

## 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 American Sod Producers Association, one member from the United States Golf Association (USGA) Green Section, one member from the Turfgrass Breeders Association, an executive director and a national program coordinator. 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 - Dr. Robert Shearman, University of Nebraska

National Program Coordinator - Kevin N. Morris, National Turfgrass Federation, Inc.

### **CURRENT POLICY COMMITTEE MEMBERS:**

Dr. Richard White, Texas A&M University  
Dr. Anthony Koski, Colorado State University  
Dr. Thomas Fermanian, University of Illinois  
Dr. Gerald Pepin, Pickseed West, Inc.  
Dr. Bridget Ruemmele, University of Rhode Island  
Mr. Al Gardner, A-G Turf Farms, Inc.  
Dr. Michael Kenna, USGA Green Section  
Ms. Crystal Rose-Fricker, Pure-Seed Testing, Inc.

### **FOR ADDITIONAL REPORTS OR INFORMATION WRITE:**

Kevin Morris, National Program Coordinator  
National Turfgrass Evaluation Program  
Beltsville Agricultural Research Center-West  
Building 002, Room 013  
Beltsville, Maryland 20705

CONTENTS

1990 National Perennial Ryegrass Test - 1991-94 data

LOCATIONS SUBMITTING DATA FOR 1991-94.....1

NATIONAL PERENNIAL RYEGRASS TEST, 1990 - Entries and Sponsors.....2

Table A - 1991-94 Locations, Site Descriptions and Management Practices  
in the 1990 National Perennial Ryegrass Test.....3

Table B - Locations and Data Collected in 1991-94.....4

Table 1 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars  
at Twenty-Four Locations in the U.S. And Canada.....7

Table 2 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars  
for Each Month Grown at Twenty-Four Locations  
in the U.S. And Canada.....10

Table 3 - Ranking of Mean Turfgrass Quality Ratings of Perennial  
Ryegrass Cultivars at Twenty-Four Locations  
in the U.S. And Canada.....13

Table 4 - Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars  
For Each Year in the U.S. And Canada.....19

Table 5 - Ranking of Mean Turfgrass Quality Ratings of Perennial  
Ryegrass Cultivars For Each Year in the U.S. And Canada.....21

Table 6 - Genetic Color Ratings of Perennial Ryegrass Cultivars.....23

Table 7 - Spring Greenup Ratings of Perennial Ryegrass Cultivars.....26

Table 8 - Leaf Texture Ratings of Perennial Ryegrass Cultivars.....29

Table 9 - Wear Tolerance Ratings of Perennial Ryegrass Cultivars.....31

Table 10- Seedling Vigor Ratings of Perennial Ryegrass Cultivars.....33

Table 11 - Spring Density Ratings of Perennial Ryegrass Cultivars.....36

Table 12 - Summer Density Ratings of Perennial Ryegrass Cultivars.....38

Table 13 - Fall Density Ratings of Perennial Ryegrass Cultivars.....40

Table 14 - Percent Living Ground Cover (Spring) Ratings of Perennial  
Ryegrass Cultivars.....42

Table 13 - Percent Living Ground Cover (Summer) Ratings of Perennial  
Ryegrass Cultivars.....44

Table 16 - Percent Living Ground Cover (Fall) Ratings of Perennial  
Ryegrass Cultivars.....46

CONTENTS (continued)

Table 17-	Winter Color Ratings of Perennial Ryegrass Cultivars.....	48
Table 18 -	Winter Kill Ratings of Perennial Ryegrass Cultivars.....	50
Table 19 -	Drought Tolerance (Wilting) Ratings of Perennial Ryegrass Cultivars.....	52
Table 20 -	Drought Tolerance (Dormancy) Ratings of Perennial Ryegrass Cultivars.....	54
Table 21 -	Drought Tolerance (Recovery) Ratings of Perennial Ryegrass Cultivars.....	56
Table 22 -	Typhula Blight Ratings of Perennial Ryegrass Cultivars.....	58
Table 23 -	Fusarium Patch Ratings of Perennial Ryegrass Cultivars.....	60
Table 24 -	Leaf Spot Ratings of Perennial Ryegrass Cultivars.....	62
Table 25 -	Dollar Spot Ratings of Perennial Ryegrass Cultivars.....	64
Table 26 -	Red Thread Ratings of Perennial Ryegrass Cultivars.....	66
Table 27 -	Brown Patch Ratings of Perennial Ryegrass Cultivars.....	69
Table 28 -	Pythium Blight Ratings of Perennial Ryegrass Cultivars.....	71
Table 29 -	Crown Rust Ratings of Perennial Ryegrass Cultivars.....	73
Table 30-	Brown Blight Ratings of Perennial Ryegrass Cultivars.....	75
Table 31 -	Snow Mold Combination (60% Pink + 40% Grey) Ratings of Perennial Ryegrass Cultivars.....	77
Table 32-	Canopy Height Measurements of Perennial Ryegrass Cultivars.....	79
Table 33 -	Leaf Rust Ratings of Perennial Ryegrass Cultivars.....	81
Table 34 -	Flood Recovery Ratings of Perennial Ryegrass Cultivars.....	83
Table 35 -	Mowing Ratings of Perennial Ryegrass Cultivars.....	85

LOCATIONS SUBMITTING DATA FOR 1991-94

<u>State</u>	<u>Location</u>	<u>Code</u>
Colorado	Fort Collins	CO1
District of Columbia	Washington Monument Grounds	DC1
Idaho	Rathdrum	ID3
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
Iowa	Ames	IA1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Maryland	Beltsville	UB1
Maryland	Silver Spring	MD1
Michigan	East Lansing	MI1
Nebraska	Lincoln	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
New Jersey	Martinsville	NJ3
Oregon	Hubbard (30-40% Shade)	OR7
Oregon	Summary of data collected at Corvallis, Halsey, Hubbard, Gervais	OR9
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Washington	Puyallup	WA3
Idaho	Post Falls	ID2
Ohio	Marysville	OH1
Ontario	Richmond Hill	ON1
Rhode Island	Kingston	RI1

1990 NATIONAL PERENNIAL RYEGRASS TEST

Entries and Sponsors

Entry No.	Name	Sponsor	Entry No.	Name	Sponsor	Entry No.	Name	Sponsor
1	Riviera	Roberts Seed Company	46	Pinnacle	Barenbrug USA	91	PS 89-90 (MVF 89-90)	Mid Valley Farms/Pro-Seeds
2	Calypto	Roberts Seed Company	47	Duet	Cascade Inter. Seed Co.	92	Stallion Select (PS-105)	Pro-Seeds Marketing
3	Seville	Willamette Seed Company	48	Pennant	E. F. Burlingham & Son	93	Stallion	Finelawn Research
4	Caliente	Willamette Seed Company	49	Competitor	E. F. Burlingham & Son	94	PR 9118	International Seeds, Inc.
5	Capri (ZW 42-176)	Limagrain Genetics	50	PR 9121	International Seeds, Inc.	95	SR 4200	Seed Research of OR, Inc.
6	BAR Lp 852	Barenbrug Holland	51	PR 9119	International Seeds, Inc.	96	Rodeo II	Turf Merchants
7	Barrage	Barenbrug Holland	52	PR 9108	International Seeds, Inc.	97	Patriot II	Turf Merchants
8	Barrage ++	Barenbrug Holland	53	Essence (PR 8820)	International Seeds, Inc.	98	Boardwalk (OFI-D4)	Olson-Fennel Seed Company
9	Commander	LESCO, Inc.	54	Cutless	International Seeds, Inc.	99	Elegance (OFI-F7)	Olson-Fennel Seed Company
10	Assure	LESCO, Inc.	55	Derby Supreme	International Seeds, Inc.	100	PR 9109	International Seeds, Inc.
11	Legacy	LESCO, Inc.	56	Regal	International Seeds, Inc.	101	Mulligan (NK 89001)	Medalist America
12	Dandy	Medalist America	57	Gator	International Seeds, Inc.	102	Target	Medalist America
13	Danilo	Danish Plant Breeding	58	Lindsay	International Seeds, Inc.	103	Goalie	Medalist America
14	Danaro	Danish Plant Breeding	59	Achiever (Pick 1800)	Pickseed West, Inc.	104	Advent	Jacklin Seed Company
15	Precision (Mom Lp 3147)	Advanta Seeds West	60	Riviera II (Pick DKM)	Roberts Seed Co.	105	APM	Medalist America
16	Mom Lp 3184	Advanta Seeds West, Inc.	61	Greenland (Pick 9100)	Pickseed West, Inc.	106	Pennfine	-
17	Mom Lp 3185	Advanta Seeds West, Inc.	62	Lynx (Pick EEC)	Olsen-Fennel Seed Co.	107	Unknown	-
18	Elite (WVPB-88-PR-C-23)	Forbes Seed & Grain	63	Express	Pickseed West	108	Palmer II (P89)	Loft's Seed, Inc.
19	Allegro	Prodana Seeds	64	Troubadour	International Seeds, Inc.	109	Yorktown III (LDRF)	Loft's Seed, Inc.
20	Taya	Prodana Seeds	65	Entrar	International Seeds, Inc.	110	Repell	Loft's Seed, Inc.
21	Loretta	O. M. Scott & Son	66	CLP 144	Cebeco Handelsraad	111	Prelude II (2P2-90)	Loft's Seed, Inc.
22	Ovation	O. M. Scott & Son	67	Morning Star (Syn-P)	Pennington Seed Inc.	112	Cowboy II (WM-II)	Loft's Seed, Inc.
23	Charisma (WVPB 89-92)	Production Serv. Int'l	68	Newlinn (N-33)	John R. Koos & Son	113	Repell II (LDRD)	Loft's Seed, Inc.
24	Buccaneer (Koos 90-1)	John R. Koos & Son	69	Dimension (2H7)	Advanta Seeds West, Inc.	114	Toronto	Advanta Seeds West, Inc.
25	Koos 90-2	John R. Koos & Son	70	Charger	Turf-Seed, Inc.	115	EEG 358	International Seeds, Inc.
26	Pleasure	Ampac Seed Company	71	Citation II	Turf-Seed, Inc.	116	Equal	All Star Farms, Inc.
27	Delaware Dwarf (4DD)	Ampac Seed Company	72	ZPS-2EZ	Zajac Performance Seeds	117	Nomad	Turf Merchants
28	BAR Lp 086FL	Barenbrug Holland	73	Manhattan II (E)	Manhattan Rye Growers	118	Evening Shade (Poly-SH)	Turf Merchants
29	Topeka (WVPB 88-PR-D-10)	Smith Seed Services	74	Prizm (ZPS-28D)	Zajac Performance Seeds	119	Mom Lp 3111	Advanta Seeds West, Inc.
30	Statesman (WVPB-88-PR-D-12)	Smith Seed Services	75	Navajo (PST-2DPR)	Turf-Seed, Inc.	120	Mom Lp 3179	Advanta Seeds West, Inc.
31	Accolade	O. M. Scott & Son	76	Wind Star (PST-28M)	Pure-Seed Testing, Inc.	121	HE 311	Advanta Seeds West, Inc.
32	NightHawk (WVPB-89-PR-A-3)	Forbes Seed & Grain	77	PST-290	Pure-Seed Testing, Inc.	122	Mom Lp 3182	Advanta Seeds West, Inc.
33	Affinity (GEN-90)	Genesis Group	78	PST-2ROR	Pure-Seed Testing, Inc.	123	Linn	-
34	Sherwood	Jonathan Green & Son	79	PST-23C	Pure-Seed Testing, Inc.			
35	Gettysburg	Cascade Inter./Jon. Green	80	Passport (PST-2FF)	Roberts Seed Co.			
36	240 (Pebble Beach)	Pennington Seed Inc.	81	Quickstart (PST-2FQR)	Turf-Seed, Inc.			
37	Pronto (WVPB-89-87A)	Proseeds	82	Shining Star (PST-2B3)	Pennington Seed, Inc.			
38	Fiesta II	Pickseed West, Inc.	83	Envy	Zajac Performance Seeds			
39	Cutter (Pick 89-4)	Pickseed West, Inc.	84	PST-20G	Turf-Seed, Inc.			
40	Lowgrow (Pick 89LLG)	Pickseed West, Inc.	85	Brightstar (PST-GH-89)	Turf-Seed, Inc.			
41	CLP 39	Cebeco Handelsraad	86	Saturn	Zajac Performance Seeds			
42	Surprise	Cebeco Handelsraad	87	856	Mid-Valley Ag. Products			
43	Cartel	Cebeco Handelsraad	88	89-666	Mid-Valley Ag. Products			
44	Meteor	Cebeco Handelsraad	89	C-21	Mid-Valley Ag. Products			
45	Premier	Barenbrug USA	90	Corsair (MVF 89-88)	John R. Koos & Son			

TABLE A.

1991-1994 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 1990 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
CO1	SANDY CLAY LOAM	7.6-8.5	0-60	501+	4.1-4.5	FULL SUN	2.1-2.5	TO PREVENT STRESS
DC1	LOAM	6.6-7.0	151-270	241-375	1.1-2.0	FULL SUN	2.1-2.5	NO IRRIGATION
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
ID2	SILT LOAM AND SILT	5.6-6.0	0-60	241-375	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
ID3	SILT LOAM AND SILT	7.1-7.5	61-150	501+	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
KS2	SANDY LOAM	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	271-450	241-375	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
MD1	SANDY LOAM	6.1-6.5	151-270	0-150	3.1-4.0	FULL SUN	0-0.5	TO PREVENT STRESS
MI1	SANDY LOAM	7.1-7.5	-	-	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
NE1	SANDY CLAY LOAM	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ1	LOAM	6.1-6.5	61-150	241-375	5.1-6.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	LOAM	6.1-6.5	271-450	241-375	5.1-6.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	SILT LOAM AND SILT	6.6-7.0	151-270	501+	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
OH1	SILTY CLAY LOAM	-	-	-	4.1-5.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
ON1	SILTY CLAY AND CLAY	6.6-7.0	-	-	-	FULL SUN	1.1-1.5	-
OR7	SILT LOAM AND SILT	5.6-6.0	151-270	241-375	4.1-5.0	UNIFORM SHADE	2.1-2.5	TO PREVENT DORMANCY
OR9	-	-	-	-	-	FULL SUN	-	-
RI1	SILT LOAM AND SILT	6.6-7.0	271-450	0-150	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
UB1	SANDY LOAM	5.6-6.0	151-270	0-150	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
VA1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
WA1	SILT LOAM AND SILT	5.6-6.0	0-60	501+	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
WA3	SANDY LOAM	5.6-6.0	0-60	151-240	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT STRESS

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 1991-1994

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
CO1					X	X	X	X	X	X		
DC1				X	X	X	X	X	X	X	X	
IA1				X	X	X	X	X	X	X		
ID2				X	X	X	X	X	X	X	X	
ID3				X	X	X	X	X	X	X	X	
IL1				X	X	X	X	X	X	X		
IL2				X	X	X	X	X	X	X		
KS2				X		X		X				
KY1			X	X	X	X	X	X	X	X		
MD1				X			X	X	X	X		X
MI1					X	X	X	X	X			
NE1					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
NJ3				X	X	X	X	X	X	X	X	
OH1				X		X	X			X		
ON1				X		X	X	X	X	X		
OR7			X	X	X	X	X	X	X	X	X	X
OR9	X	X	X	X	X	X	X	X	X	X	X	X
RI1					X	X	X	X	X	X	X	
UB1				X	X	X	X	X	X	X	X	
VA1				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

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 1991-1994

LOCATION	GENETIC COLOR RATING	SPRING GREENUP RATING	LEAF TEXTURE RATING	WEAR TOLERANCE	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	WINTER KILL	DROUGHT TOLERANCE WILTING	DROUGHT TOLERANCE DORMANCY	DROUGHT TOLERANCE RECOVERY
CO1	X				X							X				
DC1				X												
IA1																
ID2	X	X			X		X			X	X				X	
ID3	X	X	X		X		X	X	X	X						
IL1																
IL2															X	X
KS2	X															
KY1	X															
MD1	X					X										
MI1																
NE1	X															
NJ1	X						X				X					
NJ2																
NJ3	X	X	X			X	X	X								
OH1	X	X				X							X			
ON1					X	X			X					X		
OR7																
OR9	X				X							X				
RI1		X							X							
UB1		X														
VA1																
WA1																
WA3	X	X								X	X	X				



TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 1991-1994

LOCATION	TYPHULA BLIGHT	FUSARIUM PATCH	LEAF SPOT RATING	DOLLAR SPOT RATING	RED THREAD RATING	BROWN PATCH RATING	PYTHIUM BLIGHT RATING	CROWN RUST RATING	BROWN BLIGHT RATING	COMBINATION SNOW MOLD	CANOPY HEIGHT	LEAF RUST	FLOOD RECOVERY	MOWING
CO1														
DC1														
IA1														
ID2					X									
ID3		X			X					X				
IL1					X									
IL2						X	X				X			
KS2														
KY1														
MD1														
MI1	X				X									
NE1													X	
NJ1					X	X								
NJ2			X			X		X						
NJ3					X		X							
OH1					X									
ON1														
OR7														
OR9		X	X		X			X	X					X
RI1				X	X							X		
UB1			X											
VA1				X		X								
WA1														
WA3					X									X

