7	4.6	7.0	5.0	5.5
EP53	6.6	5.8	4.9	4.6	4.8	6.2	5.3	5.5
ABT-99-4.965	7.2	5.5	5.0	4.4	4.3	6.6	5.2	5.4
ASCEND	7.1	5.6	5.2	4.3	4.6	6.0	5.3	5.4
EXTREME (JR-317)	6.6	5.5	5.0	4.5	4.8	6.3	5.3	5.4
APR 776	6.7	6.3	5.2	4.8	4.1	5.9	5.1	5.4
PENNANT II	7.4	4.2	5.0	4.6	5.4	6.2	5.1	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)" */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL2	IN1	MO1	QE1	WA1	WI1	MEAN
MP107	6.9	4.7	4.9	4.7	4.9	6.3	5.4	5.4
ABT-99-4.815	7.2	4.5	5.2	4.7	4.6	6.5	5.1	5.4
CATHEDRAL II	6.6	5.4	5.3	4.8	4.2	6.2	5.2	5.4
ABT-99-4.600	6.8	5.3	5.2	4.4	4.8	6.0	5.4	5.4
SKYHAWK	7.0	4.6	5.4	4.3	5.3	6.0	5.2	5.4
SUPERSTAR (EP57)	6.9	4.9	4.9	4.3	5.2	6.5	5.1	5.4
MP103	7.0	4.4	4.9	4.3	5.3	6.4	5.5	5.4
LTP-ME	7.3	5.3	4.9	4.7	3.9	6.4	5.2	5.4
ABT-99-4.625	6.8	6.2	4.9	4.5	3.9	6.4	4.9	5.4
PHANTOM	7.1	4.7	4.8	4.4	5.3	6.2	5.1	5.4
PROSPORT (AG-P981)	7.2	5.4	4.6	4.7	4.6	6.0	5.1	5.4
MDP	6.8	5.3	4.8	4.7	4.4	6.1	5.3	5.4
SRX 4120	6.9	5.9	4.6	4.7	4.6	5.2	5.5	5.4
MP88	7.2	4.8	5.0	4.7	3.6	6.6	5.5	5.3
LPR 98-144	6.4	5.5	5.0	3.9	5.3	6.2	4.9	5.3
PREMIER	6.6	6.0	4.3	4.4	5.0	5.6	5.1	5.3
EDGE	6.6	5.3	4.8	4.3	5.5	5.3	5.2	5.3
APR 1234	6.4	6.0	4.8	4.5	5.1	5.5	4.5	5.3
PASSPORT	6.7	4.8	5.0	4.1	5.2	5.6	5.5	5.3
PICK EX2	6.6	5.8	5.3	4.1	4.2	5.4	5.3	5.2
LPR 98-143	6.9	4.9	4.8	4.3	4.6	5.9	5.2	5.2
PANTHER	7.2	4.1	4.7	4.1	4.7	6.2	5.6	5.2
KOOS R-71	6.7	5.2	4.5	4.0	5.2	5.7	5.2	5.2
AFFINITY	6.0	5.2	5.0	4.3	5.1	5.6	5.0	5.2
WVPB-R-84	6.3	5.5	4.7	4.6	4.2	5.6	5.2	5.2
WVPB-R-82	6.8	4.8	4.5	3.7	4.9	5.6	5.3	5.1
BY-100	6.3	4.9	4.8	4.1	5.4	5.0	5.1	5.1
PALMER III	6.7	4.5	4.3	3.9	4.1	6.4	5.5	5.1
HEADSTART	6.6	4.8	4.8	4.0	4.3	6.0	5.1	5.1
DP 17-9069	6.2	4.5	4.6	4.1	5.3	5.0	5.1	5.0
DP LP-1	6.4	4.1	4.5	4.0	5.2	5.1	5.2	4.9
YATSUGREEN	6.2	4.5	4.7	3.9	5.3	4.7	5.2	4.9
BUCCANEER	6.3	4.8	4.8	4.0	3.9	5.5	5.1	4.9
DP 17-9391	5.9	5.3	4.5	4.0	4.1	4.9	5.2	4.8
DP 17-9496	5.4	3.1	4.5	3.9	5.2	3.3	4.4	4.3
LINN	4.8	1.8	3.9	3.2	4.8	3.1	3.3	3.6
LSD VALUE	0.8	1.2	0.6	0.6	1.3	0.6	0.4	0.3
C.V. (%)	7.2	12.8	6.9	8.8	16.0	5.5	4.5	9.4

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

* SCHEDULE C - 1-1/2 - 2-1/2 INCH MOWING HEIGHT
 1/3-1/2 lb. N/1000 FT²/PER GROWING MONTH
 NO IRRIGATION, IRRIGATION ONLY DURING SEVERE STRESS OR TO PREVENT DORMANCY
 NO FUNGICIDE OR INSECTICIDE USE
 WEED CONTROL ON AS NEEDED BASIS

TABLE 4.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT THREE LOCATIONS 1/
2001 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	MO3	NY2	WA4	MEAN	NAME	MO3	NY2	WA4	MEAN
MANHATTAN 4 (PST-2CRL)	5.5	6.4	6.0	5.9	SR 4500	4.7	6.1	5.5	5.4
MACH 1 (ROBERTS-627)	5.8	6.3	5.7	5.9	PST-2JH	5.3	6.0	5.0	5.4
CITATION FORE (PST-2BR)	5.4	6.3	5.9	5.8	CIS-PR-84	4.8	5.8	5.6	5.4
PINNACLE II (BAR 9 B2)	5.8	5.9	5.7	5.8	SALINAS (PST-2SLX)	4.9	5.8	5.5	5.4
SEVILLE II	5.3	5.9	6.1	5.7	ABT-99-4.834	5.0	5.7	5.5	5.4
CHARISMATIC (LTP 98-501)	5.6	6.1	5.4	5.7	PACESETTER (6011)	4.8	6.0	5.4	5.4
BLAZER IV (PICK MDR)	5.5	5.9	5.7	5.7	RACER	5.4	6.0	4.8	5.4
AMAZING (B1)	5.9	5.8	5.3	5.7	CIS-PR-75	4.6	6.0	5.4	5.4
SR 4420 (SRX 4820)	5.0	6.1	6.0	5.7	PICK EX2	5.0	6.3	4.9	5.4
GRAND SLAM (PST-2L96)	5.6	5.8	5.6	5.7	ABT-99-4.965	4.9	5.7	5.5	5.3
ABT-99-4.721	5.3	6.2	5.5	5.7	APR 1237	5.2	5.8	5.1	5.3
GATOR 3 (CIS-PR-85)	5.4	5.8	5.8	5.7	MONTEREY II (JR-187)	4.6	6.2	5.3	5.3
BRIGHTSTAR II	4.9	6.1	5.8	5.6	CHURCHILL	5.1	5.8	5.1	5.3
DLF-LDD	5.0	5.9	5.9	5.6	APR 1232	5.1	6.0	4.9	5.3
KOKOMD (CIS-PR-69)	5.0	6.2	5.4	5.6	WILMINGTON	4.8	6.2	5.1	5.3
PENTIUM (NJ-6401)	5.7	5.8	5.2	5.6	PENNANT II	4.5	6.0	5.4	5.3
PICK PR B-97	5.0	6.3	5.3	5.5	CATHEDRAL II	4.9	6.1	5.0	5.3
PST-2SBE	5.0	6.3	5.3	5.5	PST-2RT	4.8	6.3	4.8	5.3
CATALINA II (PST-CATS)	5.3	6.1	5.2	5.5	HAWKEYE (SRX 4RHT)	4.7	5.8	5.5	5.3
ABT-99-4.724	4.8	6.2	5.6	5.5	PROMISE	5.5	5.6	4.8	5.3
GALLERY (MB 412)	5.1	6.1	5.3	5.5	BARLENNIUM	5.3	5.9	4.8	5.3
RACER II (PICK RC2)	5.4	6.2	5.0	5.5	LINE DRIVE	4.9	6.1	4.9	5.3
RADIANT	5.2	5.9	5.5	5.5	APR 1235	5.0	6.0	4.9	5.3
FIESTA 3	4.8	6.2	5.5	5.5	AFFIRMED	5.0	6.0	4.8	5.3
PICK PR 1-94	5.3	6.0	5.2	5.5	PICK PRNGS	5.0	5.8	5.1	5.3
INSPIRE (R8000)	5.2	5.9	5.5	5.5	ABT-99-4.115	4.8	6.0	5.0	5.3
NEXUS	5.7	5.7	5.1	5.5	APR 776	4.8	6.2	4.7	5.3
PST-2M4	5.2	6.3	5.1	5.5	ELFKIN	4.4	6.0	5.3	5.3
PARAGON	5.1	6.1	5.3	5.5	ABT-99-4.560	4.8	6.0	5.0	5.2
MB 414	5.0	5.9	5.5	5.5	PLEASURE XL	5.0	5.9	4.8	5.2
SPLendid (MB 411)	5.0	6.0	5.4	5.5	CALYPSO II	4.5	6.0	5.3	5.2
BRIGHTSTAR SLT (PST-2A6B)	5.5	6.0	5.0	5.5	PALMER III	4.6	6.1	5.0	5.2
TERRADYNE (A5C)	5.1	5.6	5.7	5.5	PREMIER II	4.9	5.7	5.1	5.2
EXACTA	5.3	6.1	5.0	5.5	MP107	4.5	6.3	4.9	5.2
PST-2LA	4.6	6.2	5.6	5.5	EPD	4.8	5.8	5.1	5.2
STELLAR (CIS-PR-72)	5.1	5.8	5.6	5.5	MP103	4.5	6.0	5.3	5.2
PIZZAZZ	5.5	5.8	5.1	5.5	SECRETARIAT	4.8	5.9	4.9	5.2
ALL STAR2 (CIS-PR-78)	5.3	6.1	4.9	5.5	APR 1231	4.7	6.0	4.9	5.2
APPLAUD (PENNINGTON-11301)	5.0	6.0	5.4	5.5	PST-2CRR	4.8	5.9	5.0	5.2
COURAGE (MB 410)	5.0	6.1	5.3	5.5	ABT-99-4.815	5.0	5.9	4.8	5.2
SUMMERSET (MB 413)	5.0	6.1	5.3	5.4	MANHATTAN 3	4.8	6.2	4.6	5.2
CABO (CIS-PR-80)	5.0	5.9	5.4	5.4	PICK PR QH-97	4.4	5.9	5.3	5.2
SR 4220 (SRX 4801)	4.9	6.0	5.4	5.4	LPR 98-144	5.0	5.7	4.9	5.2
JET	4.9	5.7	5.8	5.4	MEPY	4.8	6.3	4.6	5.2
UT-1000 (ABT-99-4.709)	4.6	6.5	5.2	5.4	EXTREME (JR-317)	4.5	5.9	5.1	5.2
					PANTHER	4.1	6.0	5.4	5.2

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN UNDER TRAFFIC STRESS AT THREE LOCATIONS 1/
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MO3	NY2	WA4	MEAN
ABT-99-4.464	4.8	6.0	4.8	5.2
ABT-99-4.600	4.8	5.9	4.9	5.2
ADMIRE (JR-151)	4.8	5.6	5.1	5.2
WVPB-R-84	4.6	6.2	4.8	5.2
CATALINA	4.6	6.0	4.9	5.2
MAJESTY	4.9	5.6	4.9	5.2
PROWLER (APR 777)	4.6	6.2	4.7	5.2
ABT-99-4.339	4.5	6.3	4.6	5.2
PARADIGM (APR 1236)	4.8	6.0	4.7	5.1
CHARGER II	4.7	6.0	4.8	5.1
DIVINE	4.7	6.0	4.8	5.1
MP88	4.4	6.1	4.8	5.1
ALLSPORT	4.4	6.0	4.9	5.1
SUPERSTAR (EP57)	4.5	6.1	4.7	5.1
ASCEND	4.5	5.9	4.9	5.1
LTP-ME	4.6	6.1	4.6	5.1
AFFINITY	4.3	6.2	4.8	5.1
PROSPORT (AG-P981)	4.5	6.1	4.6	5.1
PASSPORT	4.6	5.7	4.9	5.1
KOOS R-71	4.5	6.0	4.6	5.1
SKYHAWK	4.3	6.0	4.9	5.1
ABT-99-4.625	4.9	5.8	4.3	5.0
PHANTOM	4.6	6.1	4.4	5.0
JR-128	4.6	5.5	4.9	5.0
HEADSTART	4.5	5.8	4.7	5.0
LPR 98-143	4.7	5.5	4.8	5.0
BY-100	4.0	6.1	4.8	5.0
MDP	4.6	5.5	4.7	4.9
DP 17-9391	3.8	6.2	4.8	4.9
EP53	4.0	6.2	4.5	4.9
DP LP-1	3.7	6.3	4.7	4.9
PREMIER	4.3	6.0	4.4	4.9
CAS-LP84	4.1	5.8	4.7	4.9
APR 1234	4.5	5.8	4.3	4.9
BUCCANEER	4.2	5.8	4.4	4.8
WVPB-R-82	4.0	6.0	4.4	4.8
APR 1233	4.0	5.8	4.6	4.8
SRX 4120	4.0	5.6	4.8	4.8
DP 17-9069	3.7	5.9	4.6	4.7
EDGE	4.0	5.8	4.4	4.7
YATSUGREEN	3.8	6.0	4.4	4.7
DP 17-9496	3.3	5.8	4.2	4.4
LINN	1.2	5.7	3.5	3.5
LSD VALUE	0.8	0.5	0.6	0.4
C.V. (%)	10.7	5.1	7.0	7.6

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

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

TABLE 6.

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	IA1	IL1	IL2	IN1	KY1	MD1	MI1	NE1	NJ1	QE1	SD1	VA1	WI1	MEAN
STELLAR (CIS-PR-72)	4.7	7.0	6.0	2.0	9.0	5.3	6.7	7.3	6.0	2.3	8.3	7.0	3.7	5.8
PROMISE	5.3	5.0	5.7	2.3	8.3	5.7	7.3	6.3	6.3	3.0	8.0	6.3	4.0	5.7
HAWKEYE (SRX 4RHT)	5.7	6.0	5.3	2.0	8.7	5.0	7.0	6.3	5.3	3.0	8.0	7.0	4.0	5.6
PIZZAZZ	5.3	5.0	6.0	2.3	8.0	5.7	7.0	6.3	6.3	2.0	8.0	7.3	4.0	5.6
AMAZING (B1)	5.7	6.0	3.3	1.7	9.0	7.0	7.0	5.3	6.0	3.0	8.3	7.0	3.7	5.6
PINNACLE II (BAR 9 B2)	6.0	6.7	5.0	2.0	8.0	6.0	6.7	6.0	4.7	2.7	8.3	7.0	4.0	5.6
MACH 1 (ROBERTS-627)	6.0	5.0	5.7	2.3	9.0	7.0	7.0	4.5	4.0	2.7	8.0	7.7	4.0	5.6
ABT-99-4.834	5.3	7.0	4.3	2.3	9.0	5.7	7.0	6.0	5.0	2.7	8.0	6.7	3.7	5.6
BLAZER IV (PICK MDR)	6.0	5.0	5.3	2.0	9.0	5.3	7.0	5.7	5.3	2.7	8.3	6.7	4.0	5.6
INSPIRE (R8000)	4.7	5.0	5.0	2.3	8.7	6.0	7.0	6.7	5.0	3.0	8.7	6.7	3.7	5.6
ALL STAR2 (CIS-PR-78)	5.7	6.0	3.7	2.0	8.7	6.3	7.0	6.3	5.0	2.7	8.3	7.3	3.0	5.5
PALMER III	4.0	5.0	7.3	1.3	8.7	5.0	7.0	6.0	6.3	2.3	8.0	6.7	4.0	5.5
ABT-99-4.724	4.3	5.0	5.3	2.0	9.0	5.3	7.0	6.3	5.7	2.7	8.3	7.3	3.3	5.5
BARLENNIUM	4.7	6.0	6.0	2.3	7.3	5.3	6.7	6.3	4.7	3.0	8.3	6.7	3.7	5.5
JR-128	4.0	6.0	5.7	1.7	8.0	5.7	7.0	7.0	5.0	3.0	8.0	6.0	4.0	5.5
ABT-99-4.721	5.7	5.0	5.0	1.7	8.7	6.3	7.0	6.0	4.0	2.3	8.0	7.0	4.0	5.4
ADMIRE (JR-151)	4.3	7.0	4.7	2.3	8.3	5.3	6.7	6.0	5.3	3.0	8.0	5.7	4.0	5.4
CITATION FORE (PST-2BR)	4.0	6.0	4.3	1.7	8.3	6.0	7.0	6.3	5.3	2.3	8.0	7.3	4.0	5.4
ABT-99-4.965	4.7	5.0	6.3	1.3	9.0	5.7	7.0	5.7	5.0	2.3	8.0	7.3	3.3	5.4
SEVILLE II	4.0	6.0	6.0	1.7	8.7	5.7	7.0	6.0	5.0	2.7	8.0	6.7	3.3	5.4
SRX 4120	5.0	7.0	5.3	2.0	6.7	5.0	7.0	5.0	8.0	2.0	8.0	5.3	4.0	5.4
CIS-PR-84	4.0	5.0	4.0	2.0	8.3	6.3	7.0	6.3	5.0	3.3	8.0	7.0	3.7	5.4
ABT-99-4.115	5.3	5.0	5.7	1.7	7.3	4.7	7.0	5.7	6.3	3.0	8.0	6.3	4.0	5.4
JET	4.7	5.0	5.7	1.7	8.0	5.3	6.7	5.3	6.3	3.0	8.0	6.3	4.0	5.4
KOKOMO (CIS-PR-69)	5.7	5.0	4.7	2.0	8.3	5.7	6.7	6.3	5.0	2.7	8.0	6.7	3.3	5.4
YATSUGREEN	3.7	8.0	6.7	2.0	6.0	4.7	7.0	5.0	9.0	2.0	8.0	4.3	3.7	5.4
PARAGON	5.3	5.0	4.3	2.0	8.0	5.3	7.0	6.0	5.3	2.7	8.0	6.7	4.0	5.4
RACER II (PICK RC2)	5.7	6.0	4.0	2.0	8.0	5.7	7.0	5.0	5.7	3.0	8.0	6.0	3.7	5.4
CHARISMATIC (LTP 98-501)	5.7	5.0	4.3	2.7	8.3	5.0	6.7	6.0	4.7	2.7	8.0	6.7	4.0	5.4
DIVINE	5.3	5.0	4.3	1.7	8.3	5.3	6.3	6.7	5.0	3.0	8.0	6.7	4.0	5.4
SR 4420 (SRX 4820)	4.3	5.0	4.3	1.7	8.3	6.0	7.0	6.3	5.7	2.7	8.0	6.3	4.0	5.4
AFFIRMED	5.0	5.0	5.0	2.3	7.7	6.0	7.0	5.3	4.7	3.0	8.0	6.3	4.0	5.3
PANTHER	4.7	5.0	6.3	2.0	7.0	4.3	7.0	6.0	6.0	2.7	8.0	6.3	4.0	5.3
PICK PRNGS	4.7	5.0	3.0	1.7	8.7	6.3	7.0	6.0	5.3	3.0	8.0	7.0	3.7	5.3
TERRADYNE (A5C)	4.3	5.0	5.3	1.7	9.0	5.7	6.7	6.3	3.7	3.0	8.0	7.3	3.3	5.3
FIESTA 3	3.3	6.0	5.3	1.7	8.0	5.3	6.7	6.7	5.3	3.0	8.0	5.7	4.0	5.3
PICK PR QH-97	5.7	5.0	4.3	1.3	9.0	5.3	6.7	4.7	4.7	3.0	8.3	7.0	3.7	5.3
PREMIER II	3.7	6.0	5.3	1.7	7.3	5.3	6.7	6.7	5.7	3.0	8.0	6.0	3.3	5.3
GATOR 3 (CIS-PR-85)	5.7	5.0	4.0	1.7	8.0	6.7	7.0	5.0	4.3	2.7	8.0	6.7	3.7	5.3
ABT-99-4.560	5.3	5.0	3.3	1.3	7.7	6.0	7.0	6.0	5.7	2.7	8.0	6.3	4.0	5.3
EXACTA	6.0	5.0	4.0	2.0	7.7	6.0	7.0	6.7	4.0	2.7	8.0	6.3	3.0	5.3
NEXUS	4.3	5.0	5.3	1.0	9.0	6.0	7.0	4.7	5.0	2.3	8.3	7.0	3.3	5.3
PICK EX2	4.3	6.0	4.3	2.7	7.0	5.3	6.3	6.0	6.7	2.3	8.0	5.3	4.0	5.3
ABT-99-4.464	4.7	5.0	4.7	1.3	8.0	5.3	6.3	6.0	5.3	3.0	8.3	6.3	3.7	5.2
ABT-99-4.815	5.0	5.0	5.0	1.7	7.7	6.0	7.0	5.7	4.7	2.7	8.0	6.7	3.0	5.2
APPLAUD (PENNINGTON-11301)	4.3	5.0	3.7	2.0	8.0	5.7	6.7	6.0	4.7	3.0	8.3	6.7	4.0	5.2

TABLE 6. (CONT'D)

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	IA1	IL1	IL2	IN1	KY1	MD1	MI1	NE1	NJ1	QE1	SD1	VA1	WI1	MEAN
BRIGHTSTAR SLT (PST-2A6B)	5.3	5.0	4.3	1.3	9.0	6.3	6.7	5.7	3.3	3.0	8.0	6.7	3.3	5.2
SR 4220 (SRX 4801)	5.0	5.0	3.7	1.3	9.0	5.0	7.0	5.0	4.7	3.0	8.0	7.3	4.0	5.2
MP103	5.5	5.0	5.3	1.3	8.0	5.3	6.7	5.7	3.7	3.0	8.0	7.0	3.3	5.2
ELFKIN	4.3	5.0	5.3	1.0	8.3	5.7	7.0	6.3	4.7	2.7	8.0	5.7	3.7	5.2
LPR 98-143	4.7	5.0	2.7	2.3	8.0	6.3	7.0	6.3	6.0	2.0	8.0	6.0	3.3	5.2
PENNANT II	4.7	5.0	4.3	1.3	8.3	6.3	7.0	5.7	4.3	2.3	8.0	7.0	3.3	5.2
SECRETARIAT	4.0	5.0	4.7	1.7	7.0	5.0	6.3	7.0	6.7	3.0	8.0	5.7	3.7	5.2
SUMMERSET (MB 413)	5.0	5.0	6.0	1.7	8.7	5.3	7.0	4.7	4.0	2.3	8.0	7.0	3.0	5.2
CALYPSO II	5.3	5.0	4.0	2.3	7.0	6.0	6.7	5.7	6.3	2.7	8.0	5.0	3.7	5.2
RADIANT	6.3	4.7	4.3	1.3	8.3	6.3	7.0	4.7	3.0	3.0	8.0	7.3	3.3	5.2
HEADSTART	4.3	5.0	5.7	1.7	7.0	6.3	6.7	6.3	4.0	2.3	8.0	6.3	3.7	5.2
LPR 98-144	4.0	5.0	5.0	1.3	7.7	5.7	6.3	7.3	6.0	2.0	8.0	6.0	3.0	5.2
PST-2CRR	6.0	5.0	3.0	2.0	7.7	6.0	7.0	5.7	5.0	2.3	8.0	6.7	3.0	5.2
UT-1000 (ABT-99-4.709)	5.0	4.7	4.3	2.7	8.0	5.0	6.7	6.0	5.3	2.3	8.0	6.7	2.7	5.2
CIS-PR-75	5.0	4.7	5.0	2.7	8.7	6.3	7.0	4.7	2.7	2.7	8.0	6.7	3.3	5.2
KOOS R-71	4.0	4.7	4.3	1.7	7.0	5.7	6.3	5.7	7.7	3.0	8.0	5.3	4.0	5.2
PENTIUM (NJ-6401)	3.7	6.0	3.7	1.3	8.7	6.3	7.0	5.3	5.0	2.7	8.0	6.0	3.7	5.2
PROSPORT (AG-P981)	4.7	6.0	5.7	1.3	7.7	5.0	7.0	5.0	5.0	2.3	8.0	6.7	2.7	5.2
CHURCHILL	5.0	5.0	3.3	2.0	8.3	6.0	6.3	5.7	4.3	3.0	8.0	6.7	3.3	5.2
ABT-99-4.339	4.7	5.0	3.7	1.7	8.3	5.3	6.3	6.3	5.7	2.0	8.0	6.0	3.7	5.1
CHARGER II	4.7	5.0	4.0	1.7	7.3	5.0	7.0	5.3	6.0	3.0	8.0	5.7	4.0	5.1
GALLERY (MB 412)	4.7	4.7	4.0	1.3	8.3	7.0	6.7	5.3	3.3	3.0	8.0	7.3	3.0	5.1
PACESETTER (6011)	4.0	5.0	2.7	1.7	8.0	6.0	7.0	5.7	5.0	2.7	8.0	7.0	4.0	5.1
GRAND SIAM (PST-2L96)	4.7	5.0	4.3	1.7	9.0	5.3	7.0	5.3	3.3	2.3	8.0	7.0	3.3	5.1
ABT-99-4.600	3.7	5.0	4.0	1.7	7.3	5.0	7.0	5.7	6.0	2.7	8.0	6.0	4.0	5.1
BUCCANEER	3.7	5.0	4.7	1.7	6.0	5.3	7.0	6.3	8.0	2.7	8.0	4.7	3.0	5.1
BY-100	4.0	5.0	5.7	1.7	7.0	4.3	7.0	5.3	7.0	3.0	8.0	4.7	3.3	5.1
DP LP-1	4.7	4.7	6.7	1.3	7.7	4.7	6.7	5.3	5.0	3.0	8.0	4.7	3.7	5.1
MAJESTY	4.3	4.7	3.3	1.3	8.7	6.3	6.7	6.7	4.0	3.0	8.0	6.0	3.0	5.1
PASSPORT	4.0	4.3	5.0	1.7	6.0	6.0	6.3	6.3	6.0	3.0	7.7	5.7	4.0	5.1
SPLENDID (MB 411)	4.7	5.0	5.0	1.3	8.3	5.7	6.7	6.0	3.0	2.3	8.0	6.7	3.3	5.1
WILMINGTON	5.3	5.0	2.3	1.7	9.0	6.3	7.0	4.3	3.0	3.0	8.3	7.3	3.3	5.1
MANHATTAN 3	4.3	5.0	2.0	2.3	8.0	5.7	7.0	5.3	5.7	2.7	7.7	6.7	3.7	5.1
PST-2RT	5.3	5.0	3.0	1.0	8.0	5.3	6.7	5.0	6.7	2.7	7.7	5.7	4.0	5.1
ALLSPORT	4.7	5.0	3.3	1.3	8.0	5.0	7.0	5.7	5.0	2.7	8.0	6.3	3.7	5.1
MANHATTAN 4 (PST-2CRL)	4.7	5.0	3.3	1.3	8.0	5.7	6.7	5.0	4.0	3.0	8.0	7.0	4.0	5.1
SR 4500	4.7	4.7	4.3	1.0	7.7	5.3	6.7	6.7	5.3	2.3	8.0	6.0	3.0	5.1
EDGE	4.0	5.0	4.7	1.3	7.0	4.3	6.3	5.7	7.7	3.0	8.0	5.0	3.7	5.1
RACER	4.7	5.0	3.7	2.0	8.0	5.3	7.0	5.7	4.7	2.7	8.0	5.7	3.3	5.1
CATALINA	5.0	4.7	3.0	1.3	7.7	5.7	7.0	6.5	5.0	2.3	8.0	5.7	3.7	5.0
AFFINITY	3.3	6.0	4.3	2.3	6.3	5.7	7.0	6.0	7.0	2.3	7.7	4.3	3.0	5.0
MONTEREY II (JR-187)	5.0	4.7	2.7	1.0	8.0	5.0	6.3	7.3	4.3	3.0	8.0	6.0	4.0	5.0
COURAGE (MB 410)	4.7	5.0	3.7	1.7	8.0	5.3	6.7	5.7	4.7	2.7	8.0	6.3	3.0	5.0
DLF-LDD	5.3	5.0	1.3	2.0	9.0	5.3	6.7	4.0	4.7	3.0	8.0	7.0	4.0	5.0
LTP-ME	4.7	5.0	4.7	1.3	7.7	5.0	6.7	4.3	3.7	2.3	9.0	7.7	3.3	5.0
SUPERSTAR (EP57)	4.7	5.0	3.3	2.3	8.0	5.0	6.7	5.0	5.3	2.7	8.0	6.0	3.3	5.0
BRIGHTSTAR II	4.7	4.7	1.7	1.3	8.3	6.3	7.0	5.7	3.7	3.0	8.0	7.0	3.7	5.0

TABLE 6. (CONT'D)

