

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 Maryland Turfgrass Council. 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, a national director, and an executive coordinator. The program will 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. The national director is responsible for the overall coordination and operation of the NTEP, including (1) soliciting entries and distribution of test seed sets to evaluators, (2) data summarization and distribution, and, (3) management of test materials, facilities, and finances.

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CONTENTS

1986 National Perennial Ryegrass Test - 1988 data	
LOCATIONS SUBMITTING DATA FOR 1988.....	1
NATIONAL PERENNIAL RYEGRASS TEST, 1986 - Entries and Sponsors..	2
Table A - 1988 Locations, Site Descriptions and Management Practices in the 1986 National Perennial Ryegrass Test.....	3
Table B - Locations and Data Collected in 1988.....	4
Table 1 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars at Twenty-Five Locations in the United States and Canada.....	6
Table 2 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars for Each Month Grown at Twenty-Five Locations in the U.S and Canada.....	8
Table 3 - Ranking of Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars at Twenty-Five Locations in the United States and Canada.....	10
Table 4 - Genetic Color Ratings of Perennial Ryegrass Cultivars.....	14
Table 5 - Leaf Texture Ratings of Perennial Ryegrass Cultivars.....	16
Table 6 - Spring Density Ratings of Perennial Ryegrass Cultivars.....	17
Table 7 - Summer Density Ratings of Perennial Ryegrass Cultivars.....	18
Table 8 - Fall Density Ratings of Perennial Ryegrass Cultivars.....	19
Table 9 - Percent Living Ground Cover (Spring) Ratings of Perennial Ryegrass Cultivars.....	20
Table 10 - Percent Living Ground Cover (Summer) Ratings of Perennial Ryegrass Cultivars.....	21
Table 11 - Percent Living Ground Cover (Fall) Ratings of Perennial Ryegrass Cultivars.....	22
Table 12 - Fusarium Patch Ratings of Perennial Ryegrass Cultivars.....	23

CONTENTS (continued)

Table 13 - Red Thread Ratings of Perennial Ryegrass
Cultivars.....24

Table 14 - Mowing Ratings of Perennial Ryegrass Cultivars.....25

LOCATIONS SUBMITTING DATA FOR 1988

<u>State</u>	<u>Location</u>	<u>Code</u>
British Columbia	Agassiz	BC1
District of Columbia	Wash. Monument Grounds	DC1
Idaho	Post Falls	ID2
Illinois	Urbana	IL1
Indiana	West Lafayette	IN1
Kansas	Manhattan	KS1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Maryland	Beltsville	UB1
Maryland	Silver Spring	MD1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
Nebraska	Lincoln	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
New Mexico	Los Lunas	NM1
New York	Ithaca	NY1
New York	Riverhead, L.I.	NY2
Ohio	Marysville	OH2
Oregon	Hubbard	OR1
Oregon	Corvallis	OR2
Rhode Island	Kingston	RI1
Virginia	Blacksburg	VA1
Washington	Puyallup	WA3

1986 NATIONAL PERENNIAL RYEGRASS TEST

Entries and Sponsors

Entry No.	Name	Sponsor	Entry No.	Name	Sponsor
1	Barry	Barenbrug Holland	41	Birdie II	Turf-Seed, Inc.
2	BAR Lp 454	Barenbrug Holland	42	Citation II	Turf-Seed, Inc.
3	Tara	Hubbard Seed & Supply	43	Regency	LESCO, Inc.
4	BAR Lp 410	Barenbrug Holland	44	Manhattan II	Turf Merchants & Turf-Seed
5	Cowboy	Loft's Seed, Inc.	45	PST-2PM (Saturn)	Zajac Performance Seeds
6	Yorktown II	Loft's Seed, Inc.	46	PST-2DD	Pure-Seed Testing, Inc.
7	Prelude	Loft's Seed, Inc.	47	PST-2H7	Pure-Seed Testing, Inc.
8	Palmer	Loft's Seed, Inc.	48	PST-250 (Competitor)	E. F. Burlingham & Sons
9	Diplomat	Loft's Seed, Inc.	49	Vintage-2DF	LESCO, Inc.
10	Pavo (WW E 14)	E. F. Burlingham & Sons	50	PST-259 (Commander)	Turf-Seed, Inc.
11	Ronja (WW E 31)	E. F. Burlingham & Sons	51	PST-M2E	Manhattan Rye Growers Assoc.
12	Caliente	NPI Seed, Inc.	52	246	Turf-Seed, Inc.
13	KWS-Al-2 (Aquarius)	Fred Ledebauer-KWS Einbeck	53	Omega II	Turf-Seed, Inc.
14	Delray	Northrup King Co.	54	PST-2HH (Charger)	Pure-Seed Testing, Inc.
15	Goalie	Northrup King Co.	55	ISI-851 (Lindsay)	International Seeds, Inc.
16	Acrobat (HE 177)	Van der Have - Oregon, Inc.	56	NK 80389	Northrup King Co.
17	Rival (HE 178)	Van der Have - Oregon, Inc.	57	Manhattan	-
18	Brenda	Van der Have - Oregon, Inc.	58	Repell	Loft's Seed, Inc.
19	Derby	International Seeds, Inc.	59	DEL 946	Northrup King Co.
20	Regal	International Seeds, Inc.	60	Belle	E. F. Burlingham & Sons
21	Gator	International Seeds, Inc.	61	Pennant	E. F. Burlingham & Sons
22	Patriot	Turf Merchants, Inc.	62	J207	Jacklin Seed Co.
23	Rodeo	Turf Merchants, Inc.	63	J208	Jacklin Seed Co.
24	Allaire	Jonathan Green & Sons	64	Linn	-
25	Pick 300 (Blazer II)	Pickseed West, Inc.	65	Runaway	Van der Have - Oregon, Inc.
26	Pick 715	Pickseed West, Inc.			
27	Ovation	O. M. Scott & Sons			
28	SR 4000	Seed Research, Inc.			
29	SR 4031	Seed Research, Inc.			
30	SR 4100	Seed Research, Inc.			
31	Pick 233 (Dasher II)	Pickseed West, Inc.			
32	Pick 647 (Riviera)	Pickseed West, Inc.			
33	Pick 600 (Fiesta II)	Pickseed West, Inc.			
34	Ranger	Van der Have - Oregon, Inc.			
35	ISI-K2 (Dillon)	International Seeds, Inc.			
36	Pennfine	Joe Duich - Penn State			
37	PSU-222	Joe Duich - Penn State			
38	PSU-333	Joe Duich - Penn State			
39	Mom Lp 763	Van der Have - Oregon, Inc.			
40	Sheriff	Van der Have - Oregon, Inc.			

TABLE A.

1988 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES
IN THE 1986 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
BC1	LOAM	5.6-6.0	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
DC1	LOAM	4.6-5.5	61-150	241-375	1.1-2.0	FULL SUN	2.1-2.5	NO IRRIGATION
ID2	SILT LOAM AND SILT	4.6-5.5	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	-	-	-	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	6.6-7.0	61-150	241-375	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
KS1	SANDY CLAY LOAM	7.1-7.5	61-150	376-500	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
KS2	SANDY LOAM	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	5.6-6.0	61-150	241-375	2.1-3.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
MA1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MD1	SANDY LOAM	6.6-7.0	-	-	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MI1	SANDY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MO1	SILTY CLAY LOAM	6.1-6.5	61-150	376-500	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
NE1	SILTY CLAY LOAM	6.6-7.0	0-60	151-240	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ1	LOAM	6.1-6.5	151-270	151-240	5.1-6.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
NJ2	SANDY LOAM	5.6-6.0	61-150	241-375	6.1-7.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
NM1	SANDY CLAY LOAM	7.6-8.5	-	-	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
NY1	SANDY LOAM	5.6-6.0	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
NY2	SANDY LOAM	5.6-6.0	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
OH2	-	-	-	-	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
OR1	SILT LOAM AND SILT	4.6-5.5	151-270	241-375	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
OR2	SILT LOAM AND SILT	5.6-6.0	-	-	7.1-8.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
RI1	SILT LOAM AND SILT	6.1-6.5	271-450	241-375	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
UB1	SANDY LOAM	5.6-6.0	-	-	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
VA1	-	-	-	-	-	FULL SUN	-	-
WA3	SANDY LOAM	5.6-6.0	61-150	151-240	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1988

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
BC1			X	X	X	X	X	X	X		X	
DC1				X	X	X			X	X	X	
ID2				X			X	X	X	X		
IL1			X		X		X		X	X		
IN1				X	X	X	X	X	X	X		
KS1				X	X	X	X	X	X	X	X	
KS2					X		X	X		X		
KY1			X	X	X	X	X	X	X	X		
MA1				X	X	X	X	X	X	X	X	
MD1						X	X	X		X		
MI1				X	X	X		X	X	X		
MO1		X	X	X	X	X	X	X	X	X	X	
NE1					X	X	X	X	X			
NJ1				X	X	X	X	X	X	X	X	
NJ2				X	X	X	X	X	X	X	X	
NM1	X	X	X	X	X	X	X	X	X	X		
NY1					X	X	X		X	X		
NY2				X	X	X	X					
OH2					X			X		X		
OR1	X	X	X	X	X	X	X	X	X	X	X	X
OR2	X	X	X	X	X	X	X	X	X	X	X	X
RI1					X	X	X	X	X		X	
UB1				X	X	X	X	X	X	X	X	
VA1				X	X	X	X	X	X	X	X	
WA3		X	X		X	X			X			

TABLE B. (continued)

LOCATIONS AND DATA COLLECTED IN 1988

LOCATION	GENETIC COLOR RATING	LEAF TEXTURE RATING	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FUSARIUM PATCH	RED THREAD	MOWING RATINGS
BC1	X									X	X
DC1											
ID2					X				X		
IL1										X	
IN1											
KS1											
KS2											
KY1											
MA1											
MD1	X										
MI1											
MO1					X		X	X			
NE1	X					X					
NJ1											
NJ2											
NM1	X	X	X	X	X	X	X	X			
NY1											
NY2											
OH2	X										
OR1											
OR2											
RI1											
UB1								X			
VA1											
WA3	X										