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

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

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
* AFFINITY (GEN-90)	7.0	3.6	6.7	6.3	6.1	6.9	7.4	7.2	6.4	6.3	5.9	5.9	6.3	6.5	5.5	6.5	6.4	6.0	6.6	5.2	7.4	4.9	7.0	5.8	6.2
* PRELUDE II (2P2-90)	7.3	2.9	6.8	6.6	6.3	6.4	6.9	7.2	6.0	6.5	5.9	6.0	6.4	7.2	5.9	6.1	6.2	5.5	6.6	5.3	7.7	4.7	7.4	5.7	6.2
* PRIZM (ZPS-28D)	7.4	3.2	6.4	7.0	5.4	6.7	7.4	7.6	6.7	6.3	5.7	5.4	7.0	6.8	5.6	6.0	6.0	5.6	6.8	5.4	7.5	5.1	6.8	5.5	6.2
* CUTTER (PICK 89-4)	7.5	3.5	6.9	6.6	5.7	6.8	7.4	7.7	6.7	6.7	5.6	5.8	6.6	6.1	6.2	5.0	6.2	5.5	6.4	4.9	7.6	5.2	7.3	5.3	6.2
* BRIGHTSTAR (PST-GH-89)	7.3	3.1	6.5	7.6	6.3	5.8	7.0	7.5	6.6	6.1	5.9	5.5	6.8	6.9	5.8	5.8	6.4	5.7	6.2	4.5	7.8	4.8	7.3	5.9	6.2
* STALLION SELECT (PS-105)	7.1	3.7	6.6	6.8	6.2	6.7	6.7	6.6	6.8	6.6	6.0	5.8	7.0	6.5	6.1	6.1	6.2	5.2	6.1	5.4	7.3	4.5	7.4	5.6	6.2
* NIGHTHAWK (WVPB-89-PR-A-3)	7.3	3.3	6.4	6.8	6.4	6.2	7.0	7.3	6.9	6.3	6.0	6.3	6.6	6.4	6.0	6.0	6.2	5.4	6.2	5.3	7.2	4.3	7.4	5.6	6.2
* ASSURE	7.5	3.5	6.5	7.0	5.9	6.0	7.1	7.4	6.7	6.6	6.0	5.5	6.1	6.0	5.9	6.4	6.2	5.0	6.6	5.4	7.5	4.7	7.6	5.6	6.2
* REPELL II (LDRD)	7.2	3.4	6.3	6.4	5.8	6.8	6.6	7.7	6.9	6.7	5.9	6.0	6.6	6.9	5.8	5.7	6.2	5.4	6.5	5.0	7.5	4.9	6.8	5.4	6.2
* RIVIERA II (PICK DRM)	6.7	3.4	6.9	7.0	6.0	6.2	7.1	7.3	7.3	6.3	6.1	5.6	6.4	6.2	5.8	5.7	6.2	5.3	6.4	5.0	7.3	4.8	7.3	5.6	6.2
* YORKTOWN III (LDRF)	7.3	3.4	6.5	6.4	5.5	7.0	6.5	7.3	6.8	6.6	5.6	5.3	6.3	6.2	5.8	6.0	6.3	5.8	6.5	5.5	7.4	4.7	7.6	5.6	6.2
WIND STAR (PST-28M)	7.1	3.2	6.7	6.0	6.0	6.8	7.3	7.4	6.7	6.6	6.1	5.2	6.1	6.4	5.7	6.2	6.0	5.3	6.5	5.3	7.6	4.8	6.8	5.6	6.1
* APM	7.2	3.5	6.7	6.0	5.8	6.4	7.0	7.8	6.3	6.5	5.9	5.0	6.3	6.3	5.2	6.3	6.3	5.7	6.6	5.6	7.5	5.0	7.1	5.6	6.1
* ADVENT	7.5	3.5	6.6	6.2	6.1	6.6	6.8	7.6	6.1	6.4	6.0	5.0	6.5	6.5	5.4	6.1	6.0	5.1	6.4	5.4	7.3	5.1	7.4	5.7	6.1
PST-290	6.8	3.6	6.6	6.2	6.2	6.4	6.6	7.6	6.7	6.5	6.0	6.0	6.3	6.4	5.6	5.3	6.5	5.4	6.5	5.1	7.1	4.6	7.5	5.4	6.1
* PALMER II (P89)	7.2	3.1	6.3	5.0	5.7	6.2	6.8	7.4	7.1	6.3	5.8	5.5	6.5	7.4	5.8	6.0	6.1	5.4	6.4	5.2	7.8	5.0	7.5	5.6	6.1
* SEVILLE	7.2	4.2	6.1	6.4	6.1	7.1	7.1	7.6	6.3	6.5	5.8	4.9	6.1	6.3	5.2	5.9	6.4	5.2	6.4	5.3	7.3	4.8	7.2	5.8	6.1
* SR 4200	7.4	2.9	6.5	5.9	6.2	6.8	6.4	7.5	6.5	6.9	5.9	5.7	6.7	5.9	5.6	5.6	6.4	5.5	6.2	5.1	7.4	4.5	7.1	5.9	6.1
* PASSPORT (PST-2FF)	7.2	3.2	6.3	6.2	5.8	.	6.7	7.4	6.8	6.5	6.0	5.8	6.5	6.4	5.7	6.1	6.1	5.4	6.6	4.7	7.3	4.9	7.1	5.5	6.1
* DELAWARE DWARF (4DD)	7.1	4.0	6.8	6.6	6.5	6.6	7.3	7.6	6.9	6.5	5.9	5.1	6.0	6.0	4.7	5.6	6.3	5.2	6.0	5.2	7.0	4.5	7.1	5.5	6.1
PST-2ROR	7.3	3.5	6.6	6.9	6.3	.	6.4	7.1	6.7	6.8	6.5	5.7	5.8	6.3	5.2	5.7	6.6	5.3	6.4	5.0	6.8	4.4	7.0	5.6	6.1
* PINNACLE	7.5	3.2	6.4	6.2	6.0	6.9	7.0	7.5	6.6	6.5	5.9	5.0	6.6	6.1	5.2	5.8	6.3	4.8	6.2	5.5	7.2	4.7	6.9	5.7	6.1
* MORNING STAR (SYN-P)	7.4	3.9	6.4	5.5	5.9	5.7	7.2	7.4	6.7	6.3	5.8	5.5	6.5	6.6	5.8	5.6	6.8	5.0	6.3	5.3	7.1	4.8	6.8	5.7	6.1
89-666	7.0	3.7	6.3	7.3	6.1	6.7	6.8	7.1	6.8	6.6	5.7	5.6	6.3	5.5	5.1	5.8	6.1	4.4	5.8	5.5	7.2	4.9	7.0	5.7	6.0
* GREENLAND (PICK 9100)	7.0	3.3	6.1	7.4	5.6	6.1	6.8	7.6	6.7	6.5	5.7	5.7	6.0	6.9	5.3	5.3	6.3	5.0	6.5	4.9	7.3	4.4	7.4	5.3	6.0
* PRECISION (MOM LP 3147)	6.9	3.6	6.7	6.4	6.2	6.7	7.0	6.9	6.8	6.4	5.6	5.6	6.3	6.2	5.4	5.7	6.1	5.3	6.3	5.1	6.7	4.6	7.1	5.5	6.0
* LYNX (PICK EEC)	6.9	3.5	6.4	6.6	5.8	5.9	6.6	7.0	6.7	6.5	6.3	5.8	6.4	6.3	5.3	5.2	6.1	4.7	6.6	5.2	7.1	4.7	7.7	5.7	6.0
* QUICKSTART (PST-2FQR)	7.4	3.0	6.7	6.5	5.9	6.3	6.8	7.4	6.2	6.4	5.8	5.3	6.5	6.6	5.4	5.8	6.6	4.8	6.3	5.3	7.1	4.1	6.8	5.6	6.0
* DANDY	7.1	4.1	6.6	6.0	6.0	6.5	6.6	6.8	6.8	6.4	6.0	5.6	5.8	5.7	5.3	5.9	6.3	5.1	6.2	5.3	6.8	4.6	7.2	5.7	6.0
* LEGACY	7.1	4.0	6.4	4.9	6.1	6.1	6.6	7.4	6.9	6.5	5.7	5.3	6.3	6.4	5.6	5.7	6.2	5.1	6.4	5.0	7.2	4.5	7.2	5.5	6.0
* GETTYSBURG	7.0	3.2	6.6	5.7	6.2	6.5	6.7	6.6	6.2	6.3	6.4	4.8	6.7	6.6	5.8	5.5	6.1	4.8	6.3	5.6	7.4	4.9	6.9	5.4	6.0
* ACHIEVER (PICK 1800)	7.2	3.4	6.6	5.7	5.4	6.5	7.2	7.6	6.9	6.5	6.0	5.5	6.5	5.7	5.4	6.0	5.9	4.7	6.2	5.1	7.1	4.9	6.8	5.4	6.0
* NAVAJO (PST-2DPR)	7.1	3.9	6.8	6.4	6.4	6.4	6.5	7.3	6.4	6.5	6.0	5.7	5.6	5.6	5.1	5.4	6.3	5.7	6.1	5.1	6.8	4.4	7.0	5.5	6.0
* ENVY	7.1	3.6	6.4	7.2	6.3	6.6	6.2	7.4	5.9	6.2	6.2	6.0	5.9	5.1	5.2	6.0	6.4	5.3	6.2	5.1	6.8	4.5	7.0	5.3	6.0
* SHINING STAR (PST-2B3)	7.3	3.3	6.6	5.5	6.7	6.3	6.3	7.3	6.5	6.1	5.9	5.5	6.0	5.9	5.2	5.9	6.4	5.0	6.4	5.3	6.9	4.7	6.8	5.6	6.0
PST-23C	7.3	3.6	6.2	.	5.6	.	7.0	6.9	6.3	6.5	5.9	5.5	6.2	6.2	5.2	5.8	5.9	5.4	6.3	5.1	7.1	4.3	7.0	5.7	6.0
* LOWGROW (PICK 89LLG)	7.4	2.9	6.8	7.2	6.2	.	6.0	7.2	5.2	6.2	5.9	6.5	5.1	5.0	5.4	5.8	6.3	5.7	6.2	4.7	6.8	4.9	7.4	5.6	5.9
* SHERWOOD	7.1	3.6	6.5	6.9	6.2	6.2	6.9	7.6	4.8	6.5	6.1	5.9	5.5	4.9	5.2	5.8	6.0	5.4	6.1	4.9	6.8	4.7	7.3	5.5	5.9
* EQUAL	7.0	3.6	6.3	6.4	5.7	6.0	6.1	7.4	6.7	6.4	6.0	5.2	5.8	5.5	5.1	5.7	6.2	5.3	6.1	5.3	7.1	4.5	7.2	5.3	5.9
* BUCCANEER (KOOS 90-1)	7.0	3.3	6.6	6.0	6.0	6.1	6.8	7.3	6.5	6.4	5.8	4.9	6.1	6.3	5.0	5.9	6.1	4.1	6.1	5.1	7.1	4.9	7.2	5.2	5.9
PST-2OG	7.2	3.3	7.0	7.6	5.7	6.2	6.4	5.9	5.7	6.1	5.9	5.9	5.1	5.3	4.7	6.1	6.2	5.5	6.2	5.0	6.9	4.8	6.8	5.8	5.9
* TARGET	7.1	3.4	6.4	6.2	6.2	6.4	6.1	6.5	6.3	6.4	6.2	5.3	5.8	6.0	5.1	5.7	6.4	4.6	6.2	5.0	6.9	4.6	6.9	5.4	5.9
* DIMENSION (2H7)	7.2	3.0	6.6	6.5	5.9	6.2	6.6	6.7	6.2	6.3	5.9	5.2	6.1	5.5	5.1	5.8	6.6	5.0	6.3	4.9	6.7	4.2	6.7	5.6	5.9
* SATURN	7.2	3.5	6.2	6.1	6.4	6.4	6.0	7.6	6.4	6.3	6.1	5.1	5.4	4.9	5.2	6.0	6.7	4.8	5.9	4.8	6.7	4.2	6.9	5.6	5.8
* EXPRESS	6.9	3.7	6.4	6.3	5.9	6.4	6.9	7.1	6.3	6.2	5.9	5.4	6.0	5.3	5.2	5.8	5.7	4.1	6.2	5.2	6.9	4.4	6.8	5.4	5.8

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

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

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
* ESSENCE (PR 8820)	7.0	3.7	6.4	5.7	6.2	5.8	6.4	7.1	6.1	6.2	6.0	6.2	5.4	4.5	4.5	5.5	6.2	6.2	6.5	4.8	6.7	4.6	7.2	5.2	5.8
HE 311	6.9	3.4	7.0	6.1	6.0	6.4	5.6	7.2	6.2	6.6	5.8	5.2	4.9	5.3	5.4	5.8	6.8	5.4	6.0	5.1	6.5	4.6	6.8	5.0	5.8
* CHARISMA (WVPB 89-92)	7.2	3.2	6.6	5.9	6.3	6.4	6.1	6.5	6.4	6.5	6.0	6.2	5.4	4.9	4.9	5.6	6.5	5.4	6.1	4.8	6.6	4.5	6.6	5.3	5.8
* MANHATTAN II (E)	7.1	3.9	6.4	6.8	5.9	.	6.5	7.0	6.1	6.7	5.6	5.2	5.5	4.3	5.2	6.0	6.4	4.5	5.9	4.8	6.6	4.6	7.2	5.5	5.8
* COMPETITOR	6.8	4.0	6.3	6.7	5.9	6.3	6.3	6.9	6.1	6.2	5.9	5.4	5.2	4.5	5.1	5.6	6.1	5.5	6.1	5.0	7.0	4.3	7.0	5.3	5.8
* PATRIOT II	6.8	3.3	6.2	8.0	5.8	6.2	5.3	6.4	6.4	6.5	6.0	5.9	5.5	4.9	4.9	5.8	6.6	5.0	6.2	4.9	6.4	3.7	7.0	5.7	5.8
* PS 89-90 (MVF 89-90)	7.1	3.7	6.4	6.5	6.1	6.1	6.1	6.7	5.8	6.3	6.1	5.7	5.5	4.8	5.3	5.6	6.1	4.6	5.8	5.1	6.7	4.2	7.3	5.9	5.8
PR 9121	7.2	3.8	6.1	5.9	5.7	5.5	6.1	7.3	5.5	6.1	5.9	6.1	5.1	5.0	5.0	5.5	6.3	5.6	6.3	5.2	7.0	4.7	7.1	5.2	5.8
* PLEASURE	6.8	3.5	6.4	6.5	5.7	6.4	6.8	7.1	7.0	6.5	5.8	4.8	5.4	4.7	4.9	5.8	6.3	4.4	5.8	5.3	6.4	4.7	7.2	5.2	5.8
* CHARGER	6.5	3.5	6.8	5.4	6.1	5.7	6.0	7.0	6.3	6.2	6.1	5.3	5.6	5.3	4.9	6.1	6.4	5.1	6.5	5.1	6.2	4.3	7.2	5.6	5.8
* FIESTA II	6.9	3.7	6.5	6.4	6.1	5.8	6.1	7.4	6.4	6.4	6.3	5.5	5.1	4.6	5.1	5.5	6.1	4.7	5.9	5.0	6.3	4.4	7.1	5.8	5.8
ZPS-2EZ	6.7	3.2	6.3	7.6	5.8	6.1	6.0	6.6	5.7	6.1	5.5	5.3	6.1	5.4	5.4	5.6	5.9	4.5	6.2	5.1	6.7	4.4	7.5	5.4	5.8
* NOMAD	7.1	4.3	6.6	5.9	6.5	6.0	5.2	6.9	6.1	6.0	6.1	5.5	5.1	5.1	5.0	6.4	6.2	5.3	5.9	5.0	6.0	4.2	6.8	5.5	5.8
* 240 (PEBBLE BEACH)	7.2	3.6	6.3	6.8	6.1	5.3	5.9	6.6	6.0	6.4	6.0	5.5	5.0	4.7	5.1	6.0	6.3	5.3	6.0	5.3	6.6	4.4	6.9	5.5	5.8
* PRONTO (WVPB-89-87A)	7.0	3.5	6.5	5.1	6.0	6.1	6.4	6.9	6.6	6.2	6.1	5.0	5.5	5.5	4.9	5.6	6.1	4.6	6.1	5.3	6.7	4.4	7.0	5.4	5.8
* REPELL	7.2	3.2	6.3	6.5	5.8	6.7	6.2	6.7	6.5	6.3	6.3	5.6	4.7	4.2	4.8	5.8	6.2	5.2	5.7	4.9	6.7	4.8	6.8	5.5	5.8
* ELEGANCE (OFI-F7)	6.8	3.4	6.0	5.8	5.6	6.4	6.7	7.1	6.5	6.1	5.7	5.3	6.0	5.2	5.0	5.8	5.8	4.6	6.0	4.9	7.1	4.3	6.7	5.5	5.8
* COWBOY II (WM-II)	7.0	2.9	6.6	6.2	6.3	6.2	6.1	6.8	5.9	6.4	6.2	6.2	5.0	4.4	5.0	5.7	6.3	5.4	5.9	4.9	6.0	4.4	7.0	5.2	5.8
* GATOR	7.0	3.9	6.5	6.9	5.8	.	5.6	7.1	6.3	6.3	6.1	5.3	4.9	4.6	4.9	6.0	6.1	4.7	6.0	4.9	6.3	4.9	6.7	5.6	5.8
* PR 9119	6.8	3.4	6.7	6.1	5.9	.	6.1	6.6	6.3	6.4	5.9	5.9	5.7	5.1	5.0	5.1	5.9	5.0	6.2	5.0	6.9	4.4	7.0	5.0	5.8
KOOS 90-2	7.0	3.4	6.5	6.2	5.5	6.0	6.7	7.2	6.1	6.2	6.0	5.2	5.7	4.8	5.0	5.4	5.9	4.7	6.2	5.3	6.8	4.1	6.7	5.5	5.8
* STATESMAN (WVPB-88-PR-D-12)	6.9	3.6	6.3	6.1	6.0	.	5.9	7.0	5.9	6.3	5.9	5.6	5.8	4.7	4.9	5.8	6.2	4.9	6.0	5.2	6.3	4.2	6.9	5.6	5.7
* ELITE (WVPB-88-PR-C-23)	6.7	3.6	6.6	6.7	5.7	5.9	6.0	6.8	6.0	6.4	5.7	5.5	5.2	4.5	4.5	5.6	6.3	5.5	6.1	4.8	6.1	4.3	6.8	5.7	5.7
* EVENING SHADE (POLY-SH)	7.0	2.7	6.6	5.8	6.2	5.7	4.9	7.0	6.6	6.3	6.0	5.7	5.3	5.0	5.4	5.8	6.1	5.1	6.2	4.7	6.8	3.8	6.9	5.2	5.7
* COMMANDER	7.0	3.7	6.2	6.3	5.3	5.9	5.4	7.1	6.8	6.4	5.8	5.7	5.3	4.3	4.7	6.0	6.4	4.5	5.9	4.8	6.3	4.3	7.2	5.3	5.7
* RODEO II	7.2	3.2	6.6	5.0	5.7	6.5	5.5	7.1	6.1	6.2	5.9	5.7	5.5	4.5	4.9	6.3	6.2	4.4	5.7	4.9	6.8	3.6	6.7	6.0	5.7
* TOPEKA (WVPB-88-PR-D-10)	6.7	3.9	6.1	6.5	5.5	.	6.0	6.8	6.1	6.4	6.1	5.3	5.0	3.9	4.8	5.8	6.3	4.8	5.8	4.8	6.1	4.4	7.1	5.7	5.7
* NEWLINN (N-33)	7.1	3.1	6.6	5.8	6.1	6.4	6.1	6.8	6.3	6.2	5.8	5.1	5.4	4.3	4.9	5.8	6.3	4.7	5.9	4.9	6.6	4.1	6.4	5.3	5.7
UNKNOWN	6.7	3.0	6.4	6.1	5.9	.	5.4	6.9	6.3	6.5	6.1	5.4	4.8	4.5	4.7	5.9	6.4	5.0	5.7	4.8	5.9	4.6	6.9	6.2	5.7
* CUTLESS	7.0	4.2	6.7	6.1	6.0	6.1	5.5	6.9	6.0	6.0	5.7	5.4	4.9	4.1	4.6	5.5	6.0	4.9	6.0	5.0	6.6	4.4	6.7	5.6	5.7
* RIVIERA	7.1	3.5	6.3	5.6	5.8	6.2	6.4	6.9	6.2	6.5	5.8	5.0	5.4	4.5	4.6	5.8	6.1	4.4	5.8	4.9	6.4	4.5	6.9	5.1	5.7
* LINDSAY	6.9	3.5	6.4	6.1	6.1	5.6	5.7	6.9	6.2	6.3	5.8	5.3	4.7	4.5	4.6	5.7	6.5	4.9	5.8	4.7	6.0	4.3	6.8	5.6	5.6
EEG 358	7.0	4.1	6.7	6.4	6.0	6.0	5.4	6.3	6.0	6.0	6.4	5.8	4.2	3.9	4.5	6.0	6.4	5.4	5.4	4.7	6.7	4.2	6.2	5.4	5.6
* DERBY SUPREME	6.9	3.5	6.5	6.0	5.6	5.9	5.8	6.8	6.2	6.1	5.7	5.4	4.7	4.0	4.8	6.1	6.4	4.8	5.7	4.8	6.2	4.3	7.1	5.5	5.6
* PENNANT	7.1	4.3	6.1	5.6	5.8	.	5.7	7.1	5.2	6.2	6.2	4.8	5.3	4.3	4.9	5.9	6.2	4.9	5.7	5.0	6.1	4.5	7.0	5.4	5.6
PR 9118	6.7	3.5	6.5	5.1	5.6	6.2	5.6	6.9	5.9	6.3	6.0	5.4	5.4	4.6	4.4	5.3	6.7	4.8	5.8	4.9	6.8	4.2	6.7	5.4	5.6
* CALYPSO	6.8	4.0	6.3	6.1	5.9	6.2	6.0	6.8	5.9	6.5	6.0	5.2	4.7	4.1	4.4	5.8	6.1	4.6	5.6	5.0	5.9	4.4	6.8	5.5	5.6
* ACCOLADE	7.0	3.4	5.6	6.9	5.9	5.5	5.7	7.3	6.1	6.3	5.9	5.4	5.4	3.8	4.6	5.4	6.2	5.0	5.9	4.9	6.1	4.4	6.7	5.4	5.6
BAR LP 086FL	7.1	3.2	6.4	6.7	5.8	6.0	5.3	6.4	5.3	6.3	5.9	5.6	4.6	4.9	4.1	5.7	6.3	5.1	5.9	5.0	5.5	4.1	6.7	5.8	5.6
* CORSAIR (MVF 89-88)	6.6	3.5	6.7	6.3	5.6	5.9	5.9	6.8	6.2	6.4	6.2	5.4	4.8	4.0	4.8	5.4	6.1	4.4	5.8	4.7	6.0	4.5	6.5	5.3	5.6
* CITATION II	6.7	3.7	6.2	5.8	5.8	.	6.5	7.0	5.8	6.0	6.0	5.9	4.6	4.1	4.4	6.0	6.4	4.2	5.7	4.7	6.1	4.1	6.7	5.5	5.6
* BARRAGE ++	6.4	5.1	6.5	5.8	5.4	6.6	6.1	6.2	5.9	6.5	5.9	5.6	3.8	3.6	4.3	6.0	6.1	4.7	5.3	4.5	6.3	4.9	6.2	5.3	5.5
PR 9109	6.9	3.9	6.3	5.9	5.3	6.4	5.9	6.7	6.0	6.1	5.9	4.9	4.7	4.0	4.4	5.5	6.3	5.2	5.6	4.7	6.5	4.4	6.3	5.1	5.5
* PREMIER	7.1	3.4	6.0	6.2	5.5	.	6.0	7.0	6.5	6.2	6.0	5.7	4.8	3.7	4.9	5.9	6.0	4.2	5.4	4.8	5.8	4.7	6.4	5.2	5.5
* PR 9108	6.9	3.1	6.5	5.8	5.2	.	5.8	6.8	6.4	6.1	5.8	5.2	4.9	3.7	4.6	5.5	5.9	4.9	5.9	4.6	6.1	4.2	6.6	5.5	5.5