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	IA1	IL1	IL2	IN1	KY1	MD1	MI1	NE1	NJ1	QE1	SD1	VA1	WI1	MEAN
DP 17-9391	3.0	5.0	6.3	1.0	6.0	4.3	7.0	5.3	7.7	2.3	8.0	5.0	4.0	5.0
EP53	4.3	5.0	3.3	2.3	8.0	5.3	6.3	6.0	5.0	2.0	8.0	6.0	3.3	5.0
PICK PR 1-94	4.3	5.0	3.3	2.0	8.0	6.0	7.0	5.3	4.0	2.3	8.0	6.3	3.3	5.0
EPD	4.7	4.7	3.3	1.7	8.0	5.7	7.0	5.5	3.0	2.7	8.0	7.0	3.7	5.0
CABO (CIS-PR-80)	5.7	5.0	2.7	1.7	8.0	6.0	6.3	5.0	3.7	2.7	8.0	6.7	3.3	5.0
PARADIGM (APR 1236)	5.3	5.0	3.3	1.3	8.3	5.0	6.7	5.7	4.0	2.7	8.0	6.0	3.3	5.0
WVPB-R-82	4.3	5.0	4.3	1.3	7.3	4.7	6.7	6.3	5.7	2.3	8.0	4.7	4.0	5.0
MP107	4.7	5.0	3.7	1.0	8.0	4.7	7.0	6.3	3.3	2.3	8.0	7.0	3.3	4.9
MP88	5.0	4.7	2.7	1.0	8.3	6.0	7.0	6.0	3.3	2.0	8.0	6.3	4.0	4.9
PST-2M4	3.0	5.0	1.7	1.7	8.0	5.0	7.0	6.3	5.7	3.0	8.0	6.0	4.0	4.9
MB 414	5.3	5.0	2.7	1.3	8.0	5.3	6.7	5.5	4.7	2.3	8.0	6.7	2.7	4.9
PST-2JH	4.0	5.0	4.0	1.7	7.3	5.7	6.3	5.3	4.3	2.7	8.0	6.0	3.7	4.9
WVPB-R-84	3.3	5.0	3.3	1.3	7.0	5.0	6.7	5.7	7.7	2.3	8.0	5.0	3.7	4.9
PST-2SBE	4.3	5.0	2.3	1.3	8.0	6.7	6.7	5.0	4.0	2.3	8.0	6.7	3.3	4.9
APR 1235	4.0	4.3	4.3	1.3	8.0	6.0	6.7	5.0	4.7	3.0	8.0	6.0	2.3	4.9
DP 17-9069	4.0	4.7	5.3	1.3	7.0	4.7	6.3	5.7	5.0	3.0	7.7	5.0	4.0	4.9
APR 1232	5.0	4.3	3.3	1.0	7.3	4.3	6.3	5.3	4.7	3.0	8.3	6.3	4.0	4.9
APR 776	4.3	4.3	3.3	1.3	8.0	5.3	6.7	6.3	4.0	2.3	7.7	6.0	3.7	4.9
MDP	5.3	5.0	4.0	1.0	8.0	5.0	6.7	4.7	2.3	2.3	8.0	7.3	3.7	4.9
PHANTOM	4.3	4.7	3.3	1.0	8.0	5.3	7.0	5.3	4.0	3.0	8.0	6.3	3.0	4.9
ABT-99-4.625	4.7	4.7	3.7	1.3	8.0	4.7	7.0	5.7	3.3	2.7	8.0	6.7	3.0	4.9
ASCEND	5.3	5.0	3.3	1.7	8.0	6.3	7.0	5.0	3.3	2.0	8.0	5.7	2.7	4.9
APR 1233	4.3	4.7	2.3	1.3	8.0	5.7	7.0	4.3	5.0	2.3	8.0	6.0	4.0	4.8
PICK PR B-97	5.0	4.7	2.7	1.3	9.0	5.7	7.0	4.0	3.0	2.3	8.0	7.0	3.3	4.8
SALINAS (PST-2SLX)	5.3	4.7	1.0	2.0	8.0	5.7	7.0	5.3	2.7	2.3	8.0	7.0	4.0	4.8
APR 1237	4.0	5.0	2.3	1.3	8.0	5.7	7.0	6.7	2.3	2.7	8.0	6.3	3.7	4.8
CATALINA II (PST-CATS)	4.0	5.0	2.0	2.0	7.7	5.0	7.0	5.3	3.7	3.0	8.0	6.3	3.7	4.8
EXTREME (JR-317)	3.7	4.7	3.0	2.0	8.3	5.3	7.0	6.0	2.7	2.7	8.0	6.3	3.0	4.8
PST-2LA	4.7	4.7	2.7	1.3	7.7	5.3	7.0	4.7	4.0	2.7	8.0	6.3	3.7	4.8
CAS-LP84	5.0	4.7	5.0	1.0	7.7	5.0	7.0	4.7	2.3	2.3	8.0	6.3	3.3	4.8
APR 1231	3.7	5.0	2.3	1.3	7.0	5.3	6.3	5.7	4.7	3.0	8.0	6.3	3.7	4.8
MEPY	5.7	4.0	2.0	1.0	8.0	5.0	7.0	5.7	3.0	2.7	8.0	7.3	3.0	4.8
CATHEDRAL II	4.3	5.0	2.3	2.3	7.0	5.3	6.3	6.0	4.3	2.0	8.0	6.0	3.0	4.8
PLEASURE XL	4.0	4.3	3.7	1.3	8.0	5.3	7.0	4.3	4.3	2.7	8.0	6.3	2.7	4.8
DP 17-9496	3.0	5.0	5.3	1.3	6.0	4.7	7.0	4.3	8.3	2.7	8.0	3.7	2.7	4.8
PREMIER	3.0	6.0	1.7	1.3	7.0	5.3	6.7	6.7	5.7	2.0	8.0	5.7	3.0	4.8
APR 1234	3.0	4.7	3.7	2.0	7.3	5.0	6.7	4.0	6.0	3.0	8.0	5.0	3.0	4.7
PROWLER (APR 777)	4.0	4.7	3.0	2.0	8.0	5.7	6.3	4.7	4.3	2.0	7.7	6.0	3.0	4.7
LINE DRIVE	4.3	5.0	1.7	1.0	8.0	5.0	6.0	4.3	4.0	3.0	8.0	6.3	3.7	4.6
SKYHAWK	4.3	4.3	2.0	1.3	8.0	5.3	6.7	5.3	2.3	2.3	8.0	6.3	3.3	4.6
LINN	2.3	4.7	8.0	1.3	5.0	5.0	6.3	1.3	9.0	2.3	8.3	3.0	2.3	4.5
LSD VALUE	1.5	1.2	2.6	1.2	0.6	1.3	0.6	1.9	1.7	0.7	0.4	0.9	0.9	0.4
C.V. (%)	20.1	14.4	39.7	44.4	4.9	14.5	5.7	20.3	21.9	17.6	2.9	8.9	15.5	16.1

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 7.

LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	CA6	IA1	IL2	KS1	MD1	MI1	MT1	NJ1	NJ2	NY1	NY2	QE1	MEAN
APPLAUD (PENNINGTON-11301)	7.3	8.3	6.7	7.3	6.3	7.7	6.0	6.7	7.3	6.7	6.0	7.0	6.9
DLF-LDD	7.3	8.0	8.7	7.0	6.0	7.3	5.3	6.3	7.0	6.0	6.3	7.0	6.9
PINNACLE II (BAR 9 B2)	7.0	8.3	6.3	7.3	7.0	7.7	6.0	6.0	7.0	6.7	6.0	7.0	6.9
PIZZAZZ	7.0	8.0	8.0	7.0	7.0	7.7	5.7	6.3	7.0	5.3	6.0	7.0	6.8
RACER II (PICK RC2)	7.0	8.3	7.3	7.0	6.7	8.0	6.3	6.0	6.3	6.0	6.0	7.0	6.8
MACH 1 (ROBERTS-627)	6.7	8.0	7.7	7.3	6.7	7.3	5.3	5.7	7.0	7.0	6.0	7.0	6.8
ALL STAR2 (CIS-PR-78)	7.0	8.0	7.0	7.3	6.3	7.7	5.7	6.0	7.0	6.3	5.7	7.0	6.8
CITATION FORE (PST-2BR)	7.7	8.0	6.7	7.3	6.7	8.0	6.0	5.0	6.3	6.3	6.0	7.0	6.8
BLAZER IV (PICK MDR)	7.3	8.0	6.3	7.0	6.7	7.7	5.7	6.7	6.0	6.7	6.0	7.0	6.8
APR 1231	7.3	8.0	8.0	7.0	6.3	7.7	5.3	5.7	6.0	6.3	6.0	7.0	6.7
PENTIUM (NJ-6401)	7.0	8.0	5.3	8.0	6.3	8.0	5.7	7.0	6.3	6.3	5.7	6.7	6.7
AMAZING (B1)	7.0	8.0	6.3	6.7	7.0	7.7	6.3	6.0	7.0	6.0	5.3	7.0	6.7
PST-2LA	7.0	8.0	6.7	7.0	6.3	7.7	6.3	6.0	5.7	6.0	6.3	7.0	6.7
SR 4500	7.0	8.0	7.7	6.7	6.7	7.7	5.7	5.3	6.0	7.0	5.3	7.0	6.7
GRAND SLAM (PST-2L96)	6.7	8.0	7.7	7.3	6.3	7.7	5.3	5.3	6.3	6.0	6.0	7.0	6.6
MAJESTY	7.3	8.3	7.0	8.0	6.3	7.3	6.0	5.3	4.7	6.3	6.0	7.0	6.6
PICK PR B-97	7.7	8.0	6.7	7.3	6.0	7.7	6.0	6.3	5.7	5.7	5.7	7.0	6.6
SR 4220 (SRX 4801)	7.0	8.3	7.7	7.0	6.0	7.7	5.3	6.3	5.7	5.7	6.0	7.0	6.6
NEXUS	7.3	8.3	6.3	7.3	6.0	7.7	5.7	6.0	5.3	6.3	6.3	7.0	6.6
PICK PRNGS	7.0	8.0	6.7	7.7	7.0	7.7	5.7	6.0	5.0	6.0	6.0	7.0	6.6
COURAGE (MB 410)	7.0	8.0	7.3	7.7	6.3	7.3	5.7	5.7	5.3	6.3	5.7	7.0	6.6
GALLERY (MB 412)	7.0	8.0	7.7	7.0	6.3	7.3	5.3	5.7	5.3	6.7	6.0	7.0	6.6
SR 4420 (SRX 4820)	7.0	8.3	6.7	7.0	6.0	7.3	6.0	6.0	6.3	6.0	5.7	7.0	6.6
PST-2JH	7.3	8.3	6.3	6.3	6.3	8.0	6.0	6.0	5.3	6.3	6.0	7.0	6.6
ABT-99-4.115	7.3	8.0	6.0	7.0	6.0	8.0	6.0	5.7	5.7	6.7	5.7	7.0	6.6
ASCEND	7.0	8.0	7.0	7.0	6.7	7.3	6.7	4.3	5.7	6.3	6.0	7.0	6.6
EXTREME (JR-317)	7.7	8.0	7.0	7.7	6.3	7.7	6.3	4.7	4.7	6.0	6.0	7.0	6.6
GATOR 3 (CIS-PR-85)	7.3	8.0	6.0	7.3	6.3	7.7	5.3	6.0	6.3	5.7	6.0	7.0	6.6
PACESETTER (6011)	7.7	8.0	6.0	7.0	6.0	7.3	5.7	6.3	6.3	5.7	5.7	7.0	6.6
SALINAS (PST-2SLX)	6.7	8.0	6.7	7.7	6.7	7.3	5.3	5.3	6.0	6.0	6.0	7.0	6.6
ADMIRE (JR-151)	7.0	8.0	6.3	7.7	6.0	7.3	6.7	5.0	5.3	6.3	6.0	7.0	6.6
SKYHAWK	7.3	8.0	5.7	7.7	6.7	8.0	6.7	5.0	4.0	6.7	6.0	7.0	6.6
ABT-99-4.560	6.7	8.3	6.0	6.3	6.7	7.3	6.0	5.3	6.3	6.3	6.0	7.0	6.5
JET	7.0	8.0	5.3	7.0	6.3	7.3	6.3	6.0	6.0	6.3	5.7	7.0	6.5
KOKOMO (CIS-PR-69)	7.3	8.7	5.7	7.3	6.0	7.7	6.0	5.0	6.3	5.7	5.7	7.0	6.5
CHARISMATIC (LTP 98-501)	7.3	8.3	5.7	7.3	6.3	7.3	5.0	6.0	6.3	6.3	5.3	7.0	6.5
MP88	7.0	8.0	7.0	7.3	6.3	7.7	6.0	5.7	4.3	6.3	5.7	7.0	6.5
ABT-99-4.721	7.7	8.0	7.0	7.7	6.0	7.3	5.3	5.0	5.3	6.0	5.7	7.0	6.5
ABT-99-4.339	7.0	8.0	6.7	7.3	6.3	7.3	5.7	5.3	5.7	5.7	6.0	7.0	6.5
ABT-99-4.464	7.0	8.0	5.3	6.7	6.0	7.7	6.3	6.3	6.0	5.7	6.0	7.0	6.5
APR 1233	7.3	8.0	6.3	7.7	5.7	7.7	5.3	5.3	5.3	6.3	6.0	7.0	6.5
CIS-PR-84	7.0	8.0	6.3	6.7	6.3	7.7	5.0	6.0	5.7	6.3	6.0	7.0	6.5
MONTEREY II (JR-187)	7.3	8.0	7.3	7.0	6.7	7.7	5.3	5.0	4.3	6.3	6.0	7.0	6.5
MP107	7.3	8.0	6.0	7.7	6.3	7.7	6.0	5.0	5.0	6.3	5.7	7.0	6.5
SEVILLE II	7.0	8.0	6.0	7.3	6.0	7.7	5.3	5.7	6.3	6.0	5.7	7.0	6.5
SPIENDID (MB 411)	7.0	8.0	6.3	7.3	6.3	7.7	6.0	5.0	5.3	6.3	5.7	7.0	6.5

TABLE 7. (CONT'D)

LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	CA6	IA1	IL2	KS1	MD1	MI1	MT1	NJ1	NJ2	NY1	NY2	QE1	MEAN
INSPIRE (R8000)	7.0	8.0	7.7	7.0	6.3	8.0	5.0	5.0	5.7	6.0	5.3	7.0	6.5
JR-128	7.3	8.0	5.3	7.0	6.3	7.3	6.3	5.3	5.3	6.7	5.7	7.0	6.5
ABT-99-4.815	7.0	8.0	6.3	7.3	6.3	8.0	6.0	4.3	5.3	6.0	6.0	7.0	6.5
AFFIRMED	7.3	8.0	6.7	7.0	6.0	8.0	5.3	5.3	5.3	6.0	5.7	7.0	6.5
APR 1232	7.0	8.0	6.3	7.3	6.0	8.0	6.0	4.3	5.0	6.7	6.0	7.0	6.5
FIESTA 3	7.0	8.0	5.3	7.3	6.0	7.3	6.0	5.3	5.7	6.7	6.0	7.0	6.5
PST-2RT	8.0	8.0	5.7	6.7	6.0	7.3	6.0	6.0	5.3	6.0	5.7	7.0	6.5
PREMIER II	7.0	8.0	5.0	6.7	6.7	8.0	5.7	5.3	5.3	6.7	6.0	7.0	6.4
DIVINE	7.0	8.0	6.7	6.7	6.0	7.3	6.0	5.3	5.7	6.3	5.3	7.0	6.4
PST-2M4	7.0	8.0	5.7	6.3	6.3	7.7	6.0	5.7	5.7	6.0	6.0	7.0	6.4
APR 776	7.3	8.3	5.7	7.3	6.0	7.3	5.7	5.7	5.0	6.0	6.0	6.7	6.4
CHURCHILL	7.0	8.0	5.7	7.0	6.3	8.0	6.0	5.0	5.3	6.0	5.7	7.0	6.4
CATHEDRAL II	7.7	8.3	6.3	6.7	6.3	7.3	5.7	4.7	5.0	6.3	5.7	7.0	6.4
ABT-99-4.724	6.7	8.0	7.0	6.7	6.3	7.3	5.0	5.0	6.0	6.0	5.7	7.0	6.4
ABT-99-4.834	7.0	8.0	5.7	6.0	6.0	7.7	5.0	5.3	7.0	6.0	6.0	7.0	6.4
ABT-99-4.965	7.7	8.0	6.7	6.7	6.7	7.7	5.7	5.0	4.0	6.0	5.7	7.0	6.4
HAWKEYE (SRX 4RHT)	6.7	8.0	5.7	7.0	6.3	7.7	5.7	5.3	6.0	5.7	5.7	7.0	6.4
PARAGON	6.7	8.0	6.7	6.7	6.0	7.3	6.7	5.3	4.7	6.0	5.7	7.0	6.4
PROMISE	7.0	8.0	4.3	6.7	6.3	7.3	5.7	6.0	6.3	6.0	6.0	7.0	6.4
APR 1237	6.3	8.0	7.0	6.7	6.0	7.7	5.3	4.7	5.7	6.7	5.7	7.0	6.4
BARLENNIUM	7.3	8.0	5.0	6.3	6.7	7.7	5.3	5.7	5.3	6.3	6.0	7.0	6.4
EXACTA	7.3	8.0	6.3	6.3	6.0	7.7	5.7	5.0	5.3	6.0	6.0	7.0	6.4
LPR 98-144	6.7	8.0	6.0	7.7	6.3	8.0	5.7	5.0	4.7	6.3	5.3	7.0	6.4
PROWLER (APR 777)	7.3	8.0	6.3	6.7	6.3	8.0	6.3	4.3	4.7	6.3	5.3	7.0	6.4
CALYPSO II	7.3	8.0	5.0	7.0	6.0	7.3	5.3	6.0	6.0	5.7	5.7	7.0	6.4
MB 414	6.3	8.0	6.3	7.0	6.0	7.3	6.0	4.7	5.3	6.7	5.7	7.0	6.4
PST-2SBE	6.7	8.0	7.3	7.0	6.0	8.0	5.7	5.3	4.7	5.7	5.0	7.0	6.4
BRIGHTSTAR II	7.0	8.0	6.7	7.3	5.7	7.0	5.7	4.7	4.7	6.3	6.0	7.0	6.3
ELEKIN	7.0	8.3	5.7	6.7	6.0	7.7	5.7	5.0	5.0	6.3	5.7	7.0	6.3
EP53	7.0	8.0	6.0	6.3	6.7	7.3	5.7	4.7	4.7	6.3	6.3	7.0	6.3
MANHATTAN 3	7.0	8.0	4.7	8.0	6.3	8.0	5.0	5.0	4.7	6.3	6.0	7.0	6.3
SECRETARIAT	7.7	8.0	4.7	6.7	6.0	8.0	5.0	5.0	6.3	6.0	5.7	7.0	6.3
SUPERSTAR (EP57)	7.3	8.0	5.3	7.3	6.0	7.3	6.0	4.3	5.0	6.3	6.0	7.0	6.3
APR 1235	7.7	7.7	6.0	7.0	6.0	7.7	6.0	4.0	4.3	6.3	6.0	7.0	6.3
MANHATTAN 4 (PST-2CRL)	7.0	8.0	5.7	7.0	6.0	7.7	5.7	4.7	5.0	6.0	6.0	7.0	6.3
PICK EX2	8.0	8.0	5.0	6.3	6.0	7.7	5.7	5.0	5.0	6.3	5.7	7.0	6.3
TERRADYNE (A5C)	7.0	8.0	6.3	6.7	6.0	7.3	5.0	5.0	5.7	5.7	6.0	7.0	6.3
CIS-PR-75	7.3	8.0	5.7	7.3	6.0	7.7	5.3	4.3	5.3	5.3	6.0	7.0	6.3
PALMER III	7.3	8.0	3.7	7.7	6.0	7.3	5.3	5.3	5.3	6.3	6.0	7.0	6.3
PARADIGM (APR 1236)	7.0	8.0	6.7	6.3	6.0	7.3	5.3	5.0	5.0	5.7	6.0	7.0	6.3
PICK PR QH-97	6.7	8.3	5.3	7.0	6.7	7.3	5.3	5.3	5.0	6.0	5.3	7.0	6.3
EPD	7.3	8.0	6.3	6.3	6.3	7.3	5.7	4.7	4.7	6.0	5.7	7.0	6.3
PENNANT II	6.7	8.0	4.7	7.7	7.0	7.7	5.3	5.0	5.0	6.0	5.3	7.0	6.3
CATALINA	7.3	8.0	4.3	7.0	6.0	7.7	5.7	4.7	5.3	6.0	6.0	7.0	6.3
CATALINA II (PST-CATS)	7.0	8.0	5.3	7.0	6.0	7.3	5.7	4.3	5.7	6.3	5.3	7.0	6.3
LINE DRIVE	6.7	8.0	6.7	7.0	6.0	7.3	5.7	4.7	4.7	6.0	5.3	7.0	6.3
MP103	7.0	8.0	4.7	7.0	6.0	7.3	6.0	5.0	4.7	6.7	5.7	7.0	6.3

TABLE 7. (CONT'D)

LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	CA6	IA1	IL2	KS1	MD1	MI1	MT1	NJ1	NJ2	NY1	NY2	QE1	MEAN
SUMMERSET (MB 413)	7.0	8.0	6.3	6.7	6.0	7.0	5.7	5.7	4.3	6.0	5.7	6.7	6.3
AFFINITY	7.0	8.0	3.7	6.7	5.3	8.0	5.7	4.7	5.3	7.0	6.3	7.0	6.2
HEADSTART	6.7	8.0	4.0	7.7	7.0	8.0	5.7	4.0	4.3	6.3	6.0	7.0	6.2
PANTHER	8.0	8.0	4.3	6.7	6.0	7.3	5.0	4.3	5.7	6.3	6.0	7.0	6.2
PLEASURE XL	6.7	8.0	6.0	6.7	6.0	7.3	6.0	4.7	4.3	6.3	5.7	7.0	6.2
RADIANT	7.0	8.0	6.7	6.7	6.3	7.3	5.3	4.7	4.7	5.7	5.3	7.0	6.2
MEPY	7.0	8.0	5.3	7.0	6.3	7.3	5.7	4.7	4.7	6.3	5.3	7.0	6.2
PICK PR 1-94	7.7	8.3	5.0	6.3	6.0	7.3	5.7	5.0	5.0	5.7	5.7	7.0	6.2
ABT-99-4.600	6.7	8.0	5.3	6.0	6.0	7.0	6.3	5.0	4.3	6.3	6.0	7.0	6.2
BRIGHTSTAR SLT (PST-2A6B)	7.0	8.0	5.0	6.3	6.0	7.3	5.7	5.3	5.0	6.0	5.3	7.0	6.2
LPR 98-143	7.7	8.0	4.3	7.0	6.3	7.3	5.7	4.3	4.0	6.7	5.7	7.0	6.2
PROSPORT (AG-P981)	7.3	8.7	4.0	7.0	6.0	7.3	5.7	4.3	4.7	6.0	6.0	7.0	6.2
PST-2CRR	7.0	8.0	4.0	7.7	6.0	7.7	6.0	5.0	4.0	6.3	5.3	7.0	6.2
SRX 4120	7.7	7.7	4.7	6.7	6.0	7.3	5.7	4.7	4.7	6.0	6.0	7.0	6.2
WILMINGTON	7.3	8.0	5.0	7.0	6.0	7.3	6.0	4.3	4.7	5.7	5.7	7.0	6.2
STELLAR (CIS-PR-72)	6.7	8.0	4.3	7.3	6.0	7.7	5.7	5.0	4.7	6.0	6.0	6.7	6.2
ABT-99-4.625	6.7	8.0	5.3	6.7	6.0	7.7	5.0	4.0	6.0	6.0	5.7	6.7	6.1
PREMIER	7.3	8.0	5.0	7.0	6.0	7.7	6.0	3.3	3.7	6.7	6.0	7.0	6.1
CABO (CIS-PR-80)	6.7	8.0	6.0	7.0	5.7	7.3	5.7	3.7	5.3	5.7	5.3	7.0	6.1
KOOS R-71	7.7	8.0	4.0	6.7	6.0	7.7	5.0	4.7	3.7	7.0	6.0	7.0	6.1
DP 17-9069	7.3	8.3	4.0	6.3	6.3	7.7	.	5.0	3.7	5.7	5.7	7.0	6.1
ALLSPORT	7.0	8.0	5.0	6.7	6.3	7.3	5.0	4.3	4.3	6.3	5.7	7.0	6.1
BY-100	7.3	8.0	3.3	7.0	5.7	8.0	5.0	5.0	4.3	6.3	6.0	7.0	6.1
LTP-ME	7.0	8.0	4.3	7.0	6.0	7.3	5.0	4.7	5.3	5.7	5.7	7.0	6.1
RACER	7.0	8.0	4.7	7.3	6.0	7.3	5.0	5.0	4.0	6.0	5.7	7.0	6.1
UT-1000 (ABT-99-4.709)	7.0	8.0	5.3	7.0	6.0	7.0	5.3	4.7	4.7	5.7	5.3	7.0	6.1
CAS-LP84	7.0	8.0	5.0	7.0	6.3	7.3	5.3	4.3	4.0	6.0	5.3	7.0	6.1
MDP	7.3	8.0	5.3	6.0	6.3	7.3	5.7	4.0	4.3	6.0	5.3	7.0	6.1
DP 17-9391	7.0	7.7	4.3	7.0	6.3	7.7	5.3	4.0	4.0	6.0	6.0	7.0	6.0
PHANTOM	7.3	8.0	4.3	6.7	6.3	7.3	5.0	4.0	4.0	6.0	6.0	7.0	6.0
WVEB-R-84	7.0	8.0	3.3	7.0	6.3	8.0	5.3	4.7	3.7	6.3	5.7	6.7	6.0
CHARGER II	7.0	8.0	3.7	6.3	5.7	7.7	5.3	5.3	4.3	6.0	5.3	7.0	6.0
DP LP-1	7.7	7.3	4.3	6.3	6.0	7.0	5.7	4.7	4.0	6.0	5.7	7.0	6.0
PASSPORT	6.7	8.0	3.7	6.3	6.0	7.7	5.7	4.3	3.3	6.7	5.3	7.0	5.9
EDGE	6.7	7.7	4.0	6.5	6.0	7.3	5.3	4.0	3.7	6.3	5.7	7.0	5.8
APR 1234	7.0	7.7	4.3	6.3	5.7	7.0	6.0	4.0	3.0	6.0	6.0	7.0	5.8
WVEB-R-82	7.0	8.3	3.7	6.3	6.3	7.7	4.7	3.7	3.0	6.3	6.0	7.0	5.8
YATSUGREEN	6.7	7.3	3.3	6.3	6.0	7.7	5.0	4.3	4.3	6.0	5.0	7.0	5.8
BUCCANEER	7.0	8.0	3.0	6.0	5.7	7.3	4.7	4.3	3.7	6.3	5.0	6.7	5.6
DP 17-9496	5.7	6.7	1.7	5.0	5.0	7.0	4.0	2.0	1.7	5.0	5.3	7.0	4.7
LINN	6.0	7.0	1.0	5.0	4.0	7.0	4.0	1.0	1.0	5.0	5.0	7.0	4.4
LSD VALUE	0.9	0.5	1.8	1.2	0.7	0.8	1.1	1.2	1.5	1.0	0.7	0.2	0.3
C.V. (%)	7.6	3.6	19.9	11.0	6.6	6.8	11.8	14.8	18.1	9.8	8.0	1.9	10.3

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

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

TABLE 8. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	MI1	MT1	NE1	QE1	SD1	WI1	MEAN
SALINAS (PST-2SLX)	7.0	5.7	9.0	5.7	6.7	5.3	6.6
PASSPORT	7.3	5.7	9.0	6.3	5.7	5.0	6.5
PICK EX2	6.7	6.7	9.0	6.0	5.7	5.0	6.5
ABT-99-4.339	6.7	6.3	9.0	5.7	6.3	4.7	6.4
FIESTA 3	6.7	6.3	9.0	6.0	6.0	4.7	6.4
MP107	7.0	5.7	9.0	5.7	6.7	4.7	6.4
MP88	6.7	5.3	9.0	5.3	7.3	5.0	6.4
BARLENNIUM	6.7	5.3	9.0	6.0	6.3	5.0	6.4
PANTHER	7.0	4.7	9.0	6.0	6.0	5.7	6.4
DIVINE	6.7	5.7	9.0	6.0	5.7	5.0	6.3
MACH 1 (ROBERTS-627)	6.3	5.3	8.5	5.7	7.3	4.7	6.3
ABT-99-4.600	6.7	5.0	9.0	6.0	6.0	5.0	6.3
ADMIRE (JR-151)	7.0	6.0	8.3	5.3	6.0	5.0	6.3
DP LP-1	7.0	6.0	8.3	6.0	5.3	5.0	6.3
LFR 98-144	7.0	5.3	9.0	5.7	6.3	4.3	6.3
STELLAR (CIS-PR-72)	6.0	6.0	9.0	6.0	6.3	4.3	6.3
APR 1237	6.7	5.3	8.7	5.7	7.0	4.3	6.3
GATOR 3 (CIS-PR-85)	7.0	5.7	8.3	5.7	6.3	4.7	6.3
JR-128	6.7	5.7	8.7	6.0	6.0	4.7	6.3
MB 414	6.7	5.3	8.5	6.3	6.3	4.3	6.3
ABT-99-4.815	7.0	5.0	8.7	6.0	6.3	4.3	6.2
ASCEND	6.7	6.3	8.3	5.7	6.0	4.3	6.2
BRIGHTSTAR II	6.7	5.3	7.7	6.0	7.0	4.7	6.2
BRIGHTSTAR SLT (PST-2A6B)	6.7	5.0	9.0	5.7	6.0	5.0	6.2
CHARISMATIC (LTP 98-501)	6.7	5.0	9.0	6.0	6.7	4.0	6.2
CITATION FORE (PST-2BR)	7.0	4.7	8.7	6.0	6.3	4.7	6.2
EXTREME (JR-317)	6.0	6.0	8.7	6.0	6.3	4.3	6.2
HAWKEYE (SRX 4RHT)	6.7	5.3	8.3	6.7	5.7	4.7	6.2
MANHATTAN 4 (PST-2CRL)	7.3	5.3	8.0	6.3	6.0	4.3	6.2
PINNACLE II (BAR 9 B2)	6.3	5.7	8.3	5.7	6.7	4.7	6.2
PST-2LA	7.0	5.7	7.7	5.7	6.7	4.7	6.2
RACER II (PICK RC2)	6.7	5.7	8.0	6.3	6.0	4.7	6.2
SKYHAWK	7.0	5.3	8.0	5.7	6.3	5.0	6.2
BIAZER IV (PICK MDR)	6.7	4.7	8.7	6.0	6.7	4.7	6.2
PICK PRNGS	6.3	6.0	8.3	5.3	6.7	4.7	6.2
CATALINA	7.3	4.7	8.5	5.7	6.3	4.7	6.2
APPLAUD (PENNINGTON-11301)	6.3	5.3	8.3	5.7	7.0	4.3	6.2
APR 1233	6.7	5.7	9.0	5.7	5.7	4.3	6.2
MAJESTY	6.3	5.7	9.0	5.7	6.0	4.3	6.2
PST-2CRR	7.0	5.0	9.0	5.7	6.0	4.3	6.2
ABT-99-4.115	6.3	5.3	8.3	6.0	6.7	4.3	6.2
COURAGE (MB 410)	7.0	4.7	8.7	6.3	6.3	4.0	6.2
EED	6.3	5.0	8.0	6.7	6.7	4.3	6.2
HEADSTART	7.0	5.3	8.7	5.7	5.7	4.7	6.2
INSPIRE (R8000)	6.3	5.3	8.7	5.7	6.7	4.3	6.2
KOOS R-71	6.7	6.0	8.3	6.0	5.3	4.7	6.2