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT TWENTY-FIVE LOCATIONS IN THE UNITED STATES AND CANADA
1988 DATA

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

NAME	BC1	DC1	ID2	IL1	IN1	KS1	KS2	KY1	MA1	MD1	MI1	MO1	NE1	NJ1	NJ2	NM1	NY1	NY2	OH2	OR1	OR2	RI1	UB1	VA1	WA3	MEAN
* PST-2PM (SATURN)	5.0	4.7	6.9	6.9	7.2	7.5	7.3	5.0	4.8	5.6	6.8	7.3	6.2	5.8	6.0	7.8	5.8	6.1	6.6	7.3	6.1	7.2	6.9	3.6	7.8	6.3
* SR 4000	5.0	3.8	5.4	6.5	7.1	7.2	7.3	4.3	5.1	5.6	6.3	7.1	5.8	7.0	6.5	7.8	6.3	5.9	6.8	6.3	6.1	6.8	6.8	3.9	8.2	6.2
* SR 4100	4.7	3.5	5.7	6.8	7.1	7.1	7.1	4.2	5.3	5.8	6.6	6.9	5.5	6.7	6.1	7.5	5.6	6.1	6.7	6.8	6.2	6.9	6.9	4.0	7.9	6.1
PST-2H7	5.2	4.4	6.3	6.8	7.0	7.1	7.5	4.5	5.3	5.3	6.6	6.9	5.8	5.5	6.6	7.6	4.9	5.6	6.4	7.1	6.3	7.2	6.1	3.6	8.0	6.1
* PST-259 (COMMANDER)	4.9	5.4	5.3	6.7	7.0	7.0	7.3	4.8	5.0	5.3	6.2	7.0	5.9	5.4	5.9	7.6	6.2	6.1	6.4	6.4	6.2	6.8	6.0	4.0	7.9	6.1
* PICK 600 (FIESTA II)	5.1	4.1	6.1	6.8	7.2	6.8	6.9	4.4	5.3	5.4	6.0	6.8	6.0	5.9	5.7	7.7	5.7	6.1	6.8	5.8	6.1	6.8	6.3	4.1	8.3	6.1
PST-M2E	5.1	4.9	5.7	6.5	7.1	7.5	7.4	4.2	4.7	5.4	6.6	6.7	5.5	5.7	6.0	7.8	5.1	6.3	6.7	6.9	6.4	6.9	6.3	3.5	7.2	6.1
* PICK 647 (RIVIERA)	5.3	3.8	5.5	6.9	6.7	7.1	7.3	4.3	5.0	5.2	6.3	7.0	6.1	6.0	5.7	7.6	5.9	6.0	6.8	6.3	6.0	6.8	6.5	4.0	7.7	6.1
* REPELL	5.1	5.6	5.2	6.4	7.2	7.1	6.8	4.5	5.1	5.7	6.6	6.6	5.6	5.5	5.9	7.6	5.1	6.3	6.8	6.0	5.9	7.0	6.8	3.5	7.6	6.1
* PENNANT	5.3	4.4	5.4	6.5	7.0	6.8	7.3	4.5	5.2	6.0	6.3	7.0	5.5	5.9	5.5	7.5	5.7	5.8	7.0	5.9	5.9	6.9	6.2	4.0	8.1	6.1
* PALMER	5.5	5.9	5.7	6.8	7.0	7.0	6.8	4.3	5.3	5.1	5.9	6.8	5.6	5.6	5.5	7.6	5.1	5.8	6.9	6.3	5.9	6.7	6.0	4.3	8.0	6.1
* PICK 300 (BLAZER II)	5.0	4.5	6.7	6.4	6.7	7.5	6.8	4.1	5.2	4.8	6.4	6.9	6.0	6.1	5.5	7.4	5.6	6.0	6.9	6.4	6.2	6.3	5.6	3.6	8.0	6.0
* PST-2HH (CHARGER)	4.7	4.2	6.5	6.4	7.0	7.1	7.7	4.0	4.8	5.5	6.2	6.7	5.8	5.0	6.3	7.4	5.5	5.8	6.3	6.5	5.9	6.9	6.1	4.0	8.1	6.0
* PST-250 (COMPETITOR)	4.9	5.1	4.9	6.2	6.7	7.0	7.3	4.4	5.2	5.0	6.1	6.7	6.3	5.3	5.8	7.7	4.9	6.1	6.6	6.9	6.2	6.3	6.5	3.6	8.5	6.0
* OMEGA II	5.2	2.6	5.9	6.7	6.7	7.3	7.1	4.5	4.9	4.9	5.9	6.8	6.2	5.5	5.8	7.8	5.1	5.7	6.4	7.1	6.1	6.7	6.5	3.7	8.3	6.0
* GATOR	5.0	5.1	5.5	6.5	6.5	6.9	7.3	4.5	5.0	5.3	6.0	6.6	6.0	5.4	5.4	7.8	5.0	5.8	6.2	6.1	6.2	6.7	6.0	4.2	8.1	6.0
* MANHATTAN II	5.1	4.3	5.6	6.5	7.0	7.0	7.1	4.2	4.8	5.1	6.3	6.2	5.7	5.1	5.9	7.7	4.9	5.9	6.9	6.6	6.2	6.6	6.3	4.1	8.1	6.0
PICK 715	4.9	3.5	5.5	6.4	6.9	7.1	7.0	4.5	4.9	5.4	5.9	7.0	5.6	6.8	6.0	7.4	5.3	5.8	6.3	6.0	5.8	6.7	6.4	3.6	8.1	5.9
* KWS-AL-2 (AQUARIUS)	4.9	2.9	6.9	6.2	6.9	7.3	6.8	4.0	4.9	4.8	5.8	6.4	6.6	5.8	6.0	7.6	5.1	6.3	6.9	6.2	5.6	6.2	6.5	3.1	8.3	5.9
* ALLAIRE	5.1	4.9	4.9	6.2	6.8	7.2	6.8	4.2	4.7	5.5	6.6	6.5	6.0	6.0	5.9	7.5	5.4	5.9	6.3	6.0	5.9	6.5	5.5	3.5	8.2	5.9
* PRELUDE	5.2	5.6	5.4	6.0	6.7	7.1	7.4	4.1	5.1	5.7	5.9	6.6	5.0	5.2	5.5	7.3	5.1	6.2	6.7	6.0	5.9	6.7	5.8	3.9	7.7	5.9
* CITATION II	5.2	2.3	5.0	6.3	7.0	7.3	7.3	4.5	5.1	5.7	6.1	6.7	5.6	5.2	6.0	7.8	5.3	5.6	6.3	6.8	6.0	6.4	6.6	3.8	7.8	5.9
* PICK 233 (DASHER II)	4.9	2.9	5.3	5.9	7.1	6.9	7.4	4.4	4.8	5.3	6.2	7.1	5.4	6.4	6.2	7.3	5.1	5.7	6.3	6.5	6.1	6.8	6.3	3.8	7.2	5.9
* GOALIE	5.1	4.6	6.2	6.0	6.8	6.8	6.7	4.3	5.1	6.1	5.9	6.7	5.4	5.1	5.1	7.4	5.1	5.9	6.8	5.4	5.6	6.8	6.3	4.3	7.3	5.9
* BIRDIE II	5.1	4.7	5.1	6.3	6.7	7.0	7.2	4.4	4.8	5.6	5.9	6.7	5.7	4.5	5.0	7.7	5.1	5.7	6.6	6.1	6.0	6.7	6.1	4.3	7.6	5.9
* ISI-851 (LINDSAY)	5.1	4.1	4.9	6.3	6.9	6.9	7.0	4.3	5.2	5.6	6.4	6.4	5.9	5.1	5.7	7.4	5.1	5.6	6.3	6.3	6.3	6.6	5.6	4.1	7.6	5.9
* TARA	5.2	3.7	6.1	6.8	7.0	7.2	6.7	4.2	5.0	5.3	6.6	6.3	5.7	5.0	5.4	7.5	4.5	5.9	6.3	6.7	5.9	6.6	5.9	3.4	7.7	5.9
PST-2DD	4.8	2.9	6.9	6.0	6.8	6.9	6.6	4.3	4.8	4.5	6.1	6.1	6.4	4.8	6.1	7.6	5.2	.	6.8	6.9	5.8	6.5	6.8	2.9	7.7	5.8
PSU-333	5.3	4.5	5.0	6.1	6.8	6.7	7.2	4.6	5.4	5.3	6.2	6.3	5.6	4.8	5.0	7.5	5.6	5.6	6.6	5.6	6.0	7.0	5.9	3.9	7.3	5.8
* PATRIOT	5.0	4.2	4.9	6.3	6.8	7.0	7.4	4.6	4.8	4.8	5.6	6.7	5.9	5.3	5.0	7.8	5.3	6.2	7.0	5.6	5.9	6.9	5.5	4.1	7.0	5.8
BAR LP 410	5.1	4.9	4.5	6.3	6.5	6.8	7.3	4.6	5.0	5.2	6.1	6.8	5.4	4.8	5.1	7.4	5.0	5.7	6.8	5.5	6.0	6.8	6.1	4.3	7.2	5.8
* RODEO	5.3	4.1	6.0	5.9	7.0	6.9	6.2	4.1	5.3	4.7	6.3	6.4	6.3	6.0	5.4	7.3	4.6	5.9	6.6	6.0	5.6	6.7	5.3	3.2	7.9	5.8
* CALIENTE	4.8	5.1	4.8	6.3	6.5	6.8	7.1	4.6	5.3	5.6	5.6	6.3	6.1	5.2	5.0	7.4	5.0	5.9	6.6	5.6	5.6	6.1	5.8	4.0	7.3	5.8
RUNAWAY	5.2	5.3	4.7	6.0	7.0	6.8	7.0	4.6	4.8	5.3	6.2	6.3	5.3	4.8	4.9	7.9	5.7	5.7	7.0	5.3	5.8	6.4	5.2	3.9	7.4	5.8
* RANGER	5.0	4.9	4.9	6.1	6.7	7.3	6.9	4.1	5.3	4.9	5.6	6.2	5.7	4.7	4.8	7.7	5.9	5.9	6.4	5.4	5.7	6.7	5.5	3.8	7.4	5.7
PSU-222	4.8	4.3	4.9	6.2	6.6	6.9	6.4	4.4	5.2	5.7	6.2	6.3	5.8	4.9	4.5	7.9	5.3	6.1	6.4	5.8	5.6	6.7	5.2	3.8	7.3	5.7
* BELLE	5.1	3.9	5.5	6.4	6.7	7.0	6.9	4.5	5.1	5.0	6.0	6.6	5.6	5.3	5.1	7.8	4.7	5.7	6.7	5.2	5.8	6.5	5.4	3.8	7.0	5.7
* DERBY	5.2	3.8	5.1	6.1	6.8	6.7	7.1	4.5	5.2	5.3	5.8	6.3	5.5	4.4	4.8	7.6	5.7	5.8	6.6	5.4	5.6	6.4	5.4	4.1	7.2	5.7
ACROBAT	5.1	5.3	4.5	6.1	6.6	6.7	6.6	4.3	5.1	5.3	5.7	6.5	5.7	4.6	4.3	7.8	5.5	5.5	6.7	5.3	5.7	6.2	5.8	3.8	6.5	5.6
* SR 4031	5.2	2.2	4.9	5.5	6.9	6.8	6.7	4.6	5.1	5.3	6.0	6.1	5.1	4.4	5.3	7.7	5.1	5.8	6.3	6.0	5.9	6.6	6.0	3.9	7.3	5.6