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
* CAPRI (ZW 42-176)	6.8	3.3	6.3	5.1	5.6	5.5	5.5	6.3	5.2	6.0	5.6	4.6	5.1	4.6	4.8	6.0	6.5	4.8	6.0	5.4	5.9	4.3	6.8	5.4	5.5
* STALLION	6.8	3.5	6.1	4.9	5.8	.	5.9	6.4	6.2	6.4	6.0	5.2	5.0	3.9	4.6	5.5	6.2	4.9	5.7	5.0	6.2	4.0	6.6	5.4	5.5
MOM LP 3184	6.4	3.8	6.0	5.7	5.6	6.2	6.4	6.4	6.1	5.8	5.7	5.1	4.4	4.0	4.7	5.8	6.2	4.5	5.4	4.8	5.8	4.5	6.6	5.4	5.5
* BARRAGE	6.3	4.3	6.5	6.0	5.6	.	5.9	6.7	6.0	6.1	6.1	5.6	3.8	3.5	4.1	6.0	6.3	4.7	5.4	4.7	6.1	4.4	6.5	5.2	5.5
C-21	6.6	3.6	6.6	5.0	5.3	6.0	5.5	6.2	6.3	6.2	6.1	5.4	4.7	4.2	4.4	5.4	6.3	5.1	5.7	4.7	5.9	4.2	6.5	5.3	5.5
* CALIENTE	6.4	4.2	5.7	6.3	5.5	6.1	5.7	6.9	5.9	6.4	5.9	5.1	4.3	3.6	4.7	6.0	5.8	3.6	5.1	5.0	5.9	4.6	6.6	5.5	5.5
* REGAL	6.7	3.0	5.8	6.0	5.9	.	6.2	6.7	6.8	6.0	5.8	4.9	4.5	4.4	4.8	5.4	6.0	3.7	5.2	4.9	6.0	4.6	6.7	5.2	5.4
* TAYA	6.4	3.5	6.4	6.2	5.3	5.7	5.4	6.8	6.0	6.0	6.1	5.7	4.0	3.7	4.1	5.6	6.4	5.0	5.5	4.7	6.0	4.2	6.4	5.3	5.4
CLP 39	6.4	3.7	6.4	6.4	6.0	.	4.9	6.3	5.5	6.3	6.1	6.0	3.6	2.9	4.2	5.8	6.5	5.3	5.5	4.8	5.9	4.2	6.6	5.5	5.4
* MULLIGAN (NK 89001)	6.7	3.5	6.1	5.2	5.2	6.4	5.8	6.4	5.6	6.3	5.8	4.7	5.0	3.8	4.3	5.6	6.1	4.1	5.5	4.7	6.2	4.6	6.8	5.3	5.4
BAR LP 852	6.7	3.7	6.2	5.6	4.9	5.9	6.0	6.1	5.8	5.9	6.1	4.7	4.9	3.5	4.2	5.4	6.1	4.9	5.4	5.1	6.1	4.2	6.8	5.1	5.4
* BOARDWALK (OFI-D4)	6.6	3.6	6.3	5.8	5.5	6.2	5.1	6.2	5.7	6.0	6.0	5.7	4.2	3.8	4.1	5.5	6.3	4.5	5.4	4.5	6.2	3.8	6.5	5.3	5.4
* ALLEGRO	6.7	3.7	6.5	6.3	5.3	5.8	5.1	5.8	5.6	5.9	6.1	5.7	4.0	3.5	4.1	5.5	6.4	5.3	5.7	4.5	5.6	3.8	6.6	5.4	5.4
* DANILLO	6.4	3.7	6.2	6.6	5.8	5.7	5.4	6.0	5.6	6.4	6.0	5.4	3.6	3.4	4.1	5.8	6.3	4.0	5.4	4.8	5.2	4.1	6.8	5.5	5.3
856	7.0	3.3	5.7	5.3	5.9	6.0	5.4	6.2	6.1	6.0	5.9	4.7	4.2	3.1	4.4	5.8	6.3	4.3	5.2	4.8	5.5	4.1	6.7	5.2	5.3
* DUET	6.5	3.1	6.4	5.6	4.8	6.0	5.8	6.4	5.5	5.8	5.9	5.1	4.3	3.9	4.5	5.6	6.1	4.6	5.3	4.5	5.8	4.0	6.6	4.9	5.3
* LORETTA	6.2	4.9	6.4	6.1	5.5	.	4.6	6.3	5.4	6.3	6.3	5.2	3.7	2.7	3.8	5.3	6.7	5.0	5.1	4.5	5.6	4.4	6.2	5.3	5.3
CLP 144	6.3	3.3	6.4	5.6	5.8	5.5	5.2	4.8	5.5	5.9	5.7	6.2	3.8	3.2	3.9	5.5	6.5	5.2	5.5	4.5	5.8	4.0	6.3	5.2	5.2
TORONTO	6.3	3.7	6.0	5.9	5.5	6.0	4.3	6.2	5.6	6.1	5.9	5.5	3.5	3.0	4.0	5.7	6.3	4.6	5.1	4.7	5.0	4.5	5.9	5.2	5.2
MOM LP 3182	6.2	3.5	5.7	5.8	5.3	6.6	5.3	5.8	5.8	6.2	5.8	4.7	4.1	2.8	4.0	5.9	6.4	4.4	4.9	4.8	5.8	4.2	6.0	4.5	5.2
* DANARO	6.3	3.8	6.3	5.8	5.6	5.5	4.8	5.8	5.3	5.9	5.7	5.2	3.8	2.8	4.4	5.8	6.1	4.8	5.2	4.4	5.1	4.0	6.3	5.0	5.2
* OVATION	6.1	3.4	6.2	6.1	5.8	6.0	4.8	5.7	5.3	6.2	6.0	5.3	3.6	2.6	3.9	5.4	6.4	4.4	5.2	4.7	5.3	4.0	6.3	5.2	5.2
MOM LP 3185	6.5	3.5	5.6	5.5	5.1	.	5.8	6.1	6.1	5.9	5.6	5.1	3.8	3.1	3.8	5.7	6.4	4.3	5.0	4.8	5.3	3.9	6.3	5.0	5.1
* ENTRAR	6.1	3.5	6.3	6.2	5.3	6.2	4.6	5.8	5.3	6.0	6.1	5.1	3.8	3.2	4.0	5.2	6.2	4.5	5.2	4.6	5.4	3.3	6.2	5.1	5.1
* PENNFINE	6.5	3.5	6.0	5.6	5.3	.	4.3	5.9	5.4	6.1	6.3	4.7	4.0	2.8	4.0	5.6	6.2	3.7	4.9	4.6	5.2	4.1	6.5	6.4	5.1
* TROUBADOUR	6.2	3.4	6.2	6.1	5.7	5.7	3.7	5.6	5.1	6.0	6.0	3.1	3.1	3.6	6.0	6.1	4.4	5.1	4.2	5.1	4.2	3.5	5.6	5.1	5.0
MOM LP 3111	5.9	3.2	5.9	5.9	5.2	5.9	4.3	5.3	5.3	5.8	6.1	4.9	3.3	2.9	3.9	5.8	5.9	4.5	5.3	4.7	4.8	3.9	6.4	4.9	5.0
* SURPRISE	6.0	3.7	6.0	5.6	5.4	5.6	4.1	5.2	5.3	5.8	5.7	5.0	3.3	3.3	3.7	5.7	6.3	4.5	5.3	4.4	5.2	3.6	6.3	5.0	5.0
MOM LP 3179	5.8	3.3	5.2	5.6	5.0	.	5.0	5.6	5.2	5.8	6.1	4.8	3.5	2.7	4.0	5.8	5.9	4.0	4.7	4.8	5.1	3.9	6.3	4.8	4.9
* GOALIE	6.0	3.3	6.0	5.7	5.5	.	4.4	6.1	5.1	6.0	4.7	3.4	2.3	3.7	5.5	6.1	3.5	4.9	4.2	5.1	3.7	6.3	4.6	4.9	4.9
* METEOR	5.5	2.9	6.0	5.5	5.2	5.6	5.0	5.4	4.7	5.7	5.5	4.3	3.1	2.9	3.4	5.5	6.2	5.1	5.1	4.4	4.6	3.5	5.7	5.0	4.8
* CARTEL	5.5	3.0	5.6	4.7	5.2	5.7	4.5	5.1	5.3	5.8	5.4	4.8	3.0	2.9	3.4	5.0	6.3	4.3	4.9	4.5	4.4	3.6	6.3	5.7	4.8
* LINN	4.0	2.2	4.5	3.2	3.0	.	2.6	3.7	3.7	5.0	5.3	3.9	1.8	1.0	2.1	4.8	5.3	3.1	3.1	3.0	3.0	3.1	4.3	3.7	3.5
LSD VALUE	0.7	0.6	0.6	1.1	0.7	1.2	0.8	1.0	0.8	0.4	0.5	0.6	0.5	0.7	0.5	1.2	0.6	0.7	0.3	0.8	0.4	0.4	0.5	1.0	0.1

\* COMMERCIALY AVAILABLE IN THE USA IN 1995.

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-FOUR LOCATIONS IN THE U.S. AND CANADA 1991-1994 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
CUTTER (PICK 89-4)	5.5	5.9	6.4	6.7	6.0	6.2	6.0	6.0	6.3	6.6	6.2	5.9	6.2
PRIZM (ZPS-28D)	5.9	6.0	6.3	6.6	6.3	6.3	6.1	6.0	6.2	6.4	6.2	6.1	6.2
AFFINITY (GEN-90)	6.1	6.7	6.5	6.3	6.3	6.3	6.2	5.9	6.2	6.5	6.1	6.1	6.2
PRELUDE II (2P2-90)	6.1	6.3	6.4	6.5	6.2	6.3	6.1	5.9	6.2	6.4	6.0	5.9	6.2
BRIGHTSTAR (PST-GH-89)	5.3	5.7	6.4	6.6	6.6	6.3	6.0	5.8	6.1	6.4	5.9	5.6	6.2
STALLION SELECT (PS-105)	5.2	6.2	6.7	6.5	6.2	6.2	6.0	5.9	6.2	6.6	6.1	5.7	6.2
REBEL II (LDRD)	6.0	6.1	6.4	6.5	6.1	6.1	6.1	5.9	6.1	6.5	6.0	6.0	6.2
ASSURE	6.0	6.4	6.6	6.5	6.2	6.2	6.1	5.8	6.0	6.3	5.9	5.5	6.2
NIGHTHAWK (WVPB-89-PR-A-3)	5.4	6.0	6.4	6.6	6.2	6.2	6.0	5.8	6.1	6.3	6.0	5.9	6.2
RIVIERA II (PICK DKM)	5.8	6.4	6.7	6.6	6.2	6.2	6.1	5.9	6.1	6.4	6.0	5.8	6.2
YORKTOWN III (LDRF)	5.9	6.3	6.6	6.4	6.0	6.2	6.1	5.7	6.1	6.4	6.0	6.0	6.2
PALMER II (P89)	5.9	5.7	6.6	6.7	6.2	6.2	6.0	5.8	6.1	6.4	6.1	5.9	6.2
APM	5.9	6.3	6.4	6.4	6.1	6.2	6.1	5.9	6.1	6.3	5.9	5.8	6.2
ADVENT	6.1	6.1	6.2	6.2	6.0	6.2	6.2	5.8	6.1	6.4	5.9	6.0	6.2
WIND STAR (PST-28M)	6.2	6.3	6.2	6.4	6.0	6.2	6.0	5.9	6.1	6.5	5.9	5.9	6.2
SEVILLE	5.7	6.4	6.3	6.2	6.0	6.2	6.1	5.8	6.0	6.3	5.9	5.7	6.1
PST-290	5.5	5.9	6.5	6.4	6.1	6.1	6.0	5.9	6.1	6.3	5.9	5.7	6.1
DELAWARE DWARF (4DD)	5.4	6.1	6.4	6.1	5.9	6.2	6.1	5.8	6.0	6.3	5.9	5.9	6.1
PASSPORT (PST-2FF)	6.1	6.2	6.4	6.5	6.0	6.1	6.0	5.9	6.0	6.3	5.8	5.9	6.1
SR 4200	5.5	6.0	6.4	6.4	6.1	6.1	6.0	5.7	6.0	6.3	5.8	5.9	6.1
MORNING STAR (SYN-P)	5.9	6.3	6.5	6.3	6.0	6.1	6.0	6.0	6.0	6.1	6.0	5.6	6.1
PINNACLE	6.1	6.4	6.2	6.2	5.8	6.2	6.1	5.8	5.9	6.2	6.0	5.8	6.1
PST-2ROR	5.3	5.7	5.8	6.3	6.1	6.1	6.1	5.8	5.9	6.3	5.7	5.8	6.0
PRECISION (MOM LP 3147)	6.3	6.0	6.4	6.1	5.8	6.0	6.0	5.7	6.1	6.5	6.0	5.8	6.0
LYNK (PICK EEC)	5.8	5.8	6.5	6.4	6.0	6.0	5.9	5.7	6.2	6.2	5.9	5.7	6.0
LEGACY	5.8	6.1	6.8	6.5	6.1	6.1	5.8	5.6	5.9	6.2	5.9	5.9	6.0
GETTYSBURG	5.7	6.1	6.1	6.3	6.0	6.1	5.9	5.7	6.1	6.4	6.0	5.8	6.0
89-666	5.8	5.9	6.4	6.2	5.8	6.0	6.0	5.7	6.1	6.3	5.7	5.6	6.0
ACHIEVER (PICK 1800)	5.6	5.7	6.3	6.2	5.8	6.0	6.0	5.8	6.0	6.3	5.7	5.5	6.0
DANDY	5.8	6.2	6.6	5.9	5.8	6.1	6.1	5.7	6.0	6.2	5.8	5.8	6.0
GREENLAND (PICK 9100)	5.8	5.9	6.5	6.4	6.1	6.0	5.9	5.7	6.0	6.2	5.8	5.7	6.0
QUICKSTART (PST-2FQR)	6.1	6.2	6.3	6.4	5.8	5.9	5.9	5.7	6.0	6.1	5.8	5.8	6.0
NAVAJO (PST-2DPR)	5.3	5.5	6.5	6.6	6.2	5.9	5.7	5.5	5.8	6.2	6.0	5.8	6.0
PST-23C	6.0	6.1	6.4	6.2	5.8	6.0	6.0	5.7	5.9	6.0	5.7	5.9	6.0
SHINING STAR (PST-2B3)	5.9	6.3	6.4	6.1	5.7	5.9	5.8	5.7	6.1	6.3	5.9	5.7	5.9
ENVY	5.9	6.1	5.9	6.1	5.7	5.9	5.8	5.7	6.0	6.1	5.6	5.3	5.9
EQUAL	5.6	5.5	6.2	5.9	5.7	6.0	5.9	5.6	5.8	6.1	5.9	5.7	5.9
BUCCANEER (KOOS 90-1)	5.6	5.7	6.0	6.2	5.9	6.0	5.8	5.6	5.8	6.1	5.5	5.2	5.9
SHERWOOD	5.4	6.1	5.8	5.9	5.6	5.9	5.8	5.5	5.8	6.0	5.8	5.6	5.9
LOWGROW (PICK 89LLG)	5.5	6.0	5.7	6.0	6.1	6.1	5.6	5.5	5.8	6.0	5.4	5.1	5.9
ESSENCE (PR 8820)	5.7	5.9	6.0	6.1	6.0	6.0	5.7	5.4	5.9	6.0	5.6	5.7	5.8
TARGET	5.6	5.9	5.8	5.8	5.8	5.9	5.8	5.6	5.9	6.1	5.5	5.5	5.8
PST-2OG	5.2	5.9	5.8	5.9	5.8	6.0	5.8	5.5	5.9	6.1	5.5	5.2	5.8
DIMENSION (2H7)	5.6	6.1	6.1	6.2	5.7	5.8	5.7	5.4	5.9	6.1	5.9	5.8	5.8
EXPRESS	5.8	6.1	6.2	6.0	5.6	5.9	5.8	5.5	5.6	6.0	5.6	5.7	5.8

TABLE 2.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
COMPETITOR	5.3	5.9	6.0	6.0	5.6	5.6	5.7	5.5	5.8	6.2	5.7	5.3	5.8
SATURN	5.7	6.1	6.2	6.0	5.5	5.7	5.7	5.4	5.7	6.0	5.5	5.3	5.8
CHARGER	5.7	6.1	6.7	6.1	5.6	5.8	5.7	5.5	5.8	6.0	5.5	5.5	5.8
PRNTO (WVPB-89-87A)	5.7	6.0	6.2	6.0	5.7	5.8	5.7	5.4	5.7	6.0	5.5	5.4	5.8
PR 9121	6.0	5.7	6.0	6.0	5.7	5.7	5.6	5.4	5.7	5.9	5.9	5.9	5.8
PLEASURE	5.5	5.9	6.2	5.8	5.4	5.9	5.8	5.5	5.7	6.0	5.3	5.3	5.8
CHARISMA (WVPB 89-92)	5.6	5.9	5.9	6.0	5.8	5.9	5.7	5.4	5.7	6.0	5.4	5.4	5.8
MANHATTAN II (E)	5.7	5.8	5.9	5.8	5.6	5.8	5.7	5.6	5.7	5.9	5.4	5.2	5.8
HE 311	5.3	5.7	5.5	5.7	5.7	6.0	5.8	5.5	5.7	5.9	5.1	4.9	5.8
PS 89-90 (MVF 89-90)	5.5	6.2	6.0	6.0	5.7	5.8	5.5	5.3	5.7	6.0	5.5	5.6	5.8
ELEGANCE (OFI-F7)	5.5	6.3	6.3	6.1	5.6	5.8	5.6	5.5	5.7	5.9	5.5	5.3	5.8
FIESTA II	5.6	6.0	6.1	5.7	5.5	5.8	5.7	5.5	5.6	5.9	5.5	5.5	5.8
ZPS-2EZ	5.9	5.9	6.1	5.8	5.6	5.8	5.6	5.6	5.9	6.1	5.6	5.1	5.8
PR 9119	5.5	5.9	6.1	6.0	5.7	5.9	5.6	5.5	5.8	6.0	5.6	5.7	5.8
KOCS 90-2	6.1	5.9	6.1	5.8	5.6	5.7	5.6	5.4	5.6	6.0	5.7	5.9	5.7
NOMAD	5.9	5.6	5.8	5.9	5.8	5.9	5.4	5.2	5.6	6.0	5.5	5.6	5.7
REPELL	5.7	5.7	5.9	5.7	5.6	5.9	5.7	5.4	5.7	5.9	5.2	5.2	5.7
240 (PEBBLE BEACH)	5.1	5.9	6.0	6.0	5.5	5.7	5.6	5.3	5.7	6.0	5.4	5.1	5.7
PATRIOT II	5.5	5.9	6.4	6.1	5.7	5.8	5.5	5.2	5.5	6.1	5.6	5.3	5.7
GATOR	5.8	6.1	5.8	5.8	5.6	5.8	5.6	5.4	5.6	5.9	5.3	5.3	5.7
COWBOY II (WM-II)	5.3	5.9	6.0	5.7	5.3	5.8	5.7	5.4	5.7	5.8	5.0	5.0	5.7
STATESMAN (WVPB-88-PR-D-12)	5.7	6.1	6.3	6.1	5.5	5.7	5.5	5.3	5.5	5.8	5.6	5.7	5.7
ELITE (WVPB-88-PR-C-23)	5.7	6.0	5.9	5.8	5.8	5.7	5.4	5.2	5.6	5.8	5.4	5.5	5.7
EVENING SHADE (POLY-SH)	5.0	5.9	6.5	6.4	5.8	5.6	5.4	5.0	5.5	5.9	5.3	5.1	5.7
COMMANDER	5.4	5.8	6.4	5.9	5.3	5.6	5.4	5.3	5.5	5.9	5.3	5.5	5.6
CUTLESS	5.9	6.0	5.8	5.7	5.6	5.6	5.4	5.3	5.5	5.9	5.5	5.1	5.6
RIVIERA	5.6	5.7	5.9	5.5	5.3	5.7	5.5	5.3	5.5	5.9	5.5	5.3	5.6
RODEO II	5.7	6.0	6.1	5.8	5.4	5.6	5.4	5.2	5.4	5.9	5.5	5.3	5.6
NEWLINN (N-33)	5.7	5.8	6.2	5.9	5.4	5.6	5.4	5.3	5.5	5.8	5.3	5.4	5.6
TOPEKA (WVPB-88-PR-D-10)	5.9	5.7	6.1	5.7	5.3	5.6	5.5	5.2	5.5	5.7	5.2	5.8	5.6
PENNANT	5.5	6.3	5.8	5.5	5.1	5.7	5.7	5.4	5.3	5.7	5.3	5.2	5.6
PR 9118	5.3	5.6	5.9	6.0	5.5	5.6	5.3	5.2	5.4	5.8	5.4	5.5	5.6
DERBY SUPREME	5.6	5.7	5.9	5.6	5.2	5.6	5.4	5.2	5.4	5.8	5.3	5.2	5.6
UNKNOWN	5.8	5.5	5.9	5.4	5.1	5.5	5.6	5.4	5.6	5.8	5.2	5.6	5.6
LINDSAY	5.8	6.0	5.9	5.8	5.5	5.6	5.4	5.1	5.5	5.7	5.2	5.2	5.6
EEG 358	5.2	5.3	5.3	5.5	5.7	5.8	5.4	5.3	5.6	5.7	5.0	4.5	5.6
CALYPSO	5.5	6.1	5.7	5.4	5.3	5.6	5.5	5.2	5.5	5.7	5.1	5.1	5.6
ACCOLADE	5.8	6.0	6.3	5.7	5.1	5.5	5.5	5.3	5.5	5.7	5.1	5.3	5.5
CORSAIR (MVF 89-88)	5.3	5.7	5.8	5.7	5.4	5.5	5.3	5.1	5.4	5.7	5.2	5.1	5.5
PR 9109	5.4	5.8	5.8	5.7	5.3	5.5	5.5	5.1	5.4	5.7	5.1	5.3	5.5
BARRAGE ++	5.4	5.9	5.7	5.6	5.4	5.5	5.4	5.2	5.3	5.5	4.8	4.8	5.5
CITATION II	5.5	6.1	5.9	5.7	5.1	5.5	5.5	5.2	5.4	5.4	5.1	4.8	5.5
BAR LP 086FL	5.2	5.9	5.6	5.4	5.4	5.7	5.4	5.0	5.5	5.7	5.1	5.0	5.5
PREMIER	5.6	5.8	6.0	5.4	5.0	5.6	5.5	5.3	5.4	5.5	5.0	5.0	5.5
PR 9108	5.7	6.0	6.1	5.5	5.2	5.5	5.4	5.2	5.4	5.6	5.1	5.2	5.5