TABLE 8. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	MI1	MT1	NE1	QE1	SD1	WI1	MEAN
MONTEREY II (JR-187)	6.7	5.0	9.0	5.7	6.0	4.7	6.2
PIZZAZZ	6.3	5.3	8.7	5.7	6.3	4.7	6.2
SEVILLE II	6.7	5.3	8.7	5.7	6.3	4.3	6.2
SRX 4120	6.3	5.7	8.3	6.0	5.3	5.3	6.2
MP103	6.3	5.0	8.3	6.0	6.7	4.7	6.2
CABO (CIS-PR-80)	6.7	5.7	8.0	6.0	6.0	4.3	6.1
DP 17-9391	6.7	5.3	8.0	6.0	5.7	5.0	6.1
ELFKIN	6.7	5.3	8.3	5.7	6.3	4.3	6.1
EXACTA	6.3	5.0	8.7	6.0	6.3	4.3	6.1
PACESETTER (6011)	7.3	5.0	7.7	5.7	6.0	5.0	6.1
SECRETARIAT	6.7	5.7	8.7	5.7	5.7	4.3	6.1
CALYPSO II	6.3	6.0	8.3	6.0	5.3	4.7	6.1
CHARGER II	6.3	5.3	9.0	6.0	5.7	4.3	6.1
GALLERY (MB 412)	6.3	5.0	9.0	6.0	6.7	3.7	6.1
PREMIER II	6.3	5.3	8.7	6.3	6.0	4.0	6.1
SPLENDID (MB 411)	6.3	5.0	8.3	6.0	6.3	4.7	6.1
WVPB-R-82	7.0	5.7	8.3	5.7	5.3	4.7	6.1
DP 17-9069	6.3	.	8.3	5.7	5.3	4.7	6.1
ABT-99-4.464	6.3	5.3	8.7	5.7	6.0	4.3	6.1
ABT-99-4.724	6.7	4.7	8.7	5.7	6.3	4.3	6.1
PARAGON	6.3	5.7	8.3	5.7	6.0	4.3	6.1
PENNANT II	6.7	5.3	8.3	5.7	6.0	4.3	6.1
PICK PR 1-94	6.0	6.0	8.0	6.0	6.3	4.0	6.1
PICK PR QH-97	7.0	5.3	7.7	5.7	6.0	4.7	6.1
SR 4420 (SRX 4820)	6.7	5.0	9.0	5.7	6.0	4.0	6.1
SR 4500	6.7	4.7	8.7	6.0	6.0	4.3	6.1
YATSUGREEN	7.0	5.7	8.3	5.7	5.0	4.7	6.1
ABT-99-4.834	6.0	4.3	8.3	6.3	6.7	4.7	6.1
ALL STAR2 (CIS-PR-78)	6.0	5.0	8.7	6.3	6.3	4.0	6.1
KOKOMO (CIS-PR-69)	6.3	5.0	8.3	6.0	6.0	4.7	6.1
PARADIGM (APR 1236)	5.7	5.3	8.7	5.7	6.0	5.0	6.1
PHANTOM	5.7	6.0	8.3	6.3	6.0	4.0	6.1
AMAZING (B1)	6.3	5.3	8.0	6.0	6.0	4.3	6.0
APR 1231	6.3	5.0	8.7	6.0	6.0	4.0	6.0
CATALINA II (PST-CATS)	7.0	5.3	7.7	6.0	6.0	4.0	6.0
CIS-PR-84	6.0	5.7	8.3	5.7	5.7	4.7	6.0
EDGE	6.3	6.0	7.7	6.3	4.7	5.0	6.0
MDP	6.0	5.3	7.7	5.3	7.0	4.7	6.0
NEXUS	6.0	5.0	7.3	6.0	7.3	4.3	6.0
PST-2JH	6.7	4.7	8.0	6.0	5.3	5.3	6.0
SUPERSTAR (EP57)	6.7	5.0	8.0	6.0	6.3	4.0	6.0
TERRADYNE (A5C)	6.0	5.0	8.3	6.7	6.0	4.0	6.0
CATHEDRAL II	6.3	4.7	8.5	5.7	6.3	4.3	6.0
PICK PR B-97	5.7	5.3	7.7	6.0	6.7	4.3	5.9
PST-2M4	6.3	5.0	8.7	5.7	5.7	4.3	5.9
ABT-99-4.560	6.7	5.0	8.0	5.3	6.0	4.7	5.9
ABT-99-4.965	6.3	5.3	8.0	5.3	6.3	4.3	5.9

TABLE 8. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/						MEAN
	MI1	MT1	NE1	QE1	SD1	WI1	
CHURCHILL	6.0	5.0	8.0	6.3	6.3	4.0	5.9
GRAND SLAM (PST-2L96)	6.3	5.0	8.0	6.0	6.3	4.0	5.9
LINE DRIVE	6.7	6.3	7.3	5.3	5.7	4.3	5.9
LER 98-143	6.3	5.7	8.7	5.7	5.3	4.0	5.9
LTP-ME	6.3	5.0	7.3	6.7	6.0	4.3	5.9
MANHATTAN 3	7.3	5.0	8.3	5.7	5.0	4.3	5.9
MEPY	6.3	5.0	8.0	5.7	6.3	4.3	5.9
PST-2RT	6.3	5.0	7.7	6.0	6.0	4.7	5.9
SR 4220 (SRX 4801)	6.7	4.3	8.0	6.0	6.0	4.7	5.9
ABT-99-4.721	6.3	4.3	8.0	5.7	6.7	4.3	5.9
APR 1235	5.3	5.0	8.7	6.0	6.0	4.3	5.9
APR 776	6.7	5.0	9.0	4.3	6.0	4.3	5.9
CAS-LP84	6.3	4.3	8.0	5.7	6.7	4.3	5.9
DIF-LDD	6.7	5.0	7.0	6.0	6.0	4.7	5.9
PROMISE	6.0	4.7	8.7	6.0	6.0	4.0	5.9
RACER	6.0	5.0	8.3	6.0	5.7	4.3	5.9
RADIANT	6.3	4.7	7.7	5.7	7.0	4.0	5.9
CIS-PR-75	6.0	5.3	7.3	6.0	6.7	4.0	5.9
PLEASURE XL	6.0	5.3	7.7	6.0	6.3	4.0	5.9
PST-2SBE	6.0	4.3	8.3	6.0	6.0	4.7	5.9
UT-1000 (ABT-99-4.709)	5.3	5.3	8.7	6.0	6.0	4.0	5.9
BY-100	6.0	5.3	8.7	6.0	5.0	4.0	5.8
PALMER III	5.7	4.7	8.3	5.7	6.0	4.7	5.8
PENTIUM (NJ-6401)	6.7	5.0	7.7	4.3	6.3	5.0	5.8
EP53	4.7	5.0	8.7	5.7	6.0	4.7	5.8
PREMIER	5.3	5.0	8.7	5.7	5.7	4.3	5.8
APR 1232	6.3	5.0	8.0	6.0	5.0	4.3	5.8
JET	6.0	5.0	8.0	5.7	5.3	4.7	5.8
AFFINITY	5.3	5.3	8.7	5.7	5.0	4.3	5.7
ALLSPORT	6.0	5.0	7.7	5.3	5.7	4.7	5.7
PROWLER (APR 777)	5.7	5.0	8.7	6.3	5.0	3.7	5.7
AFFIRMED	6.0	4.3	8.3	6.0	5.3	4.3	5.7
SUMMERSET (MB 413)	5.7	4.3	8.0	6.0	6.3	4.0	5.7
PROSPORT (AG-P981)	6.3	4.7	8.0	5.7	5.7	3.7	5.7
WILMINGTON	5.7	5.0	7.3	5.7	6.3	4.0	5.7
APR 1234	5.7	5.3	8.0	6.0	4.7	4.0	5.6
ABT-99-4.625	6.0	5.0	8.3	4.3	5.7	4.0	5.6
WVPB-R-84	6.7	5.0	8.3	4.0	4.7	4.3	5.5
BUCCANEER	6.0	4.7	8.3	4.0	4.7	4.0	5.3
DP 17-9496	6.3	4.3	7.3	5.7	3.3	3.7	5.1
LINN	4.7	4.7	4.7	5.3	3.3	3.0	4.3
LSD VALUE	1.2	1.3	1.2	1.2	0.9	1.0	0.5
C.V. (%)	11.8	14.9	8.9	13.1	8.9	13.6	11.6

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

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

TABLE 9.

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	MI1	MT1	NE1	NJ1	NY1	PA1	QE1	SD1	WA4	MEAN
PENTIUM (NJ-6401)	8.0	6.7	8.7	7.7	4.3	8.0	6.0	8.3	7.7	7.3
PST-2LA	7.7	7.0	9.0	7.3	4.3	8.0	6.0	7.7	8.0	7.2
SR 4500	7.7	7.0	9.0	7.0	4.3	8.7	6.0	7.0	8.0	7.2
JET	7.7	6.0	8.7	7.3	4.7	8.3	6.0	7.7	8.0	7.1
APPLAUD (PENNINGTON-11301)	7.7	6.3	9.0	7.7	4.3	8.0	6.0	7.7	7.7	7.1
ABT-99-4.834	7.7	6.0	9.0	8.0	4.7	8.0	6.0	7.0	7.7	7.1
CHARISMATIC (LTP 98-501)	8.0	6.3	9.0	6.3	4.7	8.7	6.0	7.3	7.7	7.1
ABT-99-4.464	8.0	6.0	9.0	6.7	5.7	9.0	6.0	6.3	7.0	7.1
SALINAS (PST-2SLX)	8.0	7.3	9.0	5.7	4.7	8.3	6.0	7.3	7.3	7.1
PIZZAZZ	7.7	6.3	9.0	8.0	4.3	8.0	6.0	6.7	7.7	7.1
PST-2JH	8.0	6.3	8.7	6.3	5.3	8.3	6.0	7.0	7.7	7.1
MACH 1 (ROBERTS-627)	8.0	6.3	8.5	7.3	4.3	8.0	6.0	7.3	7.7	7.1
DLF-LDD	8.0	5.7	9.0	7.3	4.3	8.0	6.0	7.3	7.7	7.0
PREMIER II	7.7	6.0	9.0	6.0	4.3	8.7	6.0	8.3	7.3	7.0
BLAZER IV (PICK MDR)	7.3	6.3	8.7	7.0	5.0	8.0	6.0	7.3	7.7	7.0
GATOR 3 (CIS-PR-85)	7.7	7.3	8.7	7.3	4.3	8.0	6.0	7.0	7.0	7.0
GRAND SLAM (EST-2L96)	7.7	6.0	9.0	6.7	5.0	7.7	6.0	7.7	7.7	7.0
RACER II (PICK RC2)	8.0	6.3	8.7	6.0	4.7	8.0	6.0	7.7	8.0	7.0
SR 4220 (SRX 4801)	8.0	5.7	9.0	7.0	4.3	8.7	6.0	7.0	7.7	7.0
CITATION FORE (PST-2BR)	7.7	5.7	9.0	6.7	4.7	8.0	6.0	7.3	8.0	7.0
PACESETTER (6011)	7.7	5.7	8.7	6.7	5.0	8.3	6.0	7.7	7.3	7.0
ABT-99-4.721	8.0	6.0	9.0	6.0	5.0	8.3	6.0	6.7	8.0	7.0
INSPIRE (R8000)	8.0	6.7	8.7	5.7	4.7	8.0	6.0	7.7	7.7	7.0
SEVILLE II	8.0	6.3	9.0	6.0	4.3	8.0	6.3	7.3	7.7	7.0
SPLENDID (MB 411)	7.7	6.7	9.0	5.7	4.3	8.7	6.0	7.0	8.0	7.0
ABT-99-4.115	7.7	6.3	8.7	7.0	4.7	8.7	6.0	6.3	7.7	7.0
HAWKEYE (SRX 4RHT)	7.7	6.3	9.0	6.0	4.7	8.0	6.0	7.7	7.7	7.0
ABT-99-4.724	7.7	5.7	9.0	6.0	5.0	8.3	5.7	7.3	8.0	7.0
CATHEDRAL II	7.7	5.7	9.0	5.3	5.0	8.3	6.0	8.0	7.7	7.0
PINNACLE II (BAR 9 B2)	8.0	6.3	9.0	6.3	4.3	8.0	6.0	7.3	7.3	7.0
ABT-99-4.560	8.0	6.0	9.0	6.0	5.0	8.0	6.0	7.0	7.7	7.0
AFFIRMED	8.0	6.3	9.0	5.3	5.0	8.3	6.0	7.0	7.7	7.0
MANHATTAN 4 (PST-2CRL)	7.0	6.3	9.0	5.0	5.0	8.7	6.3	7.3	8.0	7.0
SR 4420 (SRX 4820)	7.7	6.3	8.7	7.0	4.7	8.0	6.0	6.3	8.0	7.0
PICK PRNGS	8.0	7.0	9.0	6.3	4.0	8.3	5.7	6.7	7.7	7.0
ALL STAR2 (CIS-PR-78)	7.7	6.3	9.0	5.7	5.0	8.0	6.0	7.3	7.3	6.9
CHARGER II	8.0	6.7	9.0	5.7	4.7	8.7	6.0	6.3	7.3	6.9
MP88	7.7	6.7	9.0	5.0	5.0	7.7	6.3	7.0	8.0	6.9
PST-2RT	7.3	6.7	8.7	7.3	4.7	8.0	6.0	6.3	7.3	6.9
PST-2SBE	8.0	5.7	8.7	6.0	5.3	8.3	6.0	6.7	7.7	6.9
CIS-PR-84	7.7	6.3	8.7	6.7	5.0	8.3	6.0	6.7	7.0	6.9
SECRETARIAT	8.0	7.0	9.0	6.0	4.7	8.0	5.7	6.3	7.7	6.9
APR 1237	7.7	6.3	9.0	5.3	4.3	8.3	6.0	7.3	7.7	6.9
CHURCHILL	7.7	7.0	9.0	4.7	4.0	8.3	6.0	7.7	7.7	6.9
EXACTA	7.7	6.3	9.0	5.3	5.0	8.3	6.0	7.0	7.3	6.9
PARAGON	7.3	6.0	9.0	6.7	4.0	8.0	6.0	7.0	8.0	6.9

TABLE 9. (CONT'D) SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	MI1	MT1	NE1	NJ1	NY1	PA1	QE1	SD1	WA4	MEAN
GALLERY (MB 412)	7.3	6.7	8.7	5.7	5.0	7.7	6.0	7.0	8.0	6.9
NEXUS	8.0	6.3	8.3	6.7	4.3	7.7	6.0	7.0	7.7	6.9
PLEASURE XL	7.7	6.3	8.7	6.0	4.7	8.3	6.0	6.7	7.7	6.9
CALYPSO II	7.7	6.3	8.3	6.0	4.3	8.0	6.0	7.0	8.0	6.9
FIESTA 3	7.7	7.0	8.7	6.0	4.3	7.3	5.7	7.0	8.0	6.9
SUMMERSET (MB 413)	7.3	5.3	9.0	6.0	5.3	8.0	6.0	7.3	7.3	6.9
AMAZING (B1)	7.7	6.3	9.0	6.0	3.7	8.0	6.0	7.3	7.7	6.9
APR 1231	7.7	5.7	8.3	6.3	5.0	8.3	5.7	7.0	7.7	6.9
DP 17-9391	7.3	6.3	8.7	6.0	5.7	7.7	5.7	7.3	7.0	6.9
ELFKIN	7.7	6.7	8.3	5.3	4.7	8.0	6.0	7.0	8.0	6.9
KOKOMO (CIS-PR-69)	7.7	6.0	9.0	5.7	4.7	8.3	6.0	6.7	7.7	6.9
BRIGHTSTAR II	7.3	6.7	8.3	6.7	5.0	7.3	6.0	6.7	7.3	6.8
BRIGHTSTAR SLT (PST-2A6B)	7.7	6.3	9.0	6.0	5.0	8.0	6.0	6.7	6.7	6.8
LPR 98-144	7.3	6.7	9.0	5.3	5.0	8.3	5.7	6.7	7.3	6.8
PANTHER	7.7	6.0	9.0	5.0	4.3	8.7	6.0	6.7	8.0	6.8
PICK PR B-97	7.7	6.3	8.7	5.3	4.7	7.7	5.7	7.3	8.0	6.8
PICK PR QH-97	7.7	6.3	8.3	5.7	5.0	7.7	6.0	7.0	7.7	6.8
PROMISE	7.3	5.7	9.0	6.7	3.7	8.0	6.0	7.3	7.3	6.8
ABT-99-4.600	7.3	6.7	9.0	5.3	5.3	7.7	6.0	6.3	7.3	6.8
ABT-99-4.815	7.7	6.3	8.7	5.7	4.7	7.7	6.0	7.0	7.3	6.8
ADMIRE (JR-151)	8.0	6.7	9.0	4.3	5.0	8.0	6.0	6.3	7.7	6.8
CIS-PR-75	7.7	6.3	8.3	4.3	4.7	8.3	6.0	7.7	7.7	6.8
LTP-ME	8.0	6.3	8.3	5.3	4.3	8.3	6.0	7.0	7.3	6.8
MANHATTAN 3	8.0	6.7	8.7	5.3	4.7	8.0	6.0	7.0	6.7	6.8
MONTEREY II (JR-187)	7.7	5.7	8.7	5.3	5.7	8.3	5.7	6.3	7.7	6.8
PARADIGM (APR 1236)	7.0	6.7	9.0	6.0	4.7	7.3	6.0	6.7	7.7	6.8
PENNANT II	7.3	6.7	9.0	5.7	4.0	8.0	6.0	6.7	7.7	6.8
UT-1000 (ABT-99-4.709)	7.0	6.3	9.0	5.7	5.3	7.3	6.0	6.7	7.7	6.8
ASCEND	7.3	7.0	8.7	5.3	5.0	7.7	6.0	6.7	7.3	6.8
COURAGE (MB 410)	7.7	6.0	9.0	5.3	4.7	8.0	5.7	6.7	8.0	6.8
ABT-99-4.965	7.7	6.7	9.0	5.0	4.3	7.7	6.0	6.7	7.7	6.7
APR 1233	7.7	6.3	8.7	5.7	5.0	7.7	5.3	7.0	7.3	6.7
APR 1235	8.0	6.7	8.7	5.7	4.0	7.7	6.0	6.7	7.3	6.7
MB 414	7.3	6.3	9.0	4.7	4.7	8.0	6.0	6.7	8.0	6.7
PST-2M4	7.3	6.3	9.0	5.7	4.7	7.7	5.7	7.0	7.3	6.7
BARLENNIUM	7.7	6.3	8.7	5.3	4.0	8.3	6.0	6.7	7.7	6.7
MAJESTY	7.3	6.3	9.0	5.3	4.0	8.3	6.0	6.7	7.7	6.7
MP107	7.3	6.3	9.0	4.7	5.3	7.7	6.0	6.7	7.7	6.7
PICK PR 1-94	7.0	6.0	9.0	5.3	5.0	7.7	6.0	7.0	7.7	6.7
RADIANT	7.3	5.7	8.7	5.7	4.3	7.7	5.7	7.7	8.0	6.7
DP 17-9069	8.0	.	8.0	5.0	5.7	8.0	5.7	6.0	7.3	6.7
DIVINE	7.3	7.0	8.7	5.0	4.0	8.3	5.7	7.0	7.3	6.7
ABT-99-4.339	7.7	6.7	8.7	5.3	4.7	8.0	6.0	6.7	6.7	6.7
APR 776	7.3	6.3	9.0	5.7	5.3	8.0	4.3	6.7	7.7	6.7
EXTREME (JR-317)	7.7	6.7	8.3	4.3	5.0	8.0	5.7	7.0	7.7	6.7
LINE DRIVE	7.3	7.0	9.0	4.7	5.3	7.7	5.7	6.7	7.0	6.7
PASSPORT	7.3	6.3	9.0	5.0	4.7	7.7	5.7	7.0	7.7	6.7

TABLE 9. (CONT'D) SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/									
	MI1	MT1	NE1	NJ1	NY1	PA1	QE1	SD1	WA4	MEAN
AFFINITY	7.7	6.3	8.7	5.7	4.3	7.7	6.0	6.3	7.3	6.7
EDGE	7.7	7.0	8.0	4.0	4.3	8.7	6.0	7.0	7.3	6.7
WILMINGTON	7.7	6.3	8.3	5.0	4.7	7.7	6.0	7.3	7.0	6.7
PICK EX2	7.3	7.0	8.7	4.3	4.7	7.7	6.0	6.7	7.7	6.7
PST-2CRR	7.7	5.7	9.0	5.3	4.3	8.0	5.7	6.7	7.7	6.7
SKYHAWK	7.3	6.3	9.0	4.7	5.0	7.7	6.0	6.3	7.7	6.7
CATALINA	7.7	6.0	8.5	4.7	5.0	7.7	6.0	6.7	7.7	6.6
CABO (CIS-PR-80)	7.0	7.0	8.7	4.3	4.0	8.7	6.0	6.7	7.3	6.6
JR-128	7.0	6.0	8.7	6.0	4.3	8.0	6.0	6.7	7.0	6.6
PALMER III	7.0	6.0	9.0	5.3	5.0	8.0	6.0	6.0	7.3	6.6
PROWLER (APR 777)	7.0	6.7	8.7	4.7	5.0	7.7	5.7	6.7	7.7	6.6
CATALINA II (PST-CATS)	7.3	6.7	8.3	5.0	5.0	7.7	5.7	6.3	7.3	6.6
STELLAR (CIS-PR-72)	7.3	6.7	8.0	5.3	4.3	8.3	4.3	7.0	7.7	6.6
TERRADYNE (A5C)	7.3	6.3	8.7	4.7	4.0	8.0	5.7	6.3	8.0	6.6
ALLSPORT	7.0	6.0	8.7	4.7	4.7	8.0	5.7	6.7	7.7	6.6
APR 1232	7.3	5.7	8.7	5.3	4.3	8.0	5.3	6.7	7.7	6.6
DP LP-1	7.0	7.3	8.3	5.0	5.0	8.0	5.7	5.0	7.7	6.6
SRX 4120	7.0	7.0	8.0	4.7	5.0	8.0	6.0	5.7	7.3	6.5
BY-100	7.7	6.0	8.7	3.7	4.0	8.0	6.0	7.0	7.3	6.5
EP53	7.3	5.7	8.7	4.3	5.0	8.0	6.0	6.0	7.3	6.5
MEPY	7.3	6.3	8.7	4.0	5.0	7.7	5.7	6.3	7.3	6.5
YATSUGREEN	7.7	6.3	8.0	5.3	4.7	7.3	5.7	6.0	7.3	6.5
MDP	7.7	6.3	8.3	4.3	4.3	8.0	6.0	5.7	7.7	6.5
RACER	7.3	6.0	8.3	4.7	5.0	7.7	6.0	6.7	6.7	6.5
EPD	7.7	5.7	8.5	3.7	4.7	7.7	6.3	6.7	7.3	6.5
PHANTOM	7.0	6.3	8.7	4.0	5.7	8.0	6.0	5.7	6.7	6.4
PROSPORT (AG-P981)	7.3	6.0	8.7	4.0	4.7	7.3	6.0	6.3	7.3	6.4
KOOS R-71	7.7	6.3	8.7	4.3	5.3	7.7	6.0	5.3	6.3	6.4
SUPERSTAR (EP57)	7.3	6.0	8.5	4.0	4.0	8.0	6.0	5.7	7.7	6.4
CAS-LP84	7.0	6.0	8.7	3.7	4.7	8.0	6.0	6.3	6.7	6.3
LPR 98-143	7.7	6.0	8.3	4.3	4.0	7.3	5.7	7.0	6.7	6.3
APR 1234	7.0	5.7	8.0	5.7	4.7	8.3	5.7	5.0	6.7	6.3
WVPB-R-82	7.3	7.3	8.0	3.3	4.7	7.7	6.0	5.3	7.0	6.3
WVPB-R-84	7.3	7.0	8.7	5.0	4.7	7.3	4.0	6.0	6.7	6.3
HEADSTART	7.0	5.7	8.3	3.3	4.7	7.7	6.0	6.0	7.3	6.2
ABT-99-4.625	7.3	6.3	8.7	4.7	3.3	7.3	4.3	6.3	7.0	6.1
MP103	7.7	6.0	8.3	3.7	4.0	7.0	5.7	5.3	7.7	6.1
BUCCANEER	7.0	7.0	8.0	4.0	5.0	7.0	4.3	5.7	6.7	6.1
PREMIER	7.3	6.0	8.3	2.7	4.7	7.7	5.7	5.0	7.0	6.0
DP 17-9496	7.0	6.3	7.3	2.0	4.3	7.0	6.0	4.3	7.0	5.7
LINN	6.0	6.7	5.0	1.0	4.3	6.3	5.0	3.7	6.0	4.9
LSD VALUE	0.8	1.3	0.7	1.7	1.3	1.0	1.0	1.1	1.1	0.4
C.V. (%)	6.4	12.9	5.1	19.2	17.0	7.7	10.7	10.1	8.9	10.5

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

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

TABLE 10. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	CA6	MI1	NE1	NJ2	QE1	WA4	WI1	MEAN
MACH 1 (ROBERTS-627)	8.3	7.3	9.0	8.3	6.0	8.0	7.3	7.8
APPLAUD (PENNINGTON-11301)	8.3	7.7	8.3	7.7	6.0	8.0	7.0	7.6
DLF-IDD	8.0	7.3	9.0	7.3	6.0	8.0	6.7	7.5
GATOR 3 (CIS-PR-85)	8.7	7.0	9.0	6.3	6.0	8.0	7.0	7.4
PICK PRNGS	8.3	7.3	8.7	6.7	6.0	8.0	7.0	7.4
CHARISMATIC (LTP 98-501)	8.3	7.3	8.3	7.3	6.0	8.0	6.7	7.4
PST-2M4	8.3	7.0	9.0	6.3	6.0	8.0	7.0	7.4
SR 4220 (SRX 4801)	8.3	7.3	9.0	6.0	6.0	8.0	7.0	7.4
ABT-99-4.721	8.7	7.3	8.7	5.3	6.3	8.0	7.3	7.4
SR 4500	9.0	6.7	8.7	6.3	6.0	8.0	6.7	7.3
AMAZING (B1)	8.0	7.0	9.0	7.0	6.0	7.7	6.7	7.3
MANHATTAN 4 (PST-2CRL)	8.7	7.7	9.0	5.3	6.0	8.0	6.7	7.3
YATSUGREEN	8.7	7.0	9.0	6.3	5.7	7.7	7.0	7.3
ABT-99-4.464	8.3	6.3	8.3	7.0	6.0	8.0	7.0	7.3
SEVILLE II	8.3	6.7	9.0	6.7	6.3	7.7	6.3	7.3
ABT-99-4.115	8.0	6.7	8.3	7.0	6.0	8.0	6.7	7.2
ABT-99-4.834	8.3	6.3	8.7	6.7	6.0	8.0	6.7	7.2
CITATION FORE (PST-2BR)	8.0	7.0	8.7	6.7	6.0	8.0	6.3	7.2
JET	8.3	5.7	9.0	7.0	6.0	8.0	6.7	7.2
PACESETTER (6011)	8.0	7.0	8.7	6.0	6.0	8.0	7.0	7.2
PANTHER	8.7	7.0	9.0	5.7	6.0	8.0	6.3	7.2
PENTIUM (NJ-6401)	8.0	7.3	8.3	7.0	6.0	8.0	6.0	7.2
PST-2LA	8.7	7.3	8.7	5.3	6.0	8.0	6.7	7.2
ABT-99-4.724	8.3	6.3	9.0	5.7	6.0	8.0	7.0	7.2
CIS-PR-75	8.3	7.0	8.3	5.7	6.0	8.0	7.0	7.2
HAWKEYE (SRX 4RHT)	7.7	7.0	8.3	6.0	6.0	8.0	7.3	7.2
PICK EX2	8.3	7.0	8.3	6.3	6.0	8.0	6.3	7.2
SALINAS (PST-2SLX)	8.3	7.0	8.7	5.7	6.0	8.0	6.7	7.2
ALL STAR2 (CIS-PR-78)	7.7	6.3	9.0	7.0	6.0	7.7	6.7	7.2
INSPIRE (R8000)	8.3	6.7	8.7	6.0	6.0	8.0	6.7	7.2
PLEASURE XL	8.7	7.3	9.0	4.3	6.0	8.0	7.0	7.2
BRIGHTSTAR SLT (PST-2A6B)	8.3	7.0	8.7	5.7	6.0	8.0	6.3	7.1
DP LP-1	8.3	7.0	8.7	5.7	6.0	8.0	6.3	7.1
FIESTA 3	8.3	6.7	9.0	5.7	6.0	8.0	6.3	7.1
GRAND SLAM (PST-2L96)	8.0	6.7	8.3	6.7	6.0	8.0	6.3	7.1
ABT-99-4.560	8.3	7.0	8.7	6.0	6.0	8.0	6.0	7.1
ABT-99-4.815	7.7	7.0	9.0	5.7	6.0	8.0	6.7	7.1
CATHEDRAL II	8.7	6.7	9.0	5.3	6.0	8.0	6.3	7.1
KOKOMD (CIS-PR-69)	8.3	7.0	8.0	6.7	6.0	8.0	6.0	7.1
PINNACLE II (BAR 9 B2)	8.0	6.7	7.7	6.7	6.3	8.0	6.7	7.1
RACER II (PICK RC2)	7.3	7.0	8.0	7.7	6.0	8.0	6.0	7.1
CATALINA II (PST-CATS)	8.3	7.0	8.7	5.3	6.0	8.0	6.7	7.1
DIVINE	8.3	6.7	8.7	5.7	6.0	8.0	6.7	7.1
DP 17-9069	8.7	6.7	8.7	5.3	6.0	8.0	6.7	7.1
PREMIER II	8.0	7.3	8.7	5.7	5.7	7.3	7.0	7.1
SUMMERSET (MB 413)	8.7	6.7	8.7	4.7	6.0	8.0	7.0	7.1