* COMMERCIALY AVAILABLE VARIETY

TABLE 1. (continued)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
AT TWENTY-FIVE LOCATIONS IN THE UNITED STATES AND CANADA
1988 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																								MEAN	
	BC1	DC1	ID2	IL1	IN1	KS1	KS2	KY1	MA1	MD1	MI1	MO1	NE1	NJ1	NJ2	NM1	NY1	NY2	OH2	OR1	OR2	RI1	UB1	VA1		WA3
* PENNFINE	5.0	4.2	5.1	6.0	6.7	6.5	7.1	4.5	5.3	5.4	5.6	6.1	5.6	4.3	4.2	7.3	5.7	5.8	6.6	5.1	5.7	6.6	5.7	3.7	6.6	5.6
BAR LP 454	4.7	2.4	6.2	6.6	6.5	6.4	6.3	4.5	4.6	5.0	5.9	6.0	5.8	4.1	4.8	7.7	5.6	6.0	6.2	5.2	5.4	6.8	6.1	3.6	7.5	5.6
* 246	4.6	3.1	4.9	5.4	6.7	6.7	6.9	4.1	5.0	4.3	5.8	6.4	5.4	4.7	5.1	7.7	4.4	6.0	6.6	6.4	6.0	6.1	6.3	3.7	7.6	5.6
* REGAL	4.8	3.7	5.3	4.6	6.6	6.5	6.5	4.6	4.9	5.1	5.5	6.7	5.0	5.0	4.7	7.6	5.0	5.4	7.0	5.7	5.4	6.3	6.7	3.8	7.4	5.6
RONJA	4.6	3.8	5.5	5.8	6.9	6.8	6.5	4.0	5.2	5.2	5.5	6.1	5.3	4.4	4.6	7.6	5.2	5.1	6.4	5.6	5.8	6.2	6.1	4.2	7.2	5.6
RIVAL	5.0	4.3	5.7	6.3	7.0	6.4	6.5	4.0	5.3	5.4	6.1	6.3	5.6	4.6	4.0	7.6	4.9	5.3	6.4	4.7	5.8	6.3	5.5	4.0	6.5	5.6
MOM LP 763	5.1	4.1	4.8	6.1	6.8	6.5	6.8	4.4	5.3	5.8	5.7	6.5	5.5	4.0	4.3	7.5	4.9	5.5	6.2	5.2	5.8	6.6	5.4	3.7	7.1	5.6
* OVATION	5.0	3.7	4.9	6.6	6.8	6.5	6.6	4.1	5.1	5.5	5.8	6.3	5.5	4.3	4.2	7.6	5.5	5.8	6.2	4.7	5.3	6.1	5.8	3.6	7.2	5.5
* YORKTOWN II	5.3	4.6	5.2	6.1	6.7	7.0	6.3	4.1	4.8	4.4	5.8	6.1	5.5	3.7	4.2	7.6	4.8	5.8	5.9	5.8	5.6	6.5	5.3	3.9	7.5	5.5
NK 80389	5.0	4.1	5.3	5.9	6.9	6.7	6.5	4.5	4.9	4.6	5.9	5.8	6.2	4.5	4.5	7.7	4.5	5.6	6.3	6.1	5.4	6.6	4.4	3.5	7.3	5.5
* REGENCY	5.3	3.7	5.1	5.8	6.7	6.7	7.0	4.2	4.8	4.8	5.8	6.2	5.4	4.0	4.0	7.6	4.9	5.5	6.6	5.6	5.4	6.6	4.7	4.3	7.2	5.5
* ISI-K2 (DILLON)	5.0	4.2	3.7	5.8	6.6	6.8	6.6	4.3	5.0	5.2	5.8	6.1	5.5	4.2	4.4	7.4	5.5	5.8	6.7	5.3	5.8	6.5	5.5	3.5	6.6	5.5
DEL 946	5.4	2.9	4.9	5.6	6.7	6.5	6.5	4.5	5.5	6.0	5.7	6.4	5.3	4.1	4.2	7.6	5.3	5.8	6.4	5.0	5.5	6.9	5.4	4.2	5.4	5.5
* BARRY	5.0	2.2	4.4	6.3	6.2	7.0	6.5	4.2	5.0	4.5	6.2	6.1	5.6	4.8	5.0	7.5	4.9	5.4	6.1	5.8	5.6	6.4	5.9	3.4	7.5	5.5
BRENDA	4.9	4.1	5.0	5.8	6.7	6.5	6.9	4.0	5.4	4.8	5.7	6.0	5.1	4.0	4.3	7.7	5.3	5.6	6.8	5.4	5.6	6.5	4.8	4.3	6.3	5.5
* DIPLOMAT	5.0	5.1	5.0	5.8	6.8	6.9	6.5	4.3	4.9	4.8	5.6	6.4	5.3	3.6	4.4	7.5	4.4	5.6	6.4	5.6	5.8	5.8	5.3	3.6	6.7	5.5
SHERIFF	5.3	4.4	4.7	5.6	6.4	6.8	6.7	3.6	5.0	5.3	5.5	6.2	5.3	4.0	4.7	7.5	5.3	5.4	6.6	5.3	5.9	6.6	5.0	3.8	6.3	5.5
* VINTAGE-2DF	4.9	4.2	3.7	5.7	6.4	6.5	6.9	4.3	4.8	5.3	5.6	6.5	5.5	3.7	4.0	7.4	4.7	5.7	6.6	5.7	6.1	6.1	5.8	3.6	6.9	5.5
* MANHATTAN	5.0	4.6	4.3	5.9	6.7	6.5	6.5	4.4	4.8	5.4	6.2	5.9	5.2	3.5	4.1	7.5	5.1	5.8	6.3	4.8	5.8	6.5	5.2	3.4	6.3	5.4
* DELRAY	5.0	2.5	5.3	4.2	6.8	6.6	6.6	3.8	5.4	5.0	5.3	6.1	5.1	4.3	4.4	7.6	5.1	5.7	6.3	5.5	5.6	6.6	5.5	4.2	6.4	5.4
* COWBOY	5.2	2.8	5.2	5.2	6.6	6.6	6.6	4.0	4.9	4.8	5.4	5.9	4.9	4.3	4.4	7.4	4.9	5.3	6.2	5.8	6.0	6.0	4.8	3.7	7.0	5.4
PAVO	4.7	4.0	4.1	5.9	6.5	6.4	6.8	4.1	4.9	4.4	5.3	5.5	5.5	3.5	3.5	7.9	4.9	5.8	6.4	4.9	5.8	6.1	5.1	3.7	6.4	5.3
J208	4.9	3.4	4.7	5.5	6.4	6.5	6.2	4.0	5.0	5.2	5.2	5.7	5.2	3.6	4.4	7.7	4.4	5.2	6.4	5.4	5.7	6.4	5.0	3.5	5.4	5.2
J207	5.1	2.7	3.7	5.8	6.2	6.5	6.9	4.4	5.0	4.8	5.6	5.4	5.1	3.6	4.0	7.6	4.4	5.5	6.4	4.5	5.9	6.6	5.1	3.6	5.4	5.2
* LINN	4.3	1.8	2.6	2.5	5.6	5.4	4.5	3.2	4.3	4.5	3.8	4.1	4.3	1.8	1.9	7.6	3.7	4.4	5.2	2.5	4.4	4.4	2.3	3.2	4.5	3.9
LSD VALUE	0.6	1.9	1.0	0.8	0.5	0.5	0.6	0.6	0.4	0.9	0.8	0.4	0.6	0.9	0.7	0.6	1.0	0.7	0.6	0.9	0.5	0.6	0.8	0.6	0.8	0.2

* COMMERCIALY AVAILABLE VARIETY

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).

TABLE 2.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR
EACH MONTH GROWN AT TWENTY-FIVE LOCATIONS IN THE U. S AND CANADA
1988 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/											MEAN	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
PST-2PM (SATURN)	6.3	6.8	6.8	6.5	6.5	6.0	6.1	6.2	6.4	6.4	6.1	5.7	6.3
SR 4000	5.7	5.9	6.4	6.2	6.4	6.0	6.0	6.1	6.4	6.3	6.1	5.3	6.2
SR 4100	6.0	6.3	6.2	5.9	6.1	5.9	6.0	6.2	6.4	6.4	6.0	6.0	6.1
PST-2H7	6.2	6.6	6.6	6.3	6.2	6.0	6.0	5.9	6.2	6.3	5.9	6.2	6.1
PST-259 (COMMANDER)	5.8	6.0	6.4	6.0	6.5	6.0	6.0	5.9	6.2	6.1	5.9	6.0	6.1
PICK 600 (FIESTA II)	5.4	6.1	6.3	6.0	6.3	5.9	6.0	5.9	6.1	6.1	6.0	5.3	6.1
PST-M2E	5.8	6.4	6.5	6.0	6.3	6.1	6.0	5.9	6.2	6.2	5.8	5.5	6.1
PICK 647 (RIVIERA)	5.8	5.8	6.4	6.0	6.2	5.9	5.9	6.1	6.1	6.1	5.9	5.7	6.1
REPELL	5.8	6.3	6.0	6.1	6.4	6.0	5.9	5.9	6.1	6.0	5.8	5.3	6.1
PENNANT	5.6	5.7	6.2	5.7	6.1	5.7	5.9	6.2	6.2	6.3	5.9	5.5	6.1
PALMER	5.9	6.3	6.4	6.0	6.0	5.8	5.9	6.2	6.3	6.2	5.8	5.5	6.1
PICK 300 (BLAZER II)	5.7	5.8	5.9	6.1	6.4	5.9	5.9	5.8	6.1	6.1	5.7	6.0	6.0
PST-2HH (CHARGER)	5.4	5.4	5.9	6.2	6.3	5.9	6.0	5.8	5.9	6.1	5.6	5.5	6.0
PST-250 (COMPETITOR)	5.7	6.1	6.4	6.0	6.6	6.0	5.9	5.7	5.9	5.9	5.8	5.8	6.0
OMEGA II	6.2	6.8	6.4	6.0	6.3	5.7	6.1	5.8	6.0	5.9	5.5	5.7	6.0
GATOR	5.6	6.3	6.2	6.0	6.3	5.8	5.6	5.8	5.9	6.1	5.7	5.5	6.0
MANHATTAN II	6.2	6.3	6.2	6.0	6.2	6.0	5.9	5.6	5.9	5.9	5.7	5.7	6.0
PICK 715	5.4	5.8	5.9	5.8	6.1	5.7	5.8	6.0	6.3	6.2	5.8	5.3	5.9
KWS-AL-2 (AQUARIUS)	4.9	5.8	6.2	6.3	6.4	5.8	5.8	5.4	5.7	5.9	5.6	5.2	5.9
ALLAIRE	5.4	5.4	5.8	6.0	6.2	5.7	5.8	5.4	6.0	6.2	5.9	5.8	5.9
PRELUDE	5.7	6.0	6.0	5.7	6.0	5.5	5.8	5.9	6.1	6.1	5.8	5.3	5.9
CITATION II	6.3	6.5	6.4	5.8	6.1	5.8	5.9	5.8	5.9	5.9	5.9	5.7	5.9
PICK 233 (DASHER II)	6.4	6.2	6.2	5.9	6.1	5.6	5.8	6.0	6.0	6.0	6.0	5.7	5.9
GOALIE	5.2	5.5	5.9	5.9	5.6	5.6	5.8	6.1	6.0	6.1	5.6	4.5	5.9
BIRDIE II	6.0	6.3	6.3	5.7	5.8	5.7	5.7	6.0	6.0	5.8	5.7	5.7	5.9
ISI-851 (LINDSAY)	6.2	6.1	6.3	6.0	6.2	5.8	5.8	5.5	5.7	5.9	5.6	5.2	5.9
TARA	6.1	6.3	6.3	5.8	6.1	5.9	5.9	5.6	5.8	5.8	5.4	5.5	5.9
PST-2DD	6.2	6.0	6.0	6.0	6.3	5.7	5.7	5.2	5.9	5.9	5.6	5.8	5.8
PSU-333	5.4	6.3	6.3	5.9	5.8	5.7	5.9	5.7	5.7	5.9	5.5	5.3	5.8
PATRIOT	5.3	6.1	5.8	6.0	6.0	5.7	5.7	5.6	5.7	5.9	5.7	5.5	5.8
BAR LP 410	5.3	6.1	6.0	5.8	6.1	5.7	5.7	5.7	5.8	5.8	5.4	5.2	5.8
RODEO	5.0	5.4	5.8	5.9	6.1	5.9	5.7	5.4	5.8	5.9	5.4	5.2	5.8
CALIENTE	5.4	5.8	5.8	5.6	5.7	5.6	5.8	5.7	5.8	5.8	5.6	5.5	5.8
RUNAWAY	5.3	5.8	6.0	5.9	5.9	5.7	5.6	5.5	5.6	5.8	5.6	5.3	5.8
RANGER	5.2	5.9	6.0	5.6	6.0	5.7	5.7	5.4	5.7	5.6	5.6	5.2	5.7
PSU-222	5.6	6.3	6.1	5.6	5.9	5.8	5.7	5.5	5.6	5.6	5.3	5.0	5.7
BELLE	5.0	5.8	6.0	5.8	5.8	5.5	5.7	5.8	5.6	5.8	5.7	5.0	5.7
DERBY	5.0	5.5	5.9	5.7	5.7	5.5	5.7	5.7	5.6	5.8	5.5	5.3	5.7
ACROBAT	5.6	6.0	5.9	5.8	6.0	5.4	5.5	5.4	5.6	5.6	5.5	5.2	5.6
SR 4031	5.4	6.0	6.0	5.6	5.7	5.4	5.7	5.5	5.8	5.8	5.4	5.5	5.6