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH MONTH GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA 1991-1994 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
STALLION	5.7	5.9	6.0	5.4	5.1	5.5	5.5	5.2	5.2	5.5	5.3	5.3	5.4
CAPRI (ZW 42-176)	5.4	5.3	5.9	5.7	5.6	5.6	5.3	4.7	5.2	5.6	5.3	5.6	5.4
MOM LP 3184	5.2	5.7	5.5	5.4	5.1	5.4	5.4	5.3	5.5	5.6	4.8	4.5	5.4
C-21	5.5	5.6	5.7	5.5	5.2	5.5	5.3	5.1	5.3	5.7	5.2	5.4	5.4
BARRAGE	5.5	5.3	5.6	5.5	5.4	5.5	5.3	5.0	5.2	5.3	4.7	4.6	5.4
REGAL	5.5	5.1	5.9	5.7	5.1	5.6	5.4	5.2	5.2	5.4	4.9	4.2	5.4
CALIENTE	4.7	5.7	5.5	5.2	4.9	5.4	5.4	5.2	5.3	5.5	4.9	4.4	5.4
BAR LP 852	5.1	5.3	6.0	5.5	5.0	5.3	5.3	5.0	5.2	5.6	5.1	4.9	5.4
MULLIGAN (NK 89001)	5.4	5.9	5.2	5.1	5.0	5.5	5.4	5.1	5.3	5.6	5.0	5.0	5.4
TAYA	5.1	5.4	5.7	5.7	5.6	5.5	5.0	4.8	5.1	5.3	4.6	4.7	5.4
CLP 39	5.5	5.8	5.2	5.5	5.5	5.5	5.0	4.8	5.2	5.4	4.7	4.7	5.3
BOARDWALK (OFI-D4)	5.4	5.8	5.7	5.5	5.2	5.4	5.1	4.8	5.1	5.4	5.1	5.1	5.3
ALLEGRO	5.5	5.7	5.4	5.3	5.4	5.6	5.1	4.7	5.1	5.5	4.8	5.0	5.3
DUET	4.5	5.1	5.2	5.2	4.8	5.3	5.2	4.9	5.2	5.5	4.7	4.6	5.2
856	5.5	5.5	5.6	5.2	4.9	5.3	5.1	4.9	5.1	5.4	4.5	5.1	5.2
DANILO	5.3	5.5	5.0	4.9	5.0	5.4	5.2	4.8	5.2	5.4	4.7	4.5	5.2
LORETTA	4.9	5.1	5.0	5.3	5.3	5.4	5.1	4.9	5.1	5.2	4.5	4.4	5.2
CLP 144	5.6	5.7	5.3	5.2	5.4	5.3	5.0	4.6	5.1	5.4	4.6	4.5	5.1
MOM LP 3182	5.0	4.9	5.1	5.0	4.8	5.2	5.1	4.7	5.1	5.3	4.7	4.5	5.1
TORONTO	5.2	5.3	4.9	4.9	4.9	5.1	5.0	4.7	5.0	5.3	4.5	4.5	5.1
DANARO	4.9	4.8	4.9	4.9	4.9	5.3	5.0	4.7	5.1	5.3	4.5	4.3	5.1
MOM LP 3185	5.4	5.3	5.3	5.0	4.7	5.2	5.2	4.8	5.1	5.1	4.3	4.4	5.1
OVATION	5.3	5.3	5.0	4.9	4.8	5.1	5.0	4.7	5.0	5.2	4.5	4.6	5.0
ENTRAR	5.3	5.2	5.0	5.1	5.1	5.1	4.8	4.5	4.9	5.3	4.5	4.4	5.0
PENNFINE	5.2	4.6	5.0	4.6	4.5	5.2	5.2	4.8	4.8	5.0	4.6	4.7	5.0
MOM LP 3111	5.3	5.1	4.9	4.8	4.6	5.0	4.8	4.6	4.8	5.1	4.3	4.4	4.9
SURPRISE	5.7	5.2	5.1	5.1	4.9	4.9	4.6	4.4	4.8	5.2	4.5	4.7	4.9
TROUBADOUR	5.4	5.1	4.9	4.9	5.1	4.9	4.6	4.3	4.7	5.1	4.4	4.3	4.9
MOM LP 3179	4.5	4.7	4.7	4.7	4.5	5.0	4.9	4.5	4.7	4.9	4.3	4.0	4.8
GOALIE	4.7	4.8	5.1	5.1	4.7	4.7	4.7	4.4	4.6	4.8	4.0	3.9	4.8
METEOR	5.5	5.6	4.5	4.9	4.8	5.0	4.6	4.1	4.4	4.8	4.0	4.7	4.7
CARTEL	5.0	5.5	5.1	4.9	4.7	4.9	4.4	4.2	4.5	4.8	4.0	4.1	4.7
LINN	3.6	3.3	3.4	3.0	3.0	3.4	3.4	3.1	3.2	3.4	2.7	3.0	3.3
LSD VALUE	0.6	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.2

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 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

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

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1
AFFINITY (GEN-90)	64.0	45	10.0	47.0	25.0	4.0	1.0	34.5	40.0	53.5	81.0	16.0
PRELUDE II (2P2-90)	16.0	119	9.0	23.0	7.0	26.0	17.0	37.0	76.0	20.5	72.5	11.5
PRIZM (ZFS-28D)	7.0	98	63.0	11.0	103.0	10.5	2.0	9.5	22.5	53.5	104.0	59.0
CUTTER (PICK 89-4)	1.0	58	3.0	25.0	80.0	8.0	3.0	2.5	18.5	4.0	114.0	24.0
BRIGHTSTAR (PST-GH-89)	13.0	108	42.0	2.0	10.0	81.0	14.0	14.0	30.0	95.0	85.5	50.5
STALLION SELECT (PS-105)	39.0	33	19.0	19.0	17.0	12.0	28.0	84.0	9.5	11.0	59.0	20.5
NIGHTHAWK (WVPB-89-PR-A-3)	15.0	86	62.0	17.0	4.0	47.0	12.0	28.5	8.0	61.0	45.5	2.0
ASSURE	4.0	53	46.0	9.0	56.0	62.5	8.0	22.5	22.5	7.5	42.5	55.0
REPELL II (LDRD)	19.0	78	85.5	36.5	64.0	7.0	34.0	2.5	6.5	4.0	82.0	11.5
RIVIERA II (PICK DKM)	90.0	81	4.0	10.0	42.0	44.0	10.0	28.5	1.0	53.5	27.5	38.0
YORKTOWN III (LDRF)	10.0	80	51.0	39.0	97.0	2.0	38.0	28.5	11.5	7.5	117.0	72.5
WIND STAR (PST-28M)	37.0	104	16.0	73.0	40.0	6.0	4.0	17.5	25.0	7.5	16.5	82.0
APM	26.0	69	13.5	72.0	62.0	23.0	15.0	1.0	50.0	29.0	74.0	100.0
ADVENT	2.0	65	28.0	57.0	26.0	17.0	20.0	5.0	71.0	46.0	40.0	104.0
PST-290	76.0	38	33.0	49.0	18.0	28.5	33.0	9.5	18.5	20.5	40.0	9.0
PALMER II (P89)	26.0	107	81.0	117.0	76.0	53.0	22.5	17.5	2.0	61.0	94.5	54.0
SEVILLE	29.0	6	99.0	40.5	33.0	1.0	9.0	9.5	47.0	20.5	91.0	107.0
SR 4200	5.0	121	49.5	79.5	21.5	5.0	42.0	14.0	32.0	1.0	80.0	25.5
PASSPORT (PST-2FF)	26.0	101	87.0	53.0	68.0	.	27.0	17.5	15.0	20.5	42.5	20.5
DELAWARE DWARF (4DD)	40.0	14	5.0	27.0	2.0	16.0	5.0	5.0	5.0	20.5	72.5	93.0
PST-2ROR	11.0	56	21.0	15.0	11.0	.	43.5	46.0	21.0	2.0	1.0	33.0
PINNACLE	3.0	96	67.0	50.0	41.0	3.0	11.0	14.0	27.5	20.5	69.0	99.0
MORNING STAR (SYN-P)	8.0	18	70.5	106.0	52.5	86.0	7.0	22.5	26.0	67.5	93.0	48.0
89-666	52.0	28	73.0	6.0	27.0	9.0	25.0	46.0	9.5	7.5	111.0	45.0
GREENLAND (PICK 9100)	58.0	90	101.0	5.0	86.0	58.0	21.0	5.0	24.0	20.5	110.0	29.0
PRECISION (MOM LP 3147)	69.0	47	18.0	42.0	19.0	10.5	16.0	58.5	11.5	37.0	119.0	41.0
LYNX (PICK EEC)	73.5	68	54.0	26.0	64.0	78.0	35.0	52.0	18.5	20.5	6.0	22.0
QUICKSTART (PST-2FQR)	6.0	115	15.0	31.0	54.0	38.0	24.0	17.5	62.0	46.0	91.0	78.0
DANDY	33.0	10	25.5	75.5	37.0	20.0	37.0	70.0	13.0	37.0	36.5	38.0
LEGACY	31.0	11	60.0	119.0	23.0	60.0	32.0	22.5	4.0	20.5	106.0	69.0
GETTYSBURG	56.5	100	35.0	93.0	21.5	19.0	29.0	84.0	56.0	67.5	2.0	111.0
ACHIEVER (PICK 1800)	20.0	72	23.5	94.0	105.0	22.0	6.0	9.5	6.5	29.0	36.5	48.0
NAVAJO (EST-2DPR)	42.0	15	8.0	38.0	6.0	25.0	40.0	28.5	38.0	29.0	52.5	33.0
ENVY	44.0	48	72.0	7.0	8.0	14.5	52.0	22.5	87.0	76.0	13.0	13.0
SHINING STAR (PST-2B3)	12.0	85	34.0	109.0	1.0	39.0	49.0	28.5	35.0	95.0	79.0	52.5
PST-23C	14.0	39	90.0	.	85.0	.	13.0	64.0	48.0	29.0	62.0	52.5
LOWGROW (PICK 89LLG)	9.0	120	6.0	8.0	20.0	.	70.0	37.0	118.0	76.0	62.0	1.0
SHERWOOD	36.0	42	45.0	12.0	13.0	52.0	19.0	9.5	121.0	20.5	23.5	18.0
EQUAL	62.0	43	89.0	36.5	81.0	69.0	55.0	22.5	18.5	46.0	55.5	89.0
BUCCANEER (KOOS 90-1)	55.0	91	27.0	75.5	44.0	56.0	26.0	32.5	33.5	46.0	91.0	105.0
PST-2OG	28.0	89	2.0	4.0	78.0	41.5	43.5	109.5	96.0	95.0	62.0	14.0
TARGET	38.0	73	68.0	51.5	15.0	32.0	56.0	88.5	46.0	46.0	10.0	76.5
DIMENSION (2H7)	24.0	113	23.5	32.5	57.0	49.0	36.0	78.0	58.0	57.0	71.0	86.5
SATURN	18.0	66	96.0	67.0	5.0	34.0	65.0	9.5	37.0	53.5	29.5	94.5
EXPRESS	72.0	37	65.0	44.0	48.0	24.0	18.0	46.0	53.5	76.0	69.0	63.0



TABLE 3.  
(CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1
ESSENCE (PR 8820)	53.0	26	58.0	95.5	16.0	80.0	48.0	41.0	70.0	83.5	45.5	6.0
HE 311	68.0	84	1.0	63.0	35.0	35.5	90.0	34.5	60.5	10.0	96.0	86.5
CHARISMA (WVPB 89-92)	21.0	106	30.0	81.0	12.0	32.0	61.0	88.5	43.0	13.5	36.5	5.0
MANHATTAN II (E)	35.0	20	55.0	16.0	50.0	.	39.0	52.0	66.5	4.0	118.0	89.0
COMPETITOR	83.0	13	85.5	20.0	55.0	37.0	50.0	58.5	72.0	76.0	62.0	63.0
PATRIOT II	79.0	95	92.0	1.0	64.0	41.5	101.0	91.0	42.0	29.0	50.0	17.0
PS 89-90 (MVF 89-90)	47.0	34	52.5	28.0	31.0	56.0	60.0	78.0	91.5	61.0	25.0	27.0
PR 9121	22.5	22	102.0	83.0	75.0	96.5	58.5	28.5	102.5	91.0	77.0	7.0
PLEASURE	81.0	70	70.5	30.0	77.0	32.0	22.5	41.0	3.0	29.0	94.5	110.0
CHARGER	99.0	55	7.0	110.0	29.5	87.5	64.0	52.0	44.5	76.0	27.5	72.5
FIESTA II	73.5	31	40.0	35.0	29.5	82.0	58.5	22.5	41.0	37.0	7.5	50.5
ZPS-2EZ	89.0	105	82.0	3.0	67.0	56.0	66.0	86.5	97.0	88.5	121.0	76.5
NOMAD	34.0	3	36.0	77.0	3.0	64.0	104.0	58.5	66.5	105.0	20.0	56.5
240 (PEBBLE BEACH)	22.5	46	75.0	18.0	28.0	99.0	75.0	86.5	78.5	37.0	40.0	48.0
PRONTO (WVPB-89-87A)	49.0	61	39.0	114.0	43.0	54.0	45.0	64.0	27.5	76.0	14.5	103.0
REPELL	17.0	103	74.0	32.5	59.0	13.0	53.0	81.0	33.5	53.5	7.5	43.5
ELEGANCE (OFI-F7)	78.0	77	112.0	85.0	83.0	28.5	30.0	41.0	36.0	95.0	102.5	75.0
COWBOY II (WM-II)	48.0	118	25.5	51.5	9.0	48.0	62.0	70.0	84.0	37.0	9.0	4.0
GATOR	50.5	19	49.5	13.5	58.0	.	89.0	46.0	49.0	67.5	18.5	71.0
PR 9119	82.0	76	12.0	59.0	52.5	.	54.0	84.0	44.5	46.0	84.0	19.0
KOOS 90-2	50.5	74	37.0	56.0	99.5	67.5	31.0	37.0	75.0	76.0	45.5	84.0
STATESMAN (WVPB-88-PR-D-12)	71.0	41	78.0	61.0	39.0	.	77.0	52.0	89.0	61.0	75.0	38.0
ELITE (WVPB-88-PR-C-23)	84.0	44	32.0	21.0	79.0	78.0	71.0	70.0	77.0	37.0	102.5	46.0
EVENING SHADE (POLY-SH)	61.0	122	31.0	87.5	14.0	84.0	110.0	52.0	29.0	53.5	57.0	25.5
COMMANDER	60.0	32	91.0	46.0	106.0	75.0	97.0	46.0	14.0	37.0	98.0	29.0
RODEO II	30.0	102	20.0	116.0	82.0	21.0	92.0	41.0	64.5	76.0	77.0	33.0
TOPEKA (WVPB-88-PR-D-10)	86.0	16	100.0	29.0	99.5	.	67.0	75.0	68.5	37.0	16.5	79.0
NEWLINN (N-33)	46.0	109	22.0	84.0	32.0	35.5	57.0	70.0	51.5	86.0	99.0	91.5
UNKNOWN	87.5	116	66.0	60.0	51.0	.	95.0	64.0	51.5	29.0	18.5	68.0
CUTLESS	54.0	7	17.0	66.0	34.0	59.0	94.0	64.0	80.5	101.0	113.0	59.0
RIVIERA	41.0	50	84.0	98.0	70.5	50.5	47.0	58.5	58.0	13.5	100.5	101.0
LINDSAY	66.0	52	69.0	68.0	24.0	91.0	86.0	58.5	63.0	58.0	88.5	70.0
EEG 358	59.0	9	13.5	40.5	36.0	65.5	100.0	98.0	80.5	108.5	3.0	23.0
DERBY SUPREME	67.0	64	38.0	70.0	88.0	76.0	82.0	75.0	55.0	95.0	109.0	61.0
PENNANT	32.0	4	104.5	99.0	66.0	.	84.0	41.0	116.0	83.5	12.0	114.0
PR 9118	87.5	57	48.0	115.0	87.0	41.5	88.0	58.5	85.0	67.5	52.5	67.0
CALYPSO	75.0	12	76.0	69.0	47.0	50.5	72.0	70.0	86.0	13.5	58.0	84.0
ACCOLADE	56.5	82	120.0	13.5	45.0	94.0	86.0	32.5	68.5	61.0	67.0	63.0
BAR LP 086FL	43.0	97	52.5	22.0	72.0	65.5	102.0	91.0	108.0	67.5	69.0	42.0
CORSAIR (MVF 89-88)	96.0	54	11.0	48.0	84.0	78.0	74.0	70.0	60.5	46.0	11.0	66.0
CITATION II	93.0	27	94.0	87.5	60.0	.	41.0	52.0	93.5	101.0	52.5	15.0
BARRAGE ++	107.0	1	44.0	89.0	104.0	14.5	63.0	103.0	90.0	13.5	65.5	43.5
PR 9109	70.0	17	88.0	78.0	112.0	28.5	73.0	78.0	82.5	88.5	65.5	108.0
PREMIER	45.0	75	109.0	54.0	93.0	.	68.0	52.0	31.0	76.0	36.5	35.0
PR 9108	65.0	110	41.0	90.0	116.0	.	80.0	70.0	39.0	95.0	87.0	81.0

TABLE 3.  
(CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1
CAPRI (ZW 42-176)	80.0	88	80.0	113.0	90.0	95.0	93.0	98.0	115.0	101.0	115.0	121.0
STALLION	77.0	67	103.0	120.0	69.0	.	78.0	94.0	58.0	46.0	48.0	89.0
MOM LP 3184	102.0	23	110.0	97.0	92.0	45.5	46.0	91.0	73.5	120.5	112.0	97.5
BARRAGE	111.0	5	43.0	74.0	89.0	.	76.0	81.0	82.5	88.5	32.5	40.0
C-21	95.0	49	29.0	118.0	110.0	71.5	91.0	103.0	53.5	83.5	32.5	65.0
CALIENTE	103.0	8	117.5	43.0	96.0	61.0	86.0	64.0	88.0	37.0	62.0	96.0
REGAL	91.0	114	115.0	71.0	49.0	.	51.0	81.0	16.0	105.0	97.0	106.0
TAYA	106.0	71	61.0	58.0	107.0	85.0	98.0	75.0	78.5	101.0	26.0	31.0
CLP 39	104.0	25	56.0	34.0	38.0	.	111.0	98.0	105.0	67.5	21.0	8.0
MULLIGAN (NK 89001)	85.0	62	104.5	112.0	118.0	28.5	83.0	94.0	101.0	67.5	88.5	120.0
BAR LP 852	92.0	36	93.0	104.5	121.0	73.0	69.0	106.5	93.5	112.5	23.5	115.0
BOARDWALK (OFI-D4)	97.0	40	83.0	91.0	101.0	45.5	106.0	103.0	95.0	101.0	55.5	29.0
ALLEGRO	94.0	24	47.0	45.0	113.0	83.0	107.0	113.5	98.0	112.5	22.0	36.0
DANILO	105.0	35	97.5	24.0	61.0	87.5	99.0	108.0	99.0	46.0	45.5	59.0
856	63.0	87	117.5	111.0	46.0	71.5	96.0	100.5	73.5	105.0	77.0	116.0
DUET	100.0	111	59.0	101.0	122.0	67.5	79.0	94.0	102.5	117.5	85.5	91.5
LORETTA	112.5	2	64.0	64.5	94.5	.	115.0	96.0	106.0	67.5	4.5	84.0
CLP 144	109.0	93	57.0	102.0	73.0	98.0	105.0	122.0	104.0	115.0	107.5	3.0
TORONTO	108.0	29	107.0	82.0	94.5	70.0	118.0	100.5	100.0	95.0	83.0	56.5
MOM LP 3182	112.5	59	116.0	86.0	109.0	18.0	103.0	111.5	91.5	81.0	100.5	117.5
DANARO	110.0	21	77.0	92.0	91.0	96.5	113.0	111.5	110.5	112.5	107.5	80.0
OVATION	116.0	79	95.0	64.5	70.5	62.5	112.0	115.0	113.0	83.5	34.0	74.0
MOM LP 3185	101.0	51	119.0	107.0	119.0	.	81.0	105.0	64.5	112.5	116.0	97.5
ENTRAR	115.0	63	79.0	55.0	111.0	41.5	114.0	113.5	110.5	108.5	29.5	94.5
PENNFINE	98.0	60	111.0	104.5	108.0	.	120.0	109.5	107.0	88.5	4.5	117.5
TROUBADOUR	114.0	83	97.5	62.0	74.0	89.5	122.0	116.5	120.0	108.5	52.5	10.0
MOM LP 3111	119.0	99	114.0	79.5	115.0	74.0	119.0	119.0	109.0	117.5	14.5	109.0
SURPRISE	118.0	30	113.0	103.0	102.0	92.0	121.0	120.0	113.0	117.5	105.0	102.0
MOM LP 3179	120.0	92	122.0	100.0	120.0	.	108.0	116.5	117.0	117.5	31.0	112.5
GOALIE	117.0	94	106.0	95.5	98.0	.	117.0	106.5	119.0	108.5	49.0	119.0
METEOR	121.0	117	108.0	108.0	114.0	93.0	109.0	118.0	122.0	122.0	120.0	122.0
CARTEL	122.0	112	121.0	121.0	117.0	89.5	116.0	121.0	113.0	120.5	122.0	112.5
LINN	123.0	123	123.0	122.0	123.0	.	123.0	123.0	123.0	123.0	123.0	123.0