TABLE 10. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	CA6	MI1	NE1	NJ2	QE1	WA4	WI1	MEAN
APR 1231	8.3	6.7	9.0	6.0	5.3	7.7	6.7	7.1
MONTEREY II (JR-187)	8.0	7.0	9.0	5.0	6.0	8.0	6.7	7.1
PALMER III	8.0	6.7	8.7	5.7	6.0	8.0	6.7	7.1
PICK PR B-97	8.0	6.7	9.0	5.3	6.0	8.0	6.7	7.1
SR 4420 (SRX 4820)	8.0	6.7	9.0	5.3	6.0	8.0	6.7	7.1
SECRETARIAT	8.3	6.7	8.7	5.7	6.0	7.7	6.7	7.1
AFFIRMED	8.0	6.7	8.3	5.7	6.0	8.0	6.7	7.0
CALYESO II	8.0	6.7	9.0	5.7	6.0	8.0	6.0	7.0
CHARGER II	8.7	6.7	8.7	5.0	6.0	8.0	6.3	7.0
CIS-ER-84	7.7	6.7	9.0	6.0	6.0	8.0	6.0	7.0
COURAGE (MB 410)	7.0	6.7	9.0	6.0	6.0	8.0	6.7	7.0
MP88	7.7	7.3	9.0	5.0	6.0	8.0	6.3	7.0
ABT-99-4.339	8.3	6.7	8.0	6.3	6.0	7.7	6.3	7.0
GALLERY (MB 412)	7.3	7.0	9.0	5.3	5.7	8.0	7.0	7.0
MAJESTY	7.7	6.3	9.0	5.3	6.0	8.0	7.0	7.0
PIZZAZZ	6.3	6.3	9.0	7.0	6.0	8.0	6.7	7.0
PST-2RT	7.7	6.7	8.7	6.3	6.0	7.7	6.3	7.0
BLAZER IV (PICK MDR)	8.0	6.7	8.3	5.7	6.0	8.0	6.3	7.0
AFFINITY	8.7	6.0	8.7	6.0	5.7	7.3	6.7	7.0
APR 1232	8.0	6.7	8.3	5.7	5.7	8.0	6.7	7.0
APR 1233	8.0	6.7	8.7	5.0	6.0	8.0	6.7	7.0
ASCEND	7.7	6.7	9.0	5.0	6.0	8.0	6.7	7.0
KOOS R-71	8.7	7.0	9.0	5.0	5.3	7.7	6.3	7.0
PENNANT II	8.0	6.7	8.7	5.0	6.0	8.0	6.7	7.0
PROMISE	8.0	6.0	8.7	6.0	6.0	8.0	6.3	7.0
ADMIRE (JR-151)	8.0	6.7	8.7	6.0	5.3	7.7	6.3	7.0
BARLENNIUM	8.0	7.0	8.3	5.0	6.0	8.0	6.3	7.0
JR-128	8.0	6.7	9.0	5.0	6.0	8.0	6.0	7.0
APR 1237	7.7	6.7	8.0	5.3	6.3	7.7	7.0	7.0
BY-100	8.0	6.7	8.7	6.3	5.3	8.0	5.7	7.0
DP 17-9391	8.3	6.7	8.3	4.7	6.0	8.0	6.7	7.0
LPR 98-144	8.0	6.7	8.7	4.7	6.0	7.7	7.0	7.0
MANHATTAN 3	8.3	7.0	8.7	5.0	6.0	8.0	5.7	7.0
PARAGON	8.3	6.7	8.0	5.3	6.0	8.0	6.3	7.0
PHANTOM	8.7	7.3	8.7	3.7	6.0	8.0	6.3	7.0
SKYHAWK	7.7	7.3	9.0	4.3	6.0	8.0	6.3	7.0
EXTREME (JR-317)	8.3	6.7	9.0	4.3	6.0	7.7	6.7	7.0
APR 776	7.7	7.0	9.0	4.7	6.0	8.0	6.0	6.9
BRIGHTSTAR II	8.0	7.0	8.7	4.3	6.0	8.0	6.3	6.9
HEADSTART	8.3	7.0	8.0	4.3	6.0	8.0	6.7	6.9
LINE DRIVE	7.7	7.0	7.7	5.0	6.0	8.0	7.0	6.9
PICK PR 1-94	8.0	6.3	9.0	4.7	6.0	8.0	6.3	6.9
RADIANT	8.0	6.7	8.7	4.3	6.0	8.0	6.7	6.9
PICK PR QH-97	7.7	6.3	8.7	5.0	6.0	8.0	6.7	6.9
CATALINA	8.0	6.7	8.5	4.7	6.0	8.0	6.3	6.9
PST-2JH	7.3	7.3	8.3	5.7	6.0	7.3	6.0	6.9
TERRADYNE (A5C)	8.0	6.7	8.7	4.3	6.0	8.0	6.3	6.9

TABLE 10. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
NAME	CA6	MI1	NE1	NJ2	QE1	WA4	WI1	MEAN
EXACTA	8.0	6.7	8.0	5.0	6.0	7.7	6.7	6.9
MDP	8.0	6.3	8.7	4.3	6.0	8.0	6.7	6.9
EDGE	8.3	7.0	9.0	4.7	5.3	7.3	6.0	6.8
PST-2SBE	7.7	6.7	8.3	4.7	6.0	8.0	6.3	6.8
SPLENDID (MB 411)	7.0	7.0	8.0	5.7	5.7	8.0	6.3	6.8
CAS-IP84	8.0	6.7	9.0	3.3	6.0	8.0	6.7	6.8
EP53	7.3	7.0	8.7	4.0	6.0	7.7	7.0	6.8
MP107	7.3	6.7	9.0	4.3	6.0	8.0	6.3	6.8
PASSPORT	8.0	7.0	8.7	3.7	5.3	8.0	7.0	6.8
PROSFORT (AG-P981)	8.0	6.0	9.0	4.0	6.0	8.0	6.7	6.8
STELIAR (CIS-PR-72)	8.0	6.3	7.7	5.3	6.0	8.0	6.3	6.8
UT-1000 (ABT-99-4.709)	7.3	6.7	9.0	4.3	6.0	8.0	6.3	6.8
WVPB-R-84	8.7	7.0	9.0	3.0	5.7	8.0	6.3	6.8
CABO (CIS-PR-80)	7.0	7.3	8.7	4.7	6.0	8.0	5.7	6.8
LPR 98-143	8.0	6.7	8.7	3.7	6.0	8.0	6.3	6.8
MEPY	7.3	7.0	8.7	4.3	5.7	8.0	6.3	6.8
MP103	7.7	7.0	8.3	4.0	6.0	8.0	6.3	6.8
SRX 4120	8.3	6.7	7.7	5.0	5.7	8.0	6.0	6.8
BUCCANEER	8.0	7.0	9.0	4.0	5.7	7.7	6.0	6.8
PST-2CRR	8.0	7.0	8.7	4.0	5.7	8.0	6.0	6.8
ABT-99-4.600	7.7	6.3	8.7	4.3	6.0	7.7	6.3	6.7
APR 1235	8.3	6.0	8.7	4.0	6.0	7.7	6.3	6.7
CHURCHILL	7.3	7.0	8.3	4.3	6.0	8.0	6.0	6.7
ELFKIN	7.7	6.7	8.0	4.7	6.0	7.3	6.7	6.7
LTP-ME	7.3	6.3	8.7	4.7	6.0	8.0	6.0	6.7
MB 414	8.0	6.7	7.5	4.0	6.0	8.0	6.7	6.7
ABT-99-4.965	8.0	6.7	9.0	3.0	6.0	7.7	6.3	6.7
PREMIER	8.3	6.0	9.0	4.0	5.3	7.7	6.3	6.7
EPD	8.3	6.7	7.0	3.7	6.3	7.7	7.0	6.7
NEXUS	7.3	6.3	7.7	5.0	6.0	8.0	6.3	6.7
PROWLER (APR 777)	8.0	6.3	9.0	4.3	5.3	7.7	6.0	6.7
PARADIGM (APR 1236)	8.0	6.0	8.3	4.3	6.0	8.0	5.7	6.6
WVPB-R-82	7.7	7.0	9.0	2.7	6.0	7.3	6.7	6.6
SUPERSTAR (EP57)	8.3	6.0	8.5	4.0	6.0	8.0	5.3	6.6
WILMINGTON	8.3	6.3	8.7	2.7	5.7	8.0	6.3	6.6
ABT-99-4.625	7.3	6.0	9.0	4.3	6.0	7.3	6.0	6.6
ALLSPORT	7.7	6.0	8.7	3.7	6.0	7.7	6.3	6.6
RACER	7.7	6.7	7.3	3.7	6.0	7.7	6.7	6.5
DP 17-9496	8.7	6.3	8.7	3.7	5.3	7.0	5.7	6.5
APR 1234	7.0	6.0	9.0	3.7	5.7	7.0	6.0	6.3
LINN	7.7	5.7	9.0	1.0	5.0	7.0	3.7	5.6
LSD VALUE	1.1	0.9	0.9	1.8	0.4	0.5	1.1	0.4
C.V. (%)	8.7	8.4	6.1	21.0	4.6	3.7	10.6	9.2

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 11. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	MIL	NY2	QE1	SD1	MEAN
APPLAUD (PENNINGTON-11301)	97.7	85.0	63.3	88.3	90.0	84.9
PST-2JH	95.3	88.3	66.7	91.7	81.7	84.7
CITATION FORE (PST-2BR)	99.0	86.7	70.0	90.0	76.7	84.5
ELFKIN	96.0	83.3	66.7	86.7	88.3	84.2
PENTIUM (NJ-6401)	97.7	86.7	66.7	90.0	80.0	84.2
PARAGON	98.3	83.3	68.3	88.3	81.7	84.0
INSPIRE (R8000)	98.0	85.0	70.0	85.0	81.7	83.9
AFFIRMED	96.3	85.0	68.3	90.0	80.0	83.9
PACESETTER (6011)	97.7	85.0	70.0	90.0	76.7	83.9
ADMIRE (JR-151)	94.0	86.7	66.7	90.0	81.7	83.8
EXACTA	95.7	85.0	65.0	88.3	85.0	83.8
MACH 1 (ROBERTS-627)	98.7	85.0	68.3	86.7	80.0	83.7
APR 1237	98.7	83.3	68.3	85.0	83.3	83.7
EDGE	88.3	86.7	70.0	88.3	85.0	83.7
ABT-99-4.115	92.7	85.0	68.3	85.0	86.7	83.5
KOKOMO (CIS-PR-69)	95.7	81.7	68.3	93.3	78.3	83.5
CATHEDRAL II	93.7	81.7	68.3	90.0	83.3	83.4
PICK EX2	95.3	85.0	66.7	91.7	78.3	83.4
PIZZAZZ	98.3	85.0	63.3	90.0	80.0	83.3
ABT-99-4.724	97.7	83.3	70.0	81.7	83.3	83.2
ABT-99-4.464	95.7	80.0	70.0	83.3	86.7	83.1
ABT-99-4.721	98.7	86.7	66.7	85.0	78.3	83.1
BLAZER IV (PICK MDR)	93.7	83.3	68.3	90.0	80.0	83.1
ABT-99-4.834	98.3	86.7	68.3	86.7	75.0	83.0
LTP-ME	86.7	85.0	68.3	80.0	95.0	83.0
MONTEREY II (JR-187)	94.7	85.0	66.7	86.7	81.7	82.9
ABT-99-4.815	93.0	85.0	68.3	90.0	78.3	82.9
MAJESTY	99.0	81.7	66.7	88.3	78.3	82.8
PREMIER II	93.7	83.3	66.7	88.3	81.7	82.7
SECRETARIAT	95.3	85.0	63.3	88.3	81.7	82.7
SEVILLE II	91.7	85.0	66.7	90.0	80.0	82.7
LPR 98-143	94.7	80.0	70.0	88.3	80.0	82.6
SRX 4120	89.7	83.3	70.0	85.0	85.0	82.6
SR 4500	97.7	83.3	68.3	90.0	73.3	82.5
DIVINE	99.0	85.0	66.7	90.0	71.7	82.5
DP LP-1	90.7	85.0	66.7	88.3	81.7	82.5
DLF-LDD	98.7	86.7	61.7	86.7	78.3	82.4
PST-2RT	98.7	81.7	66.7	85.0	80.0	82.4
AMAZING (B1)	96.7	86.7	65.0	81.7	81.7	82.3
MANHATTAN 3	88.3	86.7	63.3	91.7	81.7	82.3
WVPB-R-84	88.3	81.7	70.0	88.3	83.3	82.3
APR 776	97.7	85.0	61.7	85.0	81.7	82.2
ABT-99-4.560	94.0	88.3	71.7	85.0	71.7	82.1
BRIGHTSTAR II	97.3	86.7	66.7	83.3	76.7	82.1
MP107	94.0	85.0	68.3	78.3	85.0	82.1
EXTREME (JR-317)	93.3	85.0	70.0	80.0	81.7	82.0
MP103	93.3	78.3	66.7	88.3	83.3	82.0

TABLE 11. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	MIL	NY2	QE1	SD1	MEAN
CHURCHILL	96.3	83.3	66.7	86.7	76.7	81.9
PENNANT II	91.3	86.7	68.3	91.7	71.7	81.9
SR 4220 (SRX 4801)	96.0	88.3	63.3	86.7	75.0	81.9
EPD	94.0	85.0	65.0	86.7	78.3	81.8
PST-2IA	95.3	88.3	68.3	83.3	73.3	81.7
PARADIGM (APR 1236)	96.7	80.0	66.7	81.7	83.3	81.7
DP 17-9391	86.7	83.3	71.7	83.3	83.3	81.7
JR-128	96.7	83.3	68.3	83.3	76.7	81.7
PST-2M4	96.0	80.0	71.7	81.7	78.3	81.5
SR 4420 (SRX 4820)	97.7	85.0	58.3	86.7	80.0	81.5
AFFINITY	97.3	78.3	65.0	90.0	76.7	81.5
APR 1232	95.7	81.7	68.3	83.3	78.3	81.5
PANTHER	87.3	85.0	66.7	86.7	81.7	81.5
GRAND SLAM (PST-2L96)	96.3	81.7	67.5	86.7	75.0	81.4
FIESTA 3	95.0	83.3	68.3	90.0	70.0	81.3
CHARISMATIC (LTP 98-501)	96.3	83.3	61.7	85.0	80.0	81.3
LPR 98-144	84.7	85.0	70.0	83.3	83.3	81.3
SALINAS (PST-2SLX)	96.3	85.0	65.0	88.3	71.7	81.3
BRIGHTSTAR SLT (PST-2A6B)	94.3	86.7	65.0	85.0	75.0	81.2
SKYHAWK	94.3	88.3	60.0	81.7	81.7	81.2
MP88	97.3	86.7	65.0	80.0	76.7	81.1
MANHATTAN 4 (PST-2CRL)	98.3	86.7	68.3	80.0	71.7	81.0
YATSUGREEN	88.3	83.3	65.0	88.3	80.0	81.0
JET	95.0	78.3	68.3	85.0	78.3	81.0
BY-100	99.0	83.3	66.7	88.3	66.7	80.8
PINNACLE II (BAR 9 E2)	92.0	80.0	66.7	85.0	80.0	80.7
APR 1235	95.3	80.0	68.3	86.7	73.3	80.7
PICK PR B-97	95.3	78.3	66.7	83.3	80.0	80.7
HAWKEYE (SRX 4RHT)	95.0	85.0	60.0	81.7	81.7	80.7
COURAGE (MB 410)	96.3	85.0	65.0	86.7	70.0	80.6
DP 17-9069	93.0	81.7	70.0	83.3	75.0	80.6
RADIANT	96.3	81.7	65.0	81.7	78.3	80.6
ALL STAR2 (CIS-PR-78)	95.3	81.7	63.3	85.0	76.7	80.4
BUCCANEER	91.7	81.7	65.0	85.0	78.3	80.3
STELLAR (CIS-PR-72)	93.3	80.0	60.0	85.0	83.3	80.3
SUPERSTAR (EP57)	91.3	86.7	66.7	81.7	75.0	80.3
ASCEND	91.3	80.0	71.7	85.0	73.3	80.3
MEPY	92.7	83.3	65.0	81.7	78.3	80.2
PROWLER (APR 777)	92.3	81.7	66.7	86.7	73.3	80.1
WVPB-R-82	82.3	88.3	63.3	86.7	80.0	80.1
APR 1231	92.0	86.7	66.7	85.0	70.0	80.1
GATOR 3 (CIS-PR-85)	97.0	86.7	65.0	80.0	71.7	80.1
CIS-PR-84	95.3	83.3	68.3	83.3	70.0	80.1
PLEASURE XL	96.7	81.7	68.3	83.3	70.0	80.0
ABT-99-4.339	93.0	81.7	65.0	85.0	75.0	79.9
APR 1233	93.0	83.3	63.3	83.3	76.7	79.9
BARLENNIUM	91.3	86.7	66.7	85.0	70.0	79.9

TABLE 11. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/						
NAME	KY1	MI1	NY2	QE1	SD1	MEAN
PST-2SBE	94.7	81.7	70.0	88.3	65.0	79.9
NEXUS	94.3	81.7	66.7	80.0	76.7	79.9
CALYPSO II	92.7	83.3	65.0	85.0	73.3	79.9
ABT-99-4.965	87.3	85.0	63.3	78.3	85.0	79.8
EP53	92.3	83.3	68.3	86.7	68.3	79.8
HEADSTART	87.3	81.7	65.0	85.0	80.0	79.8
RACER II (PICK RC2)	94.0	85.0	66.7	75.0	78.3	79.8
ABT-99-4.625	93.7	81.7	66.7	80.0	76.7	79.7
GALLERY (MB 412)	95.3	85.0	65.0	80.0	73.3	79.7
PROMISE	93.7	83.3	61.7	86.7	73.3	79.7
PST-2CRR	86.7	83.3	66.7	86.7	75.0	79.7
CAS-LP84	96.3	83.3	65.0	85.0	68.3	79.6
LINE DRIVE	96.0	81.7	66.7	86.7	66.7	79.5
PALMER III	86.0	80.0	63.3	86.7	81.7	79.5
CATALINA	80.7	86.7	68.3	86.7	75.0	79.5
PICK PRNGS	96.7	78.3	66.7	76.7	78.3	79.3
PREMIER	85.0	78.3	65.0	88.3	80.0	79.3
ABT-99-4.600	88.0	80.0	65.0	88.3	75.0	79.3
CABO (CIS-PR-80)	90.7	81.7	68.3	86.7	68.3	79.1
SPLendid (MB 411)	95.7	83.3	63.3	83.3	70.0	79.1
SUMMERSET (MB 413)	96.7	75.0	61.7	88.3	73.3	79.0
UT-1000 (ABT-99-4.709)	96.3	78.3	68.3	83.3	68.3	78.9
WILMINGTON	94.3	80.0	65.0	85.0	70.0	78.9
CATALINA II (PST-CATS)	92.0	85.0	73.3	78.3	65.0	78.7
PHANTOM	83.3	80.0	70.0	86.7	73.3	78.7
PASSPORT	75.7	86.7	68.3	85.0	76.7	78.5
RACER	97.3	78.3	66.7	86.7	63.3	78.5
CIS-PR-75	91.7	83.3	65.0	80.0	71.7	78.3
DP 17-9496	76.7	80.0	68.3	90.0	76.7	78.3
PICK PR 1-94	95.0	81.7	56.7	85.0	73.3	78.3
CHARGER II	88.3	83.3	65.0	85.0	70.0	78.3
PICK PR QH-97	92.0	83.3	65.0	86.7	63.3	78.1
MDP	95.0	81.7	66.7	68.3	78.3	78.0
KOOS R-71	86.3	85.0	71.7	80.0	66.7	77.9
TERRADYNE (A5C)	87.0	83.3	65.0	80.0	71.7	77.4
ALLSPORT	91.3	81.7	70.0	80.0	63.3	77.3
MB 414	92.3	83.3	63.3	78.3	61.7	75.8
PROSPORT (AG-P981)	84.0	81.7	68.3	83.3	60.0	75.5
APR 1234	89.7	78.3	63.3	80.0	65.0	75.3
LINN	14.3	75.0	63.3	90.0	73.3	63.2
LSD VALUE	8.3	6.4	8.7	8.8	17.3	4.8
C.V. (%)	5.6	4.8	8.2	6.4	14.1	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 12.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	KY1	MI1	NY2	MEAN	NAME	KY1	MI1	NY2	MEAN
CITATION FORE (PST-2BR)	88.0	86.7	60.0	78.2	PST-2RT	77.3	78.3	60.0	71.9
GRAND SLAM (PST-2L96)	93.0	80.0	60.0	77.7	PACESETTER (6011)	75.0	85.0	55.0	71.7
ADMIRE (JR-151)	90.7	83.3	58.3	77.4	PST-2M4	76.7	83.3	55.0	71.7
BRIGHTSTAR SLT (PST-2A6B)	85.0	85.0	58.3	76.1	COURAGE (MB 410)	70.0	83.3	61.7	71.7
RACER II (PICK RC2)	82.3	81.7	63.3	75.8	PARAGON	80.0	83.3	51.7	71.7
SECRETARIAT	85.7	85.0	56.7	75.8	SEVILLE II	68.3	85.0	61.7	71.7
SRX 4120	85.7	83.3	58.3	75.8	APR 1235	78.3	76.7	58.3	71.1
MANHATTAN 4 (PST-2CRL)	80.0	88.3	58.3	75.6	CATHEDRAL II	71.7	81.7	60.0	71.1
ABT-99-4.339	84.0	81.7	60.0	75.2	FIESTA 3	75.0	81.7	56.7	71.1
APR 1233	84.7	81.7	58.3	74.9	MAJESTY	76.7	81.7	55.0	71.1
JR-128	82.3	78.3	63.3	74.7	PICK PR 1-94	75.0	81.7	56.7	71.1
PARADIGM (APR 1236)	85.7	78.3	60.0	74.7	EXTREME (JR-317)	73.3	83.3	56.7	71.1
CATALINA II (PST-CATS)	80.0	81.7	61.7	74.4	APR 1237	82.3	78.3	51.7	70.8
UT-1000 (ABT-99-4.709)	80.0	80.0	63.3	74.4	PLEASURE XL	77.3	80.0	55.0	70.8
ASCEND	84.3	81.7	56.7	74.2	AFFIRMED	73.3	81.7	56.7	70.6
DP 17-9391	77.3	80.0	65.0	74.1	AMAZING (B1)	75.0	85.0	51.7	70.6
PICK EX2	76.7	86.7	58.3	73.9	CALYPSO II	75.0	81.7	55.0	70.6
BY-100	78.3	81.7	61.7	73.9	CHURCHILL	75.0	80.0	56.7	70.6
CHARGER II	85.0	80.0	56.7	73.9	CIS-PR-75	76.7	81.7	53.3	70.6
GALLERY (MB 412)	81.7	83.3	56.7	73.9	DLF-LDD	76.7	85.0	50.0	70.6
PST-2JH	78.3	85.0	58.3	73.9	MEPY	63.3	81.7	66.7	70.6
SR 4500	83.3	80.0	58.3	73.9	RACER	80.0	78.3	53.3	70.6
ABT-99-4.464	80.7	78.3	61.7	73.6	SUPERSTAR (EP57)	73.3	81.7	56.7	70.6
ABT-99-4.721	75.7	85.0	60.0	73.6	PREMIER II	76.3	80.0	55.0	70.4
DIVINE	85.7	80.0	55.0	73.6	APR 1234	74.3	76.7	60.0	70.3
PROWLER (APR 777)	82.3	78.3	60.0	73.6	PST-2SBE	80.0	76.7	53.3	70.0
SALINAS (PST-2SLX)	75.7	81.7	63.3	73.6	RADIANT	75.0	76.7	58.3	70.0
APR 1232	78.3	80.0	61.7	73.3	ABT-99-4.625	76.7	78.3	55.0	70.0
KOOS R-71	76.7	83.3	60.0	73.3	KOKOMO (CIS-PR-69)	66.7	81.7	61.7	70.0
BRIGHTSTAR II	77.3	85.0	56.7	73.0	PROSPORT (AG-P981)	68.3	81.7	60.0	70.0
ABT-99-4.724	76.7	83.3	58.3	72.8	SKYHAWK	66.7	86.7	56.7	70.0
CHARISMATIC (LTP 98-501)	76.7	83.3	58.3	72.8	SR 4220 (SRX 4801)	68.3	83.3	58.3	70.0
EXACTA	81.7	81.7	55.0	72.8	STELLAR (CIS-PR-72)	81.7	76.7	51.7	70.0
PASSPORT	75.0	85.0	58.3	72.8	WVPB-R-84	68.3	80.0	61.7	70.0
SPLENDID (MB 411)	76.7	81.7	60.0	72.8	ABT-99-4.834	73.3	81.7	53.3	69.4
SR 4420 (SRX 4820)	76.7	83.3	58.3	72.8	LTP-ME	65.0	80.0	63.3	69.4
AFFINITY	78.3	80.0	60.0	72.8	PICK PR QH-97	68.3	81.7	58.3	69.4
ABT-99-4.115	77.3	81.7	58.3	72.4	PST-2LA	66.7	86.7	53.3	68.9
ELFKIN	79.0	81.7	56.7	72.4	YATSUGREEN	66.7	80.0	60.0	68.9
PENTIUM (NJ-6401)	75.7	83.3	58.3	72.4	APPLAUD (PENNINGTON-11301)	75.0	80.0	51.7	68.9
PIZZAZZ	82.3	83.3	51.7	72.4	CATALINA	68.3	85.0	53.3	68.9
ABT-99-4.600	80.0	81.7	55.0	72.2	EDGE	65.0	83.3	58.3	68.9
BLAZER IV (PICK MDR)	80.0	81.7	55.0	72.2	PALMER III	68.3	78.3	60.0	68.9
APR 1231	68.3	83.3	65.0	72.2	PST-2CRR	65.0	83.3	58.3	68.9
INSPIRE (R8000)	79.0	81.7	55.0	71.9	GATOR 3 (CIS-PR-85)	78.0	76.7	51.7	68.8
PICK FRNGS	84.0	76.7	55.0	71.9	ABT-99-4.965	75.0	81.7	48.3	68.3
PENNANT II	77.3	83.3	55.0	71.9	ALL STAR2 (CIS-PR-78)	66.7	80.0	58.3	68.3

TABLE 12. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/				
NAME	KYL	MI1	NY2	MEAN
BUCCANEER	66.7	78.3	60.0	68.3
EPD	65.0	85.0	55.0	68.3
MONTEREY II (JR-187)	65.0	83.3	56.7	68.3
NEXUS	71.7	81.7	51.7	68.3
TERRADYNE (A5C)	76.7	81.7	46.7	68.3
WILMINGTON	68.3	78.3	58.3	68.3
WVPB-R-82	55.0	88.3	61.7	68.3
ABT-99-4.815	58.3	85.0	60.0	67.8
CABO (CIS-PR-80)	66.7	80.0	56.7	67.8
LINE DRIVE	61.7	78.3	63.3	67.8
MP88	58.3	85.0	60.0	67.8
LPR 98-144	68.3	80.0	55.0	67.8
MP107	60.0	83.3	60.0	67.8
APR 776	68.0	80.0	55.0	67.7
DP 17-9069	55.0	81.7	65.0	67.2
ABT-99-4.560	63.3	83.3	55.0	67.2
ALLSPORT	68.3	76.7	56.7	67.2
HAWKEYE (SRX 4RHT)	68.3	81.7	51.7	67.2
HEADSTART	66.7	78.3	56.7	67.2
MACH 1 (ROBERTS-627)	66.7	83.3	51.7	67.2
MB 414	68.3	80.0	53.3	67.2
PICK PR B-97	70.7	78.3	51.7	66.9
JET	76.7	75.0	48.3	66.7
LPR 98-143	71.7	76.7	51.7	66.7
PROMISE	71.7	78.3	50.0	66.7
PHANTOM	65.0	78.3	56.7	66.7
BARLENNIUM	66.7	83.3	48.3	66.1
MANHATTAN 3	61.7	81.7	55.0	66.1
PANTHER	53.3	83.3	61.7	66.1
MP103	60.0	76.7	58.3	65.0
EP53	58.3	78.3	58.3	65.0
MDP	63.3	78.3	53.3	65.0
DP LP-1	55.0	81.7	56.7	64.4
PREMIER	60.0	76.7	56.7	64.4
SUMMERSET (MB 413)	63.3	73.3	53.3	63.3
CIS-PR-84	61.7	78.3	48.3	62.8
DP 17-9496	55.0	75.0	58.3	62.8
PINNACLE II (BAR 9 B2)	68.3	76.7	43.3	62.8
CAS-LP84	51.7	81.7	53.3	62.2
LINN	10.3	63.3	50.0	41.2
LSD VALUE	20.9	9.2	14.4	9.0
C.V. (%)	17.9	7.1	15.7	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 13.

PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	KY1	MI1	NY2	SD1	MEAN	NAME	KY1	MI1	NY2	SD1	MEAN
MANHATTAN 4 (PST-2CRL)	91.3	90.0	61.7	94.3	84.3	KOOS R-71	73.3	85.0	61.7	93.0	78.3
CITATION FORE (PST-2BR)	88.7	85.0	65.0	96.3	83.8	APPLAUD (PENNINGTON-11301)	80.0	80.0	55.0	97.7	78.2
CHARGER II	90.0	83.3	70.0	88.3	82.9	APR 1233	79.7	83.3	58.3	91.3	78.2
RACER II (PICK RC2)	89.0	83.3	58.3	99.0	82.4	ABT-99-4.724	73.3	85.0	61.7	92.7	78.2
AMAZING (B1)	91.0	86.7	51.7	97.7	81.8	AFFINITY	86.0	80.0	53.3	93.0	78.1
DP 17-9391	73.3	83.3	70.0	97.7	81.1	EST-2JH	79.0	85.0	55.0	93.3	78.1
SR 4420 (SRX 4820)	80.0	88.3	60.0	96.0	81.1	EENNANT II	75.7	85.0	58.3	93.0	78.0
CALYPSO II	89.3	83.3	55.0	96.3	81.0	SKYHAWK	72.3	86.7	56.7	96.3	78.0
PARADIGM (AER 1236)	89.7	81.7	55.0	97.7	81.0	STELLAR (CIS-PR-72)	80.7	80.0	56.7	94.7	78.0
ABT-99-4.339	87.3	81.7	58.3	96.3	80.9	CATHEDRAL II	75.7	83.3	53.3	99.0	77.8
ABT-99-4.721	81.0	83.3	63.3	96.0	80.9	MP88	76.7	83.3	58.3	93.0	77.8
BRIGHTSTAR SLT (PST-2A6B)	92.3	86.7	51.7	93.0	80.9	PIZZAZZ	76.7	86.7	53.3	94.7	77.8
PICK EX2	88.0	86.7	53.3	94.7	80.7	JR-128	82.3	83.3	48.3	96.3	77.6
PACESETTER (6011)	84.0	86.7	58.3	93.3	80.6	LINE DRIVE	80.0	80.0	58.3	91.7	77.5
PARAGON	76.3	85.0	63.3	96.3	80.3	EST-2M4	73.3	83.3	61.7	91.7	77.5
SRX 4120	94.7	80.0	50.0	96.0	80.2	GRAND SLAM (PST-2L96)	85.7	78.3	52.5	93.3	77.5
APR 1235	85.3	81.7	61.7	91.7	80.1	MANHATTAN 3	68.3	80.0	63.3	97.7	77.3
CHURCHILL	82.3	83.3	58.3	96.3	80.1	TERRADYNE (A5C)	82.3	86.7	50.0	90.0	77.3
CATALINA II (PST-CATS)	88.0	81.7	63.3	86.7	79.9	INSPIRE (R8000)	72.3	81.7	58.3	96.3	77.2
ADMIRE (JR-151)	91.3	85.0	48.3	95.0	79.9	SEVILLE II	75.7	85.0	51.7	96.3	77.2
ASCEND	87.7	81.7	61.7	88.3	79.8	AFFIRMED	82.3	80.0	50.0	96.3	77.2
EXACTA	82.3	83.3	56.7	96.3	79.7	BLAZER IV (PICK MDR)	77.3	80.0	55.0	96.3	77.2
ABT-99-4.560	79.7	83.3	60.0	95.0	79.5	CIS-PR-75	65.0	85.0	65.0	93.3	77.1
PST-2LA	76.7	86.7	61.7	93.0	79.5	BY-100	73.3	81.7	61.7	91.3	77.0
SALINAS (PST-2SLX)	80.0	81.7	60.0	96.3	79.5	COURAGE (MB 410)	71.7	83.3	61.7	91.3	77.0
SECRETARIAT	81.7	86.7	55.0	94.7	79.5	ALL STAR2 (CIS-PR-78)	70.0	81.7	58.3	97.7	76.9
ABT-99-4.115	83.0	80.0	58.3	96.3	79.4	SUPERSTAR (EP57)	82.3	80.0	55.0	90.0	76.8
EXTREME (JR-317)	75.0	86.7	58.3	97.7	79.4	APR 1232	79.0	81.7	51.7	94.7	76.8
APR 1237	84.7	80.0	56.7	96.0	79.3	APR 1231	70.0	88.3	65.0	83.3	76.7
ABT-99-4.815	75.7	88.3	58.3	94.7	79.3	CHARISMATIC (LTP 98-501)	76.7	81.7	53.3	94.7	76.6
ABT-99-4.464	82.3	80.0	60.0	94.3	79.2	KOKOMO (CIS-PR-69)	66.7	85.0	60.0	94.7	76.6
SR 4500	90.0	83.3	53.3	90.0	79.2	MP107	63.3	81.7	66.7	94.7	76.6
UT-1000 (ABT-99-4.709)	84.7	80.0	66.7	85.0	79.1	PICK PRNGS	83.3	78.3	50.0	94.7	76.6
PROWLER (APR 777)	84.0	80.0	55.0	96.3	78.8	CIS-PR-84	69.7	83.3	58.3	94.7	76.5
GATOR 3 (CIS-PR-85)	83.3	78.3	60.0	93.3	78.8	DLF-LDD	74.7	88.3	48.3	94.7	76.5
PST-2RT	80.0	80.0	61.7	93.0	78.7	MDP	76.7	81.7	53.3	94.3	76.5
PLEASURE XL	82.7	80.0	58.3	93.3	78.6	RADIANT	73.3	78.3	58.3	96.0	76.5
DIVINE	81.3	85.0	55.0	93.0	78.6	EDGE	71.0	85.0	50.0	99.0	76.3
PREMIER II	81.7	80.0	53.3	99.0	78.5	SPLENDID (MB 411)	80.0	81.7	53.3	89.7	76.2
SR 4220 (SRX 4801)	79.0	86.7	55.0	93.3	78.5	ABT-99-4.600	75.0	83.3	53.3	93.0	76.2
FIESTA 3	80.7	81.7	58.3	93.0	78.4	PASSPORT	66.7	86.7	53.3	97.7	76.1
PICK PR B-97	79.3	78.3	58.3	97.7	78.4	GALLERY (MB 412)	79.0	81.7	58.3	85.0	76.0
JET	83.0	78.3	53.3	99.0	78.4	EENTIUM (NJ-6401)	71.3	81.7	53.3	97.7	76.0
MACH 1 (ROBERTS-627)	75.7	83.3	56.7	97.7	78.3	PHANTOM	74.0	78.3	58.3	93.3	76.0
WILMINGTON	83.7	78.3	60.0	91.3	78.3	WVPB-R-84	71.0	80.0	55.0	97.7	75.9
ELFKIN	76.7	80.0	60.0	96.3	78.3	BRIGHTSTAR II	70.0	81.7	58.3	93.0	75.8
EPD	80.0	83.3	53.3	96.3	78.3	HAWKEYE (SRX 4RHT)	73.3	81.7	50.0	97.7	75.7

TABLE 13. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/					
NAME	KY1	MI1	NY2	SD1	MEAN
MEPY	65.0	81.7	58.3	97.7	75.7
YATSUGREEN	69.7	83.3	53.3	96.0	75.6
RACER	82.3	80.0	51.7	88.3	75.6
MONTEREY II (JR-187)	66.7	83.3	56.7	94.7	75.3
DP LP-1	60.0	83.3	60.0	97.7	75.3
MAJESTY	78.0	80.0	50.0	93.0	75.3
MB 414	86.3	78.3	51.7	84.7	75.3
BARLENNIUM	72.3	81.7	55.0	91.3	75.1
ABT-99-4.625	75.0	78.3	55.0	91.7	75.0
CABO (CIS-PR-80)	75.0	80.0	58.3	86.7	75.0
EP53	70.0	80.0	61.7	88.3	75.0
CATALINA	61.7	83.3	60.0	94.7	74.9
NEXUS	71.7	85.0	51.7	91.3	74.9
DP 17-9496	73.3	78.3	56.7	91.3	74.9
ABT-99-4.834	64.0	81.7	61.7	91.7	74.8
PINNACLE II (BAR 9 B2)	79.0	78.3	46.7	94.7	74.7
LPR 98-144	75.7	85.0	40.0	97.7	74.6
PST-2CRR	66.7	85.0	56.7	90.0	74.6
MP103	66.7	80.0	56.7	94.7	74.5
PICK PR 1-94	76.7	76.7	51.7	93.0	74.5
LPR 98-143	78.3	76.7	45.0	97.7	74.4
PICK PR QH-97	73.3	80.0	50.0	93.3	74.2
LTP-ME	65.0	81.7	55.0	94.7	74.1
APR 776	70.0	80.0	51.7	94.3	74.0
PREMIER	72.3	78.3	53.3	91.3	73.8
PROMISE	81.7	80.0	43.3	90.0	73.8
PALMER III	61.7	78.3	60.0	94.7	73.7
WVPB-R-82	56.7	88.3	53.3	94.7	73.3
ABT-99-4.965	66.7	83.3	48.3	93.3	72.9
SUMMERSET (MB 413)	70.0	75.0	58.3	88.3	72.9
PST-2SBE	56.3	80.0	65.0	90.0	72.8
DP 17-9069	65.0	81.7	51.7	91.3	72.4
BUCCANEER	71.7	80.0	41.7	94.3	71.9
PROSPORT (AG-P981)	63.3	80.0	58.3	85.0	71.7
CAS-LP84	60.0	85.0	50.0	91.3	71.6
ALLSPORT	61.7	76.7	60.0	85.0	70.8
PANTHER	43.3	85.0	58.3	93.0	69.9
HEADSTART	55.0	80.0	46.7	96.3	69.5
APR 1234	79.3	75.0	48.3	73.3	69.0
LINN	10.3	65.0	46.7	94.7	54.2
LSD VALUE	22.8	9.6	20.1	7.8	8.2
C.V. (%)	18.7	7.3	22.2	5.2	13.2

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

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

TABLE 14. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	VA1	NAME	VA1
PARAGON	6.3	ABT-99-4.339	4.7
CITATION FORE (PST-2BR)	6.0	ABT-99-4.721	4.7
LINE DRIVE	6.0	AFFINITY	4.7
PINNACLE II (BAR 9 B2)	6.0	ASCEND	4.7
APPLAUD (PENNINGTON-11301)	5.7	BARLENNIUM	4.7
BUCCANEER	5.7	CALYPSO II	4.7
GATOR 3 (CIS-PR-85)	5.7	CHARISMATIC (LTP 98-501)	4.7
HAWKEYE (SRX 4RHT)	5.7	CIS-PR-75	4.7
KOKOMO (CIS-PR-69)	5.7	EDGE	4.7
PIZZAZZ	5.7	FIESTA 3	4.7
SR 4220 (SRX 4801)	5.7	GALLERY (MB 412)	4.7
STELLAR (CIS-PR-72)	5.7	JET	4.7
ABT-99-4.464	5.3	KOOS R-71	4.7
ABT-99-4.724	5.3	LTP-ME	4.7
ABT-99-4.965	5.3	MANHATTAN 3	4.7
ALL STAR2 (CIS-PR-78)	5.3	MDP	4.7
AMAZING (B1)	5.3	PALMER III	4.7
BLAZER IV (PICK MDR)	5.3	SUMMERSET (MB 413)	4.7
CABO (CIS-PR-80)	5.3	WVPB-R-84	4.7
DLF-LDD	5.3	ABT-99-4.815	4.3
GRAND SLAM (PST-2L96)	5.3	AFFIRMED	4.3
MACH 1 (ROBERTS-627)	5.3	ALLSPORT	4.3
PREMIER II	5.3	BRIGHTSTAR II	4.3
PROSPORT (AG-P981)	5.3	CAS-LP84	4.3
PST-2CRR	5.3	CHURCHILL	4.3
RACER II (PICK RC2)	5.3	DP 17-9496	4.3
SECRETARIAT	5.3	LPR 98-143	4.3
TERRADYNE (A5C)	5.3	LPR 98-144	4.3
ABT-99-4.625	5.0	MONTEREY II (JR-187)	4.3
ABT-99-4.834	5.0	NEXUS	4.3
APR 1234	5.0	PANTHER	4.3
BRIGHTSTAR SLT (PST-2A6B)	5.0	PASSPORT	4.3
CHARGER II	5.0	PENNANT II	4.3
CIS-PR-84	5.0	PICK EX2	4.3
DIVINE	5.0	PICK PR QH-97	4.3
ELFKIN	5.0	PST-2LA	4.3
EXACTA	5.0	PST-2SBE	4.3
INSPIRE (R8000)	5.0	RADIANT	4.3
MANHATTAN 4 (PST-2CRL)	5.0	SALINAS (PST-2SLX)	4.3
PACESETTER (6011)	5.0	SUPERSTAR (EP57)	4.3
PENTIUM (NJ-6401)	5.0	UT-1000 (ABT-99-4.709)	4.3
PROMISE	5.0	ABT-99-4.115	4.0
SEVILLE II	5.0	ABT-99-4.600	4.0
SR 4420 (SRX 4820)	5.0	ADMIRE (JR-151)	4.0
SR 4500	5.0	APR 1231	4.0
WIIMINGTON	5.0	APR 1233	4.0
		APR 1235	4.0

TABLE 14. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	VA1
APR 1237	4.0
BY-100	4.0
CATALINA II (PST-CATS)	4.0
CATHEDRAL II	4.0
COURAGE (MB 410)	4.0
EXTREME (JR-317)	4.0
LINN	4.0
MAJESTY	4.0
MB 414	4.0
MP103	4.0
PHANTOM	4.0
PICK PR 1-94	4.0
PST-2JH	4.0
PST-2M4	4.0
PST-2RT	4.0
SKYHAWK	4.0
SPLENDID (MB 411)	4.0
SRX 4120	4.0
WVPB-R-82	4.0
ABT-99-4.560	3.7
CATALINA	3.7
DP LP-1	3.7
EP53	3.7
EPD	3.7
HEADSTART	3.7
JR-128	3.7
MP107	3.7
MP88	3.7
PICK PR B-97	3.7
PREMIER	3.7
YATSUGREEN	3.7
APR 1232	3.3
APR 776	3.3
DP 17-9391	3.3
MEPY	3.3
PARADIGM (APR 1236)	3.3
PICK PRNGS	3.3
PLEASURE XL	3.3
PROWLER (APR 777)	3.3
RACER	3.3
DP 17-9069	3.0
LSD VALUE	1.3
C.V. (%)	18.4

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 15. TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	SD1	NAME	SD1
LTP-ME	8.0	LPR 98-144	3.3
APPLAUD (PENNINGTON-11301)	4.7	MACH 1 (ROBERTS-627)	3.3
ELFKIN	4.7	MDF	3.3
YATSUGREEN	4.7	MONTEREY II (JR-187)	3.3
ABT-99-4.464	4.3	MP107	3.3
ABT-99-4.115	4.0	MP88	3.3
APR 1237	4.0	NEXUS	3.3
DP 17-9391	4.0	PARAGON	3.3
DP 17-9496	4.0	PASSPORT	3.3
ABT-99-4.724	3.7	PENTIUM (NJ-6401)	3.3
ABT-99-4.965	3.7	PICK EX2	3.3
BUCCANEER	3.7	PICK PR B-97	3.3
CATHEDRAL II	3.7	PINNACLE II (BAR 9 B2)	3.3
DP LP-1	3.7	PIZZAZZ	3.3
EDGE	3.7	PREMIER II	3.3
EXACTA	3.7	RACER II (PICK RC2)	3.3
INSPIRE (R8000)	3.7	SECRETARIAT	3.3
MANHATTAN 3	3.7	SR 4420 (SRX 4820)	3.3
PALMER III	3.7	WVPB-R-84	3.3
PARADIGM (APR 1236)	3.7	ABT-99-4.560	3.0
PICK PRNGS	3.7	ABT-99-4.600	3.0
PREMIER	3.7	ABT-99-4.625	3.0
PST-2CRR	3.7	APR 1233	3.0
SKYHAWK	3.7	APR 776	3.0
STELLAR (CIS-PR-72)	3.7	BARLENNIUM	3.0
ABT-99-4.339	3.3	BRIGHTSTAR II	3.0
ABT-99-4.721	3.3	BRIGHTSTAR SLT (PST-2A6B)	3.0
ABT-99-4.815	3.3	CATALINA	3.0
ADMIRE (JR-151)	3.3	CHURCHILL	3.0
AFFINITY	3.3	CIS-PR-75	3.0
AFFIRMED	3.3	CIS-PR-84	3.0
ALL STAR2 (CIS-PR-78)	3.3	DLF-LDD	3.0
AMAZING (B1)	3.3	EP53	3.0
APR 1232	3.3	EPD	3.0
APR 1235	3.3	FIESTA 3	3.0
BIAZER IV (PICK MDR)	3.3	LINN	3.0
CHARISMATIC (LTP 98-501)	3.3	LPR 98-143	3.0
CITATION FORE (PST-2BR)	3.3	MAJESTY	3.0
COURAGE (MB 410)	3.3	MEPY	3.0
DIVINE	3.3	MP103	3.0
DP 17-9069	3.3	PANTHER	3.0
EXTREME (JR-317)	3.3	PICK PR 1-94	3.0
GRAND SLAM (PST-2L96)	3.3	PLEASURE XL	3.0
HAWKEYE (SRX 4RHT)	3.3	PROWLER (APR 777)	3.0
HEADSTART	3.3	PST-2JH	3.0
KCKOMO (CIS-PR-69)	3.3	PST-2M4	3.0
		PST-2RT	3.0

TABLE 15. TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	SD1
RADIANT	3.0
SEVILLE II	3.0
SR 4220 (SRX 4801)	3.0
SR 4500	3.0
SRX 4120	3.0
SUPERSTAR (EP57)	3.0
WILMINGTON	3.0
WVPB-R-82	3.0
ABT-99-4.834	2.7
ALLSPORT	2.7
APR 1231	2.7
ASCEND	2.7
BY-100	2.7
CABO (CIS-PR-80)	2.7
CALYPSO II	2.7
CATALINA II (PST-CATS)	2.7
CHARGER II	2.7
GALLERY (MB 412)	2.7
GATOR 3 (CIS-PR-85)	2.7
JET	2.7
JR-128	2.7
KOOS R-71	2.7
LINE DRIVE	2.7
MANHATTAN 4 (PST-2CRL)	2.7
MB 414	2.7
PACESETTER (6011)	2.7
PENNANT II	2.7
PHANTOM	2.7
PICK PR QH-97	2.7
PROMISE	2.7
PST-2LA	2.7
RACER	2.7
SALINAS (PST-2SLX)	2.7
SPLENDID (MB 411)	2.7
SUMMERSET (MB 413)	2.7
TERRADYNE (A5C)	2.7
APR 1234	2.3
CAS-LP84	2.3
PROSPORT (AG-P981)	2.3
UT-1000 (ABT-99-4.709)	2.3
PST-2SBE	2.0
LSD VALUE	1.3
C.V. (%)	24.6

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

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

TABLE 16. STEM RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	NY2	NAME	NY2
CITATION FORE (PST-2BR)	8.7	PST-2RT	7.7
MACH 1 (ROBERTS-627)	8.7	RACER	7.7
ABT-99-4.724	8.3	SALINAS (PST-2SIX)	7.7
ALL STAR2 (CIS-PR-78)	8.3	SKYHAWK	7.7
AMAZING (B1)	8.3	SR 4220 (SRX 4801)	7.7
BLAZER IV (PICK MDR)	8.3	SUPERSTAR (EP57)	7.7
BRIGHTSTAR II	8.3	WILMINGTON	7.7
MANHATTAN 4 (PST-2CRL)	8.3	ABT-99-4.339	7.3
PINNACLE II (BAR 9 B2)	8.3	ABT-99-4.464	7.3
PST-2SBE	8.3	ABT-99-4.600	7.3
TERRADYNE (A5C)	8.3	APR 1235	7.3
ABT-99-4.834	8.0	ASCEND	7.3
CIS-PR-84	8.0	CALYPSO II	7.3
INSPIRE (R8000)	8.0	CHARISMATIC (LTP 98-501)	7.3
MANHATTAN 3	8.0	CHURCHILL	7.3
NEXUS	8.0	CIS-PR-75	7.3
PIZZAZZ	8.0	COURAGE (MB 410)	7.3
PROMISE	8.0	EXACTA	7.3
PROSPORT (AG-P981)	8.0	FIESTA 3	7.3
PROWLER (APR 777)	8.0	HAWKEYE (SRX 4RHT)	7.3
PST-2M4	8.0	JET	7.3
SEVILLE II	8.0	MB 414	7.3
SPLENDID (MB 411)	8.0	MEPY	7.3
SR 4420 (SRX 4820)	8.0	MP88	7.3
STELLAR (CIS-PR-72)	8.0	PACESETTER (6011)	7.3
ABT-99-4.560	7.7	PENNANT II	7.3
ABT-99-4.625	7.7	PENTIUM (NJ-6401)	7.3
ABT-99-4.721	7.7	PICK PR B-97	7.3
ABT-99-4.965	7.7	PLEASURE XL	7.3
ALLSPORT	7.7	PST-2JH	7.3
APPLAUD (PENNINGTON-11301)	7.7	RADIANT	7.3
APR 776	7.7	SUMMERSET (MB 413)	7.3
BARLENNIUM	7.7	ABT-99-4.115	7.0
BRIGHTSTAR SLT (PST-2A6B)	7.7	ABT-99-4.815	7.0
CABO (CIS-PR-80)	7.7	APR 1231	7.0
CATALINA	7.7	BY-100	7.0
DLF-IDD	7.7	CATALINA II (PST-CATS)	7.0
GATOR 3 (CIS-PR-85)	7.7	CHARGER II	7.0
KOKOMD (CIS-PR-69)	7.7	EP53	7.0
LINE DRIVE	7.7	GALLERY (MB 412)	7.0
MP107	7.7	GRAND SLAM (PST-2L96)	7.0
PALMER III	7.7	KOOS R-71	7.0
PARAGON	7.7	LPR 98-144	7.0
PICK PR QH-97	7.7	LTP-ME	7.0
PREMIER II	7.7	MAJESTY	7.0
PST-2LA	7.7	MDP	7.0
		MONTEREY II (JR-187)	7.0

TABLE 16. STEM RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	NY2
MP103	7.0
PANTHER	7.0
PARADIGM (APR 1236)	7.0
PHANTOM	7.0
PICK PR 1-94	7.0
PST-2CRR	7.0
RACER II (PICK RC2)	7.0
SR 4500	7.0
UT-1000 (ABT-99-4.709)	7.0
WVPB-R-84	7.0
AFFIRMED	6.7
APR 1233	6.7
APR 1234	6.7
CAS-LP84	6.7
CATHEDRAL II	6.7
DIVINE	6.7
DP 17-9496	6.7
ELFKIN	6.7
EPD	6.7
EXTREME (JR-317)	6.7
JR-128	6.7
PREMIER	6.7
SRX 4120	6.7
YATSUGREEN	6.7
ADMIRE (JR-151)	6.3
AFFINITY	6.3
APR 1232	6.3
APR 1237	6.3
DP 17-9391	6.3
DP LP-1	6.3
LPR 98-143	6.3
PASSPORT	6.3
PICK EX2	6.3
PICK PRNGS	6.3
SECRETARIAT	6.3
BUCCANEER	6.0
DP 17-9069	6.0
EDGE	6.0
HEADSTART	6.0
LINN	6.0
WVPB-R-82	6.0
LSD VALUE	1.2
C.V. (%)	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 17.