TABLE 2.
(continued)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR
EACH MONTH GROWN AT TWENTY-FIVE LOCATIONS IN THE U. S AND CANADA
1988 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PENNFINE	5.2	5.7	5.8	5.4	5.5	5.4	5.7	5.7	5.6	5.7	5.1	4.7	5.6
BAR LP 454	5.1	5.7	5.8	5.3	5.9	5.6	5.6	5.3	5.6	5.5	5.1	5.2	5.6
246	6.1	6.3	6.0	6.0	5.6	5.0	5.3	5.4	5.8	5.8	5.8	6.0	5.6
REGAL	5.4	5.8	5.9	5.6	5.6	5.3	5.7	5.6	5.7	5.6	5.4	5.3	5.6
RONJA	5.3	5.6	5.5	5.4	6.0	5.9	5.4	5.1	5.5	5.8	5.4	5.7	5.6
RIVAL	4.3	5.5	5.5	5.4	5.9	5.6	5.5	5.5	5.6	5.6	5.1	5.2	5.6
MOM LP 763	4.9	5.8	5.8	5.3	5.6	5.5	5.5	5.6	5.7	5.6	5.4	4.8	5.6
OVATION	4.4	5.2	5.2	5.3	5.7	5.4	5.5	5.5	5.7	5.6	5.3	5.0	5.5
YORKTOWN II	5.6	6.1	5.8	5.3	5.8	5.5	5.4	5.4	5.5	5.5	5.5	5.5	5.5
NK 80389	5.6	6.2	5.8	5.5	5.8	5.6	5.6	5.3	5.3	5.4	5.1	5.5	5.5
REGENCY	5.8	5.8	5.8	5.5	5.4	5.2	5.5	5.4	5.7	5.5	5.2	4.7	5.5
ISI-K2 (DILLON)	5.3	5.6	5.7	5.4	5.8	5.5	5.4	5.3	5.5	5.4	5.3	5.3	5.5
DEL 946	5.1	5.8	5.8	5.5	5.4	5.1	5.5	5.7	5.8	5.6	5.1	4.3	5.5
BARRY	5.4	5.8	6.0	5.2	5.8	5.4	5.5	5.2	5.6	5.6	5.4	5.2	5.5
BRENDA	5.4	5.6	6.0	5.6	5.4	5.2	5.5	5.4	5.5	5.5	5.2	5.5	5.5
DIPLOMAT	5.7	6.1	5.9	5.4	5.5	5.3	5.3	5.4	5.6	5.6	5.3	5.2	5.5
SHERIFF	5.2	5.8	5.5	5.4	5.6	5.3	5.5	5.4	5.5	5.5	5.4	5.2	5.5
VINTAGE-ZDF	5.8	6.3	6.1	5.2	5.4	5.2	5.5	5.5	5.5	5.4	5.3	5.3	5.5
MANHATTAN	4.9	5.0	5.4	5.5	5.7	5.4	5.3	5.1	5.3	5.4	5.3	5.2	5.4
DELRAY	5.2	5.8	5.7	5.4	5.4	5.2	5.3	5.6	5.7	5.3	4.9	5.0	5.4
COWBOY	5.9	6.1	5.8	5.2	5.2	5.1	5.4	5.5	5.5	5.5	5.2	5.0	5.4
PAVO	5.1	5.6	5.6	5.4	5.6	5.3	5.2	5.0	5.2	5.1	4.6	5.0	5.3
J208	5.1	5.8	5.5	5.1	5.3	5.2	5.2	5.1	5.4	5.4	5.2	5.5	5.2
J207	5.2	5.6	5.6	5.1	5.4	5.1	5.1	5.1	5.1	5.1	4.8	5.2	5.2
LINN	4.1	4.8	4.3	3.7	3.8	3.7	4.0	3.8	3.9	3.9	3.7	4.0	3.9
LSD VALUE	2.0	1.5	0.8	0.6	0.5	0.5	0.6	0.7	0.5	0.5	0.7	1.0	0.4

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).

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS
CULTIVARS AT TWENTY-FIVE LOCATIONS IN THE U.S. AND CANADA 1/
1988 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING 2/

NAME	BC1	DC1	ID2	IL1	IN1	KS1	KS2	KY1	MA1	MD1	MI1	MO1	NE1
PST-2FM (SATURN)	43.0	15.5	2.5	1.5	1.5	2.5	8.0	1.0	51.0	12.0	1.0	1.0	6.0
SR 4000	37.5	43.0	24.0	14.0	5.0	10.0	12.5	37.5	28.5	12.0	12.0	3.0	17.0
SR 4100	61.0	49.5	15.0	6.5	7.0	12.5	20.5	42.5	6.5	4.0	4.5	8.5	40.5
PST-2H7	15.5	24.0	6.0	4.0	11.0	12.5	2.0	15.5	12.5	32.5	2.0	10.0	19.5
PST-259 (COMMANDER)	49.0	4.0	27.0	8.5	8.0	19.0	12.5	2.0	34.5	32.5	20.0	7.0	15.0
PICK 600 (FIESTA II)	28.0	38.0	10.0	6.5	3.0	34.5	31.0	28.5	6.5	20.5	29.5	12.0	11.5
PST-MZE	21.5	12.0	15.0	14.0	5.0	1.0	4.5	42.5	62.5	20.5	7.0	19.5	40.5
PICK 647 (RIVIERA)	4.0	44.0	20.5	1.5	46.0	16.0	12.5	32.5	34.5	38.0	12.0	5.5	8.5
REPELL	28.0	3.0	32.0	19.0	1.5	12.5	36.5	10.5	28.5	7.5	4.5	23.0	31.0
PENNANT	4.0	22.5	24.0	14.0	11.0	42.5	12.5	15.5	18.5	2.5	12.0	5.5	40.5
PALMER	1.0	1.0	13.0	4.0	15.5	19.0	36.5	37.5	12.5	42.0	33.5	14.0	31.0
PICK 300 (BLAZER II)	33.5	20.5	4.0	19.0	35.5	2.5	40.0	49.0	18.5	51.5	8.0	8.5	11.5
PST-2HH (CHARGER)	61.0	29.5	5.0	19.0	18.0	16.0	1.0	61.0	59.0	16.0	17.0	16.5	19.5
PST-250 (COMPETITOR)	49.0	7.0	46.5	31.5	35.5	25.0	8.0	24.5	18.5	45.5	27.0	21.5	3.5
OMEGA II	11.0	59.0	12.0	8.5	39.5	6.5	20.5	15.5	47.0	48.5	33.5	12.0	6.0
GATOR	43.0	10.0	20.5	14.0	57.0	29.0	8.0	15.5	39.5	26.5	29.5	24.5	11.5
MANHATTAN II	21.5	25.0	17.0	14.0	15.5	19.0	20.5	46.0	59.0	42.0	12.0	46.0	24.0
PICK 715	53.0	49.5	20.5	19.0	20.0	16.0	25.5	10.5	47.0	20.5	38.0	4.0	31.0
KWS-AL-2 (AQUARIUS)	53.0	54.0	1.0	31.5	20.0	4.0	36.5	61.0	47.0	51.5	41.0	32.5	1.0
ALLAIRE	28.0	13.5	43.5	31.5	26.0	8.5	40.0	46.0	62.5	16.0	4.5	27.5	11.5
PRELUDE	15.5	2.0	24.0	42.0	39.5	12.5	4.5	49.0	24.0	7.5	35.5	24.5	63.0
CITATION II	15.5	62.0	38.5	24.0	11.0	5.0	12.5	15.5	28.5	7.5	24.0	21.5	31.0
PICK 233 (DASHER II)	53.0	54.0	29.5	47.0	5.0	29.0	4.5	24.5	59.0	26.5	20.0	2.0	48.0
GOALIE	21.5	17.0	7.5	42.0	29.0	42.5	43.5	32.5	24.0	1.0	32.0	16.5	48.0
BIRDIE II	21.5	15.5	35.5	24.0	39.5	22.0	16.5	24.5	54.5	12.0	38.0	19.5	24.0
ISI-851 (LINDSAY)	21.5	34.5	43.5	28.0	23.0	29.0	25.5	37.5	18.5	12.0	9.0	35.5	15.0
TARA	15.5	47.5	9.0	4.0	15.5	8.5	43.5	42.5	34.5	32.5	4.5	41.0	24.0
PST-2DD	57.5	54.0	2.5	42.0	32.5	32.5	48.5	37.5	59.0	61.0	24.0	53.0	2.0
PSU-333	7.5	20.5	41.0	36.5	26.0	44.5	16.5	4.0	2.0	26.5	20.0	39.0	31.0
PATRIOT	37.5	29.5	50.5	28.0	32.5	22.0	4.5	7.5	51.0	55.5	55.0	16.5	15.0
BAR LP 410	28.0	13.5	57.0	24.0	55.0	34.5	12.5	7.5	31.0	38.0	26.0	12.0	48.0
RODEO	4.0	34.5	11.0	47.0	11.0	29.0	63.5	53.0	6.5	58.0	12.0	31.0	3.5
CALIENTE	56.0	8.0	53.0	24.0	57.0	38.5	20.5	4.0	12.5	12.0	55.0	41.0	8.5
RUNAWAY	11.0	5.0	55.5	42.0	11.0	38.5	25.5	7.5	54.5	26.5	15.5	37.5	54.0
RANGER	43.0	11.0	46.5	36.5	46.0	6.5	31.0	49.0	12.5	48.5	55.0	45.0	24.0
PSU-222	57.5	26.5	48.5	31.5	51.0	29.0	60.0	28.5	18.5	7.5	15.5	41.0	19.5
BELLE	28.0	40.0	20.5	19.0	46.0	25.0	31.0	21.0	24.0	45.5	29.5	26.0	31.0
DERBY	15.5	41.5	37.0	36.5	26.0	44.5	20.5	21.0	15.0	32.5	41.0	43.0	40.5
ACROBAT	28.0	6.0	58.0	36.5	54.0	47.5	48.5	32.5	24.0	32.5	49.0	27.5	24.0
SR 4031	15.5	64.0	43.5	59.5	20.0	38.5	43.5	7.5	24.0	26.5	29.5	49.5	59.5

TABLE 3. (continued)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS
CULTIVARS AT TWENTY-FIVE LOCATIONS IN THE U.S. AND CANADA
1988 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	BC1	DC1	ID2	IL1	IN1	KS1	KS2	KY1	MA1	MD1	MI1	MO1	NE1
PENNFINE	33.5	29.5	34.0	42.0	46.0	59.5	20.5	21.0	9.5	20.5	55.0	53.0	31.0
BAR LP 454	59.0	61.0	7.5	10.5	57.0	63.0	61.5	15.5	64.0	45.5	35.5	57.5	19.5
246	63.0	52.0	43.5	61.0	39.5	47.5	31.0	53.0	39.5	65.0	43.5	35.5	48.0
REGAL	55.0	47.5	27.0	63.0	53.0	55.5	55.5	4.0	47.0	42.0	59.0	16.5	62.0
RONJA	64.0	41.5	18.0	51.5	23.0	38.5	55.5	61.0	18.5	38.0	59.0	49.5	51.5
RIVAL	43.0	26.5	15.0	28.0	15.5	63.0	55.5	58.5	9.5	20.5	24.0	37.5	31.0
MOM LP 763	21.5	34.5	52.0	36.5	32.5	59.5	40.0	28.5	6.5	5.0	47.0	29.0	40.5
OVATION	33.5	45.0	50.5	10.5	29.0	55.5	48.5	53.0	28.5	16.0	41.0	44.0	40.5
YORKTOWN II	7.5	18.0	32.0	36.5	39.5	25.0	61.5	53.0	54.5	63.5	45.5	53.0	40.5
NK 80389	37.5	37.0	29.5	47.0	23.0	47.5	55.5	15.5	43.0	59.0	38.0	61.0	6.0
REGENCY	7.5	46.0	35.5	51.5	46.0	47.5	25.5	46.0	51.0	55.5	45.5	47.0	48.0
ISI-K2 (DILLON)	37.5	29.5	63.5	51.5	51.0	38.5	48.5	37.5	34.5	38.0	43.5	53.0	40.5
DEL 946	2.0	56.0	48.5	57.5	46.0	52.5	55.5	15.5	1.0	2.5	49.0	34.0	54.0
BARRY	43.0	63.0	59.0	24.0	63.5	22.0	55.5	42.5	39.5	61.0	20.0	53.0	31.0
BRENDA	49.0	34.5	40.0	51.5	39.5	59.5	31.0	56.5	3.5	55.5	49.0	57.5	59.5
DIPLOMAT	43.0	9.0	38.5	54.5	29.0	32.5	55.5	37.5	43.0	51.5	51.0	32.5	51.5
SHERIFF	7.5	22.5	54.0	57.5	60.0	38.5	43.5	64.0	34.5	32.5	59.0	48.0	54.0
VINTAGE-2DF	49.0	32.0	63.5	56.0	61.5	55.5	31.0	32.5	59.0	26.5	52.0	30.0	40.5
MANHATTAN	33.5	19.0	60.0	47.0	46.0	59.5	55.5	28.5	54.5	20.5	20.0	59.5	56.5
DELRAY	43.0	60.0	27.0	64.0	32.5	51.0	48.5	63.0	3.5	45.5	63.0	56.0	59.5
COWBOY	11.0	57.0	32.0	62.0	51.0	50.0	48.5	58.5	47.0	55.5	61.0	59.5	64.0
PAVO	61.0	39.0	61.0	47.0	59.0	63.0	36.5	53.0	43.0	63.5	62.0	63.0	40.5
J208	49.0	51.0	55.5	59.5	61.5	52.5	63.5	56.5	34.5	38.0	64.0	62.0	56.5
J207	28.0	58.0	62.0	54.5	63.5	55.5	31.0	24.5	39.5	51.5	55.0	64.0	59.5
LINN	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	61.0	65.0	65.0	65.0

1/ THIS TABLE CONTAINS NO STATISTICAL VALUES (LSD VALUES), THEREFORE IT SHOULD ONLY BE USED TO DETERMINE THE GENERAL PERFORMANCE OF AN ENTRY OR ENTRIES ACROSS SEVERAL LOCATIONS OR REGIONS. TO ASSESS STATISTICAL DIFFERENCES AMONG ENTRIES, REFER TO THE MEANS AND LSD VALUES FOUND IN TABLE 1.