- 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.  
(CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

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

NAME	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
AFFINITY (GEN-90)	20	10.0	19.0	1.0	29.5	2	5.0	25.0	13	6.0	45.0	8.0	1
PRELUDE II (2P2-90)	17	2.0	4.0	9.0	65.0	13	7.0	11.0	3	25.0	7.0	21.0	2
PRIZM (ZPS-28D)	2	6.0	16.5	28.0	108.0	8	1.0	7.0	9	3.0	75.0	55.5	3
CUTTER (PICK 89-4)	6	27.0	1.0	121.0	61.5	10	22.0	72.5	5	1.0	15.0	81.0	4
BRIGHTSTAR (PST-GH-89)	3	3.0	6.5	45.5	21.5	6	44.0	113.0	1	22.0	13.0	4.0	5
STALLION SELECT (PS-105)	1	12.0	2.0	9.0	61.5	37	46.0	10.0	18	50.0	8.0	37.5	6
NIGHTHAWK (WVPB-89-PR-A-3)	7	16.0	3.0	22.5	74.0	22	37.0	18.5	22	81.0	10.0	35.5	7
ASSURE	31	30.0	5.0	2.0	74.0	54	2.0	9.0	7	26.5	3.0	31.5	8
REPELL II (IDRD)	9	4.0	8.0	70.5	74.0	16	10.0	50.0	6	10.5	59.0	73.5	9
RIVIERA II (PICK DKM)	18	23.0	10.5	70.5	74.0	35	16.0	57.5	14	16.0	14.0	33.0	10
YORKTOWN III (LDRF)	19	26.0	10.5	28.0	50.5	3	12.0	3.0	12	24.0	2.0	29.0	11
WIND STAR (EST-28M)	28	15.0	14.0	6.0	108.0	31	8.0	15.5	4	19.0	71.0	39.0	12
APM	24	22.0	35.0	4.5	41.5	7	3.0	1.0	8	4.0	34.0	35.5	13
ADVENT	11	11.0	22.0	12.5	108.0	44	20.0	6.0	16	2.0	9.0	23.0	14
PST-290	25	13.0	18.0	114.0	12.5	21	14.0	37.0	30	37.0	5.0	64.0	15
PALMER II (P89)	12	1.0	10.5	22.5	103.0	19	21.0	27.0	2	5.0	6.0	26.0	16
SEVILLE	30	20.0	39.0	37.5	29.5	39	18.0	22.0	19	17.0	25.0	10.0	17
SR 4200	4	32.0	15.0	83.0	21.5	14	43.0	32.5	10	47.0	35.0	5.0	18
PASSPORT (PST-2FF)	13	14.0	13.0	9.0	98.0	24	4.0	94.0	15	9.0	33.0	52.0	19
DELAWARE DWARF (4DD)	34	29.0	77.0	83.0	56.0	40	59.0	30.0	34	45.0	31.0	60.5	20
PST-2ROR	41	18.0	33.5	70.5	6.5	30	15.0	46.5	47	64.0	37.0	40.0	21
PINNACLE	8	28.0	36.5	45.5	41.5	71	31.0	5.0	21	30.0	49.0	16.5	22
MORNING STAR (SYN-P)	14	7.0	10.5	89.5	1.5	58	29.0	18.5	24	18.0	68.0	19.5	23
89-666	23	38.0	46.0	55.5	98.0	106	74.0	4.0	20	7.5	46.0	12.0	24
GREENLAND (PICK 9100)	35	5.0	28.5	116.5	50.5	53	13.0	66.0	17	63.0	11.5	80.0	25
PRECISION (MDM LP 3147)	22	25.0	23.0	70.5	88.5	32	27.0	40.0	55	39.0	32.0	58.5	26
LYNX (PICK EEC)	16	21.0	28.5	119.0	98.0	82	6.0	29.0	25	31.5	1.0	19.5	27
QUICKSTART (PST-2FQR)	10	8.0	24.0	63.0	6.5	70	24.0	12.5	26	101.0	58.0	42.0	28
DANDY	39	34.0	31.0	33.5	41.5	45	39.0	12.5	45	35.0	24.0	15.0	29
LEGACY	21	17.0	16.5	70.5	74.0	50	19.0	57.5	23	46.0	22.0	45.5	30
GETTYSBURG	5	9.0	6.5	95.0	82.0	69	26.0	2.0	11	13.0	56.0	71.0	31
ACHIEVER (PICK 1800)	15	35.0	20.5	17.0	114.0	78	30.0	40.0	32	15.0	73.0	67.5	32
NAVAJO (PST-2DPR)	46	36.0	46.0	111.0	41.5	4	50.0	32.5	44	65.5	44.0	44.0	33
ENVY	38	48.0	41.5	28.0	21.5	34	38.0	31.0	49	55.0	40.0	79.0	34
SHINING STAR (PST-2B3)	37	33.0	32.0	33.5	16.5	59	17.0	23.0	37	29.0	67.0	41.0	35
PST-23C	26	24.0	33.5	45.5	114.0	20	28.0	35.5	29	82.0	38.0	18.0	36
LOWGROW (PICK 89LLG)	69	51.0	20.5	45.5	41.5	5	42.0	96.0	43	12.0	11.5	24.5	37
SHERWOOD	49	53.0	36.5	55.5	108.0	26	48.0	72.5	48	28.0	16.0	62.0	38
EQUAL	40	39.0	43.0	77.0	65.0	27	54.0	18.5	31	48.5	19.0	83.0	39
BUCCANEER (KOOS 90-1)	32	19.0	51.5	33.5	88.5	115	51.0	43.0	27	14.0	23.0	101.0	40
PST-2OG	72	45.0	75.5	12.5	74.0	12	33.0	52.5	38	21.0	69.0	11.0	41
TARGET	43	31.0	50.0	70.5	16.5	86	36.0	50.0	39	40.0	55.0	71.0	42
DIMENSION (2H7)	27	37.0	46.0	55.5	9.0	55	25.0	68.0	57	86.0	80.0	34.0	43
SATURN	60	56.0	39.0	17.0	4.5	75	63.0	76.0	56	93.5	57.0	37.5	44
EXPRESS	36	42.0	41.5	55.5	122.0	116	40.0	27.0	40	61.0	63.0	78.0	45

TABLE 3.  
(CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

NAME	QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING												MEAN
	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	
ESSENCE (PR 8820)	56	71.0	88.0	95.0	74.0	1	9.0	76.0	54	38.0	20.0	98.0	46
HE 311	81	43.0	26.0	63.0	1.5	25	58.0	34.0	66	33.0	70.0	117.0	47
CHARISMA (WVPB 89-92)	58	55.0	64.5	89.5	12.5	23	49.0	76.0	61	44.0	95.0	84.0	48
MANHATTAN II (E)	48	79.0	39.0	17.0	21.5	95	65.0	78.0	62	41.0	27.0	47.5	49
COMPETITOR	65	70.0	44.0	89.5	103.0	11	47.0	50.0	35	79.0	39.0	86.0	50
PATRIOT II	50	54.0	62.5	45.5	8.0	51	32.0	63.5	68	116.0	42.0	16.5	51
PS 89-90 (MVF 89-90)	52	58.5	30.0	89.5	98.0	88	79.0	40.0	52	85.0	17.0	6.0	52
PR 9121	70	50.0	54.5	99.5	56.0	9	23.0	24.0	33	23.0	30.0	97.0	53
PLEASURE	54	62.0	68.0	45.5	41.5	103	76.0	14.0	69	31.5	26.0	103.0	54
CHARGER	47	44.0	60.5	9.0	29.5	48	11.0	35.5	77	73.0	21.0	30.0	55
FIESTA II	68	63.0	48.0	103.5	88.5	80	64.0	48.0	74	61.0	36.0	7.0	56
ZPS-2EZ	29	41.0	26.0	83.0	119.0	94	35.0	40.0	51	69.0	4.0	63.0	57
NOMAD	67	49.0	51.5	3.0	61.5	36	66.0	57.5	92	84.0	72.0	57.0	58
240 (PEBBLE BEACH)	76	60.0	49.0	17.0	50.5	28	62.0	21.0	60	68.0	54.0	58.5	59
PRONTO (WVPB-89-87A)	51	40.0	64.5	83.0	103.0	90	52.0	18.5	53	61.0	47.0	65.0	60
REPELL	86	80.0	70.5	63.0	74.0	42	82.5	66.0	58	20.0	60.0	50.5	61
ELEGANCE (OFI-F7)	33	46.0	56.5	55.5	120.5	91	55.0	72.5	28	75.0	77.0	47.5	62
COWBOY II (WM-II)	77	74.0	54.5	70.5	41.5	18	68.0	60.5	93	67.0	41.0	101.0	63
GATOR	78	65.0	66.5	28.0	88.5	83	61.0	62.0	71	10.5	85.0	24.5	64
PR 9119	44	47.0	53.0	120.0	117.5	56	41.0	55.0	36	59.0	48.0	115.5	65
KOOS 90-2	45	58.5	56.5	107.0	114.0	79	34.0	15.5	41	96.5	82.0	53.5	66
STATESMAN (WVPB-88-PR-D-12)	42	61.0	66.5	45.5	61.5	67	57.0	27.0	70	93.5	50.0	27.5	67
ELITE (WVPB-88-PR-C-23)	66	72.0	89.5	89.5	56.0	15	53.0	86.5	80	77.5	64.5	14.0	68
EVENING SHADE (POLY-SH)	63	52.0	26.0	63.0	88.5	43	45.0	104.5	50	113.0	52.0	96.0	69
COMMANDER	62	77.0	78.0	17.0	29.5	97	67.0	88.0	73	74.0	18.0	82.0	70
RODEO II	53	69.0	60.5	4.5	65.0	105	86.5	63.5	46	117.0	86.5	3.0	71
TOPEKA (WVPB-88-PR-D-10)	73	89.0	69.0	45.5	41.5	77	75.0	79.0	82	58.0	28.0	22.0	72
NEWLINN (N-33)	59	76.0	62.5	55.5	41.5	84	70.0	69.5	64	100.0	104.0	91.0	73
UNKNOWN	83	67.0	75.5	33.5	29.5	52	86.5	90.0	95	42.5	51.0	2.0	74
CUTLESS	79	83.0	86.0	99.5	108.0	63	60.0	54.0	63	72.0	81.0	31.5	75
RIVIERA	55	73.0	84.5	63.0	88.5	104	80.0	69.5	67	53.0	53.0	107.0	76
LINDSAY	87	68.0	81.0	77.0	12.5	65	73.0	94.0	91	80.0	74.0	27.5	77
EEG 358	100	90.5	89.5	17.0	29.5	17	97.5	98.0	59	87.0	115.0	69.0	78
DERBY SUPREME	91	85.0	70.5	9.0	21.5	74	81.0	83.0	78	76.0	29.0	60.5	79
PENNANT	64	78.0	58.5	37.5	74.0	64	82.5	44.5	87	52.0	43.0	75.5	80
PR 9118	61	64.0	91.5	115.0	3.0	76	77.0	72.5	42	95.0	79.0	77.0	81
CALYPSO	89	84.0	94.0	45.5	88.5	87	90.0	52.5	96	70.0	64.5	45.5	82
ACCOLADE	57	95.0	82.0	111.0	74.0	61	72.0	66.0	86	71.0	88.0	67.5	83
BAR LP 086FL	92	57.0	102.5	77.0	56.0	49	69.0	46.5	107	96.5	84.0	9.0	84
CORSAIR (MVF 89-88)	85	88.0	72.0	107.0	98.0	101	78.0	92.0	90	48.5	99.0	90.0	85
CITATION II	93	82.0	94.0	22.5	34.0	113	88.0	100.0	81	98.0	83.0	43.0	86
BARRAGE ++	108	99.0	99.0	28.0	88.5	81	103.0	111.0	72	7.5	116.0	86.0	87
PR 9109	88	86.0	94.0	103.5	41.5	41	91.0	104.5	65	57.0	107.0	111.0	88
PREMIER	84	98.0	58.5	37.5	108.0	112	102.0	80.5	104	26.5	103.0	101.0	89
PR 9108	82	96.0	83.0	103.5	117.5	62	71.0	108.0	83	83.0	92.0	55.5	90

TABLE 3.  
(CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-FOUR LOCATIONS IN THE U.S. AND CANADA  
1991-1994 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
CAPRI (ZW 42-176)	71	66.0	73.0	17.0	12.5	72	56.0	8.0	97	77.5	62.0	75.5	91
STALLION	74	92.0	84.5	99.5	74.0	68	84.0	57.5	79	107.0	94.0	71.0	92
MOM LP 3184	95	87.0	79.0	55.5	74.0	93	99.0	80.5	100	51.0	89.0	73.5	93
BARRAGE	109	102.0	106.5	28.0	41.5	85	101.0	104.5	84	65.5	98.0	94.5	94
C-21	90	81.0	96.0	107.0	41.5	47	89.0	101.0	94	89.0	101.0	88.5	95
CALIENTE	96	100.0	80.0	28.0	120.5	121	113.0	44.5	98	36.0	93.0	50.5	96
REGAL	94	75.0	74.0	111.0	108.0	119	111.0	60.5	89	34.0	86.5	94.5	97
TAYA	102	97.0	102.5	83.0	29.5	60	94.0	104.5	88	91.0	102.0	92.5	98
CLP 39	112	113.0	100.5	45.5	12.5	29	92.0	83.0	99	92.0	91.0	53.5	99
MULLIGAN (NK 89001)	75	94.0	98.0	83.0	88.5	114	95.0	94.0	75	42.5	66.0	88.5	100
BAR LP 852	80	101.0	100.5	111.0	88.5	66	97.5	40.0	85	90.0	61.0	109.0	101
BOARDWALK (OFT-D4)	98	93.0	106.5	95.0	41.5	98	96.0	114.5	76	114.0	97.0	86.0	102
ALLEGRO	104	103.0	104.5	95.0	21.5	33	85.0	110.0	106	112.0	96.0	66.0	103
DANILO	114	104.0	104.5	55.5	41.5	118	100.0	90.0	112	102.0	76.0	49.0	104
856	99	109.5	97.0	63.0	56.0	109	107.5	86.5	108	99.0	78.0	106.0	105
DUET	97	90.5	87.0	89.5	98.0	92	104.0	117.0	102	106.0	90.0	119.0	106
LORETTA	111	119.0	116.5	116.5	4.5	57	112.0	116.0	105	56.0	117.0	92.5	107
CLP 144	106	107.0	113.0	99.5	12.5	38	93.0	114.5	103	108.0	106.0	104.0	108
TORONTO	115	111.0	108.0	77.0	56.0	89	114.0	97.0	119	54.0	120.0	105.0	109
MOM LP 3182	101	116.5	110.0	37.5	21.5	108	119.0	90.0	101	88.0	119.0	122.0	110
DANARO	107	118.0	91.5	45.5	88.5	73	107.5	120.0	116	104.5	111.0	113.0	111
OVATION	113	121.0	114.0	111.0	29.5	107	110.0	99.0	111	104.5	112.5	99.0	112
MOM LP 3185	110	109.5	116.5	70.5	21.5	110	117.0	83.0	110	111.0	110.0	114.0	113
ENTRAR	105	106.0	110.0	118.0	74.0	100	109.0	109.0	109	122.0	118.0	108.0	114
PENNFINE	103	116.5	112.0	83.0	74.0	120	120.0	107.0	113	103.0	100.0	1.0	115
TROUBADOUR	120	108.0	120.0	22.5	98.0	102	115.0	121.0	115	121.0	122.0	110.0	116
MOM LP 3111	118	114.0	115.0	63.0	114.0	99	106.0	102.0	120	109.0	105.0	118.0	117
SURPRISE	119	105.0	118.0	77.0	50.5	96	105.0	119.0	114	118.0	109.0	115.5	118
MOM LP 3179	116	120.0	110.0	45.5	114.0	117	122.0	85.0	118	110.0	108.0	120.0	119
GOALIE	117	122.0	119.0	95.0	88.5	122	118.0	122.0	117	115.0	114.0	121.0	120
METEOR	121	115.0	121.0	103.5	74.0	46	116.0	118.0	121	120.0	121.0	112.0	121
CARTEL	122	112.0	122.0	122.0	56.0	111	121.0	112.0	122	119.0	112.5	13.0	122
LINN	123	123.0	123.0	123.0	123.0	123	123.0	123.0	123	123.0	123.0	123.0	123

- 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. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH YEAR IN THE U.S. AND CANADA 1991-1994 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/				
	1991	1992	1993	1994	1991-94
AFFINITY (GEN-90)	6.48	6.32	5.92	6.19	6.24
PRELUDE II (2P2-90)	6.38	6.22	6.08	6.13	6.24
PRIZM (ZPS-28D)	6.41	6.23	6.07	6.24	6.22
CUTTER (PICK 89-4)	6.39	6.25	6.16	6.11	6.22
BRIGHTSTAR (PST-GH-89)	6.45	6.19	5.98	6.17	6.22
STALLION SELECT (PS-105)	6.32	6.25	6.00	6.19	6.21
NIGHTHAWK (WVPB-89-PR-A-3)	6.32	6.27	5.98	6.03	6.19
ASSURE	6.35	6.29	5.95	6.01	6.19
REPELL II (LDRD)	6.24	6.18	6.14	6.10	6.19
RIVIERA II (PICK DKM)	6.35	6.15	6.06	6.07	6.16
YORKTOWN III (LDRF)	6.36	6.16	5.96	6.14	6.16
WIND STAR (PST-28M)	6.26	6.21	5.99	6.10	6.14
APM	6.37	6.11	6.01	6.08	6.14
ADVENT	6.30	6.17	6.07	6.00	6.14
PST-290	6.24	6.21	5.91	6.06	6.12
PALMER II (P89)	6.21	6.25	6.07	6.01	6.12
SEVILLE	6.16	6.10	6.10	6.11	6.12
SR 4200	6.23	6.15	6.01	5.82	6.11
PASSPORT (PST-2FF)	6.18	6.19	5.98	5.96	6.10
DELAWARE DWARF (4DD)	6.27	6.07	5.98	6.04	6.09
PST-2RCR	5.93	6.24	6.05	5.82	6.09
PINNACLE	6.31	6.07	5.87	5.97	6.08
MORNING STAR (SYN-P)	6.18	6.04	5.99	6.07	6.07
89-666	6.25	6.06	5.83	5.83	6.05
GREENLAND (PICK 9100)	6.20	6.03	5.86	5.91	6.04
PRECISION (MOM LP 3147)	6.09	6.08	6.06	5.83	6.04
LYNX (PICK EEC)	6.09	6.06	5.93	6.07	6.04
QUICKSTART (PST-2FQR)	6.26	5.98	5.80	5.86	6.03
DANDY	6.13	6.05	5.93	5.90	6.03
LEGACY	6.19	6.14	5.87	5.82	6.01
GETTYSEURG	6.02	6.08	5.94	6.05	6.01
ACHIEVER (PICK 1800)	6.15	5.99	5.95	5.96	6.01
NAVAJO (PST-2DPR)	6.10	5.98	5.90	5.97	6.01
ENVY	6.03	6.08	5.76	5.74	5.99
SHINING STAR (PST-2B3)	6.09	6.04	5.80	5.78	5.96
PST-23C	5.96	5.99	5.98	5.86	5.96
LOWGROW (PICK 89LLG)	6.11	5.97	5.65	5.63	5.94
SHERWOOD	6.01	5.97	5.70	5.81	5.93
EQUAL	6.03	5.95	5.78	5.76	5.91
BUCCANEER (KOOS 90-1)	6.01	5.92	5.82	5.78	5.90
PST-2OG	5.91	5.88	5.72	5.78	5.88
TARGET	5.87	5.87	5.72	5.91	5.88
DIMENSION (2H7)	6.03	5.88	5.65	5.67	5.87
SATURN	5.95	5.84	5.64	5.65	5.85
EXPRESS	5.89	5.88	5.69	5.86	5.84