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	NJ1	NJ2	MEAN	NAME	NJ1	NJ2	MEAN
PENTIUM (NJ-6401)	8.0	9.0	8.5	CATALINA II (PST-CATS)	7.3	6.0	6.7
PST-2M4	7.7	8.7	8.2	GATOR 3 (CIS-PR-85)	6.3	7.0	6.7
APR 1233	8.0	8.0	8.0	PLEASURE XL	7.0	6.3	6.7
MANHATTAN 3	7.3	8.3	7.8	PROMISE	7.0	6.3	6.7
PARADIGM (APR 1236)	8.0	7.7	7.8	ABT-99-4.834	6.3	6.7	6.5
ABT-99-4.115	7.0	8.3	7.7	AMAZING (B1)	5.3	7.7	6.5
APR 1235	7.7	7.7	7.7	APR 1234	6.7	6.3	6.5
PST-2JH	7.0	8.3	7.7	CATHEDRAL II	6.0	7.0	6.5
PIZZAZZ	6.7	8.3	7.5	SR 4500	6.7	6.3	6.5
SALINAS (PST-2SLX)	8.0	7.0	7.5	UT-1000 (ABT-99-4.709)	6.3	6.7	6.5
PST-2SBE	8.0	6.7	7.3	YATSUGREEN	5.7	7.3	6.5
SEVILLE II	6.7	8.0	7.3	APR 1237	5.7	7.0	6.3
CHARGER II	7.3	7.3	7.3	CATALINA	6.7	6.0	6.3
ABT-99-4.560	6.0	8.3	7.2	CHARISMATIC (LTP 98-501)	6.7	6.0	6.3
INSPIRE (R8000)	6.7	7.7	7.2	DP LP-1	6.7	6.0	6.3
RACER II (PICK RC2)	6.7	7.7	7.2	HAWKEYE (SRX 4RHT)	6.0	6.7	6.3
ABT-99-4.625	6.3	8.0	7.2	KOOS R-71	6.0	6.7	6.3
ABT-99-4.965	7.0	7.3	7.2	LTP-ME	6.0	6.7	6.3
PROWLER (APR 777)	7.3	7.0	7.2	MANHATTAN 4 (PST-2CRL)	6.0	6.7	6.3
CIS-PR-84	6.3	7.7	7.0	PICK EX2	5.7	7.0	6.3
DLF-LDD	6.3	7.7	7.0	PICK PR B-97	7.0	5.7	6.3
GALLERY (MB 412)	8.0	6.0	7.0	PICK PRNGS	6.7	6.0	6.3
NEXUS	7.3	6.7	7.0	SPLENDID (MB 411)	6.0	6.7	6.3
ALL STAR2 (CIS-PR-78)	7.0	6.7	6.8	STELLAR (CIS-PR-72)	6.7	6.0	6.3
BLAZER IV (PICK MDR)	7.7	6.0	6.8	LPR 98-143	6.3	6.3	6.3
DP 17-9496	6.7	7.0	6.8	APR 1232	5.7	6.7	6.2
JET	7.0	6.7	6.8	PREMIER II	5.7	6.7	6.2
LINN	6.0	7.7	6.8	APR 776	7.0	5.3	6.2
MAJESTY	6.7	7.0	6.8	CALYPSO II	6.3	6.0	6.2
PACESETTER (6011)	6.7	7.0	6.8	FIESTA 3	5.3	7.0	6.2
WVPB-R-84	6.0	7.7	6.8	SR 4220 (SRX 4801)	6.0	6.3	6.2
DIVINE	6.3	7.3	6.8	ABT-99-4.464	5.7	6.3	6.0
LPR 98-144	6.3	7.3	6.8	ABT-99-4.724	6.3	5.7	6.0
MACH 1 (ROBERTS-627)	6.3	7.3	6.8	ADMIRE (JR-151)	6.0	6.0	6.0
PICK PR 1-94	7.3	6.3	6.8	CABO (CIS-PR-80)	6.0	6.0	6.0
PST-2CRR	7.3	6.3	6.8	TERRADYNE (A5C)	5.3	6.7	6.0
PST-2RT	6.3	7.3	6.8	WILMINGTON	7.7	4.3	6.0
SUMMERSET (MB 413)	7.3	6.3	6.8	ASCEND	6.0	5.7	5.8
APPLAUD (PENNINGTON-11301)	6.7	6.7	6.7	CITATION FORE (PST-2BR)	5.7	6.0	5.8
BRIGHTSTAR II	6.7	6.7	6.7	KOKOMO (CIS-PR-69)	6.0	5.7	5.8
GRAND SLAM (PST-2L96)	6.7	6.7	6.7	MB 414	6.0	5.7	5.8
RACER	6.7	6.7	6.7	PENNANT II	6.0	5.7	5.8
SECRETARIAT	5.7	7.7	6.7	SKYHAWK	6.0	5.7	5.8
SR 4420 (SRX 4820)	5.7	7.7	6.7	COURAGE (MB 410)	5.3	6.3	5.8
ABT-99-4.721	6.3	7.0	6.7	PANTHER	6.3	5.3	5.8
APR 1231	7.3	6.0	6.7	PASSPORT	6.3	5.3	5.8
				PST-2LA	6.3	5.3	5.8

TABLE 17. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	NJ1	NJ2	MEAN
DP 17-9391	5.7	5.7	5.7
LINE DRIVE	5.7	5.7	5.7
MONTEREY II (JR-187)	5.7	5.7	5.7
PARAGON	5.7	5.7	5.7
BRIGHTSTAR SLT (PST-2A6B)	6.0	5.3	5.7
RADIANT	6.0	5.3	5.7
ABT-99-4.600	5.7	5.3	5.5
ABT-99-4.815	7.3	3.7	5.5
BARLENNIUM	5.3	5.7	5.5
ELFKIN	6.3	4.7	5.5
EXACTA	5.0	6.0	5.5
MP107	4.3	6.7	5.5
PALMER III	5.3	5.7	5.5
SRX 4120	5.0	6.0	5.5
ABT-99-4.339	5.0	5.7	5.3
BUCCANEER	4.7	6.0	5.3
DP 17-9069	5.0	5.7	5.3
MEPY	4.7	6.0	5.3
PHANTOM	5.7	5.0	5.3
PICK PR QH-97	6.0	4.7	5.3
PINNACLE II (BAR 9 B2)	4.7	6.0	5.3
CIS-PR-75	5.3	5.3	5.3
WVPB-R-82	4.3	6.3	5.3
AFFINITY	5.7	4.7	5.2
JR-128	5.7	4.7	5.2
AFFIRMED	5.3	5.0	5.2
ALLSPORT	6.0	4.3	5.2
BY-100	4.3	6.0	5.2
CHURCHILL	5.0	5.0	5.0
MDP	4.7	5.3	5.0
MP88	4.7	4.7	4.7
EDGE	4.3	5.0	4.7
PROSPORT (AG-P981)	5.3	4.0	4.7
SUPERSTAR (EP57)	4.3	5.0	4.7
EP53	4.0	5.0	4.5
EXTREME (JR-317)	4.3	4.7	4.5
CAS-LP84	3.0	5.7	4.3
HEADSTART	2.7	6.0	4.3
MP103	4.3	4.3	4.3
EPD	4.0	4.0	4.0
PREMIER	2.7	5.3	4.0
LSD VALUE	2.0	2.3	1.5
C.V. (%)	20.0	22.7	21.5

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 18. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	IL2	NAME	IL2
PIZZAZZ	8.3	CIS-PR-84	6.0
GATOR 3 (CIS-PR-85)	8.0	DP 17-9391	6.0
MACH 1 (ROBERTS-627)	7.7	DP 17-9496	6.0
ABT-99-4.724	7.3	EDGE	6.0
APR 1231	7.3	LPR 98-144	6.0
ALLSPORT	7.0	PARAGON	6.0
COURAGE (MB 410)	7.0	PICK EX2	6.0
DLF-LDD	7.0	PICK PR 1-94	6.0
PST-2SBE	7.0	PICK PR QH-97	6.0
SEVILLE II	7.0	PLEASURE XL	6.0
SR 4420 (SRX 4820)	7.0	PROSPORT (AG-P981)	6.0
SR 4500	7.0	PST-2CRR	6.0
ABT-99-4.560	6.7	PST-2M4	6.0
AFFIRMED	6.7	RADIANT	6.0
APR 1234	6.7	TERRADYNE (A5C)	6.0
APR 1237	6.7	YATSUGREEN	6.0
CALYPSO II	6.7	ABT-99-4.115	5.7
HAWKEYE (SRX 4RHT)	6.7	ABT-99-4.721	5.7
MONTEREY II (JR-187)	6.7	AFFINITY	5.7
PACESETTER (6011)	6.7	APPLAUD (PENNINGTON-11301)	5.7
PST-2JH	6.7	APR 1233	5.7
SECRETARIAT	6.7	APR 1235	5.7
STELLAR (CIS-PR-72)	6.7	BRIGHTSTAR II	5.7
UT-1000 (ABT-99-4.709)	6.7	BUCCANEER	5.7
ABT-99-4.625	6.3	BY-100	5.7
ADMIRE (JR-151)	6.3	CAS-LP84	5.7
ALL STAR2 (CIS-PR-78)	6.3	CHARGER II	5.7
AMAZING (B1)	6.3	EP53	5.7
APR 1232	6.3	EPD	5.7
APR 776	6.3	EXACTA	5.7
CHURCHILL	6.3	EXTREME (JR-317)	5.7
GRAND SLAM (PST-2L96)	6.3	FIESTA 3	5.7
JR-128	6.3	JET	5.7
MEPY	6.3	KOKOMO (CIS-PR-69)	5.7
NEXUS	6.3	KOOS R-71	5.7
PREMIER	6.3	LINE DRIVE	5.7
PREMIER II	6.3	PARADIGM (APR 1236)	5.7
PROWLER (APR 777)	6.3	PICK PR B-97	5.7
PST-2RT	6.3	PINNACLE II (BAR 9 B2)	5.7
RACER	6.3	WVPB-R-84	5.7
RACER II (PICK RC2)	6.3	BARLENNIUM	5.3
SR 4220 (SRX 4801)	6.3	CATALINA II (PST-CATS)	5.3
SRX 4120	6.3	DIVINE	5.3
ABT-99-4.339	6.0	ELFKIN	5.3
ABT-99-4.464	6.0	LTP-ME	5.3
ABT-99-4.965	6.0	MAJESTY	5.3
		MB 414	5.3

TABLE 18. BROWN PATCH (WARM TEMPERATURE) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	IL2
MDP	5.3
MP107	5.3
PICK PRNGS	5.3
SALINAS (PST-2SLX)	5.3
SPLENDID (MB 411)	5.3
SUMMERSET (MB 413)	5.3
ABT-99-4.600	5.0
ABT-99-4.834	5.0
ASCEND	5.0
CABO (CIS-PR-80)	5.0
CATHEDRAL II	5.0
CHARISMATIC (LTP 98-501)	5.0
CIS-PR-75	5.0
CITATION FORE (PST-2BR)	5.0
DP 17-9069	5.0
GALLERY (MB 412)	5.0
INSPIRE (R8000)	5.0
LPR 98-143	5.0
MANHATTAN 3	5.0
PENTIUM (NJ-6401)	5.0
PST-2LA	5.0
SUPERSTAR (EP57)	5.0
WVPB-R-82	5.0
BRIGHTSTAR SLT (PST-2A6B)	4.7
HEADSTART	4.7
BLAZER IV (PICK MDR)	4.3
DP LP-1	4.3
MANHATTAN 4 (PST-2CRL)	4.3
MP88	4.3
PHANTOM	4.3
PROMISE	4.3
WILMINGTON	4.3
CATALINA	4.0
PASSPORT	4.0
SKYHAWK	4.0
PANTHER	3.7
ABT-99-4.815	3.3
LINN	3.3
PALMER III	3.3
MP103	3.0
PENNANT II	2.3
LSD VALUE	2.2
C.V. (%)	23.7

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 19. PINK PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	NY1	NAME	NY1
CHARGER II	8.0	GATOR 3 (CIS-PR-85)	7.3
LPR 98-144	8.0	KOKOMO (CIS-PR-69)	7.3
MANHATTAN 3	8.0	MAJESTY	7.3
PROWLER (APR 777)	8.0	MANHATTAN 4 (PST-2CRL)	7.3
PST-2JH	8.0	MB 414	7.3
SALINAS (PST-2SLX)	8.0	MONTEREY II (JR-187)	7.3
SUMMERSET (MB 413)	8.0	PARADIGM (APR 1236)	7.3
ABT-99-4.625	7.7	PENTIUM (NJ-6401)	7.3
ABT-99-4.834	7.7	PST-2CRR	7.3
APR 1232	7.7	PST-2M4	7.3
APR 1233	7.7	RACER	7.3
APR 776	7.7	STELLAR (CIS-PR-72)	7.3
CALYPSO II	7.7	UT-1000 (ABT-99-4.709)	7.3
COURAGE (MB 410)	7.7	YATSUGREEN	7.3
DLF-LDD	7.7	ABT-99-4.339	7.0
EXACTA	7.7	ABT-99-4.464	7.0
EXTREME (JR-317)	7.7	ABT-99-4.815	7.0
MACH 1 (ROBERTS-627)	7.7	ABT-99-4.965	7.0
PACESETTER (6011)	7.7	ADMIRE (JR-151)	7.0
PASSPORT	7.7	ALL STAR2 (CIS-PR-78)	7.0
PICK EX2	7.7	APPLAUD (PENNINGTON-11301)	7.0
PINNACLE II (BAR 9 B2)	7.7	BARLENNIUM	7.0
PST-2LA	7.7	BRIGHTSTAR SLT (PST-2A6B)	7.0
PST-2RT	7.7	CATALINA II (PST-CATS)	7.0
RACER II (PICK RC2)	7.7	CHARISMATIC (LTP 98-501)	7.0
RADIANT	7.7	CHURCHILL	7.0
SPLENDID (MB 411)	7.7	DIVINE	7.0
SR 4220 (SRX 4801)	7.7	DP 17-9496	7.0
SR 4420 (SRX 4820)	7.7	FIESTA 3	7.0
SR 4500	7.7	HEADSTART	7.0
WVPB-R-84	7.7	LINE DRIVE	7.0
ABT-99-4.560	7.3	LPR 98-143	7.0
ABT-99-4.600	7.3	MDP	7.0
ABT-99-4.721	7.3	NEXUS	7.0
AFFIRMED	7.3	PANTHER	7.0
AMAZING (B1)	7.3	PARAGON	7.0
APR 1231	7.3	PICK PR B-97	7.0
APR 1234	7.3	PICK PR QH-97	7.0
APR 1235	7.3	PREMIER	7.0
APR 1237	7.3	PREMIER II	7.0
BIAZER IV (PICK MDR)	7.3	TERRADYNE (A5C)	7.0
CATALINA	7.3	WILMINGTON	7.0
CITATION FORE (PST-2BR)	7.3	ABT-99-4.115	6.7
DP 17-9069	7.3	AFFINITY	6.7
ELFKIN	7.3	ALLSPORT	6.7
GALLERY (MB 412)	7.3	ASCEND	6.7
		BRIGHTSTAR II	6.7

TABLE 19. PINK PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	NY1
BUCCANEER	6.7
CABO (CIS-PR-80)	6.7
CIS-PR-75	6.7
CIS-PR-84	6.7
DP 17-9391	6.7
EPD	6.7
HAWKEYE (SRX 4RHT)	6.7
JET	6.7
JR-128	6.7
LTP-ME	6.7
MP88	6.7
PALMER III	6.7
PHANTOM	6.7
PICK PRNGS	6.7
PIZZAZZ	6.7
PROMISE	6.7
PST-2SBE	6.7
SECRETARIAT	6.7
SKYHAWK	6.7
GRAND SLAM (PST-2L96)	6.5
ABT-99-4.724	6.3
CAS-LP84	6.3
CATHEDRAL II	6.3
DP LP-1	6.3
EDGE	6.3
EP53	6.3
INSPIRE (R8000)	6.3
KOOS R-71	6.3
LINN	6.3
MP103	6.3
PENNANT II	6.3
PICK PR 1-94	6.3
PROSPORT (AG-P981)	6.3
SEVILLE II	6.3
SRX 4120	6.3
SUPERSTAR (EP57)	6.3
BY-100	6.0
MEPY	6.0
MP107	6.0
PLEASURE XL	6.0
WVPB-R-82	6.0
LSD VALUE	1.4
C.V. (%)	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 20. SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 2001 DATA
 SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/

NAME	WI1	NAME	WI1
ABT-99-4.560	4.0	PENTIUM (NJ-6401)	3.3
DLF-LDD	4.0	PICK PR QH-97	3.3
DP 17-9069	4.0	PROMISE	3.3
HAWKEYE (SRX 4RHT)	4.0	PST-2LA	3.3
JET	4.0	PST-2RT	3.3
MP88	4.0	SECRETARIAT	3.3
PACESETTER (6011)	4.0	AFFINITY	3.0
PARAGON	4.0	AFFIRMED	3.0
PICK EX2	4.0	APR 1231	3.0
PINNACLE II (BAR 9 B2)	4.0	APR 1234	3.0
PIZZAZZ	4.0	APR 776	3.0
SALINAS (PST-2SLX)	4.0	BRIGHTSTAR SLT (PST-2A6B)	3.0
ABT-99-4.721	3.7	BY-100	3.0
ADMIRE (JR-151)	3.7	CALYPSO II	3.0
ALLSPORT	3.7	CATALINA	3.0
APPLAUD (PENNINGTON-11301)	3.7	CATALINA II (PST-CATS)	3.0
APR 1233	3.7	CATHEDRAL II	3.0
APR 1237	3.7	CHURCHILL	3.0
CHARGER II	3.7	CIS-PR-75	3.0
DP 17-9391	3.7	CIS-PR-84	3.0
FIESTA 3	3.7	DIVINE	3.0
GATOR 3 (CIS-PR-85)	3.7	DP LP-1	3.0
SR 4420 (SRX 4820)	3.7	EDGE	3.0
SRX 4120	3.7	EP53	3.0
WVEB-R-82	3.7	GRAND SLAM (PST-2L96)	3.0
ABT-99-4.115	3.3	HEADSTART	3.0
ABT-99-4.464	3.3	INSPIRE (R8000)	3.0
ABT-99-4.600	3.3	KOKOMO (CIS-PR-69)	3.0
ABT-99-4.965	3.3	MANHATTAN 3	3.0
AMAZING (B1)	3.3	MDP	3.0
APR 1232	3.3	MEPY	3.0
BARLENNIUM	3.3	MP107	3.0
BLAZER IV (PICK MDR)	3.3	NEXUS	3.0
BRIGHTSTAR II	3.3	PASSPORT	3.0
CHARISMATIC (LTP 98-501)	3.3	PENNANT II	3.0
CITATION FORE (PST-2BR)	3.3	PICK PR B-97	3.0
ELEKIN	3.3	PICK PRNGS	3.0
EPD	3.3	PST-2JH	3.0
JR-128	3.3	PST-2M4	3.0
KOCS R-71	3.3	RACER II (PICK RC2)	3.0
LINE DRIVE	3.3	SEVILLE II	3.0
MACH 1 (ROBERTS-627)	3.3	SR 4220 (SRX 4801)	3.0
MANHATTAN 4 (PST-2CRL)	3.3	SR 4500	3.0
MONTEREY II (JR-187)	3.3	SUPERSTAR (EP57)	3.0
PAIMER III	3.3	WILMINGTON	3.0
PANTHER	3.3	YATSUGREEN	3.0
		ABT-99-4.339	2.7

TABLE 20. SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	WI1
ABT-99-4.625	2.7
ABT-99-4.724	2.7
ABT-99-4.815	2.7
ABT-99-4.834	2.7
ALL STAR2 (CIS-PR-78)	2.7
CABO (CIS-PR-80)	2.7
CAS-LP84	2.7
COURAGE (MB 410)	2.7
EXACTA	2.7
EXTREME (JR-317)	2.7
GALLERY (MB 412)	2.7
LPR 98-143	2.7
LTP-ME	2.7
MAJESTY	2.7
MP103	2.7
PICK PR 1-94	2.7
PREMIER	2.7
PREMIER II	2.7
RACER	2.7
RADIANT	2.7
STELLAR (CIS-PR-72)	2.7
SUMMERSET (MB 413)	2.7
TERRADYNE (A5C)	2.7
WVPB-R-84	2.7
BUCCANEER	2.3
DP 17-9496	2.3
LPR 98-144	2.3
PARADIGM (APR 1236)	2.3
PHANTOM	2.3
PLEASURE XL	2.3
PROSPORT (AG-P981)	2.3
PROWLER (APR 777)	2.3
PST-2CRR	2.3
PST-2SBE	2.3
SKYHAWK	2.3
SPLENDID (MB 411)	2.3
UT-1000 (ABT-99-4.709)	2.3
APR 1235	2.0
ASCEND	2.0
MB 414	2.0
LINN	1.7
LSD VALUE	1.2
C.V. (%)	23.5

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 21.

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT BLACKSBURG, VA
2001 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	JUNE	JULY	MEAN	NAME	JUNE	JULY	MEAN
CALYFSO II	7.7	6.7	7.2	PENTIUM (NJ-6401)	6.7	4.3	5.5
CHURCHILL	8.3	5.7	7.0	RACER II (PICK RC2)	6.7	4.3	5.5
CHARISMATIC (LTP 98-501)	8.0	5.7	6.8	ABT-99-4.600	6.3	4.3	5.3
PICK EX2	8.3	5.3	6.8	LPR 98-144	6.3	4.3	5.3
DLF-IDD	8.3	5.0	6.7	PICK PR 1-94	6.3	4.3	5.3
BY-100	7.3	5.7	6.5	ABT-99-4.724	6.7	3.7	5.2
EDGE	7.7	5.3	6.5	APR 1231	6.0	4.3	5.2
ABT-99-4.464	7.7	5.0	6.3	BRIGHTSTAR SLT (PST-2A6B)	6.7	3.7	5.2
ABT-99-4.815	7.3	5.3	6.3	JET	6.7	3.7	5.2
CITATION FORE (PST-2BR)	7.7	5.0	6.3	LINE DRIVE	6.7	3.7	5.2
EXACTA	7.7	5.0	6.3	PST-2JH	6.7	3.7	5.2
SR 4220 (SRX 4801)	7.7	5.0	6.3	SR 4500	6.0	4.3	5.2
CATHEDRAL II	7.3	5.0	6.2	SUMMERSET (MB 413)	6.3	4.0	5.2
GRAND SLAM (PST-2L96)	7.0	5.3	6.2	WVPB-R-84	6.3	4.0	5.2
PICK PR QH-97	7.3	5.0	6.2	ABT-99-4.721	6.3	3.7	5.0
STELLAR (CIS-PR-72)	8.0	4.3	6.2	APR 776	6.3	3.7	5.0
UT-1000 (ABT-99-4.709)	7.3	5.0	6.2	MANHATTAN 4 (PST-2CRL)	6.3	3.7	5.0
ADMIRE (JR-151)	6.7	5.3	6.0	PROWLER (APR 777)	6.0	4.0	5.0
BARLENNIUM	7.3	4.7	6.0	PST-2RT	6.3	3.7	5.0
BUCCANEER	7.0	5.0	6.0	YATSUGREEN	5.7	4.3	5.0
ELFKIN	7.0	5.0	6.0	ABT-99-4.115	5.3	4.3	4.8
EXTREME (JR-317)	6.7	5.3	6.0	ABT-99-4.560	5.7	4.0	4.8
MONTEREY II (JR-187)	7.0	5.0	6.0	APR 1237	5.3	4.3	4.8
PIZZAZZ	7.0	5.0	6.0	BLAZER IV (PICK MDR)	5.3	4.3	4.8
SECRETARIAT	7.3	4.7	6.0	EP53	5.3	4.3	4.8
ABT-99-4.339	6.7	5.0	5.8	JR-128	6.0	3.7	4.8
ABT-99-4.834	7.3	4.3	5.8	LINN	7.0	2.7	4.8
ABT-99-4.965	7.3	4.3	5.8	LTP-ME	5.7	4.0	4.8
AMAZING (B1)	7.3	4.3	5.8	MB 414	5.7	4.0	4.8
COURAGE (MB 410)	7.3	4.3	5.8	MDP	6.0	3.7	4.8
FIESTA 3	7.0	4.7	5.8	PACESETTER (6011)	6.3	3.3	4.8
KOKOMD (CIS-PR-69)	6.7	5.0	5.8	SUPERSTAR (EP57)	6.0	3.7	4.8
PICK PRNGS	6.7	5.0	5.8	TERRADYNE (A5C)	6.3	3.3	4.8
PREMIER II	6.7	5.0	5.8	ALLSPORT	5.7	3.7	4.7
SR 4420 (SRX 4820)	6.7	5.0	5.8	APR 1232	5.3	4.0	4.7
AFFINITY	7.0	4.3	5.7	ASCEND	5.7	3.7	4.7
APPLAUD (PENNINGTON-11301)	7.3	4.0	5.7	CATALINA	5.3	4.0	4.7
HAWKEYE (SRX 4RHT)	6.7	4.7	5.7	CATALINA II (PST-CATS)	5.3	4.0	4.7
INSPIRE (R8000)	7.3	4.0	5.7	DP 17-9069	5.3	4.0	4.7
PLEASURE XL	7.3	4.0	5.7	DP 17-9496	5.3	4.0	4.7
SRX 4120	7.0	4.3	5.7	MACH 1 (ROBERTS-627)	5.7	3.7	4.7
AFFIRMED	6.7	4.3	5.5	MEPY	5.7	3.7	4.7
ALL STAR2 (CIS-PR-78)	6.3	4.7	5.5	PALMER III	5.7	3.7	4.7
CIS-PR-75	6.3	4.7	5.5	PROMISE	5.7	3.7	4.7
KOOS R-71	6.3	4.7	5.5	PROSPORT (AG-P981)	5.7	3.7	4.7
PANTHER	6.3	4.7	5.5	WILMINGTON	6.0	3.3	4.7

TABLE 21. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) AT BLACKSBURG, VA
 2001 DATA
 RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	JUNE	JULY	MEAN
WVPB-R-82	5.7	3.7	4.7
ABT-99-4.625	5.7	3.3	4.5
APR 1234	5.3	3.7	4.5
APR 1235	5.7	3.3	4.5
GATOR 3 (CIS-PR-85)	5.3	3.7	4.5
MP103	5.3	3.7	4.5
PASSPORT	5.3	3.7	4.5
RADIANT	5.7	3.3	4.5
PHANTOM	5.3	3.3	4.3
PST-2CRR	5.7	3.0	4.3
PST-2LA	4.7	4.0	4.3
RACER	5.7	3.0	4.3
APR 1233	5.0	3.3	4.2
BRIGHTSTAR II	5.0	3.3	4.2
CAS-LP84	5.0	3.3	4.2
DP 17-9391	4.7	3.7	4.2
MP88	5.0	3.3	4.2
PARAGON	5.3	3.0	4.2
PICK PR B-97	5.3	3.0	4.2
PREMIER	4.7	3.7	4.2
SKYHAWK	5.0	3.3	4.2
DP LP-1	5.0	3.0	4.0
GALLERY (MB 412)	4.7	3.3	4.0
PARADIGM (APR 1236)	4.7	3.3	4.0
PINNACLE II (BAR 9 B2)	4.7	3.3	4.0
SEVILLE II	4.7	3.3	4.0
SPLENDID (MB 411)	4.7	3.3	4.0
DIVINE	4.7	3.0	3.8
EPD	5.0	2.7	3.8
MAJESTY	4.3	3.3	3.8
NEXUS	4.7	3.0	3.8
SALINAS (PST-2SLX)	4.7	3.0	3.8
HEADSTART	4.3	3.0	3.7
PENNANT II	4.7	2.7	3.7
PST-2M4	4.7	2.7	3.7
LPR 98-143	4.7	2.3	3.5
CABO (CIS-PR-80)	4.0	2.7	3.3
CIS-PR-84	3.7	3.0	3.3
MANHATTAN 3	3.7	3.0	3.3
PST-2SBE	4.3	2.3	3.3
CHARGER II	3.7	2.7	3.2
MP107	4.0	2.3	3.2
LSD VALUE	4.1	2.9	3.1
C.V. (%)	25.8	28.8	25.0

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

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

TABLE 22.

PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
AT COLUMBIA (TRAFFIC STUDY), MO 2/
2001 DATA

NAME	TRAFFIC IN SPRING (MAY 14)				TRAFFIC IN FALL (OCTOBER 31)				MEAN (AFTER TRAFFIC)
	BEFORE TRAFFIC (APR. 6)	AFTER TRAFFIC (MAY 14)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	BEFORE TRAFFIC (SEP. 15)	AFTER TRAFFIC (OCT. 31)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	
GRAND SLAM (PST-2L96)	99.0	93.3	98.3	98.3	99.0	91.7	98.7	98.7	96.6
PENTIUM (NJ-6401)	99.0	95.0	98.7	98.7	98.3	90.0	96.0	96.0	96.1
PICK EX2	99.0	88.3	98.0	98.0	98.7	93.3	98.3	98.3	95.8
RACER II (PICK RC2)	99.0	91.7	98.3	98.3	97.3	91.0	97.3	97.3	95.7
EXACTA	98.3	90.0	97.3	97.3	98.0	91.7	97.3	97.3	95.5
APR 1237	99.0	90.0	98.7	98.7	94.3	91.7	95.7	95.7	95.4
PINNACLE II (BAR 9 B2)	99.0	93.3	98.7	98.7	95.7	86.7	97.0	97.0	95.4
GATOR 3 (CIS-PR-85)	98.3	93.3	98.3	98.3	93.0	88.3	95.7	95.7	95.2
BRIGHTSTAR SLT (PST-2A6B)	99.0	93.3	98.0	98.0	97.0	86.7	96.0	96.0	94.9
CATALINA II (PST-CATS)	99.0	93.3	98.0	98.0	97.0	85.0	97.0	97.0	94.8
PREMIER II	99.0	90.0	97.3	97.3	93.0	88.3	97.0	97.0	94.8
PICK FR 1-94	98.7	85.0	98.0	98.0	96.3	91.7	97.3	97.3	94.7
PLEASURE XL	99.0	88.3	98.0	98.0	97.3	88.3	97.0	97.0	94.7
BARLENNIUM	99.0	91.7	98.7	98.7	97.0	85.0	96.0	96.0	94.6
CHURCHILL	98.7	86.7	98.3	98.3	97.0	88.3	97.3	97.3	94.6
SR 4500	98.7	88.3	98.0	98.0	92.7	88.3	97.0	97.0	94.6
AMAZING (B1)	98.7	90.0	96.3	96.3	98.3	88.3	97.0	97.0	94.4
PARAGON	98.7	85.0	96.3	96.3	97.0	91.7	97.3	97.3	94.4
PARADIGM (APR 1236)	99.0	91.7	98.3	98.3	95.0	81.7	97.0	97.0	94.3
AFFIRMED	98.3	88.3	96.3	96.3	95.7	86.7	97.3	97.3	94.2
BLAZER IV (PICK MDR)	98.0	83.3	96.3	96.3	95.0	91.7	97.3	97.3	93.9
PIZZAZZ	98.3	88.3	96.3	96.3	93.3	86.7	96.0	96.0	93.8
PST-2RT	99.0	85.0	97.0	97.0	96.3	88.3	97.3	97.3	93.8
PST-2M4	98.7	90.0	98.7	98.7	97.7	83.3	95.0	95.0	93.6
CITATION FORE (PST-2BR)	99.0	90.0	98.3	98.3	98.3	83.3	94.3	94.3	93.4
INSPIRE (R8000)	98.3	86.7	93.3	93.3	96.0	90.0	97.3	97.3	93.4
AFFINITY	99.0	88.3	95.3	95.3	92.3	83.3	97.0	97.0	93.3
APR 1235	99.0	85.0	97.0	97.0	96.0	88.3	95.7	95.7	93.2
LPR 98-144	98.3	83.3	94.7	94.7	96.3	90.0	97.3	97.3	93.2
MANHATTAN 4 (PST-2CRL)	98.7	90.0	98.3	98.3	97.3	81.7	94.3	94.3	93.2
NEXUS	99.0	91.7	97.3	97.3	90.7	80.0	95.3	95.3	93.2
SPLENDID (MB 411)	97.3	85.0	97.0	97.0	94.7	88.3	95.7	95.7	93.2
PHANTOM	99.0	86.7	95.0	95.0	91.7	88.3	95.0	95.0	93.1
PST-2SBE	98.3	86.7	97.0	97.0	97.3	85.0	94.3	94.3	93.1
ALL STAR2 (CIS-PR-78)	99.0	85.0	96.0	96.0	90.0	86.7	96.3	96.3	93.0
ABT-99-4.115	99.0	88.3	98.0	98.0	92.7	81.7	95.0	95.0	92.9
ADMIRE (JR-151)	99.0	91.7	97.0	97.0	92.0	80.0	93.3	93.3	92.8
APR 1232	99.0	83.3	96.0	96.0	96.3	86.7	96.0	96.0	92.8
SALINAS (PST-2SLX)	98.7	86.7	96.3	96.3	97.3	81.7	97.0	97.0	92.8
ABT-99-4.815	98.3	88.3	95.3	95.3	94.3	83.3	94.3	94.3	92.7
PICK FRNGS	98.7	88.3	96.0	96.0	97.7	83.3	95.0	95.0	92.7
ABT-99-4.965	98.3	86.7	97.0	97.0	96.0	83.3	94.3	94.3	92.6
CATHEDRAL II	98.7	85.0	97.0	97.0	96.3	81.7	97.0	97.0	92.6
COURAGE (MB 410)	98.7	91.7	97.0	97.0	98.3	80.0	92.7	92.7	92.6
MAJESTY	99.0	86.7	94.7	94.7	94.7	83.3	96.7	96.7	92.6
WVPB-R-84	99.0	86.7	94.3	94.3	96.3	85.0	96.0	96.0	92.6
ABT-99-4.600	97.3	86.7	95.3	95.3	98.3	86.7	94.7	94.7	92.5
APR 776	98.7	86.7	96.0	96.0	97.0	81.7	94.3	94.3	92.4