2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 3. (continued)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS
CULTIVARS AT TWENTY-FIVE LOCATIONS IN THE U.S. AND CANADA 1/
1988 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING 2/

NAME	NJ1	NJ2	NM1	NY1	NY2	OH2	OR1	OR2	RI1	UB1	VA1	WA3	MEAN
PST-2FM (SATURN)	12.0	9.0	11.0	5.0	8.5	32.5	1.0	13.0	1.5	1.5	46.5	19.0	1
SR 4000	1.0	2.0	11.0	1.0	19.5	14.5	18.5	10.5	17.5	5.0	26.5	5.5	2
SR 4100	3.0	6.0	47.0	11.5	8.5	19.5	7.5	7.5	5.5	1.5	22.0	16.0	3
PST-2H7	16.5	1.0	32.0	50.5	49.0	42.5	2.5	2.0	1.5	21.0	51.5	13.0	4
PST-259 (COMMANDER)	18.5	13.5	24.0	2.0	8.5	42.5	13.0	4.0	13.0	27.5	18.5	16.0	5
PICK 600 (FIESTA II)	9.5	18.0	15.5	9.0	8.5	10.5	32.0	12.0	16.0	18.0	12.5	3.0	6
PST-MZE	13.0	9.0	11.0	31.0	2.5	19.5	4.5	1.0	8.0	16.0	57.0	43.0	7
PICK 647 (RIVIERA)	6.5	19.5	32.0	3.5	13.5	14.5	18.5	21.5	13.0	8.5	18.5	21.5	8
REPELL	16.5	13.5	26.5	36.5	2.5	10.5	25.0	26.0	3.5	4.0	54.0	25.5	9
PENNANT	9.5	23.0	43.5	9.0	33.5	2.5	30.0	30.0	8.0	19.0	18.5	9.0	10
PALMER	14.0	21.0	32.0	39.5	33.5	7.5	16.5	23.5	23.5	26.0	5.5	13.0	11
PICK 300 (BLAZER II)	5.0	23.0	60.5	11.5	13.5	7.5	15.0	7.5	51.5	39.5	46.5	13.0	12
PST-2HH (CHARGER)	29.5	3.0	58.0	16.5	33.5	52.0	11.0	26.0	10.0	21.0	18.5	9.0	13
PST-250 (COMPETTOR)	20.0	16.0	20.5	46.0	8.5	26.5	4.5	7.5	51.5	10.5	46.5	1.0	14
OMEGA II	15.0	17.0	5.5	31.0	41.5	42.5	2.5	14.5	23.5	10.5	42.0	3.0	15
GATOR	18.5	26.0	8.0	44.0	26.5	60.5	21.5	7.5	20.5	29.0	8.0	9.0	16
MANHATTAN II	28.0	13.5	15.5	53.0	19.5	5.5	10.0	5.0	36.0	13.5	12.5	9.0	17
PICK 715	2.0	11.0	54.0	21.5	33.5	52.0	28.0	38.5	26.0	12.0	46.5	9.0	18
KWS-AL-2 (AQUARIUS)	11.0	9.0	39.0	31.0	1.0	5.5	20.0	55.0	56.5	8.5	64.0	3.0	19
ALLAIRE	8.0	13.5	43.5	19.0	19.5	52.0	28.0	28.5	42.0	43.0	54.0	5.5	20
PRELUDE	24.5	23.0	62.5	36.5	4.5	19.5	25.0	28.5	26.0	36.0	23.5	21.5	21
CITATION II	24.5	7.0	4.0	25.0	49.0	52.0	7.5	19.0	49.0	7.0	35.5	18.0	22
PICK 233 (DASHER II)	4.0	4.0	65.0	39.5	41.5	52.0	12.0	10.5	13.0	13.5	33.0	43.0	23
GOALIE	26.5	31.5	58.0	39.5	19.5	14.5	48.0	56.5	13.0	16.0	2.0	35.0	24
BIRDIE II	42.5	35.0	15.5	31.0	41.5	32.5	21.5	16.5	20.5	24.0	2.0	25.5	25
ISI-851 (LINDSAY)	26.5	19.5	58.0	34.5	49.0	52.0	16.5	3.0	36.0	39.5	12.5	25.5	26
TARA	29.5	26.0	50.5	59.0	19.5	52.0	9.0	23.5	30.0	30.0	60.0	21.5	27
PST-2DD	33.0	5.0	36.0	27.5	.	10.5	6.0	36.5	42.0	3.0	65.0	21.5	28
PSU-333	35.5	33.5	49.0	13.5	49.0	32.5	40.5	21.5	3.5	31.5	26.5	35.0	29
PATRIOT	21.5	36.5	8.0	21.5	4.5	2.5	38.0	31.0	8.0	43.0	15.0	49.0	30
BAR LP 410	35.5	29.5	54.0	44.0	41.5	14.5	44.5	19.0	13.0	24.0	4.0	43.0	31
RODEO	6.5	26.0	64.0	58.0	19.5	26.5	25.0	52.0	26.0	52.5	62.0	16.0	32
CALIENTE	23.0	36.5	54.0	44.0	19.5	26.5	40.5	58.0	62.0	33.5	18.5	38.0	33
RUNAWAY	35.5	38.0	2.0	9.0	41.5	2.5	53.5	41.0	47.0	55.5	26.5	32.0	34
RANGER	38.5	39.0	15.5	3.5	19.5	36.5	49.5	45.0	20.5	43.0	35.5	32.0	35
PSU-222	32.0	45.5	2.0	21.5	8.5	42.5	32.0	52.0	20.5	54.0	30.0	38.0	36
BELLE	21.5	29.5	8.0	56.5	41.5	19.5	57.0	41.0	42.0	49.5	33.0	49.0	37
DERBY	44.5	41.0	39.0	7.0	33.5	26.5	47.0	52.0	49.0	47.5	12.5	43.0	38
ACROBAT	41.0	52.0	5.5	16.5	54.5	19.5	52.0	47.0	55.0	36.0	30.0	56.0	39
SR 4031	44.5	28.0	15.5	34.5	26.5	52.0	28.0	32.5	36.0	27.5	26.5	35.0	40

TABLE 3. (continued)

 RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS
 CULTIVARS AT TWENTY-FIVE LOCATIONS IN THE U.S. AND CANADA
 1988 DATA

NAME	QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING												MEAN
	NJ1	NJ2	NM1	NY1	NY2	OH2	OR1	OR2	RI1	UB1	VA1	WA3	
PENNFINE	47.5	56.5	62.5	6.0	33.5	32.5	58.0	47.0	36.0	38.0	39.0	53.5	41
BAR LP 454	52.0	40.0	15.5	13.5	13.5	60.5	55.5	60.0	17.5	21.0	46.5	29.0	42
246	38.5	31.5	23.0	63.0	13.5	26.5	14.0	16.5	58.0	16.0	39.0	25.5	43
REGAL	31.0	42.5	32.0	42.0	58.0	2.5	36.0	61.5	53.5	6.0	30.0	32.0	44
RONJA	46.0	44.0	39.0	27.5	63.0	36.5	40.5	38.5	56.5	24.0	8.0	43.0	45
RIVAL	40.0	62.0	32.0	48.0	60.5	42.5	62.0	43.5	53.5	41.0	18.5	55.0	46
MOM LP 763	56.0	53.5	47.0	53.0	54.5	60.5	55.5	43.5	30.0	49.5	39.0	47.0	47
OVATION	47.5	56.5	32.0	16.5	26.5	60.5	63.0	64.0	60.0	33.5	46.5	43.0	48
YORKTOWN II	58.5	56.5	26.5	55.0	26.5	64.0	34.5	49.0	42.0	51.0	23.5	29.0	49
NK 80389	42.5	45.5	20.5	60.0	49.0	52.0	23.0	63.0	33.0	64.0	54.0	38.0	50
REGENCY	56.0	60.0	26.5	50.5	54.5	26.5	43.0	61.5	30.0	63.0	2.0	43.0	51
ISI-K2 (DILLON)	51.0	51.0	60.5	16.5	26.5	19.5	51.0	36.5	42.0	45.5	57.0	53.5	52
DEL 946	53.0	56.5	39.0	25.0	26.5	42.5	59.0	59.0	5.5	47.5	10.0	63.0	53
BARRY	35.5	33.5	50.5	48.0	58.0	63.0	32.0	52.0	46.0	31.5	60.0	29.0	54
BRENDA	56.0	53.5	20.5	21.5	49.0	10.5	46.0	56.5	42.0	62.0	5.5	60.0	55
DIPLOMAT	61.5	48.5	43.5	61.0	49.0	36.5	40.5	34.5	64.0	52.5	46.5	52.0	56
SHERIFF	54.0	42.5	43.5	25.0	58.0	26.5	53.5	26.0	30.0	59.0	33.0	60.0	57
VINTAGE-2DF	58.5	62.0	54.0	56.5	41.5	26.5	37.0	14.5	60.0	36.0	46.5	51.0	58
MANHATTAN	63.5	59.0	47.0	39.5	33.5	52.0	61.0	41.0	42.0	55.5	60.0	60.0	59
DELRAY	49.5	48.5	26.5	31.0	41.5	52.0	44.5	52.0	36.0	45.5	8.0	57.5	60
COWBOY	49.5	48.5	54.0	53.0	60.5	58.0	34.5	19.0	63.0	61.0	39.0	49.0	61
PAVO	63.5	64.0	2.0	48.0	33.5	36.5	60.0	34.5	60.0	57.5	39.0	57.5	62
J208	60.0	48.5	20.5	63.0	62.0	42.5	49.5	47.0	49.0	60.0	57.0	63.0	63
J207	61.5	62.0	32.0	63.0	54.5	42.5	64.0	32.5	30.0	57.5	51.5	63.0	64
LINN	65.0	65.0	39.0	65.0	64.0	65.0	65.0	65.0	65.0	65.0	63.0	65.0	65

1/ THIS TABLE CONTAINS NO STATISTICAL VALUES (LSD VALUES), THEREFORE IT SHOULD ONLY BE USED TO DETERMINE THE GENERAL PERFORMANCE OF AN ENTRY OR ENTRIES ACROSS SEVERAL LOCATIONS OR REGIONS. TO ASSESS STATISTICAL DIFFERENCES AMONG ENTRIES, REFER TO THE MEANS AND LSD VALUES FOUND IN TABLE 1.