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH YEAR IN THE U.S. AND CANADA 1991-1994 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF				
	1991	1992	1993	1994	1991-94
ESSENCE (PR 8820)	5.96	5.92	5.69	5.74	5.84
HE 311	5.89	5.82	5.66	5.66	5.82
CHARISMA (WVPB 89-92)	5.85	5.88	5.67	5.60	5.82
MANHATTAN II (E)	5.86	5.82	5.65	5.72	5.82
COMPETITOR	5.91	5.86	5.66	5.68	5.81
PATRIOT II	5.91	5.92	5.51	5.31	5.81
PS 89-90 (MVF 89-90)	5.84	5.93	5.61	5.55	5.81
PR 9121	6.00	5.81	5.52	5.76	5.81
PLEASURE	5.94	5.89	5.55	5.66	5.80
CHARGER	5.92	5.85	5.61	5.71	5.80
FIESTA II	5.82	5.79	5.73	5.65	5.80
ZPS-2EZ	5.72	6.03	5.62	5.52	5.80
NOMAD	5.96	5.82	5.54	5.49	5.78
240 (PEBBLE BEACH)	5.88	5.82	5.52	5.60	5.78
PRONTO (WVPB-89-87A)	5.96	5.77	5.61	5.79	5.78
REPELL	5.87	5.76	5.54	5.72	5.77
ELEGANCE (OFI-F7)	5.95	5.83	5.51	5.72	5.77
COWBOY II (WM-II)	5.87	5.77	5.56	5.45	5.76
GATOR	5.67	5.86	5.67	5.54	5.76
PR 9119	5.85	5.78	5.62	5.74	5.76
KOOS 90-2	5.89	5.82	5.57	5.64	5.76
STATESMAN (WVPB-88-PR-D-12)	5.76	5.71	5.65	5.61	5.74
ELITE (WVPB-88-PR-C-23)	5.81	5.76	5.46	5.52	5.70
EVENING SHADE (POLY-SH)	5.87	5.74	5.47	5.38	5.70
COMMANDER	5.79	5.74	5.50	5.38	5.69
RODEO II	5.81	5.68	5.52	5.30	5.67
TOPEKA (WVPB-88-PR-D-10)	5.69	5.67	5.48	5.56	5.66
NEWLINN (N-33)	5.86	5.65	5.43	5.44	5.66
UNKNOWN	5.65	5.61	5.46	5.52	5.66
CUTLESS	5.78	5.66	5.49	5.55	5.66
RIVIERA	5.69	5.68	5.53	5.56	5.65
LINDSAY	5.69	5.63	5.45	5.42	5.63
EEG 358	5.77	5.66	5.30	5.41	5.62
DERBY SUPREME	5.71	5.66	5.44	5.34	5.62
PENNANT	5.67	5.70	5.45	5.43	5.62
PR 9118	5.71	5.66	5.38	5.52	5.61
CALYPSO	5.61	5.65	5.47	5.42	5.61
ACCOLADE	5.79	5.63	5.27	5.41	5.61
BAR LP 086FL	5.54	5.64	5.38	5.26	5.57
CORSAIR (MVF 89-88)	5.64	5.52	5.42	5.52	5.57
CITATION II	5.55	5.56	5.40	5.40	5.56
BARRAGE ++	5.61	5.47	5.33	5.63	5.54
PR 9109	5.72	5.45	5.38	5.49	5.54
PREMIER	5.58	5.57	5.34	5.34	5.54
PR 9108	5.49	5.56	5.35	5.41	5.49

TABLE 4. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) FOR EACH YEAR IN THE U.S. AND CANADA  
1991-1994 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF					
NAME	1991	1992	1993	1994	1991-94
CAPRI (ZW 42-176)	5.65	5.44	5.17	5.49	5.48
STALLION	5.37	5.51	5.35	5.58	5.47
MOM LP 3184	5.59	5.49	5.21	5.37	5.46
BARRAGE	5.37	5.49	5.31	5.39	5.46
C-21	5.46	5.49	5.28	5.46	5.45
CALIENTE	5.47	5.49	5.25	5.20	5.45
REGAL	5.51	5.53	5.22	5.21	5.44
TAYA	5.48	5.44	5.22	5.23	5.43
CLP 39	5.35	5.49	5.21	5.18	5.43
MULLIGAN (NK 89001)	5.37	5.40	5.36	5.31	5.40
BAR LP 852	5.54	5.37	5.08	5.54	5.39
BOARDWALK (OFI-D4)	5.47	5.40	5.10	5.13	5.37
ALLEGRO	5.40	5.42	5.09	5.19	5.37
DANILO	5.22	5.34	5.19	5.08	5.34
856	5.40	5.31	5.02	5.13	5.29
DUET	5.23	5.33	5.18	5.18	5.29
LORETTA	5.25	5.30	5.03	5.23	5.28
CLP 144	5.20	5.27	4.98	5.12	5.23
TORONTO	5.19	5.12	4.97	5.01	5.19
MOM LP 3182	5.18	5.21	4.94	5.07	5.19
DANARO	5.11	5.23	4.93	4.99	5.16
OVATION	5.20	5.16	4.85	4.88	5.15
MOM LP 3185	5.07	5.22	4.89	5.02	5.14
ENTRAR	5.19	5.18	4.80	4.90	5.13
PENNFINE	4.87	5.00	5.06	4.98	5.11
TROUBADOUR	5.01	4.99	4.75	4.62	5.02
MOM LP 3111	4.98	5.02	4.75	4.81	5.00
SURPRISE	4.96	5.06	4.77	4.69	5.00
MOM LP 3179	4.83	5.00	4.59	4.76	4.91
GOALIE	4.80	4.90	4.57	4.78	4.87
METEOR	4.70	4.89	4.64	4.65	4.83
CARTEL	4.75	4.82	4.59	4.46	4.78
LINN	3.41	3.48	3.20	3.06	3.46
LSD VALUE	0.22	0.21	0.22	0.27	0.14

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. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
FOR EACH YEAR IN THE U.S. AND CANADA  
1991-1994 DATA

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

NAME	1991	1992	1993	1994	1991-94
AFFINITY (GEN-90)	1	1	27	3	1
PRELUDE II (2P2-90)	5	9	4	6	2
PRIZM (ZPS-28D)	3	8	5	1	3
CUTTER (PICK 89-4)	4	6	1	7	4
BRIGHTSTAR (PST-GH-89)	2	12	16	4	5
STALLION SELECT (PS-105)	11	4	13	2	6
NIGHTHAWK (WVPB-89-PR-A-3)	10	3	20	18	7
ASSURE	8	2	22	19	8
REPELL II (LDRD)	18	14	2	9	9
RIVIERA II (PICK DKM)	9	17	8	14	10
YORKTOWN III (LDRF)	7	16	21	5	11
WIND STAR (PST-28M)	15	10	14	10	12
APM	6	20	12	11	13
ADVENT	13	15	7	21	14
PST-290	19	11	28	15	15
PALMER II (P89)	21	5	6	20	16
SEVILLE	26	21	3	8	17
SR 4200	20	18	11	34	18
PASSPORT (PST-2FF)	25	13	17	25	19
DELAWARE DWARF (4DD)	14	26	18	17	20
PST-2FOR	48	7	10	35	21
PINNACLE	12	25	30	23	22
MORNING STAR (SYN-P)	24	31	15	12	23
89-666	17	27	33	32	24
GREENLAND (PICK 9100)	22	33	32	27	25
PRECISION (MOM LP 3147)	32	22	9	33	26
LYNX (PICK EEC)	31	28	25	13	27
QUICKSTART (PST-2FQR)	16	36	35	29	28
DANDY	28	29	26	28	29
LEGACY	23	19	31	36	30
GETTYSBURG	37	24	24	16	31
ACHIEVER (PICK 1800)	27	35	23	24	32
NAVAJO (PST-2DPR)	30	37	29	22	33
ENVY	34	23	38	44	34
SHINING STAR (PST-2B3)	33	30	36	39	35
PST-23C	41	34	19	30	36
LOWGROW (PICK 89LLG)	29	39	52	59	37
SHERWOOD	38	38	42	37	38
EQUAL	36	40	37	43	39
BUCCANEER (KOOS 90-1)	39	44	34	40	40
PST-2OG	50	46	41	41	41
TARGET	59	50	40	26	42
DIMENSION (2H7)	35	48	50	52	43
SATURN	45	54	53	56	44
EXPRESS	55	47	43	31	45

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
FOR EACH YEAR IN THE U.S. AND CANADA  
1991-1994 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	1991	1992	1993	1994	1991-94
ESSENCE (PR 8820)	42	42	44	46	46
HE 311	54	58	48	54	47
CHARISMA (WVPB 89-92)	63	49	46	61	48
MANHATTAN II (E)	62	59	51	49	49
COMPETITOR	51	51	47	51	50
PATRIOT II	52	43	68	95	51
PS 89-90 (MVF 89-90)	65	41	56	66	52
PR 9121	40	61	66	42	53
PLEASURE	47	45	61	53	54
CHARGER	49	53	57	50	55
FIESTA II	66	62	39	55	56
ZPS-2EZ	74	32	55	70	57
NOMAD	44	57	62	76	58
240 (PEBBLE BEACH)	56	56	67	62	59
PRONTO (WVPB-89-87A)	43	65	58	38	60
REPELL	57	67	63	48	61
ELEGANCE (OFI-F7)	46	55	69	47	62
COWBOY II (WM-II)	60	64	60	79	63
GATOR	82	52	45	68	64
PR 9119	64	63	54	45	65
KOOS 90-2	53	60	59	57	66
STATESMAN (WVPB-88-PR-D-12)	73	70	49	60	67
ELITE (WVPB-88-PR-C-23)	68	66	75	74	68
EVENING SHADE (POLY-SH)	58	68	73	89	69
COMMANDER	69	69	70	90	70
RODEO II	67	72	65	96	71
TOPEKA (WVPB-88-PR-D-10)	80	74	72	64	72
NEWLINN (N-33)	61	80	80	80	73
UNKNOWN	84	84	76	71	74
CUTLESS	71	77	71	67	75
RIVIERA	78	73	64	65	76
LINDSAY	79	82	77	83	77
EEG 358	72	76	92	85	78
DERBY SUPREME	76	75	79	93	79
PENNANT	81	71	78	81	80
PR 9118	77	78	84	72	81
CALYPSO	86	79	74	82	82
ACCOIADE	70	83	94	86	83
BAR LP 086FL	91	81	83	97	84
CORSAIR (MVF 89-88)	85	89	81	73	85
CITATION II	90	86	82	87	86
BARRAGE ++	87	96	90	58	87
PR 9109	75	97	85	75	88
PREMIER	89	85	89	92	89
PR 9108	94	87	87	84	90



TABLE 5. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) FOR EACH YEAR IN THE U.S. AND CANADA  
1991-1994 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	1991	1992	1993	1994	1991-94
CAPRI (ZW 42-176)	83	98	102	77	91
STALLION	102	90	88	63	92
MOM LP 3184	88	94	99	91	93
BARRAGE	103	91	91	88	94
C-21	98	95	93	78	95
CALIENTE	97	92	95	101	96
REGAL	93	88	96	100	97
TAYA	95	99	97	99	98
CLP 39	104	93	98	104	99
MULLIGAN (NK 89001)	101	102	86	94	100
BAR LP 852	92	103	105	69	101
BOARDWALK (OFI-D4)	96	101	103	105	102
ALLEGRO	100	100	104	102	103
DANILO	107	104	100	108	104
856	99	106	108	106	105
DUET	106	105	101	103	106
LORETTA	105	107	107	98	107
CLP 144	108	108	109	107	108
TORONTO	111	114	110	111	109
MOM LP 3182	112	111	111	109	110
DANARO	113	109	112	112	111
OVATION	109	113	114	115	112
MOM LP 3185	114	110	113	110	113
ENTRAR	110	112	115	114	114
PENNFINE	118	117	106	113	115
TROUBADOUR	115	119	117	121	116
MOM LP 3111	116	116	118	116	117
SURPRISE	117	115	116	119	118
MOM LP 3179	119	118	120	118	119
GOALIE	120	120	122	117	120
METEOR	122	121	119	120	121
CARTEL	121	122	121	122	122
LINN	123	123	123	123	123

- 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 4.
- 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 6.

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

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

NAME	CO1	ID2	ID3	KS2	KY1	MD1	NE1	NJ1	NJ3	OH1	OR9	WA3	MEAN
BRIGHTSTAR (PST-GH-89)	8.3	8.4	8.0	8.7	6.0	7.7	6.2	9.0	6.7	8.0	7.5	8.1	7.7
PAIMER II (P89)	8.0	7.3	8.1	9.0	7.0	7.3	6.5	9.0	6.8	8.0	7.7	7.6	7.7
EVENING SHADE (POLY-SH)	8.0	7.7	7.7	9.0	7.3	7.0	6.2	8.7	6.5	7.7	7.5	6.9	7.5
CUTTER (PICK 89-4)	7.3	7.7	7.4	8.7	6.7	7.0	6.3	9.0	6.8	7.7	7.2	7.7	7.5
RIVIERA II (PICK DKM)	7.7	8.0	7.8	8.0	6.7	7.3	6.3	8.3	6.3	8.0	7.0	8.0	7.5
GETTYSBURG	8.0	7.3	7.6	8.7	6.0	7.7	6.3	8.0	6.7	8.0	7.0	7.6	7.4
REPELL II (LDRD)	7.7	7.7	7.7	8.3	6.3	7.3	6.3	8.0	6.3	8.0	7.2	7.1	7.3
LYNX (PICK EEC)	7.3	7.5	7.7	8.7	6.7	6.7	6.5	8.3	6.0	7.7	7.2	7.4	7.3
NIGHTHAWK (WVPB-89-PR-A-3)	7.7	7.7	7.4	8.0	7.0	6.7	6.7	7.7	6.5	7.3	7.2	7.8	7.3
GREENLAND (PICK 9100)	7.7	8.3	7.2	9.0	5.7	6.7	6.3	8.0	6.2	7.7	7.0	7.8	7.3
QUICKSTART (PST-2FQR)	7.7	7.7	7.2	9.0	5.3	7.3	6.3	7.7	6.2	8.0	7.0	7.6	7.2
PASSPORT (PST-2FF)	7.3	7.3	7.6	9.0	6.0	6.3	6.3	8.3	6.3	7.3	7.0	7.8	7.2
ACHIEVER (PICK 1800)	8.0	7.0	7.6	8.7	6.7	6.7	6.0	7.7	5.7	8.0	6.5	7.6	7.2
STALLION SELECT (PS-105)	7.0	7.8	7.2	6.7	6.0	7.3	6.8	8.0	6.7	7.7	6.8	7.8	7.2
ASSURE	7.7	7.7	7.1	8.3	5.0	7.3	6.3	8.0	5.8	7.7	7.0	7.4	7.1
PRIZM (ZPS-28D)	7.3	8.0	7.3	8.3	6.3	6.3	5.7	8.0	6.0	7.3	7.2	7.4	7.1
PST-2ROR	7.3	7.3	7.3	8.7	6.0	7.0	6.0	7.3	5.8	7.7	6.8	7.7	7.1
BUCCANEER (KOOS 90-1)	7.3	7.0	7.1	8.7	7.0	6.7	6.2	7.3	5.8	7.7	6.8	7.3	7.1
PRELUDE II (2P2-90)	7.7	7.0	7.6	8.0	5.3	7.0	6.0	7.7	5.5	8.0	7.3	7.7	7.1
WIND STAR (PST-28M)	7.3	7.2	7.2	8.3	5.3	6.7	6.0	8.0	6.0	7.7	7.0	8.0	7.1
PST-23C	7.0	.	7.1	8.3	6.3	6.3	6.3	7.7	5.8	7.7	7.0	7.7	7.0
LOWGROW (PICK 89LLG)	6.7	7.8	7.1	8.0	6.0	6.3	6.2	8.0	5.8	7.7	6.8	7.6	7.0
LEGACY	7.3	6.7	7.1	8.3	5.7	6.0	6.0	8.3	6.0	7.7	7.2	7.6	7.0
APM	7.0	7.3	7.2	8.7	5.3	7.3	5.5	7.7	5.5	7.7	6.8	7.8	7.0
NAVAJO (PST-2DPR)	6.7	7.3	7.3	9.0	5.3	6.7	6.2	8.7	5.3	7.0	7.0	7.3	7.0
SR 4200	7.3	7.0	7.2	8.0	6.3	6.3	6.0	7.7	6.2	7.7	6.7	7.4	7.0
PST-290	7.3	7.2	7.3	8.0	6.0	6.7	6.2	7.0	5.8	8.0	6.8	7.4	7.0
PST-20G	7.0	8.0	6.9	8.7	5.7	6.7	5.8	7.0	5.3	7.7	6.8	7.6	6.9
AFFINITY (GEN-90)	7.0	7.3	7.0	8.0	6.0	6.3	6.3	7.3	5.8	7.3	7.0	7.6	6.9
ZPS-2EZ	7.0	8.0	7.2	8.0	4.7	7.3	5.7	6.7	5.8	7.7	7.0	7.9	6.9
MORNING STAR (SYN-P)	7.3	6.2	6.9	8.3	5.7	7.0	5.8	7.3	6.3	7.3	7.0	7.3	6.9
YORKTOWN III (LDRF)	7.0	7.5	6.7	8.0	5.7	6.7	6.0	7.3	6.0	7.0	6.8	7.9	6.9
SEVILLE	7.3	7.2	7.2	8.0	5.7	7.0	5.5	7.0	5.7	7.3	7.0	7.3	6.9
PRECISION (MOM LP 3147)	7.0	7.3	7.2	7.7	6.0	6.7	6.0	7.3	5.5	7.3	6.7	7.2	6.8
DELAWARE DWARF (4DD)	7.0	6.7	6.9	8.3	6.3	7.0	6.0	7.0	5.2	7.0	6.8	7.4	6.8
PATRIOT II	7.3	8.0	6.9	8.0	6.0	6.3	5.5	7.3	5.2	7.3	6.3	7.3	6.8
ENVY	7.0	7.5	7.2	8.0	5.7	6.7	6.0	6.3	5.8	7.3	6.5	7.4	6.8
ELEGANCE (OFI-F7)	7.0	7.0	6.8	8.0	6.0	7.0	5.7	7.0	5.7	7.0	6.7	7.2	6.8
DIMENSION (2H7)	7.0	7.0	6.6	8.0	6.7	6.0	6.2	7.0	5.3	7.0	6.7	7.6	6.7
ADVENT	7.3	7.7	7.0	7.3	5.3	6.7	5.3	7.0	5.5	7.3	6.5	7.9	6.7
PR 9121	7.0	7.0	6.4	7.7	6.0	6.3	6.3	7.0	5.2	7.7	6.7	7.4	6.7
PINNACLE	7.0	7.2	6.8	8.3	6.0	6.3	5.5	6.7	5.3	7.0	6.8	7.7	6.7
ESSENCE (PR 8820)	6.0	6.8	7.0	8.0	6.0	6.3	6.0	7.3	5.2	7.3	7.0	7.2	6.7
SHINING STAR (PST-2B3)	7.0	7.0	7.2	8.0	5.3	6.7	5.7	6.3	5.7	7.0	6.8	7.4	6.7
240 (PEBBLE BEACH)	7.3	7.7	6.8	8.0	5.7	6.3	5.8	6.3	5.3	7.0	6.5	7.2	6.7