TABLE 22. (CONT'D)

PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
 AT COLUMBIA (TRAFFIC STUDY), MO 2/
 2001 DATA

NAME	TRAFFIC IN SPRING (MAY 14)				TRAFFIC IN FALL (OCTOBER 31)				MEAN (AFTER TRAFFIC)
	BEFORE TRAFFIC (APR. 6)	AFTER TRAFFIC (MAY 14)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	BEFORE TRAFFIC (SEP. 15)	AFTER TRAFFIC (OCT. 31)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	
SECRETARIAT	99.0	85.0	94.3	94.3	99.0	86.7	95.0	95.0	92.4
ABT-99-4.721	98.3	86.7	95.7	95.7	98.0	81.7	94.3	94.3	92.2
PASSPORT	98.0	81.7	97.0	97.0	95.7	86.7	94.0	94.0	92.2
PICK PR B-97	97.3	83.3	94.3	94.3	93.3	85.0	96.0	96.0	92.2
PST-2JH	98.7	86.7	95.3	95.3	97.7	85.0	93.0	93.0	92.2
JR-128	98.3	88.3	95.3	95.3	96.0	81.7	93.3	93.3	92.1
RACER	99.0	88.3	91.0	91.0	96.3	86.7	96.0	96.0	92.1
EXTREME (JR-317)	98.3	83.3	94.3	94.3	93.3	83.3	96.0	96.0	92.0
CABO (CIS-PR-80)	97.7	85.0	94.3	94.3	93.3	85.0	94.7	94.7	91.9
MANHATTAN 3	98.7	86.7	97.0	97.0	93.3	80.0	93.3	93.3	91.9
TERRADYNE (A5C)	98.0	80.0	94.3	94.3	95.3	88.3	95.0	95.0	91.9
CHARISMATIC (LTP 98-501)	97.7	85.0	94.0	94.0	94.3	81.7	96.0	96.0	91.7
FIESTA 3	97.7	80.0	93.0	93.0	97.3	88.3	95.3	95.3	91.7
KOOS R-71	98.7	86.7	96.3	96.3	95.3	81.7	92.0	92.0	91.7
DIVINE	99.0	81.7	93.3	93.3	96.0	85.0	95.7	95.7	91.6
LTP-ME	97.3	80.0	91.7	91.7	94.7	86.7	97.0	97.0	91.6
PREMIER	98.7	86.7	97.0	97.0	91.0	78.3	93.3	93.3	91.6
CATALINA	98.7	85.0	96.0	96.0	94.3	80.0	94.3	94.3	91.5
ABT-99-4.560	98.3	85.0	97.0	97.0	95.7	78.3	93.3	93.3	91.4
UT-1000 (ABT-99-4.709)	97.7	85.0	97.0	97.0	92.3	80.0	93.3	93.3	91.4
LINE DRIVE	98.3	83.3	97.0	97.0	93.3	80.0	93.3	93.3	91.3
CIS-PR-75	97.3	81.7	93.3	93.3	94.0	85.0	94.3	94.3	91.2
LPR 98-143	98.0	78.3	94.3	94.3	91.0	83.3	96.0	96.0	91.1
SEVILLE II	99.0	83.3	96.0	96.0	96.0	83.3	91.7	91.7	91.1
MONTEREY II (JR-187)	98.0	81.7	97.0	97.0	93.3	81.7	93.3	93.3	91.0
MDP	97.7	83.3	94.3	94.3	92.7	81.7	93.3	93.3	90.9
PROSPORT (AG-P981)	98.0	83.3	97.0	97.0	90.0	81.7	91.7	91.7	90.9
ABT-99-4.339	99.0	85.0	96.0	96.0	93.0	76.7	93.3	93.3	90.7
ABT-99-4.625	95.3	81.7	94.7	94.7	96.0	81.7	93.3	93.3	90.7
PST-2LA	99.0	80.0	94.7	94.7	94.3	81.7	93.3	93.3	90.4
ABT-99-4.724	98.0	83.3	96.3	96.3	92.3	80.0	90.0	90.0	90.3
HEADSTART	99.0	86.7	97.0	97.0	92.3	76.7	90.0	90.0	90.2
SUMMERSET (MB 413)	97.7	81.7	93.3	93.3	96.0	81.7	93.0	93.0	90.2
APPLAUD (PENNINGTON-11301)	97.0	75.0	90.0	90.0	96.3	86.7	96.3	96.3	90.1
RADIANT	98.3	81.7	96.3	96.3	91.7	80.0	90.7	90.7	90.0
SKYHAWK	99.0	85.0	97.0	97.0	91.3	76.7	90.0	90.0	90.0
MP107	98.7	83.3	97.0	97.0	93.0	76.7	91.7	91.7	89.9
STELLAR (CIS-PR-72)	97.0	81.7	94.3	94.3	94.3	78.3	92.7	92.7	89.9
ABT-99-4.464	97.7	85.0	94.3	94.3	97.3	80.0	90.0	90.0	89.8
BY-100	98.0	81.7	95.0	95.0	91.0	76.7	92.7	92.7	89.8
EDGE	97.7	81.7	94.3	94.3	88.3	78.3	92.7	92.7	89.7
CHARGER II	99.0	80.0	93.3	93.3	94.7	78.3	92.7	92.7	89.5
GALLERY (MB 412)	94.3	80.0	94.3	94.3	95.0	81.7	91.7	91.7	89.5
SR 4420 (SRX 4820)	95.0	81.7	94.3	94.3	97.3	78.3	91.7	91.7	89.4
WVPB-R-82	98.7	86.7	96.0	96.0	88.3	75.0	88.3	88.3	89.4
KOKOMO (CIS-PR-69)	98.7	81.7	94.3	94.3	94.0	78.3	91.7	91.7	89.3
PICK PR QH-97	97.0	76.7	93.3	93.3	89.7	81.7	93.3	93.3	89.3
JET	98.7	80.0	94.3	94.3	91.0	80.0	90.0	90.0	89.2

TABLE 22. (CONT'D)

PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
AT COLUMBIA (TRAFFIC STUDY), MO 2/
2001 DATA

NAME	TRAFFIC IN SPRING (MAY 14)				TRAFFIC IN FALL (OCTOBER 31)				MEAN (AFTER TRAFFIC)
	BEFORE TRAFFIC (APR. 6)	AFTER TRAFFIC (MAY 14)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	BEFORE TRAFFIC (SEP. 15)	AFTER TRAFFIC (OCT. 31)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	
PENNANT II	98.0	80.0	93.3	93.3	91.0	81.7	91.0	91.0	89.2
APR 1231	98.7	83.3	95.3	95.3	95.0	75.0	90.0	90.0	89.1
BRIGHTSTAR II	98.3	83.3	94.3	94.3	97.0	71.7	92.7	92.7	89.1
PST-2CRR	97.7	85.0	96.0	96.0	83.3	71.7	90.0	90.0	89.1
ELFKIN	97.7	83.3	92.7	92.7	88.3	78.3	90.0	90.0	89.0
ASCEND	98.0	83.3	92.7	92.7	90.0	81.7	88.7	88.7	88.8
PACESETTER (6011)	98.3	78.3	96.0	96.0	92.7	78.3	90.0	90.0	88.7
WILMINGTON	97.0	76.7	94.3	94.3	89.3	80.0	91.3	91.3	88.6
SR 4220 (SRX 4801)	98.0	81.7	93.7	93.7	94.7	76.7	91.0	91.0	88.5
MEPY	97.7	85.0	97.0	97.0	89.3	73.3	86.7	86.7	88.4
PALMER III	96.7	81.7	94.7	94.7	85.0	75.0	91.0	91.0	88.4
SUPERSTAR (EP57)	98.0	83.3	95.0	95.0	90.0	73.3	90.0	90.0	88.4
CIS-PR-84	97.0	83.3	94.3	94.3	91.0	76.7	88.7	88.7	88.2
ALLSPORT	97.7	83.3	93.3	93.3	91.0	75.0	88.3	88.3	88.1
MB 414	98.7	86.7	95.7	95.7	89.7	75.0	85.7	85.7	88.0
ABT-99-4.834	98.0	81.7	91.7	91.7	93.3	76.7	90.0	90.0	87.8
APR 1234	99.0	76.7	93.3	93.3	94.7	76.7	91.0	91.0	87.8
MACH 1 (ROBERTS-627)	97.0	80.0	88.0	88.0	97.0	78.3	91.0	91.0	87.6
MP88	98.7	88.3	96.3	96.3	90.0	68.3	85.0	85.0	87.5
PROWLER (APR 777)	98.7	85.0	97.0	97.0	95.3	70.0	85.0	85.0	87.5
DLF-LDD	98.0	85.0	94.3	94.3	96.0	75.0	84.7	84.7	87.4
EPD	95.7	75.0	89.3	89.3	93.3	78.3	94.3	94.3	87.3
DP 17-9391	96.7	81.7	93.3	93.3	90.7	71.7	86.7	86.7	87.0
BUCCANEER	98.3	73.3	93.3	93.3	86.7	75.0	90.0	90.0	86.8
SRX 4120	95.7	70.0	89.3	89.3	94.7	81.7	90.0	90.0	86.1
PANTHER	97.7	76.7	90.0	90.0	88.3	76.7	86.7	86.7	85.7
APR 1233	98.7	73.3	90.0	90.0	88.3	73.3	91.0	91.0	85.6
MP103	96.7	75.0	92.7	92.7	90.7	73.3	85.0	85.0	85.6
HAWKEYE (SRX 4RHT)	93.3	71.7	88.3	88.3	90.0	75.0	91.0	91.0	85.2
DP 17-9069	95.3	71.7	92.7	92.7	89.7	71.7	88.3	88.3	84.9
EP53	97.0	76.7	92.7	92.7	88.3	66.7	86.7	86.7	84.8
PROMISE	97.7	80.0	89.0	89.0	94.3	75.0	84.7	84.7	84.8
CAS-LP84	98.0	86.7	97.0	97.0	79.3	63.3	78.3	78.3	84.6
DP LP-1	95.3	70.0	91.7	91.7	90.0	68.3	88.3	88.3	84.0
YATSUGREEN	97.3	60.0	81.7	81.7	91.0	75.0	93.3	93.3	81.7
DP 17-9496	95.3	63.3	90.0	90.0	93.3	60.0	78.3	78.3	77.6
CALYPSO II	86.0	60.0	73.3	73.3	88.3	75.0	85.0	85.0	77.2
LINN	8.3	1.3	8.3	8.3	0.0	6.7	11.7	11.7	8.6
LSD VALUE	3.2	12.9	7.1	7.1	9.7	17.8	10.5	10.5	7.7
C.V. (%)	2.3	9.6	5.0	5.0	6.7	12.1	7.1	7.1	5.6

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

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

TABLE 23.

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
AT PUYALLUP (TRAFFIC STUDY), WA 1/
2001 DATA

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

NAME	APRIL	MAY	MEAN	NAME	APRIL	MAY	MEAN
CITATION FORE (PST-2BR)	6.0	5.7	5.8	GALLERY (MB 412)	5.3	4.0	4.7
MANHATTAN 4 (PST-2CRL)	6.0	5.7	5.8	LPR 98-143	4.7	4.7	4.7
PST-2SBE	6.0	5.3	5.7	MP107	5.0	4.3	4.7
BLAZER IV (PICK MDR)	5.3	5.7	5.5	PALMER III	4.3	5.0	4.7
GRAND SLAM (PST-2L96)	5.7	5.3	5.5	PENNANT II	5.0	4.3	4.7
SALINAS (PST-2SLX)	5.3	5.3	5.3	PINNACLE II (BAR 9 B2)	4.7	4.7	4.7
SEVILLE II	5.3	5.3	5.3	PST-2M4	4.7	4.7	4.7
SPLENDID (MB 411)	5.7	5.0	5.3	SECRETARIAT	4.3	5.0	4.7
MP103	5.0	5.3	5.2	SUMMERSET (MB 413)	5.0	4.3	4.7
NEXUS	6.0	4.3	5.2	ABT-99-4.724	5.0	4.0	4.5
PST-2LA	6.0	4.3	5.2	AMAZING (B1)	4.7	4.3	4.5
SR 4420 (SRX 4820)	5.3	5.0	5.2	BY-100	4.3	4.7	4.5
ABT-99-4.721	5.0	5.0	5.0	CATHEDRAL II	4.3	4.7	4.5
ABT-99-4.965	5.0	5.0	5.0	COURAGE (MB 410)	4.3	4.7	4.5
APR 1237	5.3	4.7	5.0	DP 17-9391	4.3	4.7	4.5
BRIGHTSTAR II	5.3	4.7	5.0	EXTREME (JR-317)	4.3	4.7	4.5
CHARISMATIC (LTP 98-501)	4.7	5.3	5.0	HAWKEYE (SRX 4RHT)	4.7	4.3	4.5
CIS-PR-75	5.0	5.0	5.0	KOKOMO (CIS-PR-69)	4.3	4.7	4.5
GATOR 3 (CIS-PR-85)	5.0	5.0	5.0	LPR 98-144	4.3	4.7	4.5
INSPIRE (R8000)	5.0	5.0	5.0	MDP	4.3	4.7	4.5
JET	4.7	5.3	5.0	MONTEREY II (JR-187)	4.3	4.7	4.5
PARAGON	5.0	5.0	5.0	MP88	4.7	4.3	4.5
PENTIUM (NJ-6401)	5.0	5.0	5.0	PARADIGM (APR 1236)	4.3	4.7	4.5
PICK PRNGS	5.0	5.0	5.0	PICK PR 1-94	4.3	4.7	4.5
PST-2JH	5.3	4.7	5.0	PROMISE	4.3	4.7	4.5
SR 4220 (SRX 4801)	5.0	5.0	5.0	PST-2CRR	5.0	4.0	4.5
STELLAR (CIS-PR-72)	5.3	4.7	5.0	RADIANT	4.3	4.7	4.5
ABT-99-4.834	4.7	5.0	4.8	SR 4500	5.0	4.0	4.5
ALLSPORT	5.0	4.7	4.8	WVPB-R-84	4.3	4.7	4.5
APPIAUD (PENNINGTON-11301)	5.0	4.7	4.8	ABT-99-4.115	4.0	4.7	4.3
CALYPSO II	4.7	5.0	4.8	ABT-99-4.464	4.7	4.0	4.3
DLF-LDD	5.0	4.7	4.8	ABT-99-4.815	4.3	4.3	4.3
LTP-ME	5.0	4.7	4.8	AFFINITY	4.3	4.3	4.3
MB 414	4.7	5.0	4.8	AFFIRMED	4.0	4.7	4.3
PACESETTER (6011)	4.7	5.0	4.8	ALL STAR2 (CIS-PR-78)	4.0	4.7	4.3
PASSPORT	5.0	4.7	4.8	APR 1235	4.0	4.7	4.3
PIZZAZZ	4.7	5.0	4.8	CHURCHILL	4.7	4.0	4.3
TERRADYNE (A5C)	5.0	4.7	4.8	FIESTA 3	4.0	4.7	4.3
UT-1000 (ABT-99-4.709)	4.7	5.0	4.8	KOOS R-71	4.3	4.3	4.3
WILMINGTON	4.7	5.0	4.8	MEPY	4.7	4.0	4.3
APR 1231	5.0	4.3	4.7	PANTHER	4.3	4.3	4.3
BRIGHTSTAR SLT (PST-2A6B)	5.0	4.3	4.7	PICK PR B-97	4.3	4.3	4.3
CABO (CIS-PR-80)	4.7	4.7	4.7	PICK PR QH-97	4.3	4.3	4.3
CAS-LP84	4.3	5.0	4.7	PREMIER II	4.0	4.7	4.3
CIS-PR-84	4.7	4.7	4.7	ABT-99-4.339	4.3	4.0	4.2
ELFKIN	5.0	4.3	4.7	ABT-99-4.560	4.0	4.3	4.2

TABLE 23. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) AT PUYALLUP (TRAFFIC STUDY), WA 1/
 2001 DATA
 RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	APRIL	MAY	MEAN
ADMIRE (JR-151)	4.0	4.3	4.2
ASCEND	4.3	4.0	4.2
BARLENNIUM	4.0	4.3	4.2
CATALINA	4.3	4.0	4.2
CATALINA II (PST-CATS)	4.0	4.3	4.2
CHARGER II	4.0	4.3	4.2
DIVINE	4.0	4.3	4.2
DP 17-9496	4.3	4.0	4.2
EPD	4.7	3.7	4.2
EXACTA	4.3	4.0	4.2
JR-128	4.0	4.3	4.2
LINE DRIVE	4.0	4.3	4.2
LINN	4.3	4.0	4.2
MACH 1 (ROBERTS-627)	4.0	4.3	4.2
MAJESTY	4.3	4.0	4.2
MANHATTAN 3	4.7	3.7	4.2
PICK EX2	4.3	4.0	4.2
PROSPORT (AG-P981)	4.3	4.0	4.2
RACER	4.3	4.0	4.2
ABT-99-4.600	4.0	4.0	4.0
ABT-99-4.625	3.7	4.3	4.0
APR 1232	4.0	4.0	4.0
APR 776	3.7	4.3	4.0
BUCCANEER	3.7	4.3	4.0
PLEASURE XL	4.0	4.0	4.0
PROWLER (APR 777)	3.7	4.3	4.0
PST-2RT	4.0	4.0	4.0
RACER II (PICK RC2)	3.7	4.3	4.0
SKYHAWK	4.3	3.7	4.0
SRX 4120	3.7	4.3	4.0
DP LP-1	3.7	4.0	3.8
EP53	3.7	4.0	3.8
HEADSTART	4.0	3.7	3.8
SUPERSTAR (EP57)	4.0	3.7	3.8
WVPB-R-82	4.0	3.7	3.8
DP 17-9069	3.3	4.0	3.7
PHANTOM	3.7	3.7	3.7
PREMIER	3.7	3.7	3.7
APR 1233	3.7	3.3	3.5
EDGE	3.3	3.3	3.3
YATSUGREEN	3.7	3.0	3.3
APR 1234	3.0	3.3	3.2
LSD VALUE	1.4	1.8	1.2
C.V. (%)	15.7	16.0	13.4

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

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

TABLE 24.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT PUYALLUP (TRAFFIC STUDY), WA 1/
2001 DATA

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

NAME	AFTER TRAFFIC IN JUNE					AFTER TRAFFIC IN SEPTEMBER			AFTER TRAFFIC IN NOVEMBER			DENSITY ON NONTRAFFIC AREAS			
	QUALITY 2 WEEKS	DENSITY 2 WEEKS	QUALITY 4 WEEKS	DENSITY 4 WEEKS	QUALITY 8 WEEKS	QUALITY 6 WEEKS	QUALITY 8 WEEKS	DENSITY 8 WEEKS	QUALITY 2 WEEKS	DENSITY 2 WEEKS	DENSITY 4 WEEKS	SEP.19	NOV.16	DEC.2	DEC.17
ABT-99-4.560	3.7	6.0	4.3	6.3	5.0	3.3	3.3	4.0	3.7	5.0	5.0	6.7	7.0	7.7	9.0
ABT-99-4.721	4.0	5.7	4.3	6.0	4.7	4.0	3.7	4.7	4.0	5.0	5.0	7.3	7.3	8.7	9.0
ABT-99-4.724	4.0	6.0	4.3	6.7	5.3	2.7	3.3	4.3	3.7	5.3	5.3	7.0	8.0	8.3	9.0
ABT-99-4.834	4.7	5.3	4.3	6.7	5.0	4.0	4.0	5.7	4.0	6.3	6.3	7.3	7.3	8.0	9.0
ALL STAR2 (CIS-PR-78)	4.0	5.7	4.0	6.0	5.0	3.7	3.7	5.0	4.0	5.0	6.0	6.3	7.3	7.7	9.0
AMAZING (B1)	4.3	6.0	4.3	6.0	5.0	3.7	3.7	4.3	4.0	5.0	5.3	7.3	7.3	8.0	9.0
APPLAUD (PENNINGTON-11301)	4.7	6.0	4.3	6.7	5.3	4.3	4.0	5.0	4.0	6.3	5.7	6.7	8.0	8.3	9.0
BLAZER IV (PICK MDR)	4.0	5.7	4.0	5.7	5.0	4.0	3.3	4.3	3.7	4.7	5.0	7.7	7.3	8.7	9.0
BRIGHTSTAR II	4.3	6.7	4.7	6.3	4.7	3.7	3.0	4.0	4.0	4.7	5.3	7.3	8.3	9.0	9.0
CAS-LP84	4.7	7.0	4.0	6.0	5.0	3.0	3.0	4.3	4.0	5.3	5.3	6.3	6.7	8.0	9.0
CATALINA II (PST-CATS)	4.3	6.0	4.3	6.7	5.3	4.3	4.0	5.3	4.0	5.3	5.7	7.7	8.0	8.7	9.0
CHARISMATIC (LTP 98-501)	4.0	4.7	4.0	6.0	4.7	3.7	3.7	5.3	3.7	5.0	5.0	7.0	7.7	8.7	9.0
CITATION FORE (PST-2BR)	4.3	5.7	4.7	6.0	5.0	3.7	4.0	5.0	4.0	5.0	5.0	7.7	8.0	8.3	9.0
DLF-LDD	4.0	5.3	4.7	6.3	6.0	3.7	4.3	5.3	4.0	5.3	5.3	8.0	7.7	8.7	9.0
DP 17-9069	4.0	6.0	4.0	6.3	5.0	3.3	3.0	4.0	3.7	4.7	4.7	6.3	6.3	8.3	9.0
ELFKIN	3.7	5.7	4.0	5.7	4.7	3.7	3.3	4.7	3.7	5.7	5.3	7.0	7.7	8.3	9.0
GATOR 3 (CIS-PR-85)	4.3	5.7	4.7	6.7	5.7	3.7	3.7	4.7	4.0	5.3	5.7	7.7	8.3	8.7	9.0
GRAND SLAM (PST-2L96)	3.3	5.3	4.3	6.0	5.0	3.0	3.0	5.0	4.0	5.3	5.7	7.3	7.7	8.3	9.0
HAWKEYE (SRX 4RHT)	4.3	5.7	4.3	5.7	5.3	4.0	3.7	5.0	4.0	6.0	6.0	7.3	7.7	8.7	9.0
INSPIRE (R8000)	3.7	5.0	4.7	6.3	5.0	3.3	3.0	4.3	3.7	4.7	5.3	7.7	7.3	8.7	9.0
JET	4.3	5.7	4.7	6.7	5.0	3.0	3.7	4.7	3.3	5.0	4.3	7.3	7.7	8.7	9.0
KOKOMO (CIS-PR-69)	4.7	6.3	4.7	6.3	5.7	4.0	4.3	5.3	4.0	6.0	5.7	7.0	7.7	7.7	9.0
LINE DRIVE	3.7	6.3	4.3	6.0	4.3	3.3	3.3	4.3	4.0	5.0	5.7	7.0	7.7	7.7	9.0
MACH 1 (ROBERTS-627)	4.0	5.3	4.0	5.7	5.3	3.7	3.7	5.0	4.0	5.3	5.7	7.3	8.0	9.0	9.0
MANHATTAN 4 (PST-2CRL)	4.3	5.7	4.3	6.0	5.0	4.0	3.3	5.0	4.0	6.0	6.3	7.0	7.7	8.3	9.0
PARAGON	4.3	5.7	4.0	6.0	5.0	3.0	3.0	4.0	3.7	4.3	4.7	6.7	7.7	7.7	9.0
PENTIUM (NJ-6401)	4.3	6.3	5.0	6.7	5.7	4.3	3.7	5.0	4.0	6.0	5.7	7.0	7.3	8.7	9.0
PICK PR 1-94	4.0	6.0	4.0	6.0	5.0	3.7	3.7	4.7	4.0	4.7	5.0	7.3	7.7	8.0	9.0
PINNACLE II (BAR 9 B2)	4.3	6.0	4.3	6.3	5.0	3.3	3.7	4.7	4.0	4.7	5.0	7.0	7.7	8.7	9.0
PIZZAZZ	4.0	5.3	3.7	5.3	4.3	3.7	4.0	5.0	4.0	5.0	5.7	6.7	7.7	8.0	9.0
PREMIER II	3.7	5.3	4.0	6.0	5.0	3.7	3.7	4.7	4.0	5.3	5.3	6.7	7.3	8.0	9.0
PROMISE	4.0	6.0	4.3	6.0	4.7	3.7	3.3	4.7	4.0	6.0	5.0	6.7	7.0	7.7	9.0
PST-2LA	4.7	6.3	4.7	7.0	5.7	3.7	3.3	4.3	4.0	5.3	5.3	7.0	7.3	8.0	9.0
RACER II (PICK RC2)	4.3	5.7	4.7	6.3	4.7	3.7	3.0	4.0	4.0	5.7	5.7	7.0	6.7	7.7	9.0
SEVILLE II	4.0	6.0	5.3	6.7	6.0	4.0	3.7	4.7	4.0	5.3	5.3	7.7	8.3	8.7	9.0
SR 4220 (SRX 4801)	4.0	5.3	4.3	6.3	4.3	3.7	3.7	5.0	4.0	5.3	5.3	6.7	8.0	8.7	9.0
SR 4420 (SRX 4820)	4.7	6.0	4.7	6.0	5.3	3.7	3.7	4.3	4.0	5.3	5.7	8.0	8.0	8.3	9.0
STELLAR (CIS-PR-72)	4.0	5.3	4.0	6.3	5.0	4.3	3.7	4.7	3.7	5.0	5.3	7.3	8.0	8.7	9.0
TERRADYNE (A5C)	4.7	5.7	5.0	6.3	6.0	3.3	3.3	5.3	3.7	5.0	4.3	7.7	7.7	8.7	9.0
ABT-99-4.115	4.0	5.3	4.3	6.3	4.7	3.3	3.0	4.7	4.0	5.3	5.0	6.7	7.3	8.3	8.7
ABT-99-4.965	3.7	5.0	4.0	6.3	5.3	2.7	3.3	4.0	3.3	5.0	4.3	7.0	7.7	8.3	8.7
CALYPSO II	4.7	5.7	4.7	6.7	5.7	3.3	3.3	4.3	4.0	5.0	5.0	7.7	7.3	7.3	8.7
CATALINA	3.7	5.3	3.7	6.0	4.3	3.3	3.0	4.0	3.7	5.0	5.0	7.0	7.0	8.0	8.7
CATHEDRAL II	4.7	6.3	4.0	6.3	4.7	4.0	4.0	5.0	3.7	5.0	5.0	7.0	7.0	7.3	8.7
CHARGER II	4.3	6.0	5.0	7.0	5.0	4.0	4.0	5.0	4.0	5.3	5.7	6.0	6.7	7.7	8.7
CIS-PR-84	3.3	5.3	4.3	6.7	5.7	3.7	3.0	4.3	4.0	5.0	5.0	7.3	8.3	8.7	8.7

TABLE 24. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT PUYALLUP (TRAFFIC STUDY), WA 1/
2001 DATA