2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 4. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

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

NAME	BC1	MD1	NE1	NM1	OH2	WA3	MEAN
RODEO	6.0	7.0	6.7	8.0	7.0	7.7	7.1
KWS-AL-2 (AQUARIUS)	5.3	7.0	7.3	7.0	7.0	8.3	7.0
PICK 300 (BLAZER II)	5.3	7.0	6.3	7.7	7.0	8.7	7.0
PST-250 (COMPETITOR)	5.3	7.3	6.7	7.0	7.0	8.3	6.9
DERBY	6.0	7.3	6.0	7.0	7.0	7.3	6.8
PICK 600 (FIESTA II)	5.3	6.7	6.3	7.0	7.0	8.3	6.8
ISI-851 (LINDSAY)	5.7	7.0	6.3	7.0	7.0	7.3	6.7
MANHATTAN II	5.7	7.0	6.0	7.0	7.0	7.7	6.7
PST-M2E	5.7	7.0	6.3	7.0	7.0	7.3	6.7
PICK 647 (RIVIERA)	5.3	7.3	6.0	7.0	7.0	7.7	6.7
ALLAIRE	5.3	7.0	6.0	6.7	7.0	8.0	6.7
CITATION II	5.3	7.0	6.3	7.0	7.0	7.3	6.7
PST-2H7	5.0	6.7	6.3	6.7	7.0	8.3	6.7
246	5.0	7.0	6.3	7.0	7.0	7.7	6.7
PST-2HH (CHARGER)	5.0	7.0	6.0	7.3	7.0	7.7	6.7
BARRY	5.7	7.0	6.0	6.7	7.0	7.3	6.6
GOALIE	5.7	7.0	5.7	7.0	7.0	7.3	6.6
PALMER	5.7	6.7	6.0	7.0	7.0	7.3	6.6
PENNANT	6.0	6.7	6.0	6.7	7.0	7.3	6.6
REGAL	5.7	7.0	6.7	6.3	7.0	7.0	6.6
PICK 715	5.3	6.7	6.0	7.0	7.0	7.7	6.6
PST-259 (COMMANDER)	5.3	6.7	6.0	7.0	7.0	7.7	6.6
PST-2PM (SATURN)	5.3	7.0	6.0	6.7	7.0	7.7	6.6
PST-2DD	5.7	6.3	6.3	6.3	7.0	7.7	6.6
RUNAWAY	5.3	7.3	6.0	6.0	7.0	7.7	6.6
SR 4000	5.0	7.0	6.3	6.3	7.0	7.7	6.6
COWBOY	6.0	7.3	6.0	6.7	7.0	6.0	6.5
REPELL	5.3	6.7	6.0	6.7	7.0	7.3	6.5
SR 4100	5.3	7.0	6.0	6.0	7.0	7.7	6.5
GATOR	5.3	7.0	6.0	7.0	7.0	6.7	6.5
PICK 233 (DASHER II)	5.3	7.0	5.7	6.7	7.0	7.0	6.4
PSU-333	5.7	6.7	5.0	7.0	7.0	7.3	6.4
BELLE	5.3	7.0	6.0	6.3	7.0	7.0	6.4
BIRDIE II	5.3	7.0	6.0	7.3	7.0	6.0	6.4
TARA	5.0	7.0	6.3	6.7	7.0	6.7	6.4
BAR LP 410	5.3	6.7	6.0	7.0	7.0	6.3	6.4
CALIENTE	5.0	7.0	5.7	6.7	7.0	7.0	6.4
PRELUDE	5.0	6.7	5.7	7.3	7.0	6.7	6.4
REGENCY	5.7	7.0	5.0	7.3	7.0	6.3	6.4
SR 4031	5.7	7.0	6.0	6.7	7.0	6.0	6.4

TABLE 4. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(continued) 1988 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN							
NAME	BC1	MD1	NE1	NM1	OH2	WA3	MEAN
OMEGA II	5.3	7.0	6.0	6.0	7.0	7.0	6.4
RANGER	5.0	7.0	6.0	6.3	7.0	7.0	6.4
NK 80389	5.3	7.3	5.7	6.7	6.7	6.3	6.3
OVATION	5.7	6.7	4.7	7.0	7.0	7.0	6.3
PATRIOT	5.3	7.0	6.0	5.3	7.0	7.3	6.3
PENNFINE	5.7	6.7	6.0	6.7	7.0	6.0	6.3
RONJA	5.0	6.7	6.0	7.3	7.0	6.0	6.3
YORKTOWN II	5.3	7.0	5.7	7.0	7.0	6.0	6.3
SHERIFF	5.7	7.0	5.7	7.0	7.0	5.3	6.3
ACROBAT	5.3	6.7	5.7	6.3	7.0	6.3	6.2
PSU-222	5.0	7.3	5.3	6.3	7.0	6.3	6.2
DEL 946	5.3	7.0	5.7	6.7	7.0	5.3	6.2
DIPLOMAT	5.0	7.0	5.3	7.3	7.0	5.3	6.2
MANHATTAN	5.7	6.3	5.3	7.3	7.0	5.0	6.1
ISI-K2 (DILLON)	5.3	6.7	5.7	6.7	7.0	5.0	6.1
BRENDA	5.3	7.0	4.7	6.3	7.0	6.0	6.1
DELRAY	5.0	7.0	5.3	7.0	7.0	5.0	6.1
RIVAL	4.7	7.0	5.0	6.3	7.0	6.0	6.0
VINTAGE-2DF	5.0	7.0	6.0	7.0	6.7	4.3	6.0
J207	5.3	7.0	5.0	6.3	7.0	5.0	5.9
J208	5.0	7.0	5.3	6.3	7.0	5.0	5.9
LINN	4.7	7.0	5.7	6.3	7.0	3.7	5.7
MOM LP 763	5.3	6.7	5.0	6.0	6.7	4.3	5.7
PAVO	5.0	6.7	5.0	5.3	7.0	4.7	5.6
BAR LP 454	5.0	6.3	5.0	6.3	6.7	4.0	5.6
LSD VALUE	0.8	0.7	0.7	1.5	0.2	1.5	0.4

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).

TABLE 5. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

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

NAME	NM1	MEAN
246	8.0	8.0
BIRDIE II	8.0	8.0
LINN	8.0	8.0
MOM LP 763	8.0	8.0
NK 80389	8.0	8.0
OMEGA II	8.0	8.0
PATRIOT	8.0	8.0
PST-2H7	8.0	8.0
REPELL	8.0	8.0
SR 4031	8.0	8.0
SR 4100	8.0	8.0
ACROBAT	7.7	7.7
BAR LP 454	7.7	7.7
BARRY	7.7	7.7
BELLE	7.7	7.7
BRENDA	7.7	7.7
CALIENTE	7.7	7.7
CITATION II	7.7	7.7
DEL 946	7.7	7.7
DERBY	7.7	7.7
GATOR	7.7	7.7
ISI-851 (LINDSAY)	7.7	7.7
J208	7.7	7.7
KWS-AL-2 (AQUARIUS)	7.7	7.7
MANHATTAN II	7.7	7.7
OVATION	7.7	7.7
PAIMER	7.7	7.7
PAVO	7.7	7.7
PICK 600 (FIESTA II)	7.7	7.7
PICK 715	7.7	7.7
PST-250 (COMPETITOR)	7.7	7.7
PST-259 (COMMANDER)	7.7	7.7
PST-2DD	7.7	7.7
PST-2PM (SATURN)	7.7	7.7
PST-M2E	7.7	7.7
PSU-222	7.7	7.7
PSU-333	7.7	7.7
RANGER	7.7	7.7
REGAL	7.7	7.7
RIVAL	7.7	7.7

LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	NM1	MEAN
RUNAWAY	7.7	7.7
SHERIFF	7.7	7.7
SR 4000	7.7	7.7
TARA	7.7	7.7
YORKTOWN II	7.7	7.7
ALLAIRE	7.3	7.3
J207	7.3	7.3
PICK 647 (RIVIERA)	7.3	7.3
BAR LP 410	7.0	7.0
DIPLOMAT	7.0	7.0
GOALIE	7.0	7.0
ISI-K2 (DILLON)	7.0	7.0
MANHATTAN	7.0	7.0
PENNANT	7.0	7.0
PENNFINE	7.0	7.0
PICK 233 (DASHER II)	7.0	7.0
PICK 300 (BLAZER II)	7.0	7.0
PRELUDE	7.0	7.0
PST-2HH (CHARGER)	7.0	7.0
VINAGE-2DF	7.0	7.0
COWBOY	6.3	6.3
DEIRAY	6.3	6.3
REGENCY	6.3	6.3
RODEO	6.3	6.3
RONJA	6.3	6.3
LSD VALUE	1.4	1.4

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).

TABLE 6. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

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

NAME	NM1	MEAN
ACROBAT	7.7	7.7
OMEGA II	7.7	7.7
PST-250 (COMPETITOR)	7.7	7.7
PST-259 (COMMANDER)	7.7	7.7
BAR LP 454	7.3	7.3
CITATION II	7.3	7.3
DEIRAY	7.3	7.3
MANHATTAN	7.3	7.3
MANHATTAN II	7.3	7.3
PAIMER	7.3	7.3
PATRIOT	7.3	7.3
PAVO	7.3	7.3
PENNANT	7.3	7.3
PICK 600 (FIESTA II)	7.3	7.3
PSU-222	7.3	7.3
PSU-333	7.3	7.3
RIVAL	7.3	7.3
RUNAWAY	7.3	7.3
SR 4000	7.3	7.3
SR 4031	7.3	7.3
246	7.0	7.0
ALLAIRE	7.0	7.0
BAR LP 410	7.0	7.0
BELLE	7.0	7.0
BIRDIE II	7.0	7.0
GATOR	7.0	7.0
GOALIE	7.0	7.0
ISI-851 (LINDSAY)	7.0	7.0
J207	7.0	7.0
J208	7.0	7.0
KWS-AL-2 (AQUARIUS)	7.0	7.0
LINN	7.0	7.0
NK 80389	7.0	7.0
OVATION	7.0	7.0
PENNFINE	7.0	7.0
PICK 300 (BLAZER II)	7.0	7.0
PICK 647 (RIVIERA)	7.0	7.0
PRELUDE	7.0	7.0
PST-2HH (CHARGER)	7.0	7.0
PST-2PM (SATURN)	7.0	7.0

SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NM1	MEAN
PST-M2E	7.0	7.0
REGENCY	7.0	7.0
REFELL	7.0	7.0
RONJA	7.0	7.0
SHERIFF	7.0	7.0
TARA	7.0	7.0
VINTAGE-2DF	7.0	7.0
YORKTOWN II	7.0	7.0
CALIENTE	6.7	6.7
COWBOY	6.7	6.7
DERBY	6.7	6.7
DIPLOMAT	6.7	6.7
ISI-K2 (DILLON)	6.7	6.7
PICK 233 (DASHER II)	6.7	6.7
PST-2H7	6.7	6.7
RANGER	6.7	6.7
BARRY	6.3	6.3
BRENDA	6.3	6.3
DEL 946	6.3	6.3
PST-2DD	6.3	6.3
REGAL	6.3	6.3
RODEO	6.3	6.3
SR 4100	6.3	6.3
MOM LP 763	6.0	6.0
PICK 715	6.0	6.0
LSD VALUE	1.4	1.4

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).

TABLE 7. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NM1	MEAN
ACROBAT	8.3	8.3
ALLAIRE	8.3	8.3
BAR LP 454	8.3	8.3
COWBOY	8.3	8.3
DELRAY	8.3	8.3
DIPLOMAT	8.3	8.3
GOALIE	8.3	8.3
J207	8.3	8.3
J208	8.3	8.3
MANHATTAN	8.3	8.3
MANHATTAN II	8.3	8.3
PENNANT	8.3	8.3
PENNFINE	8.3	8.3
PICK 300 (BLAZER II)	8.3	8.3
PICK 600 (FIESTA II)	8.3	8.3
PRELUDE	8.3	8.3
PST-250 (COMPETITOR)	8.3	8.3
RONJA	8.3	8.3
VINFAGE-2DF	8.3	8.3
246	8.0	8.0
BAR LP 410	8.0	8.0
BELLE	8.0	8.0
BIRDIE II	8.0	8.0
BRENDA	8.0	8.0
CITATION II	8.0	8.0
DEL 946	8.0	8.0
DERBY	8.0	8.0
GATOR	8.0	8.0
ISI-K2 (DILLON)	8.0	8.0
KWS-AL-2 (AQUARIUS)	8.0	8.0
MOM LP 763	8.0	8.0
NK 80389	8.0	8.0
OVATION	8.0	8.0
PALMER	8.0	8.0
PATRIOT	8.0	8.0
PAVO	8.0	8.0
PICK 647 (RIVIERA)	8.0	8.0
PST-259 (COMMANDER)	8.0	8.0
PST-2PM (SATURN)	8.0	8.0
PST-M2E	8.0	8.0

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NM1	MEAN
PSU-222	8.0	8.0
RANGER	8.0	8.0
REGAL	8.0	8.0
REGENCY	8.0	8.0
RUNAWAY	8.0	8.0
SHERIFF	8.0	8.0
SR 4000	8.0	8.0
SR 4031	8.0	8.0
SR 4100	8.0	8.0
YORKTOWN II	8.0	8.0
BARRY	7.7	7.7
CALIENTE	7.7	7.7
ISI-851 (LINDSAY)	7.7	7.7
LINN	7.7	7.7
OMEGA II	7.7	7.7
PST-2DD	7.7	7.7
PST-2HH (CHARGER)	7.7	7.7
PSU-333	7.7	7.7
REPELL	7.7	7.7
RODEO	7.7	7.7
TARA	7.7	7.7
PICK 233 (DASHER II)	7.3	7.3
PICK 715	7.3	7.3
RIVAL	7.3	7.3
PST-2H7	7.0	7.0
LSD VALUE	1.0	1.0

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).