TABLE 6.  
(CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	CO1	ID2	ID3	KS2	KY1	MD1	NE1	NJ1	NJ3	OH1	OR9	WA3	MEAN
CHARISMA (WVPB 89-92)	6.7	6.8	6.7	7.3	6.0	6.7	6.2	7.7	5.3	7.0	6.7	6.9	6.7
PR 9119	6.3	6.8	6.6	8.0	6.7	6.3	6.2	7.0	5.3	7.3	6.2	7.1	6.7
EQUAL	7.3	6.7	6.8	8.0	5.7	6.3	5.5	7.0	5.5	7.0	6.5	7.6	6.7
STATESMAN (WVPB-88-PR-D-12)	6.7	7.0	6.7	8.3	5.7	6.7	5.7	6.7	5.3	7.0	6.8	7.1	6.6
REGAL	6.3	7.2	6.9	7.7	6.7	6.3	5.8	6.3	5.3	7.0	6.7	7.2	6.6
NOMAD	7.0	6.7	6.9	8.3	5.3	6.3	5.7	7.0	5.7	7.0	6.5	7.0	6.6
RODEO II	6.7	6.8	6.9	8.3	5.7	6.3	6.0	6.3	5.2	7.0	6.7	7.3	6.6
PS 89-90 (MVF 89-90)	7.0	7.2	6.8	7.3	5.0	6.3	6.2	7.0	5.5	7.0	6.8	7.1	6.6
SHERWOOD	7.0	7.5	7.0	8.0	6.0	6.3	6.0	5.7	5.2	7.0	6.3	7.1	6.6
TARGET	7.0	7.3	7.0	7.7	5.7	6.7	5.3	6.0	5.5	7.0	6.5	7.4	6.6
PR 9118	6.7	6.5	6.8	7.7	6.0	6.3	5.8	7.0	4.8	7.3	6.7	7.2	6.6
EXPRESS	7.0	6.8	6.9	8.0	6.3	6.0	5.7	6.0	5.2	7.0	6.5	7.4	6.6
KOCS 90-2	6.7	7.3	6.6	7.7	5.3	6.7	6.0	6.3	5.3	7.0	6.5	7.2	6.6
CHARGER	6.7	6.7	6.6	8.0	5.3	6.3	5.5	6.3	5.3	7.3	6.8	7.4	6.5
DANDY	7.3	6.5	7.0	8.0	5.3	6.3	6.2	5.3	5.7	7.0	6.7	7.0	6.5
COWBOY II (WM-II)	7.0	6.8	6.7	7.7	6.7	6.0	6.2	5.3	5.3	7.3	6.5	6.8	6.5
SATURN	7.0	6.8	6.6	8.0	6.0	6.7	5.3	5.7	5.0	7.3	6.5	7.0	6.5
89-666	7.0	7.7	6.6	7.0	5.7	6.3	5.3	6.3	5.0	7.3	6.3	7.2	6.5
COMMANDER	6.7	6.8	6.7	7.7	5.7	7.0	5.8	6.0	5.0	7.0	6.5	6.9	6.5
PRQNT0 (WVPB-89-87A)	7.3	6.3	6.8	7.3	5.0	6.3	5.7	6.3	5.5	7.0	6.7	7.4	6.5
PR 9108	6.7	6.8	6.8	7.0	7.0	6.0	5.8	5.7	5.2	7.0	6.3	7.3	6.5
COMPETITOR	6.3	6.8	6.9	7.3	5.7	6.0	6.0	6.7	5.3	7.0	6.0	7.3	6.4
CAERI (ZW 42-176)	6.3	6.5	7.0	7.0	6.0	6.0	5.5	7.0	5.0	7.0	6.8	7.1	6.4
DERBY SUPREME	7.0	6.8	6.3	7.7	6.0	6.0	5.8	6.0	4.8	7.0	6.5	7.2	6.4
HE 311	6.3	6.8	6.4	7.7	5.7	6.3	5.8	6.3	5.7	7.0	6.5	6.1	6.4
PLEASURE	7.0	7.0	6.9	7.3	6.0	6.0	5.7	5.0	5.7	7.0	6.3	6.7	6.4
NEWLINN (N-33)	7.0	6.5	6.3	7.7	5.3	6.0	5.7	6.0	5.2	7.0	6.5	7.2	6.4
MANHATTAN II (E)	6.3	7.2	6.2	7.7	5.3	6.0	6.0	5.3	5.3	7.3	6.3	7.0	6.3
FIESTA II	7.0	6.7	6.6	7.3	5.3	6.7	6.0	5.0	5.2	7.0	6.2	7.0	6.3
TOPEKA (WVPB-88-PR-D-10)	6.7	6.8	6.8	7.7	5.3	6.0	5.5	5.3	5.2	7.0	6.3	7.1	6.3
BAR LP 086FL	6.0	7.5	6.9	7.3	5.7	6.0	5.8	5.7	4.5	7.0	6.5	6.8	6.3
ACCOLADE	6.7	6.7	6.3	7.3	7.0	6.0	5.7	5.0	4.5	7.0	6.3	7.0	6.3
LINDSAY	6.3	6.2	6.2	7.3	6.0	6.0	5.8	6.3	5.0	7.0	6.5	6.8	6.3
CUTLESS	6.3	6.2	6.4	7.7	5.7	6.0	5.8	6.7	4.7	7.0	6.2	6.8	6.3
PENNANT	7.0	6.3	6.4	7.7	5.0	6.3	5.7	5.3	5.2	7.0	6.3	6.8	6.3
RIVIERA	6.3	6.3	6.2	7.3	6.7	6.0	5.7	5.7	4.8	7.0	6.3	6.6	6.2
GATOR	6.3	6.7	6.2	7.3	6.3	6.0	5.5	5.7	5.0	6.7	6.3	6.7	6.2
CORSAIR (MVF 89-88)	6.3	6.7	6.2	7.7	5.3	6.3	5.5	6.0	4.5	7.0	6.3	6.7	6.2
PR 9109	6.3	6.8	6.7	7.3	5.0	6.3	5.7	5.7	4.5	7.0	6.3	6.9	6.2
ELITE (WVPB-88-PR-C-23)	6.0	6.5	5.9	7.3	4.7	5.7	6.0	7.0	4.7	7.0	6.5	6.8	6.2
DUET	6.3	6.3	6.6	6.7	5.7	6.3	5.7	5.0	4.8	7.0	6.2	6.6	6.1
PREMIER	7.0	6.7	6.4	7.0	5.3	6.0	5.3	4.0	5.0	7.0	6.2	6.9	6.1
BOARDWALK (OFI-D4)	6.0	6.2	6.1	7.3	5.7	6.0	6.0	5.3	4.3	7.0	6.2	6.6	6.1
CITATION II	6.3	6.5	6.4	7.7	5.0	6.0	5.0	5.0	4.5	7.0	6.3	6.9	6.1
EEG 358	6.0	6.3	6.1	6.0	5.3	6.7	6.0	5.0	5.0	7.0	6.0	7.0	6.0

TABLE 6.  
(CONT'D)

GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	CO1	ID2	ID3	KS2	KY1	MD1	NE1	NJ1	NJ3	OH1	OR9	WA3	MEAN
BAR LP 852	6.7	6.7	6.4	6.7	4.7	6.0	5.2	5.3	4.7	7.0	6.0	7.0	6.0
ALLEGRO	5.7	6.7	5.8	8.0	5.7	6.0	6.0	4.3	4.5	7.0	6.0	6.3	6.0
UNKNOWN	6.7	6.3	6.1	7.7	5.0	6.0	5.5	4.3	4.5	7.0	6.0	6.7	6.0
TAYA	5.7	6.5	5.4	7.7	5.7	6.0	5.5	6.0	4.0	6.7	6.2	6.2	6.0
C-21	6.0	6.0	5.9	6.3	5.3	6.3	5.8	5.0	4.3	7.0	6.2	7.0	5.9
REFELL	6.0	6.2	6.1	7.0	5.3	6.0	5.5	5.0	4.8	6.3	5.8	6.8	5.9
CALYPSO	6.3	6.7	6.0	7.0	5.0	6.0	5.3	4.3	4.3	7.0	6.2	6.7	5.9
856	6.0	5.7	6.2	7.0	5.7	5.7	5.3	4.7	4.8	7.0	6.0	6.2	5.9
STALLION	6.3	5.8	6.1	6.7	5.3	6.0	5.5	4.3	4.5	7.0	6.0	6.7	5.9
MOM LP 3184	6.0	5.8	6.1	6.7	5.7	6.0	5.2	4.7	4.5	6.7	5.8	6.9	5.8
GOALIE	5.7	6.2	6.6	7.7	5.0	6.0	4.3	5.3	4.0	7.0	5.7	6.4	5.8
CALIENTE	5.7	7.0	5.8	7.0	5.0	6.0	5.2	4.0	4.7	7.0	5.7	6.7	5.8
MOM LP 3182	6.0	5.8	5.9	7.0	6.0	6.0	5.0	5.0	4.0	6.3	5.8	6.5	5.8
BARRAGE	5.7	5.8	5.8	7.7	5.3	6.0	5.3	4.3	4.0	6.7	6.2	6.2	5.8
PENNFINE	6.0	6.2	6.2	6.7	5.3	6.0	4.8	3.3	4.0	6.7	5.3	8.0	5.7
CLP 39	5.0	6.2	6.1	6.7	5.0	5.7	5.5	4.7	4.2	7.0	5.8	6.4	5.7
MULLIGAN (NK 89001)	5.7	6.0	5.9	7.0	5.3	5.7	5.0	4.7	4.3	6.3	5.7	6.4	5.7
CLP 144	5.0	6.0	5.7	6.7	5.3	6.0	5.0	5.0	3.8	6.7	5.7	6.6	5.6
MOM LP 3111	5.7	5.7	5.3	6.3	5.7	6.0	5.2	4.0	4.0	7.0	5.8	6.3	5.6
BARRAGE ++	5.0	6.0	5.8	6.7	6.0	6.0	4.7	4.3	4.3	6.0	5.8	6.0	5.6
METEOR	4.3	5.7	5.6	6.3	5.7	5.7	5.2	4.7	3.7	7.0	6.3	5.9	5.5
ENIRAR	4.7	5.7	5.7	6.0	5.7	6.0	5.5	3.3	4.3	6.3	5.7	6.3	5.4
MOM LP 3185	5.3	5.8	5.7	6.3	5.0	6.0	5.3	3.3	3.8	6.3	5.5	6.2	5.4
DANARO	5.0	5.8	5.8	5.7	5.0	5.3	5.2	4.0	4.0	6.7	5.7	6.3	5.4
SURPRISE	5.3	5.7	5.4	6.7	5.0	5.3	4.8	4.0	3.5	6.7	5.3	5.9	5.3
DANILO	5.3	6.3	5.7	5.0	5.0	5.3	4.8	3.7	3.7	6.0	5.8	6.6	5.3
OVATION	5.3	5.5	5.3	5.7	5.7	5.0	4.8	3.7	4.3	6.0	5.5	6.1	5.2
LORETTA	4.3	5.5	5.3	5.7	6.0	6.0	4.3	3.3	3.7	6.0	5.7	5.9	5.1
TROUBADOUR	4.0	5.8	5.1	6.0	5.7	5.7	5.3	3.3	3.3	6.3	5.0	5.7	5.1
CARTEL	4.7	5.2	5.2	5.7	5.3	5.7	4.8	3.0	3.5	6.3	5.5	6.0	5.1
MOM LP 3179	4.3	5.5	5.1	5.3	5.0	5.7	4.8	3.0	3.5	6.0	5.5	5.9	5.0
TORONTO	4.7	5.2	5.0	6.3	5.3	5.0	4.2	2.7	3.8	6.0	5.2	6.1	5.0
LINN	3.3	4.8	4.9	4.3	4.0	5.0	4.5	1.3	2.0	6.7	4.7	5.3	4.2
LSD VALUE	0.8	0.8	0.5	0.9	1.3	0.7	0.6	1.0	0.6	0.6	0.5	0.8	0.2

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 7. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	ID2	ID3	NJ3	OH1	RI1	UB1	WA3	MEAN
REGAL	6.3	6.3	5.7	5.7	5.0	7.7	5.7	6.0
89-666	6.3	5.3	5.3	5.3	5.0	8.0	6.7	6.0
KOOS 90-2	7.3	5.8	4.3	5.0	5.3	6.3	6.7	5.8
MORNING STAR (SYN-P)	6.0	5.3	5.7	5.7	5.0	6.7	6.3	5.8
SATURN	5.0	5.7	6.0	5.0	4.7	7.7	6.7	5.8
ENVY	5.7	5.2	6.3	5.0	4.7	7.0	6.7	5.8
FIESTA II	6.7	5.2	5.0	5.0	5.3	7.3	6.0	5.8
PINNACLE	5.0	6.2	6.0	5.7	3.7	7.3	6.7	5.8
WIND STAR (PST-28M)	5.0	5.8	5.7	5.3	4.7	7.3	6.7	5.8
ASSURE	5.3	5.3	5.3	5.7	4.3	7.3	7.0	5.8
REPELL II (LDRD)	5.7	4.3	5.7	5.7	5.0	6.7	7.3	5.8
AFFINITY (GEN-90)	4.7	6.3	5.3	6.0	5.0	6.3	6.7	5.8
TOPEKA (WVPB-88-PR-D-10)	6.3	5.2	5.0	5.3	5.0	6.7	6.7	5.7
ACCOLADE	6.0	6.7	4.7	6.0	4.0	7.3	5.3	5.7
PRONTO (WVPB-89-87A)	5.7	6.3	5.3	5.3	4.3	6.7	6.3	5.7
PREMIER	5.7	5.8	5.3	6.0	4.3	7.3	5.3	5.7
EXPRESS	6.3	4.5	6.0	5.0	4.3	6.7	7.0	5.7
PRELUDE II (2P2-90)	6.7	4.8	5.3	5.0	4.3	6.7	7.0	5.7
REPELL	5.7	5.3	5.0	5.3	4.7	7.3	6.3	5.7
MULLIGAN (NK 89001)	5.0	5.5	5.7	5.0	4.7	8.0	5.7	5.6
ELEGANCE (OFI-F7)	6.3	5.0	5.3	5.0	4.3	7.0	6.3	5.6
CALYPSO	5.3	5.3	4.7	5.0	5.0	7.3	6.7	5.6
LINDSAY	6.3	6.0	5.3	5.3	4.0	5.7	6.7	5.6
STALLION	5.0	6.3	5.7	5.0	4.0	7.7	5.7	5.6
ZPS-2EZ	5.7	4.5	5.0	5.0	5.0	7.7	6.3	5.6
MANHATTAN II (E)	5.7	5.3	5.7	5.0	4.7	6.3	6.3	5.6
DANDY	5.7	5.0	4.7	5.7	4.7	6.7	6.7	5.6
GETTYSBURG	6.0	4.7	4.3	5.3	5.7	6.3	6.7	5.6
PRIZM (ZPS-28D)	4.7	5.0	5.7	5.3	4.7	6.3	7.3	5.6
PS 89-90 (MVF 89-90)	5.7	5.3	5.0	5.7	4.3	6.0	7.0	5.6
QUICKSTART (PST-2FQR)	5.7	4.7	5.3	6.0	5.3	5.7	6.3	5.6
YORKTOWN III (LDRF)	5.7	4.3	5.3	5.0	4.7	7.0	7.0	5.6
STALLION SELECT (PS-105)	5.7	6.0	4.3	5.3	4.3	6.7	6.7	5.6
SHINING STAR (PST-2B3)	4.3	5.3	5.3	5.0	5.3	6.7	6.7	5.5
GATOR	5.3	6.2	4.3	5.0	5.0	7.7	5.0	5.5
OVATION	5.3	5.2	5.3	5.0	4.7	6.3	6.7	5.5
PATRIOT II	5.7	4.0	5.7	5.3	4.3	7.0	6.3	5.5
SURPRISE	4.7	5.0	6.3	5.0	3.7	7.7	6.0	5.5
240 (PEBBLE BEACH)	6.3	5.0	4.3	5.3	4.3	6.7	6.3	5.5
PR 9121	5.0	5.0	4.3	5.3	5.0	6.7	7.0	5.5
APM	5.7	4.8	4.3	5.7	4.7	6.7	6.3	5.5
CITATION II	5.7	5.2	5.0	5.0	5.3	6.0	6.0	5.5
ACHIEVER (PICK 1800)	6.0	5.2	5.0	5.7	4.0	6.7	5.7	5.5
CHARGER	5.7	4.8	5.0	5.0	5.0	6.0	6.7	5.5
LORETTA	4.7	5.2	5.0	5.3	5.7	6.7	5.7	5.5

TABLE 7. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	ID2	ID3	NJ3	OH1	RI1	UB1	WA3	MEAN
PRECISION (MOM LP 3147)	5.7	5.5	5.0	5.3	4.0	6.0	6.7	5.5
ADVENT	5.7	5.0	4.7	4.7	4.0	7.3	6.7	5.4
DANILO	5.0	5.7	4.3	5.3	4.7	7.7	5.3	5.4
DELAWARE DWARF (4DD)	5.7	5.7	5.0	5.3	4.0	6.3	6.0	5.4
DERBY SUPREME	4.7	5.0	4.7	5.0	5.0	7.0	6.7	5.4
NIGHTHAWK (WVPB-89-PR-A-3)	5.7	5.3	4.3	5.0	5.0	6.0	6.7	5.4
PLEASURE	6.7	5.7	4.7	5.0	4.3	6.7	5.0	5.4
BARRAGE	5.0	5.8	5.7	5.7	3.7	5.7	6.3	5.4
COMMANDER	6.3	5.2	4.7	5.7	3.7	6.0	6.3	5.4
GREENLAND (PICK 9100)	5.7	5.2	4.7	5.7	4.0	6.3	6.3	5.4
PALMER II (P89)	5.0	4.5	5.0	5.7	4.0	6.3	7.3	5.4
PR 9119	5.7	5.5	5.0	5.7	4.0	6.3	5.7	5.4
PST-290	5.7	5.2	5.3	5.0	3.7	6.7	6.3	5.4
HE 311	5.7	4.5	5.0	5.3	4.0	7.7	5.7	5.4
PASSPORT (PST-2FF)	5.7	5.2	4.7	5.3	4.3	6.0	6.7	5.4
C-21	5.0	4.7	5.3	5.0	5.0	7.3	5.3	5.4
COWBOY II (WM-II)	4.7	5.3	5.0	5.3	4.3	7.0	6.0	5.4
DIMENSION (2H7)	5.3	5.0	5.0	5.3	4.7	5.3	7.0	5.4
EQUAL	6.0	5.0	4.7	5.0	4.3	7.0	5.7	5.4
SHERWOOD	5.7	4.7	4.7	5.3	4.0	6.3	7.0	5.4
UNKNOWN	4.7	4.8	5.7	5.3	4.7	7.0	.	5.4
NEWLINN (N-33)	5.7	5.5	4.7	5.0	3.7	6.7	6.3	5.4
SR 4200	5.3	4.5	5.0	5.3	4.3	7.0	6.0	5.4
856	4.3	6.0	5.0	4.7	3.7	7.3	6.3	5.3
LYNX (PICK EEC)	5.7	4.3	4.7	5.7	4.3	6.0	6.7	5.3
CLP 39	5.7	5.2	4.0	5.7	4.0	6.7	6.0	5.3
PR 9108	5.7	4.2	5.0	5.0	4.7	6.0	6.7	5.3
PR 9118	4.7	5.2	5.0	5.3	4.7	6.0	6.3	5.3
STATESMAN (WVPB-88-PR-D-12)	5.7	5.2	4.3	5.0	5.0	6.0	6.0	5.3
CALIENTE	5.0	4.5	4.7	5.0	5.0	7.3	5.7	5.3
LEGACY	4.3	5.8	4.7	5.3	4.0	6.7	6.3	5.3
PENNFINE	4.7	4.5	4.7	5.3	5.0	7.7	.	5.3
BAR LP 852	4.0	5.3	5.0	5.3	5.0	6.0	6.3	5.3
BRIGHTSTAR (PST-GH-89)	4.5	4.5	5.0	4.7	5.0	6.0	7.3	5.3
CUTTER (PICK 89-4)	5.7	5.3	4.7	5.0	4.7	5.3	6.3	5.3
ELITE (WVPB-88-PR-C-23)	5.3	5.7	4.3	4.7	4.7	5.3	7.0	5.3
NAVAJO (PST-2DPR)	5.3	6.0	5.0	5.3	4.3	4.0	7.0	5.3
RIVIERA	6.0	5.3	4.3	5.0	4.0	7.0	5.3	5.3
PST-2OG	6.3	3.8	4.3	5.0	5.0	5.7	6.7	5.3
RIVIERA II (PICK DKM)	5.0	5.2	5.0	5.0	5.3	5.7	5.7	5.3
BOARDWALK (OFI-D4)	4.7	5.3	5.3	5.0	3.7	7.0	5.7	5.2
MOM LP 3185	4.7	4.7	5.7	4.7	4.3	7.0	5.7	5.2
PENNANT	4.3	5.0	4.7	5.3	4.7	7.0	5.7	5.2
PR 9109	6.0	5.0	5.3	5.3	3.3	6.7	5.0	5.2
RODEO II	5.0	5.0	5.0	5.0	4.0	6.3	6.3	5.2

TABLE 7. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	ID2	ID3	NJ3	OH1	RI1	UB1	WA3	MEAN
MOM LP 3111	4.7	4.7	5.3	6.0	4.0	6.0	5.7	5.2
TAYA	4.7	5.8	5.0	5.3	4.3	4.7	6.3	5.2
CUTLESS	4.3	4.7	4.7	5.0	4.3	6.3	6.7	5.1
MOM LP 3184	5.0	5.7	5.3	5.0	4.0	5.7	5.3	5.1
SEVILLE	4.7	4.0	4.3	5.0	4.7	6.7	6.7	5.1
COMPETITOR	4.7	5.2	4.7	5.0	3.7	7.0	5.7	5.1
ENTRAR	5.3	5.0	5.0	5.0	4.7	5.3	5.3	5.1
PST-23C	.	4.5	4.7	5.0	4.3	5.3	6.7	5.1
BUCCANEER (KOOS 90-1)	5.0	4.5	4.3	5.0	4.7	5.7	6.3	5.1
TARGET	4.3	4.5	4.7	5.0	4.3	6.7	6.0	5.1
CORSAIR (MVF 89-88)	6.3	5.0	4.7	5.0	3.3	5.7	5.3	5.0
TROUBADOUR	4.0	5.0	4.7	4.7	5.0	6.7	5.3	5.0
EVENING SHADE (POLY-SH)	4.7	5.0	4.3	6.0	4.3	5.0	6.0	5.0
CAPRI (ZW 42-176)	5.3	4.5	4.7	4.7	4.0	6.3	5.7	5.0
ALLEGRO	4.7	5.0	3.7	5.3	4.7	5.3	6.3	5.0
MOM LP 3179	4.3	4.3	4.7	4.7	4.3	7.3	5.3	5.0
MOM LP 3182	3.7	5.0	3.7	5.3	4.7	7.3	5.3	5.0
BARRAGE ++	5.3	4.7	5.0	5.0	3.3	5.3	6.3	5.0
DANARO	4.7	5.2	5.0	4.0	3.7	6.7	5.7	5.0
EEG 358	6.0	5.5	4.7	5.0	3.3	4.7	5.7	5.0
LOWGROW (PICK 89LLG)	4.3	5.0	5.0	5.0	3.3	6.0	6.0	5.0
TORONTO	4.7	5.0	4.0	6.0	3.3	6.3	5.3	5.0
CHARISMA (WVPB 89-92)	4.7	5.2	4.3	4.3	3.7	6.0	6.3	4.9
ESSENCE (PR 8820)	4.0	5.5	3.3	5.3	3.3	6.0	7.0	4.9
NOMAD	5.0	5.0	4.7	4.7	3.3	6.0	5.7	4.9
CLP 144	4.0	4.5	4.0	5.0	4.3	6.7	5.7	4.9
GOALIE	5.0	5.3	3.3	5.3	4.0	6.3	4.7	4.9
PST-2ROR	4.7	5.2	4.3	5.0	3.7	5.0	6.0	4.8
DUET	4.0	5.0	5.0	4.0	3.7	5.3	6.0	4.7
LINN	4.3	4.3	4.0	4.3	4.0	7.7	4.0	4.7
METEOR	4.3	5.2	5.0	4.3	3.7	5.0	5.0	4.6
CARTEL	4.0	4.0	4.3	3.7	4.3	6.3	5.7	4.6
BAR LP 086FL	4.3	3.8	3.0	4.3	3.7	6.7	6.3	4.6
LSD VALUE	1.7	1.6	1.3	0.9	1.7	1.3	1.3	0.6

- 1/ SPRING GREENUP RATED AT "NJ3" IN 1991, AT "ID2", "OH1", "RI1" & "WA3" IN 1992, AT "ID3" IN 1991 & 1992, AND AT "UB1" IN 1994.
- 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).