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

NAME	AFTER TRAFFIC IN JUNE					AFTER TRAFFIC IN SEPTEMBER			AFTER TRAFFIC IN NOVEMBER			DENSITY ON NONTRAFFIC AREAS			
	QUALITY 2 WEEKS	DENSITY 2 WEEKS	QUALITY 4 WEEKS	DENSITY 4 WEEKS	QUALITY 8 WEEKS	QUALITY 6 WEEKS	QUALITY 8 WEEKS	DENSITY 8 WEEKS	QUALITY 2 WEEKS	DENSITY 2 WEEKS	DENSITY 4 WEEKS	SEP.19	NOV.16	DEC.2	DEC.17
DIVINE	3.3	5.3	4.0	5.7	4.3	3.3	3.3	4.0	3.7	5.3	4.3	7.0	7.3	7.7	8.7
DP LP-1	4.0	5.7	3.3	5.3	4.3	3.3	2.7	3.7	3.3	4.3	4.3	6.0	7.0	7.7	8.7
EXACTA	4.0	5.0	4.0	6.3	5.0	3.3	3.7	4.3	3.7	4.3	5.0	6.7	7.3	8.3	8.7
HEADSTART	4.0	5.0	3.3	5.3	4.3	2.7	3.3	4.3	3.7	4.3	4.7	6.3	6.3	7.7	8.7
JR-128	4.3	6.0	4.3	6.3	4.7	3.0	3.0	4.0	3.3	4.3	4.7	6.3	7.0	7.3	8.7
MAJESTY	4.0	5.0	4.3	6.0	4.7	3.0	3.0	4.0	3.3	4.3	4.0	7.0	6.7	7.7	8.7
MB 414	3.7	5.3	4.0	6.0	4.7	3.3	2.7	3.7	3.3	4.3	4.3	7.3	7.7	7.7	8.7
MEPY	4.0	5.7	4.3	6.3	4.7	3.0	3.7	4.3	3.3	5.0	5.0	6.0	6.7	7.3	8.7
MP103	3.7	5.7	4.0	6.3	4.7	3.3	3.3	4.3	3.3	4.3	4.3	7.0	7.3	8.0	8.7
MP107	3.0	4.7	3.7	5.7	4.7	3.0	3.0	4.0	3.3	4.0	4.7	6.3	6.7	7.0	8.7
PACESETTER (6011)	4.7	6.7	4.3	6.0	5.0	3.0	3.3	4.7	3.3	5.0	4.7	7.0	7.7	8.3	8.7
PALMER III	4.3	6.3	4.3	5.7	5.0	3.7	3.7	4.3	3.7	4.7	5.3	6.7	7.0	7.7	8.7
PANTHER	4.7	6.3	5.0	7.0	6.3	3.7	3.3	4.3	3.7	5.0	4.7	7.3	7.0	7.7	8.7
PENNANT II	4.0	6.0	4.3	6.0	5.7	4.0	4.0	4.7	4.0	5.3	5.7	7.3	7.7	8.0	8.7
PICK PR QH-97	4.7	6.3	4.7	7.0	5.0	3.3	3.3	4.0	3.7	5.0	4.7	7.3	7.3	8.0	8.7
SALINAS (PST-2SLX)	4.0	5.3	4.7	6.7	4.7	3.0	3.3	4.7	3.3	4.3	4.3	7.0	7.3	8.3	8.7
SR 4500	4.0	5.3	4.3	6.7	5.3	3.3	3.3	4.3	3.3	4.7	5.0	8.0	7.7	7.7	8.7
UT-1000 (ABT-99-4.709)	4.3	6.3	4.3	6.3	5.0	4.0	3.7	5.0	3.7	5.3	5.3	6.7	7.0	7.7	8.7
WILMINGTON	3.3	6.0	3.7	6.0	4.7	2.7	3.0	4.0	4.0	4.7	4.3	7.3	7.7	8.3	8.7
ABT-99-4.464	4.0	6.0	4.0	5.7	4.7	3.7	3.3	4.0	4.0	5.3	5.0	6.7	6.7	7.7	8.3
ABT-99-4.600	3.7	5.3	3.7	5.7	5.3	3.3	3.0	3.7	3.3	4.0	4.3	6.3	6.7	7.7	8.3
ABT-99-4.815	3.7	5.3	4.3	6.0	5.0	3.7	3.7	4.7	4.0	4.7	4.7	7.3	6.7	7.3	8.3
ADMIRE (JR-151)	4.7	6.3	4.7	6.7	4.7	3.7	4.0	5.0	4.0	5.7	5.7	7.0	7.0	7.7	8.3
AFFIRMED	4.0	5.3	4.0	6.3	4.3	3.0	3.3	4.0	3.7	4.7	5.0	6.7	7.0	7.3	8.3
APR 1231	3.7	5.3	3.7	5.3	4.7	3.3	3.3	4.3	3.7	4.7	4.3	6.7	7.3	7.7	8.3
APR 1232	3.7	5.3	4.0	5.3	4.7	3.3	3.3	4.3	3.7	4.7	4.7	7.0	7.7	8.0	8.3
APR 1233	3.3	5.0	3.7	5.7	5.0	3.3	3.7	5.0	3.0	4.7	4.3	7.3	7.3	7.7	8.3
APR 1234	3.7	5.3	3.7	5.7	4.3	3.7	3.7	4.7	4.0	5.0	5.0	6.3	7.3	7.3	8.3
APR 776	4.0	5.7	3.7	5.7	4.0	2.7	3.0	4.0	3.7	4.7	4.3	6.3	7.0	7.3	8.3
BARLENNIUM	4.0	5.3	4.0	5.7	5.0	3.3	3.7	4.7	3.7	4.7	4.7	6.7	7.3	8.0	8.3
BRIGHTSTAR SLT (PST-2A6B)	4.7	5.7	4.0	6.0	4.7	4.0	3.7	5.0	4.0	5.7	5.3	6.7	7.0	7.3	8.3
CABO (CIS-PR-80)	3.7	5.7	4.0	6.3	4.3	3.3	3.3	4.3	4.0	5.3	5.0	7.3	7.7	8.0	8.3
CHURCHILL	4.0	6.0	4.3	6.0	5.0	3.3	3.3	4.7	3.7	4.3	4.7	6.7	7.0	8.0	8.3
CIS-PR-75	4.0	6.0	4.0	6.0	4.3	3.0	3.0	4.3	3.7	3.7	4.7	7.3	7.7	8.0	8.3
COURAGE (MB 410)	4.3	6.3	4.3	6.3	5.0	3.7	3.3	4.3	3.7	4.7	5.0	7.3	7.3	8.0	8.3
DP 17-9391	3.3	5.7	3.7	6.3	4.7	3.3	3.0	3.7	3.0	4.3	4.3	6.7	6.7	7.3	8.3
DP 17-9496	3.0	4.3	3.0	5.0	4.3	3.0	3.0	4.0	3.3	3.7	4.3	5.7	7.0	7.7	8.3
EP53	4.0	6.0	3.3	6.0	4.3	3.3	3.3	5.0	4.0	5.3	5.7	6.3	6.3	7.3	8.3
EPD	3.7	5.7	3.7	6.0	5.3	3.3	3.0	4.0	3.3	4.3	4.7	7.3	7.0	7.3	8.3
EXTREME (JR-317)	4.0	5.7	4.3	6.0	4.7	3.3	3.3	4.3	3.7	5.0	4.3	6.7	7.3	7.7	8.3
FIESTA 3	4.3	6.0	4.0	5.7	4.7	4.0	3.7	4.3	4.0	5.0	4.7	7.7	7.0	7.7	8.3
GALLERY (MB 412)	4.3	6.0	4.3	6.0	5.0	2.7	3.3	4.3	3.7	5.0	3.7	7.0	7.0	8.0	8.3
LPR 98-144	4.3	5.7	4.7	6.0	5.0	3.3	3.3	4.0	3.7	4.3	5.0	6.7	6.0	7.0	8.3
LTP-ME	3.7	5.7	3.7	6.0	4.3	2.7	3.0	4.0	3.7	5.0	4.3	5.7	6.7	7.7	8.3
MANHATTAN 3	4.3	6.3	4.0	6.0	4.3	4.0	3.3	4.3	4.0	5.0	4.7	6.7	7.0	7.3	8.3
MDP	4.0	5.0	4.3	6.0	4.3	3.0	3.0	4.3	3.7	4.3	4.7	6.0	6.7	7.0	8.3

TABLE 24. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT PUYALLUP (TRAFFIC STUDY), WA 1/
2001 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	AFTER TRAFFIC IN JUNE					AFTER TRAFFIC IN SEPTEMBER			AFTER TRAFFIC IN NOVEMBER			DENSITY ON NONTRAFFIC AREAS			
	QUALITY 2 WEEKS	DENSITY 2 WEEKS	QUALITY 4 WEEKS	DENSITY 4 WEEKS	QUALITY 8 WEEKS	QUALITY 6 WEEKS	QUALITY 8 WEEKS	DENSITY 8 WEEKS	QUALITY 2 WEEKS	DENSITY 2 WEEKS	DENSITY 4 WEEKS	SEP.19	NOV.16	DEC.2	DEC.17
MONTEREY II (JR-187)	4.3	5.7	4.0	6.0	5.0	3.0	3.0	4.0	4.0	4.7	5.0	7.7	7.0	8.0	8.3
MP88	4.0	6.3	4.3	6.3	4.7	3.7	3.7	4.3	4.0	5.7	5.0	6.7	6.7	8.0	8.3
PICK EX2	3.7	5.3	4.0	6.0	4.7	3.0	3.7	4.3	3.7	4.7	5.0	7.0	7.0	8.0	8.3
PREMIER	3.3	4.7	3.7	6.0	4.7	3.3	3.3	4.0	4.0	5.0	4.7	6.3	6.3	7.3	8.3
PST-2CRR	3.7	5.0	4.3	5.7	4.7	3.3	3.3	4.0	3.7	4.7	4.3	6.0	7.3	7.3	8.3
PST-2JH	4.0	5.3	4.3	7.0	5.7	3.0	3.0	4.3	4.0	5.0	5.0	6.3	7.0	7.7	8.3
PST-2M4	4.0	5.3	4.0	6.0	5.0	3.3	3.3	4.7	3.7	4.3	4.3	7.0	7.0	8.0	8.3
PST-2RT	4.3	6.0	4.0	6.7	5.0	3.7	3.3	4.3	4.0	5.0	5.0	7.0	7.0	7.7	8.3
PST-2SBE	4.3	6.0	4.3	6.3	5.0	3.7	3.3	4.3	3.7	5.3	5.0	6.7	7.0	7.7	8.3
RACER	4.3	6.0	4.0	6.0	5.3	3.3	2.7	4.0	3.7	5.0	4.7	7.3	6.7	7.7	8.3
RADIANT	4.3	6.7	4.0	6.3	4.7	3.0	3.3	4.3	3.3	4.3	5.0	7.7	7.3	8.0	8.3
SECRETARIAT	4.0	6.0	4.0	5.7	4.3	3.7	3.3	4.3	3.3	4.3	4.7	6.7	7.0	8.0	8.3
SKYHAWK	3.7	5.7	4.0	6.0	5.3	3.7	3.3	4.3	4.0	4.7	4.3	7.3	7.3	7.3	8.3
SPLendid (MB 411)	4.0	6.0	4.3	7.0	5.0	3.3	2.7	3.7	3.3	4.7	4.7	7.7	7.0	8.0	8.3
SRX 4120	4.0	6.0	4.3	6.7	5.0	3.7	3.3	4.0	4.0	5.3	5.0	7.0	6.7	7.7	8.3
SUMMERSET (MB 413)	4.0	6.0	4.3	6.3	5.3	3.0	3.0	4.0	3.7	5.0	4.3	7.7	7.0	7.7	8.3
SUPERSTAR (EP57)	3.7	5.3	3.7	5.0	4.0	3.3	3.0	4.0	4.0	4.7	4.7	6.7	6.3	7.3	8.3
WVPB-R-84	4.3	6.0	3.7	5.0	4.7	3.0	2.7	3.7	3.3	4.3	4.7	7.3	6.3	7.3	8.3
ABT-99-4.339	4.0	6.7	4.3	6.3	5.0	3.3	3.7	4.7	4.0	5.3	4.7	6.7	6.7	7.7	8.0
ABT-99-4.625	3.7	5.0	4.0	5.3	4.0	2.7	3.0	4.0	4.0	4.3	4.3	6.0	6.0	7.0	8.0
AFFINITY	3.3	5.0	3.7	6.0	5.0	3.0	3.3	4.0	3.3	4.3	5.0	6.7	7.3	7.3	8.0
ALLSPORT	3.7	5.3	4.3	5.7	4.7	3.3	3.0	4.0	3.3	4.0	3.7	7.0	7.3	7.3	8.0
APR 1235	4.0	5.7	4.3	5.7	5.7	3.7	3.3	4.0	3.0	4.0	4.0	7.0	7.0	7.3	8.0
APR 1237	4.0	6.3	4.0	6.0	5.3	3.7	3.0	4.0	3.7	4.7	4.7	7.0	6.3	8.0	8.0
ASCEND	4.0	5.3	4.3	6.3	5.3	3.0	3.0	4.0	3.3	4.3	4.0	6.7	7.0	8.0	8.0
BUCCANEER	3.7	4.7	4.0	5.7	5.0	3.0	3.0	4.0	3.3	4.7	4.0	6.0	6.3	7.3	8.0
BY-100	3.3	5.0	4.0	6.0	4.7	3.0	3.0	4.3	3.7	4.7	4.3	7.3	7.0	7.7	8.0
EDGE	4.3	6.0	4.0	6.3	4.3	3.3	3.7	4.7	3.7	5.0	5.3	5.7	6.7	7.7	8.0
KOOS R-71	3.7	5.7	4.0	6.3	5.3	3.0	3.3	4.3	3.3	4.7	4.7	6.7	7.3	7.3	8.0
LPR 98-143	4.0	5.7	4.7	7.0	5.3	2.7	3.3	4.3	3.7	4.3	4.0	6.0	7.0	7.3	8.0
NEXUS	4.0	5.0	4.0	6.0	4.0	3.0	3.0	4.0	3.3	4.3	4.0	6.7	7.7	7.7	8.0
PARADIGM (APR 1236)	4.0	6.0	4.3	6.7	5.0	3.3	3.7	4.3	3.7	4.3	4.3	7.0	6.7	8.0	8.0
PASSPORT	4.7	6.0	4.7	6.7	5.0	3.3	3.0	4.0	3.7	5.3	5.0	6.3	6.7	7.3	8.0
PHANTOM	4.0	6.0	4.3	6.3	4.7	3.0	3.0	4.0	3.7	4.3	4.3	6.3	7.0	7.3	8.0
PICK PR B-97	4.3	6.0	4.3	6.3	5.3	3.3	3.3	4.3	3.7	4.7	4.7	7.0	7.0	8.0	8.0
PICK PRNGS	3.7	5.7	4.3	6.7	5.0	3.3	3.3	4.0	4.0	4.7	4.7	6.7	7.0	7.3	8.0
PLEASURE XL	4.0	5.3	4.0	5.7	4.3	3.3	3.0	4.3	3.7	4.3	4.0	7.0	6.7	7.7	8.0
PROSPORT (AG-P981)	3.7	5.3	4.0	6.3	5.0	2.7	3.0	4.0	3.7	4.3	4.3	6.3	7.3	8.0	8.0
PROWLER (APR 777)	3.3	5.3	3.7	5.7	4.3	3.0	3.0	3.7	3.7	4.7	4.0	6.3	6.7	7.7	8.0
WVPB-R-82	3.7	5.7	4.3	5.7	5.0	3.7	3.3	4.3	3.7	5.3	4.7	6.3	6.7	7.7	8.0
YATSUGREEN	3.3	4.7	3.3	5.3	4.7	3.3	2.7	3.7	3.7	4.0	4.7	6.0	6.3	7.0	8.0
LINN	3.7	5.0	3.3	5.0	3.3	2.3	2.0	2.3	2.3	3.0	3.0	5.0	6.0	7.0	7.3
LSD VALUE	2.5	4.5	3.4	3.8	2.4	1.4	1.3	1.3	1.3	2.5	1.5	1.6	1.1	1.2	0.8
C.V. (%)	15.9	15.5	16.4	12.9	14.7	16.9	15.4	13.9	12.0	16.9	14.7	10.4	8.1	7.6	4.9

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

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

TABLE 25. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
2001 DATA

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

NAME	MD2
PST-2RT	8.3
APR 1234	8.0
MAJESTY	8.0
PICK PR B-97	8.0
PST-2JH	8.0
ABT-99-4.464	7.7
ABT-99-4.965	7.7
CABO (CIS-PR-80)	7.7
CHARGER II	7.7
EPD	7.7
GRAND SLAM (PST-2L96)	7.7
MANHATTAN 4 (PST-2CRL)	7.7
PARADIGM (APR 1236)	7.7
PLEASURE XL	7.7
PST-2M4	7.7
STELLAR (CIS-PR-72)	7.7
UT-1000 (ABT-99-4.709)	7.7
ABT-99-4.721	7.3
ABT-99-4.724	7.3
BARLENNIUM	7.3
BRIGHTSTAR II	7.3
CALYPSO II	7.3
COURAGE (MB 410)	7.3
DLF-LDD	7.3
INSPIRE (R8000)	7.3
MP107	7.3
PROWLER (APR 777)	7.3
PST-2LA	7.3
PST-2SBE	7.3
RADIANT	7.3
SALINAS (PST-2SLX)	7.3
SR 4500	7.3
ABT-99-4.560	7.0
ADMIRE (JR-151)	7.0
ALL STAR2 (CIS-PR-78)	7.0
APPLAUD (PENNINGTON-11301)	7.0
APR 1233	7.0
BRIGHTSTAR SLT (PST-2A6B)	7.0
CHARISMATIC (LTP 98-501)	7.0
CITATION FORE (PST-2ER)	7.0
GATOR 3 (CIS-PR-85)	7.0
KOKOMO (CIS-PR-69)	7.0
LINE DRIVE	7.0
LPR 98-143	7.0
MB 414	7.0
MDP	7.0

TABLE 25. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	MD2
MP88	7.0
PREMIER II	7.0
RACER II (PICK RC2)	7.0
SKYHAWK	7.0
SR 4220 (SRX 4801)	7.0
ABT-99-4.600	6.7
ABT-99-4.815	6.7
AMAZING (B1)	6.7
APR 1235	6.7
APR 776	6.7
CATALINA II (PST-CATS)	6.7
CIS-PR-84	6.7
DIVINE	6.7
DP 17-9496	6.7
EDGE	6.7
ELFKIN	6.7
EP53	6.7
EXACTA	6.7
JET	6.7
MANHATTAN 3	6.7
PACESETTER (6011)	6.7
PENTIUM (NJ-6401)	6.7
PICK PR QH-97	6.7
PINNACLE II (BAR 9 B2)	6.7
PIZZAZZ	6.7
PREMIER	6.7
PROSPORT (AG-P981)	6.7
RACER	6.7
SEVILLE II	6.7
SRX 4120	6.7
SUPERSTAR (EP57)	6.7
WILMINGTON	6.7
WVPB-R-84	6.7
ABT-99-4.115	6.3
APR 1231	6.3
APR 1232	6.3
APR 1237	6.3
ASCEND	6.3
BLAZER IV (PICK MDR)	6.3
CAS-LP84	6.3
CATHEDRAL II	6.3
CHURCHILL	6.3
DP 17-9391	6.3
MEPY	6.3
NEXUS	6.3
PROMISE	6.3
PST-2CRR	6.3

TABLE 25. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/
(CONT'D) 2001 DATA

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

NAME	MD2
SECRETARIAT	6.3
SUMMERSET (MB 413)	6.3
TERRADYNE (A5C)	6.3
ABT-99-4.339	6.0
ABT-99-4.625	6.0
AFFIRMED	6.0
CIS-PR-75	6.0
FIESTA 3	6.0
GALLERY (MB 412)	6.0
KOOS R-71	6.0
MONTEREY II (JR-187)	6.0
PENNANT II	6.0
PHANTOM	6.0
PICK PRNGS	6.0
SPLENDID (MB 411)	6.0
ABT-99-4.834	5.7
BY-100	5.7
CATALINA	5.7
DP 17-9069	5.7
JR-128	5.7
LPR 98-144	5.7
MP103	5.7
PICK EX2	5.7
SR 4420 (SRX 4820)	5.7
DP LP-1	5.3
EXTREME (JR-317)	5.3
HAWKEYE (SRX 4RHT)	5.3
HEADSTART	5.3
MACH 1 (ROBERTS-627)	5.3
PALMER III	5.3
PARAGON	5.3
YATSUGREEN	5.3
AFFINITY	5.0
ALLSPORT	5.0
BUCCANEER	5.0
LTP-ME	5.0
PICK PR 1-94	5.0
WVPB-R-82	5.0
PANTHER	4.3
PASSPORT	3.0
LINN	2.7
LSD VALUE	1.5
C.V. (%)	14.3

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

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

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS
 IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST */
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF **/

NAME	STATISTICS FOR ALL LOCATIONS						
	ALL LOCATIONS		SUM OF	HIGHEST	LOWEST	MAXIMUM	
	MEAN 1/	RANK 2/	RANKS 3/	RANK 4/	RANK 5/	RANK 6/	IN TOP 25% 7/
ABT-99-4.115	6.0	28	1185	28	5	93	37.5
ABT-99-4.339	5.8	61	1593	65	17	125	16.7
ABT-99-4.464	5.9	38	1381	42	3	129	33.3
ABT-99-4.560	5.9	37	1355	40	3	133	37.5
ABT-99-4.600	5.6	105	2076	109	24	119	4.2
ABT-99-4.625	5.6	108	2168	113	14	132	8.3
ABT-99-4.721	6.1	14	1000	14	2	98	45.8
ABT-99-4.724	6.0	25	1189	29	3	117	50.0
ABT-99-4.815	5.7	83	1721	74	8	128	16.7
ABT-99-4.834	6.0	23	1077	19	2	132	58.3
ABT-99-4.965	5.7	75	1701	72	10	127	12.5
ADMIRE (JR-151)	5.8	60	1545	61	18	116	16.7
AFFINITY	5.5	118	2231	116	2	131	12.5
AFFIRMED	5.9	47	1462	51	6	114	16.7
ALL STAR2 (CIS-PR-78)	6.1	13	1023	16	2	129	54.2
ALLSPORT	5.5	109	2164	112	17	132	4.2
AMAZING (B1)	6.1	7	938	8	4	105	66.7
APPLAUD (PENNINGTON-11301)	6.3	2	701	2	1	110	75.0
APR 1231	5.6	94	2026	104	11	126	16.7
APR 1232	5.6	95	2033	105	3	126	20.8
APR 1233	5.7	79	1732	76	20	122	12.5
APR 1234	5.1	132	2766	132	36	134	0.0
APR 1235	5.6	97	2014	99	21	131	8.3
APR 776	5.7	76	1683	70	11	128	29.2
ARRIVAL (CIS-PR-84)	6.1	18	1019	15	6	124	50.0
ASCEND	5.7	80	1800	82	6	123	16.7
BARLENNIUM	5.9	39	1255	31	6	131	37.5
BLAZER IV (PICK MDR)	6.1	8	844	5	3	96	58.3
BRIGHTSTAR II	5.9	49	1420	44	8	125	25.0
BRIGHTSTAR SLT (PST-2A6B)	6.0	29	1130	25	4	102	45.8
BUCCANEER	5.1	129	2626	131	31	133	4.2
BY-100	5.4	122	2324	122	30	129	8.3
CABO (CIS-PR-80)	5.9	41	1301	34	2	122	37.5
CALYPSO II	5.9	44	1492	55	1	108	20.8
CAS-LP84	5.5	111	2199	115	17	129	4.2
CATALINA	5.7	87	1868	88	12	118	8.3
CATALINA II (PST-CATS)	5.8	59	1522	59	3	120	25.0
CATHEDRAL II	5.6	89	1817	84	10	130	25.0
CHARGER II	5.6	99	2021	102	18	133	12.5
CHARISMATIC (LTP 98-501)	6.1	9	904	6	6	129	66.7
CHURCHILL	6.0	32	1265	32	4	103	41.7
CITATION FORE (PST-2BR)	6.1	11	1065	18	1	132	50.0
COURAGE (MB 410)	5.9	50	1457	50	19	131	25.0
DIVINE	5.8	53	1426	46	1	111	25.0
DLF-LDD	6.1	6	978	12	2	125	54.2
DP 17-9069	5.1	130	2577	129	40	130	0.0
DP 17-9391	5.2	127	2431	125	36	132	0.0
DP 17-9496	4.4	133	3066	133	62	134	0.0
DP LP-1	5.1	131	2570	128	45	132	0.0

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	STATISTICS FOR ALL LOCATIONS						
	ALL LOCATIONS		SUM OF	HIGHEST	LOWEST	MAXIMUM	
	MEAN 1/	RANK 2/	RANKS 3/	RANK 4/	RANK 5/	RANK 6/	IN TOP 25% 7/
EDGE	5.3	123	2276	119	11	130	16.7
ELFKIN	5.9	40	1377	41	4	112	20.8
EP53	5.4	119	2359	123	49	129	0.0
EPD	5.6	96	1999	95	13	129	8.3
EXACTA	6.0	26	1118	24	5	120	33.3
EXTREME (JR-317)	5.6	92	1970	94	18	119	8.3
FIESTA 3	5.9	36	1426	46	3	109	20.8
GALLERY (MB 412)	5.9	43	1468	52	2	131	37.5
GATOR 3 (CIS-PR-85)	6.2	4	908	7	1	122	58.3
GRAND SLAM 2L96 (PST-2L96)	6.1	10	1088	21	2	124	50.0
HAWKEYE (SRX 4RHT)	6.1	19	976	11	4	106	50.0
HEADSTART	5.5	116	2185	114	9	127	16.7
ICON (MB 414)	5.7	72	1645	67	17	124	25.0
INSPIRE (R8000)	6.1	17	972	10	2	88	37.5
IQ (CIS-PR-75)	5.8	58	1472	53	8	126	29.2
JET	6.0	24	1246	30	1	129	41.7
JR-128	5.7	77	1801	83	30	118	8.3
KOKOMO (CIS-PR-69)	6.1	12	942	9	1	108	50.0
KOOS R-71	5.5	114	2082	110	18	131	16.7
LINE DRIVE	5.7	85	1884	91	24	120	12.5
LINN	3.5	134	3178	134	102	134	0.0
LPR 98-143	5.5	117	2291	120	33	125	4.2
LPR 98-144	5.6	98	2006	96	1	132	16.7
LTP-ME	5.6	107	2042	106	1	133	12.5
MACH 1 (ROBERTS-627)	6.4	1	576	1	1	113	75.0
MAJESTY	5.9	45	1444	49	4	120	29.2
MANHATTAN 3	5.7	84	1835	85	3	131	16.7
MANHATTAN 4 (PST-2CRL)	6.0	21	1035	17	2	107	54.2
MDP	5.6	90	1873	90	14	119	12.5
MEPY	5.6	93	2012	98	39	126	4.2
MONTEREY II (JR-187)	5.8	64	1483	54	6	133	25.0
MP103	5.4	120	2302	121	41	129	0.0
MP107	5.6	91	1871	89	8	132	12.5
MP88	5.7	86	1700	71	11	134	12.5
NEXUS	5.8	65	1683	70	11	132	20.8
PACESETTER (6011)	5.9	48	1442	48	3	120	33.3
PALMER III	5.6	101	1961	93	14	133	16.7
PANTHER	5.5	110	2017	101	24	131	16.7
PARADIGM (APR 1236)	5.6	103	2076	109	10	131	8.3
PARAGON	6.0	30	1175	27	4	103	41.7
PASSPORT	5.5	113	2017	101	19	124	8.3
PENNANT II	5.8	66	1532	60	3	130	33.3
PENTIUM (NJ-6401)	6.1	15	981	13	3	119	50.0
PHANTOM	5.7	88	1838	86	16	123	8.3
PICK EX2	5.5	115	2064	107	11	131	25.0
PICK PR 1-94	5.7	81	1857	87	18	132	12.5
PICK PR B-97	5.7	71	1752	79	3	132	25.0
PICK PR QH-97	5.8	54	1509	58	8	120	25.0
PICK PRNGS	5.9	46	1321	37	11	102	25.0

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR PERENNIAL RYEGRASS CULTIVARS
 (CONT'D) IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST
 2001 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	STATISTICS FOR ALL LOCATIONS						
	ALL LOCATIONS		SUM OF	HIGHEST	LOWEST	MAXIMUM	
	MEAN 1/	RANK 2/	RANKS 3/	RANK 4/	RANK 5/	RANK 6/	IN TOP 25% 7/
PINNACLE II (BAR 9 B2)	6.0	20	1148	26	1	118	50.0
PIZZAZZ	6.3	3	817	4	1	120	66.7
PLEASURE XL	5.8	67	1652	68	12	128	20.8
PREMIER	5.3	125	2529	127	62	133	0.0
PREMIER II	5.8	52	1497	56	6	128	33.3
PROMISE	5.7	70	1746	78	4	133	20.8
PROSPORT (AG-P981)	5.3	124	2585	130	50	132	0.0
PROWLER (APR 777)	5.6	100	2023	103	20	132	16.7
PST-2CRR	5.7	78	1731	75	26	123	16.7
PST-2JH	5.8	57	1504	57	11	103	20.8
PST-2LA	5.8	55	1441	47	9	117	20.8
PST-2M4	5.8	62	1573	62	15	118	20.8
PST-2RT	5.7	73	1744	77	6	132	12.5
PST-2SBE	5.9	35	1349	38	2	129	33.3
RACER	5.6	106	2112	111	10	132	8.3
RACER II (PICK RC2)	5.9	34	1316	36	6	117	37.5
RADIANT	5.7	74	1767	80	7	130	20.8
SALINAS (PST-2SLX)	6.0	27	1113	23	1	94	37.5
SECRETARIAT	5.7	82	1795	81	8	125	20.8
SEVILLE II	6.0	22	1107	22	8	118	50.0
SKYHAWK	5.6	104	2010	97	10	129	12.5
SPLENDID (MB 411)	5.9	51	1415	43	1	116	33.3
SR 4220 (SRX 4801)	6.2	5	761	3	1	93	70.8
SR 4350 (APR 1237)	5.8	69	1708	73	7	114	20.8
SR 4420 (SRX 4820)	6.1	16	1088	21	4	121	50.0
SR 4500	6.0	31	1351	39	5	123	33.3
SRX 4120	5.6	102	1944	92	29	129	12.5
STELLAR (CIS-PR-72)	5.9	33	1279	33	4	121	33.3
SUMMERSET (MB 413)	5.8	63	1582	63	16	125	25.0
SUPERSTAR (EP57)	5.5	112	2240	117	46	130	0.0
TERRADYNE (A5C)	5.8	56	1619	66	7	125	25.0
UT-1000 (ABT-99-4.709)	5.9	42	1310	35	10	130	37.5
WILMINGTON	5.8	68	1591	64	5	131	29.2
WVPB-R-82	5.2	126	2485	126	31	133	4.2
WVPB-R-84	5.4	121	2244	118	19	128	8.3
YATSUGREEN	5.2	128	2372	124	4	132	12.5
LSD VALUE	0.2						
C.V. (%)	9.2						

*/ 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.