TABLE 8. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

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

NAME	ID2	MO1	NM1	MEAN
PST-2HH (CHARGER)	8.0	8.0	6.7	7.6
PST-2PM (SATURN)	8.3	8.0	6.3	7.6
PICK 647 (RIVIERA)	7.7	7.7	6.7	7.3
SR 4000	7.3	8.0	6.7	7.3
PICK 600 (FIESTA II)	8.0	7.7	6.0	7.2
PST-250 (COMPETITOR)	7.7	7.7	6.3	7.2
PST-M2E	8.0	7.7	6.0	7.2
PST-2H7	8.0	7.7	5.7	7.1
TARA	8.3	7.3	5.7	7.1
GOALIE	7.3	7.7	6.3	7.1
KWS-AL-2 (AQUARIUS)	8.7	7.0	5.7	7.1
PICK 300 (BLAZER II)	8.0	7.3	6.0	7.1
PST-259 (COMMANDER)	7.0	8.0	6.3	7.1
246	8.0	7.7	5.3	7.0
ALLAIRE	8.0	7.0	6.0	7.0
GATOR	7.3	7.3	6.3	7.0
OMEGA II	7.3	7.7	6.0	7.0
OVATION	7.0	7.7	6.3	7.0
PALMER	7.0	7.7	6.3	7.0
RIVAL	7.3	7.7	6.0	7.0
SR 4100	7.3	7.3	6.3	7.0
YORKTOWN II	7.3	7.0	6.7	7.0
MANHATTAN II	7.7	6.7	6.3	6.9
PICK 233 (DASHER II)	7.7	7.7	5.3	6.9
PICK 715	6.7	8.0	6.0	6.9
CITATION II	7.3	7.3	6.0	6.9
DIPLOMAT	7.3	7.3	6.0	6.9
ISI-851 (LINDSAY)	7.0	7.3	6.3	6.9
PRELUDE	7.3	8.0	5.3	6.9
REGENCY	7.0	7.3	6.3	6.9
PENNANT	7.0	7.7	5.7	6.8
BAR LP 454	7.0	7.3	6.0	6.8
PST-2DD	9.0	6.3	5.0	6.8
BARRY	7.0	7.0	6.0	6.7
DEL 946	7.0	7.3	5.7	6.7
MOM LP 763	7.0	7.3	5.7	6.7
RODEO	7.3	7.0	5.7	6.7
RUNAWAY	6.7	7.3	6.0	6.7
SR 4031	7.0	7.0	6.0	6.7
BIRDIE II	6.7	7.7	5.3	6.6

FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	ID2	MO1	NM1	MEAN
PSU-222	7.0	7.0	5.7	6.6
DERBY	7.3	7.0	5.3	6.6
RANGER	7.0	7.3	5.3	6.6
CALIENTE	6.7	7.0	5.7	6.4
PATRIOT	7.0	6.7	5.7	6.4
ACROBAT	6.3	7.3	5.7	6.4
BELLE	6.3	7.3	5.7	6.4
REPELL	7.0	7.3	5.0	6.4
RONJA	7.3	7.0	5.0	6.4
BAR LP 410	6.3	7.3	5.3	6.3
COWBOY	6.3	7.3	5.3	6.3
PENNFINE	7.0	7.3	4.7	6.3
REGAL	6.3	7.3	5.3	6.3
SHERIFF	6.7	7.0	5.3	6.3
PSU-333	6.7	7.0	5.0	6.2
NK 80389	7.0	6.3	5.3	6.2
DELRAY	6.7	6.7	5.0	6.1
VINTAGE-2DF	6.0	7.3	5.0	6.1
BRENDA	6.0	7.3	4.7	6.0
J207	5.7	6.3	6.0	6.0
MANHATTAN	6.3	6.3	5.3	6.0
ISI-K2 (DILLON)	5.3	6.7	5.7	5.9
PAVO	7.0	5.7	5.0	5.9
J208	6.3	6.3	4.3	5.7
LINN	4.0	4.7	5.7	4.8
LSD VALUE	1.0	0.9	2.3	0.9

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).

TABLE 9. PERCENT LIVING GROUND COVER (SPRING)
 RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 1988 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/

NAME	NE1	NM1	MEAN
PAVO	80.0	91.0	85.5
BAR LP 454	73.3	90.7	82.0
PICK 600 (FIESTA II)	70.0	92.0	81.0
PSU-222	70.0	91.0	80.5
J207	70.0	89.7	79.8
J208	70.0	88.7	79.3
MANHATTAN	70.0	88.3	79.2
RANGER	66.7	90.0	78.3
DIPLOMAT	70.0	86.3	78.2
ACROBAT	63.3	92.7	78.0
ISI-851 (LINDSAY)	70.0	86.0	78.0
PALMER	66.7	89.3	78.0
PST-2PM (SATURN)	66.7	89.3	78.0
PSU-333	66.7	89.3	78.0
REPELL	70.0	86.0	78.0
BELLE	66.7	88.7	77.7
PST-259 (COMMANDER)	63.3	92.0	77.7
RONJA	70.0	85.0	77.5
PST-250 (COMPETITOR)	63.3	91.3	77.3
NK 80389	66.7	87.7	77.2
OMEGA II	63.3	91.0	77.2
PATRIOT	63.3	91.0	77.2
PENNANT	66.7	87.7	77.2
BARRY	70.0	84.3	77.2
CALIENTE	73.3	81.0	77.2
ISI-K2 (DILLON)	70.0	84.3	77.2
OVATION	66.7	87.0	76.8
GATOR	70.0	83.3	76.7
SR 4000	63.3	89.7	76.5
TARA	66.7	86.0	76.3
MANHATTAN II	63.3	88.7	76.0
RUNAWAY	63.3	88.3	75.8
REGENCY	66.7	84.3	75.5
ALLAIRE	63.3	87.0	75.2
PST-M2E	60.0	89.3	74.7
RIVAL	60.0	88.7	74.3
RODEO	66.7	81.7	74.2
BIRDIE II	60.0	88.3	74.2
PENNFINE	63.3	84.3	73.8
PICK 300 (BLAZER II)	63.3	84.3	73.8

PERCENT LIVING GROUND COVER (SPRING)
 RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 1988 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS

NAME	NE1	NM1	MEAN
PST-2HH (CHARGER)	63.3	83.7	73.5
PICK 647 (RIVIERA)	56.7	89.7	73.2
VINTAGE-2DF	60.0	86.0	73.0
DERBY	56.7	88.7	72.7
PICK 233 (DASHER II)	60.0	85.3	72.7
YORKTOWN II	56.7	88.3	72.5
PST-2DD	56.7	88.0	72.3
MOM LP 763	60.0	84.3	72.2
GOALIE	60.0	82.7	71.3
BAR LP 410	56.7	86.0	71.3
BRENDA	53.3	87.7	70.5
246	53.3	86.7	70.0
PST-2H7	53.3	86.3	69.8
PICK 715	56.7	82.7	69.7
SHERIFF	53.3	86.0	69.7
CITATION II	50.0	89.3	69.7
DEL 946	50.0	86.0	68.0
PRELUDE	50.0	85.3	67.7
KWS-AL-2 (AQUARIUS)	53.3	81.0	67.2
SR 4100	50.0	83.7	66.8
DELRAY	46.7	86.0	66.3
SR 4031	46.7	85.3	66.0
REGAL	43.3	84.3	63.8
COWBOY	33.3	83.7	58.5
LINN	26.7	84.0	55.3
LSD VALUE	16.8	11.2	10.1

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).

TABLE 10. PERCENT LIVING GROUND COVER (SUMMER)
 RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 1988 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS

NAME	MO1	NM1	MEAN
PST-2PM (SATURN)	90.7	95.0	92.8
SR 4000	90.7	95.0	92.8
GOALIE	90.0	95.0	92.5
REGAL	90.0	95.0	92.5
PENNANT	89.3	95.0	92.2
CITATION II	88.7	95.0	91.8
DIPLOMAT	88.7	95.0	91.8
PST-259 (COMMANDER)	89.3	94.3	91.8
BIRDIE II	88.0	95.0	91.5
SR 4100	88.0	95.0	91.5
VINTAGE-2DF	88.0	95.0	91.5
ACROBAT	89.3	93.3	91.3
DEL 946	87.3	95.0	91.2
246	86.7	95.0	90.8
PST-250 (COMPETITOR)	86.7	95.0	90.8
SHERIFF	86.7	95.0	90.8
MOM LP 763	86.3	95.0	90.7
GATOR	86.0	95.0	90.5
OVATION	86.7	94.3	90.5
PENNFINE	86.0	95.0	90.5
PICK 715	90.0	91.0	90.5
RANGER	86.0	95.0	90.5
ALLAIRE	86.0	94.3	90.2
PATRIOT	85.3	95.0	90.2
PICK 233 (DASHER II)	89.3	91.0	90.2
PICK 600 (FIESTA II)	86.0	94.3	90.2
PST-2HH (CHARGER)	88.0	92.0	90.0
REGENCY	86.7	93.3	90.0
PRELUDE	84.7	95.0	89.8
RONJA	84.7	95.0	89.8
SR 4031	84.7	95.0	89.8
BAR LP 410	86.0	93.3	89.7
BRENDA	84.0	95.0	89.5
COWBOY	84.0	95.0	89.5
DELRAY	84.0	95.0	89.5
J208	84.0	95.0	89.5
PICK 300 (BLAZER II)	84.0	95.0	89.5
PST-M2E	84.0	95.0	89.5
PICK 647 (RIVIERA)	86.0	92.7	89.3
BELLE	83.3	95.0	89.2

PERCENT LIVING GROUND COVER (SUMMER)
 RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 1988 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS

NAME	MO1	NM1	MEAN
RUNAWAY	83.3	95.0	89.2
BAR LP 454	84.7	93.3	89.0
RIVAL	86.0	92.0	89.0
DERBY	82.0	95.0	88.5
REPELL	82.0	95.0	88.5
CALIENTE	84.7	91.7	88.2
PALMER	84.7	91.0	87.8
OMEGA II	83.0	92.0	87.5
BARRY	82.7	92.0	87.3
ISI-K2 (DILLON)	80.3	93.3	86.8
ISI-851 (LINDSAY)	81.3	91.7	86.5
PST-2DD	78.7	94.3	86.5
RODEO	81.3	91.7	86.5
TARA	79.3	93.7	86.5
YORKTOWN II	80.7	91.7	86.2
PAVO	79.3	92.7	86.0
PST-2H7	83.7	88.3	86.0
KWS-AL-2 (AQUARIUS)	76.7	95.0	85.8
MANHATTAN II	78.3	92.7	85.5
PSU-222	77.3	93.7	85.5
PSU-333	83.3	86.7	85.0
J207	74.0	95.0	84.5
MANHATTAN	77.3	91.7	84.5
NK 80389	73.3	95.0	84.2
LINN	68.3	94.3	81.3
LSD VALUE	6.8	5.0	4.2

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).

TABLE 11. PERCENT LIVING GROUND COVER (FALL)
 RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 1988 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	MO1	NM1	UB1	MEAN
PICK 647 (RIVIERA)	95.7	89.7	99.0	94.8
SR 4000	94.7	87.0	99.0	93.6
PST-2FM (SATURN)	96.0	86.0	96.0	92.7
PST-2HH (CHARGER)	95.3	89.3	93.0	92.6
GOALIE	94.7	83.3	99.0	92.3
MOM LP 763	94.0	84.3	96.3	91.6
RIVAL	94.7	84.3	94.7	91.2
PST-2H7	94.7	85.3	92.7	90.9
SR 4100	94.0	77.0	99.0	90.0
J207	90.7	86.0	93.0	89.9
BAR LP 454	92.7	77.7	99.0	89.8
OMEGA II	94.0	78.3	96.3	89.6
CITATION II	95.7	73.7	99.0	89.4
ALLAIRE	93.3	86.7	88.0	89.3
PENNANT	95.3	72.3	99.0	88.9
PST-259 (COMMANDER)	95.7	75.3	94.3	88.4
PST-250 (COMPETITOR)	94.3	74.3	94.7	87.8
KWS-AL-2 (AQUARIUS)	90.0	78.3	94.7	87.7
MANHATTAN II	90.7	77.7	94.7	87.7
PST-M2E	92.3	71.7	99.0	87.7
GATOR	92.3	74.7	94.7	87.2
VINTAGE-2DF	93.0	69.3	99.0	87.1
PICK 600 (FIESTA II)	92.3	74.3	94.3	87.0
SR 4031	91.3	73.3	96.3	87.0
OVATION	94.7	69.0	96.3	86.7
TARA	93.3	72.0	94.7	86.7
BIRDIE II	95.3	65.0	99.0	86.4
DIPLOMAT	95.3	72.7	91.3	86.4
ISI-K2 (DILLON)	94.0	79.3	86.0	86.4
PATRIOT	92.0	71.0	96.3	86.4
PICK 715	95.3	64.3	99.0	86.2
REGENCY	94.0	78.0	85.0	85.7
PALMER	93.0	66.0	97.7	85.6
CALIENTE	93.7	63.3	99.0	85.3
YORKTOWN II	92.7	71.7	91.7	85.3
246	92.3	66.7	96.0	85.0
PRELUDE	94.7	67.0	93.0	84.9
REGAL	94.7	61.0	99.0	84.9
PENNFINE	93.3	61.0	99.0	84.4
BARRY	93.7	64.3	94.7	84.2

PERCENT LIVING GROUND COVER (FALL)
 RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 1988 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	MO1	NM1	UB1	MEAN
REPELL	93.3	63.3	96.0	84.2
RANGER	94.7	73.3	83.3	83.8
PSU-222	92.7	78.3	80.0	83.7
RUNAWAY	93.0	74.3	83.3	83.6
BELLE	94.3	69.0	86.7	83.3
ACROBAT	94.0	71.0	84.7	83.2
PICK 233 (DASHER II)	95.3	55.0	97.7	82.7
BAR LP 410	94.7	56.7	96.0	82.4
DEL 946	93.0	60.0	94.3	82.4
ISI-851 (LINDSAY)	92.3	61.0	93.0	82.1
J208	92.0	63.3	88.3	81.2
PAVO	91.3	63.7	88.0	81.0
PSU-333	93.7	53.3	94.7	80.6
PICK 300 (BLAZER II)	94.3	73.3	73.0	80.2
PST-2DD	91.3	56.0	93.0	80.1
DERBY	93.3	56.0	89.7	79.7
MANHATTAN	92.7	67.3	78.3	79.4
LINN	83.3	68.3	83.3	78.3
RONJA	92.7	48.3	92.7	77.9
SHERIFF	94.0	51.0	88.3	77.8
NK 80389	91.0	65.0	76.7	77.6
RODEO	90.7	66.7	75.0	77.4
COWBOY	92.0	49.3	85.0	75.4
BRENDA	93.0	47.7	84.7	75.1
DELRAY	94.0	41.7	89.7	75.1
LSD VALUE	3.6	42.5	13.6	14.9

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).

TABLE 12. FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE 1/

NAME	ID2	MEAN
RIVAL	7.7	7.7
BAR LP 454	7.0	7.0
PST-2H7	6.7	6.7
ACROBAT	6.3	6.3
BAR LP 410	6.3	6.3
J208	6.3	6.3
PAVO	6.3	6.3
PST-2DD	6.3	6.3
PST-2PM (SATURN)	6.3	6.3
RANGER	6.3	6.3
J207	6.0	6.0
OMEGA II	6.0	6.0
RUNAWAY	6.0	6.0
BIRDIE II	5.7	5.7
BRENDA	5.7	5.7
CALIENTE	5.7	5.7
OVATION	5.7	5.7
PATRIOT	5.7	5.7
REGENCY	5.7	5.7
SR 4031	5.7	5.7
DEL 946	5.3	5.3
GOALIE	5.3	5.3
PENNFINE	5.3	5.3
PICK 300 (BLAZER II)	5.3	5.3
RONJA	5.3	5.3
SR 4000	5.3	5.3
LINN	5.0	5.0
MOM LP 763	5.0	5.0
PENNANT	5.0	5.0
PST-2HH (CHARGER)	5.0	5.0
TARA	5.0	5.0
CITATION II	4.7	4.7
COWBOY	4.7	4.7
KWS-AL-2 (AQUARIUS)	4.7	4.7
PAIMER	4.7	4.7
PICK 233 (DASHER II)	4.7	4.7
PICK 647 (RIVIERA)	4.7	4.7
REGAL	4.7	4.7
SHERIFF	4.7	4.7
SR 4100	4.7	4.7

FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE

NAME	ID2	MEAN
BARRY	4.3	4.3
BELLE	4.3	4.3
MANHATTAN II	4.3	4.3
PICK 600 (FIESTA II)	4.3	4.3
PICK 715	4.3	4.3
DIPLOMAT	4.0	4.0
GATOR	4.0	4.0
ISI-851 (LINDSAY)	4.0	4.0
MANHATTAN	4.0	4.0
NK 80389	4.0	4.0
PST-259 (COMMANDER)	4.0	4.0
RODEO	4.0	4.0
YORKTOWN II	4.0	4.0
DEIRAY	3.7	3.7
DERBY	3.7	3.7
ISI-K2 (DILLON)	3.7	3.7
PRELUDE	3.3	3.3
PST-250 (COMPETITOR)	3.3	3.3
PSU-333	3.3	3.3
246	3.0	3.0
ALLAIRE	2.7	2.7
PSU-222	2.3	2.3
REPELL	2.3	2.3
VINTAGE-2DF	2.3	2.3
PST-M2E	2.0	2.0
LSD VALUE	2.5	2.5

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).

TABLE 13. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

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

NAME	BC1	IL1	MEAN
PENNANT	6.0	8.3	7.2
PST-2H7	6.7	7.7	7.2
REGENCY	7.3	7.0	7.2
SR 4100	6.3	8.0	7.2
PST-250 (COMPETITOR)	6.7	7.3	7.0
PST-259 (COMMANDER)	7.0	7.0	7.0
SR 4000	6.3	7.7	7.0
MANHATTAN II	7.0	6.7	6.8
PST-2DD	6.7	7.0	6.8
PSU-333	6.7	7.0	6.8
YORKTOWN II	6.7	7.0	6.8
GATOR	6.3	7.3	6.8
PSU-222	6.3	7.3	6.8
CITATION II	6.7	6.7	6.7
DEL 946	6.3	7.0	6.7
PALMER	7.0	6.3	6.7
PICK 233 (DASHER II)	6.0	7.3	6.7
REGAL	7.0	6.3	6.7
BELLE	5.7	7.3	6.5
BRENDA	6.3	6.7	6.5
OMEGA II	6.7	6.3	6.5
PICK 647 (RIVIERA)	5.7	7.3	6.5
PST-2PM (SATURN)	6.0	7.0	6.5
PST-M2E	5.7	7.3	6.5
COWBOY	6.0	6.7	6.3
ISI-851 (LINDSAY)	5.7	7.0	6.3
NK 80389	6.7	6.0	6.3
PRELUDE	6.0	6.7	6.3
RANGER	5.7	7.0	6.3
REPELL	5.7	7.0	6.3
RUNAWAY	7.0	5.7	6.3
TARA	5.7	7.0	6.3
BIRDIE II	6.3	6.3	6.3
PICK 300 (BLAZER II)	5.3	7.3	6.3
PICK 715	5.3	7.3	6.3
ACROBAT	6.7	5.7	6.2
BARRY	6.7	5.7	6.2
J208	6.7	5.7	6.2
ALLAIRE	6.3	6.0	6.2
GOALIE	5.3	7.0	6.2

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	BC1	IL1	MEAN
MOM LP 763	6.0	6.3	6.2
OVATION	6.3	6.0	6.2
SHERIFF	6.3	6.0	6.2
SR 4031	6.3	6.0	6.2
DELRAY	6.0	6.0	6.0
ISI-K2 (DILLON)	6.3	5.7	6.0
PATRIOT	5.7	6.3	6.0
PICK 600 (FIESTA II)	5.7	6.3	6.0
246	5.7	6.0	5.8
DERBY	5.7	6.0	5.8
J207	6.7	5.0	5.8
MANHATTAN	6.7	5.0	5.8
PST-2HH (CHARGER)	5.0	6.7	5.8
RODEO	6.0	5.7	5.8
RONJA	6.0	5.7	5.8
BAR LP 454	5.3	6.3	5.8
PENNFINE	5.3	6.3	5.8
VINTAGE-2DF	5.3	6.3	5.8
CALIENTE	4.7	6.7	5.7
KWS-AL-2 (AQUARIUS)	6.0	5.3	5.7
RIVAL	6.0	5.3	5.7
BAR LP 410	5.3	5.7	5.5
DIPLOMAT	6.0	5.0	5.5
LINN	7.3	3.3	5.3
PAVO	6.0	4.3	5.2
LSD VALUE	1.8	1.5	1.2

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).

TABLE 14. MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

MOWING RATINGS 1-9; 9=CLEANEST CUT 1/

NAME	BC1	MEAN
BAR LP 454	7.0	7.0
BELLE	7.0	7.0
BIRDIE II	7.0	7.0
BRENDA	7.0	7.0
CITATION II	7.0	7.0
DEIRAY	7.0	7.0
DERBY	7.0	7.0
DIPLOMAT	7.0	7.0
GATOR	7.0	7.0
KWS-AL-2 (AQUARIUS)	7.0	7.0
MANHATTAN II	7.0	7.0
MOM LP 763	7.0	7.0
NK 80389	7.0	7.0
OMEGA II	7.0	7.0
PALMER	7.0	7.0
PATRIOT	7.0	7.0
PENNANT	7.0	7.0
PICK 233 (DASHER II)	7.0	7.0
PICK 300 (BLAZER II)	7.0	7.0
PICK 600 (FIESTA II)	7.0	7.0
PICK 715	7.0	7.0
PRELUDE	7.0	7.0
PST-250 (COMPETITOR)	7.0	7.0
PST-259 (COMMANDER)	7.0	7.0
PST-2DD	7.0	7.0
PST-2H7	7.0	7.0
PST-2HH (CHARGER)	7.0	7.0
PST-2PM (SATURN)	7.0	7.0
PST-M2E	7.0	7.0
PSU-222	7.0	7.0
PSU-333	7.0	7.0
RANGER	7.0	7.0
REGAL	7.0	7.0
RODEO	7.0	7.0
RONJA	7.0	7.0
SR 4000	7.0	7.0
SR 4100	7.0	7.0
TARA	7.0	7.0
YORKTOWN II	7.0	7.0
246	6.7	6.7

MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1988 DATA

MOWING RATINGS 1-9; 9=CLEANEST CUT

NAME	BC1	MEAN
ALLAIRE	6.7	6.7
BARRY	6.7	6.7
CALIENTE	6.7	6.7
GOALIE	6.7	6.7
ISI-851 (LINDSAY)	6.7	6.7
J208	6.7	6.7
PENNFINE	6.7	6.7
PICK 647 (RIVIERA)	6.7	6.7
REGENCY	6.7	6.7
REBELL	6.7	6.7
RIVAL	6.7	6.7
SHERIFF	6.7	6.7
SR 4031	6.7	6.7
COWBOY	6.3	6.3
DEL 946	6.3	6.3
J207	6.3	6.3
OVATION	6.3	6.3
RUNAWAY	6.3	6.3
VINTAGE-2DF	6.3	6.3
ACROBAT	6.0	6.0
BAR LP 410	6.0	6.0
ISI-K2 (DILLON)	6.0	6.0
PAVO	6.0	6.0
MANHATTAN	5.7	5.7
LINN	4.0	4.0
LSD VALUE	0.6	0.6

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).