TABLE 8. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	NJ3	NAME	NJ3
LOWGROW (PICK 89LLG)	6.7	RODEO II	5.8
AFFINITY (GEN-90)	6.4	SHINING STAR (PST-2B3)	5.8
CHARISMA (WVPB 89-92)	6.4	STALLION	5.8
PRIZM (ZPS-28D)	6.4	STALLION SELECT (PS-105)	5.8
ASSURE	6.3	240 (PEBBLE BEACH)	5.7
HE 311	6.3	ACCOLADE	5.7
BRIGHTSTAR (PST-GH-89)	6.2	APM	5.7
CAPRI (ZW 42-176)	6.2	CUTLESS	5.7
ELITE (WVPB-88-PR-C-23)	6.2	ESSENCE (PR 8820)	5.7
GETTYSBURG	6.2	KOOS 90-2	5.7
LEGACY	6.2	LINDSAY	5.7
PASSPORT (PST-2FF)	6.1	NAVAJO (PST-2DPR)	5.7
PRELUDE II (2P2-90)	6.1	PLEASURE	5.7
QUICKSTART (PST-2FQR)	6.1	PR 9119	5.7
REPELL II (LDRD)	6.1	PS 89-90 (MVF 89-90)	5.7
RIVIERA II (PICK DKM)	6.1	REPELL	5.7
WIND STAR (PST-28M)	6.1	SATURN	5.7
YORKTOWN III (LDRF)	6.1	SEVILLE	5.7
ACHIEVER (PICK 1800)	6.0	TOPEKA (WVPB-88-PR-D-10)	5.7
CUTTER (PICK 89-4)	6.0	CHARGER	5.6
GREENLAND (PICK 9100)	6.0	CLP 144	5.6
NIGHTHAWK (WVPB-89-PR-A-3)	6.0	DANDY	5.6
PALMER II (P89)	6.0	NOMAD	5.6
PINNACLE	6.0	PST-23C	5.6
PST-290	6.0	SHERWOOD	5.6
SR 4200	6.0	STATESMAN (WVPB-88-PR-D-12)	5.6
ADVENT	5.9	ZPS-2EZ	5.6
BAR LP 086FL	5.9	ALLEGRO	5.4
COWBOY II (WM-II)	5.9	BAR LP 852	5.4
DANILO	5.9	DELAWARE DWARF (4DD)	5.4
DIMENSION (2H7)	5.9	DERBY SUPREME	5.4
EVENING SHADE (POLY-SH)	5.9	FIESTA II	5.4
LYNX (PICK EEC)	5.9	GATOR	5.4
PATRIOT II	5.9	NEWLINN (N-33)	5.4
PR 9121	5.9	PENNANT	5.4
89-666	5.8	PRECISION (MOM LP 3147)	5.4
BUCCANEER (KOOS 90-1)	5.8	PST-20G	5.4
COMPETITOR	5.8	TARGET	5.4
ENVY	5.8	CALYPSO	5.3
EQUAL	5.8	CORSAIR (MVF 89-88)	5.3
EXPRESS	5.8	PR 9109	5.3
MANHATTAN II (E)	5.8	PR 9118	5.3
MORNING STAR (SYN-P)	5.8	CITATION II	5.2
PRONTO (WVPB-89-87A)	5.8	DANARO	5.2
PST-2ROR	5.8	ELEGANCE (OFI-F7)	5.2



TABLE 8. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	NJ3
RIVIERA	5.2
CLP 39	5.1
EEG 358	5.1
MCM LP 3184	5.1
PR 9108	5.1
PREMIER	5.1
TAYA	5.1
UNKNOWN	5.1
C-21	5.0
COMMANDER	5.0
DUET	5.0
GOALIE	5.0
MULLIGAN (NK 89001)	5.0
TROUBADOUR	5.0
CALIENTE	4.9
ENIRAR	4.9
LORETTA	4.9
MCM LP 3111	4.9
MCM LP 3182	4.8
OVATION	4.8
REGAL	4.8
BARRAGE ++	4.7
BOARDWALK (OFI-D4)	4.7
CARTEL	4.7
MCM LP 3179	4.7
PENNFINE	4.7
TORONTO	4.7
856	4.6
BARRAGE	4.6
SURPRISE	4.6
MCM LP 3185	4.4
METEOR	4.3
LINN	2.4
LSD VALUE	0.5

1/ LEAF TEXTURE RATED IN 1991, 1992 & 1993.

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).

TABLE 9. WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/ 1991-1994 DATA

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

NAME	DC1
LORETTA	6.0
NOMAD	5.0
CLP 39	4.7
COMPETITOR	4.7
PR 9109	4.7
PS 89-90 (MF 89-90)	4.7
ALLEGRO	4.3
BARRAGE	4.3
BARRAGE ++	4.3
CALYPSO	4.3
CLP 144	4.3
CUTLESS	4.3
DANDY	4.3
EEG 358	4.3
LEGACY	4.3
MANHATTAN II (E)	4.3
MOM LP 3184	4.3
PENNANT	4.3
STATESMAN (WVPB-88-PR-D-12)	4.3
TORONTO	4.3
ASSURE	4.0
BAR LP 086FL	4.0
CALIENTE	4.0
DANARO	4.0
DANILO	4.0
DELAWARE DWARF (4DD)	4.0
DUET	4.0
ELITE (WVPB-88-PR-C-23)	4.0
ENTRAR	4.0
EXPRESS	4.0
GATOR	4.0
HE 311	4.0
PLEASURE	4.0
PR 9119	4.0
PR 9121	4.0
PST-290	4.0
SEVILLE	4.0
STALLION	4.0
STALLION SELECT (PS-105)	4.0
SURPRISE	4.0
TAYA	4.0
TOPEKA (WVFB-88-PR-D-10)	4.0
ACCOLADE	3.7
AFFINITY (GEN-90)	3.7
BOARDWALK (OFI-D4)	3.7

WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1991-1994 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE

NAME	DC1
CARTEL	3.7
CHARGER	3.7
CHARISMA (WVPB 89-92)	3.7
CITATION II	3.7
CORSAIR (MVF 89-88)	3.7
DERBY SUPREME	3.7
EQUAL	3.7
ESSENCE (PR 8820)	3.7
GOALIE	3.7
METEOR	3.7
MORNING STAR (SYN-P)	3.7
MULLIGAN (NK 89001)	3.7
NAVAJO (PST-2DPR)	3.7
OVATION	3.7
PINNACLE	3.7
PRECISION (MOM LP 3147)	3.7
PREMIER	3.7
REPELL II (LDRD)	3.7
RIVIERA	3.7
SHINING STAR (PST-2B3)	3.7
TARGET	3.7
TROUBADOUR	3.7
240 (PEBBLE BEACH)	3.3
856	3.3
89-666	3.3
ADVENT	3.3
BAR LP 852	3.3
BUCCANEER (KOOS 90-1)	3.3
C-21	3.3
CAPRI (ZW 42-176)	3.3
COMMANDER	3.3
DIMENSION (2H7)	3.3
ELEGANCE (OFI-F7)	3.3
FIESTA II	3.3
LINDSAY	3.3
MOM LP 3111	3.3
MOM LP 3179	3.3
MOM LP 3185	3.3
NIGHTHAWK (WVPB-89-PR-A-3)	3.3
PR 9108	3.3
PST-2ROR	3.3
RIVIERA II (PICK DKM)	3.3
RODEO II	3.3
SATURN	3.3
UNKNOWN	3.3

TABLE 9. WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE

NAME	DC1
WIND STAR (PST-28M)	3.3
YORKTOWN III (LDRF)	3.3
ACHIEVER (PICK 1800)	3.0
ARM	3.0
CUTTER (PICK 89-4)	3.0
ENVY	3.0
GETTYSBURG	3.0
KOOS 90-2	3.0
LOWGROW (PICK 89LLG)	3.0
LYNX (PICK EEC)	3.0
PALMER II (P89)	3.0
PATRIOT II	3.0
PENNFINE	3.0
PR 9118	3.0
PRIZM (ZPS-28D)	3.0
PRONTO (WVPB-89-87A)	3.0
QUICKSTART (PST-2FQR)	3.0
REGAL	3.0
REPELL	3.0
SR 4200	3.0
ZPS-2EZ	3.0
BRIGHTSTAR (PST-GH-89)	2.7
EVENING SHADE (POLY-SH)	2.7
GREENLAND (PICK 9100)	2.7
MCM LP 3182	2.7
NEWLINN (N-33)	2.7
PASSPORT (PST-2FF)	2.7
PRELUDE II (2F2-90)	2.7
SHERWOOD	2.7
COWBOY II (WM-II)	2.3
LINN	2.3
PST-23C	2.3
PST-2OG	2.3
LSD VALUE	1.4

1/ WEAR TOLERANCE RATED IN 1992 ONLY.

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).

TABLE 10. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	CO1	ID2	ID3	ON1	OR9	MEAN
PREMIER	7.5	5.3	7.3	7.7	8.3	7.2
OVATION	7.3	6.7	7.3	7.0	7.7	7.2
CITATION II	7.3	6.0	7.7	7.0	7.3	7.1
TROUBADOUR	6.0	7.3	7.0	8.0	7.0	7.1
MOM LP 3185	6.5	5.7	6.7	8.3	7.7	7.0
MANHATTAN II (E)	7.0	5.7	7.0	7.0	8.0	6.9
ACCOLADE	6.0	7.7	6.3	6.3	8.3	6.9
TOPEKA (WVPB-88-PR-D-10)	5.7	7.3	5.3	7.7	8.7	6.9
856	6.3	7.0	6.0	6.7	8.3	6.9
COMMANDER	6.0	6.7	7.0	6.3	8.3	6.9
PLEASURE	5.5	6.7	6.3	7.3	8.3	6.8
COMPETITOR	6.3	6.3	7.0	6.0	8.3	6.8
LINN	5.7	6.0	7.3	8.3	6.7	6.8
UNKNOWN	7.0	5.7	7.0	6.3	8.0	6.8
LINDSAY	6.3	6.7	5.7	6.7	8.3	6.7
SEVILLE	6.7	6.7	6.7	5.7	8.0	6.7
ENTRAR	6.0	6.0	7.0	7.0	7.7	6.7
MOM LP 3184	7.0	6.3	4.3	8.0	8.0	6.7
ASSURE	6.0	6.0	6.0	7.0	8.3	6.7
CALYPSO	6.0	5.7	7.0	6.7	8.0	6.7
CHARGER	7.0	5.7	6.3	6.0	8.3	6.7
LORETTA	6.3	6.3	6.7	6.7	7.3	6.7
PRELUDE II (2F2-90)	7.0	7.0	6.3	5.0	8.0	6.7
BARRAGE ++	5.5	6.7	6.7	6.3	8.0	6.6
DELAWARE DWARF (4DD)	6.5	6.0	6.3	5.7	8.7	6.6
ALLEGRO	7.3	5.7	5.7	6.3	8.0	6.6
MOM LP 3111	7.7	5.7	5.3	6.7	7.7	6.6
NEWLINN (N-33)	6.0	6.0	6.7	6.3	8.0	6.6
TARGET	6.0	5.0	6.7	7.3	8.0	6.6
ZPS-2EZ	7.0	6.0	6.0	6.0	8.0	6.6
BOARDWALK (OFI-D4)	7.7	6.3	4.7	5.7	8.3	6.5
DANARO	6.3	6.7	6.0	6.7	7.0	6.5
REPELL II (LDRD)	5.7	5.7	6.3	6.7	8.3	6.5
TORONTO	5.7	6.7	6.0	7.0	7.3	6.5
NIGHTHAWK (WVPB-89-PR-A-3)	6.7	6.0	6.0	5.3	8.7	6.5
PRONTO (WVPB-89-87A)	7.3	7.0	5.0	5.0	8.3	6.5
PENNANT	5.5	6.3	6.0	6.3	8.3	6.5
C-21	5.7	5.7	6.7	6.7	7.7	6.5
CALIENTE	6.7	4.7	7.0	6.3	7.7	6.5
METEOR	7.0	5.3	5.7	7.0	7.3	6.5
MOM LP 3179	6.7	6.0	5.3	6.7	7.7	6.5
NOMAD	7.0	6.7	5.7	4.7	8.3	6.5
PINNACLE	5.7	5.0	6.3	7.0	8.3	6.5
SHERWOOD	5.7	6.3	6.3	5.7	8.3	6.5
YORKTOWN III (LDRF)	7.3	5.3	6.3	4.7	8.7	6.5

TABLE 10. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR

NAME	CO1	ID2	ID3	ON1	OR9	MEAN
PATRIOT II	6.0	6.3	5.3	6.7	8.0	6.5
RIVIERA	6.3	6.7	6.3	5.3	7.7	6.5
PST-23C	6.7	.	4.7	5.7	8.7	6.4
89-666	5.3	5.0	6.3	7.0	8.3	6.4
ELEGANCE (OFI-F7)	5.3	5.0	6.3	7.7	7.7	6.4
MORNING STAR (SYN-P)	6.7	6.3	5.7	5.0	8.3	6.4
PR 9109	6.3	6.3	6.3	5.7	7.3	6.4
STATESMAN (WVPB-88-PR-D-12)	6.3	6.3	5.3	5.7	8.3	6.4
ELITE (WVPB-88-PR-C-23)	5.5	6.7	5.3	6.3	8.0	6.4
ADVENT	6.7	5.0	6.0	5.7	8.3	6.3
DERBY SUPREME	6.7	5.3	5.7	6.0	8.0	6.3
REPELL	5.3	6.3	6.3	6.0	7.7	6.3
APM	6.3	5.7	6.0	5.3	8.3	6.3
CLP 39	6.3	5.7	6.3	6.0	7.3	6.3
DIMENSION (2H7)	6.7	5.3	6.0	5.3	8.3	6.3
GATOR	6.3	4.7	6.0	6.3	8.3	6.3
SATURN	6.0	6.0	5.0	6.0	8.7	6.3
STALLION SELECT (PS-105)	6.7	5.3	6.0	5.3	8.3	6.3
FIESTA II	6.5	5.0	6.0	6.3	7.7	6.3
ESSENCE (PR 8820)	7.0	4.7	6.7	4.3	8.7	6.3
LEGACY	6.0	5.7	5.7	5.3	8.7	6.3
EQUAL	6.0	7.3	4.7	5.3	8.0	6.3
COWBOY II (WM-II)	5.5	5.3	6.7	6.0	7.7	6.2
PS 89-90 (MVF 89-90)	6.0	5.7	6.0	5.7	7.7	6.2
RODEO II	6.7	5.7	5.0	5.7	8.0	6.2
AFFINITY (GEN-90)	5.7	6.3	5.0	5.3	8.7	6.2
CHARISMA (WVPB 89-92)	6.0	5.7	6.0	5.0	8.3	6.2
EEG 358	5.3	6.0	5.3	6.7	7.7	6.2
EXPRESS	5.7	5.0	6.0	6.3	8.0	6.2
NAVAJO (PST-2DPR)	7.3	5.3	5.7	4.3	8.3	6.2
QUICKSTART (PST-2FQR)	6.3	4.7	5.7	6.0	8.3	6.2
MOM LP 3182	5.3	5.3	6.0	7.0	7.3	6.2
BUCCANEER (KOOS 90-1)	7.3	5.7	5.0	5.0	7.7	6.1
PENNFINE	6.7	4.0	7.0	5.7	7.3	6.1
PR 9108	6.7	5.3	6.0	4.7	8.0	6.1
PST-2OG	6.3	6.3	5.3	4.7	8.0	6.1
BAR LP 852	6.3	5.3	5.0	5.7	8.3	6.1
PR 9121	5.3	6.0	6.0	5.3	8.0	6.1
CUTLESS	6.7	5.0	6.0	4.7	8.0	6.1
LYNX (PICK EEC)	5.7	4.3	6.0	6.0	8.3	6.1
PR 9119	6.7	5.7	5.7	3.7	8.7	6.1
PRECISION (MOM LP 3147)	6.7	4.0	6.0	6.7	7.0	6.1
SHINING STAR (PST-2B3)	5.3	6.0	6.3	4.7	8.0	6.1
CORSAIR (MVF 89-88)	4.5	6.7	4.7	6.0	8.3	6.0
DUET	6.0	6.3	4.7	6.0	7.0	6.0

TABLE 10. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR

NAME	CO1	ID2	ID3	ON1	OR9	MEAN
ENVY	6.0	4.3	6.0	5.3	8.3	6.0
PALMER II (P89)	6.0	5.3	5.7	5.0	8.0	6.0
PST-290	6.7	5.0	5.3	4.3	8.7	6.0
BRIGHTSTAR (PST-GH-89)	6.0	5.3	5.3	5.3	8.0	6.0
STALLION	5.5	5.7	4.7	5.7	8.3	6.0
CLP 144	5.7	5.0	6.7	4.7	7.7	5.9
CAPRI (ZW 42-176)	6.0	5.7	5.3	5.0	7.7	5.9
EVENING SHADE (POLY-SH)	7.0	5.7	5.3	4.0	7.7	5.9
PASSPORT (PST-2FF)	6.7	5.0	4.7	5.3	8.0	5.9
DANILO	5.7	6.0	5.3	5.3	7.3	5.9
PRIZM (ZPS-28D)	7.0	5.0	4.0	5.3	8.3	5.9
KOOS 90-2	5.5	4.7	5.3	6.0	8.0	5.9
BAR LP 086FL	6.0	4.0	5.7	5.7	8.0	5.9
GETTYSBURG	7.0	5.7	4.7	4.3	7.7	5.9
GREENLAND (PICK 9100)	5.3	5.3	6.3	4.0	8.3	5.9
HE 311	5.7	5.3	6.0	4.7	7.7	5.9
LOWGROW (PICK 89LLG)	7.0	4.7	5.0	4.0	8.7	5.9
MULLIGAN (NK 89001)	6.0	4.3	4.7	6.7	7.7	5.9
DANDY	5.3	6.0	5.3	4.7	8.0	5.9
SR 4200	7.0	4.3	5.3	4.7	8.0	5.9
TAYA	5.7	5.0	4.7	5.7	8.0	5.8
GOALIE	6.7	5.7	4.3	5.0	7.3	5.8
PR 9118	6.0	4.7	5.3	5.0	8.0	5.8
RIVIERA II (PICK DKM)	6.7	5.3	4.3	4.3	8.3	5.8
CARTEL	6.7	4.3	5.7	5.0	7.0	5.7
SURPRISE	6.0	6.0	5.0	4.0	7.7	5.7
240 (PEBBLE BEACH)	5.7	5.7	4.7	4.3	8.0	5.7
BARRAGE	7.0	4.3	5.3	3.3	8.3	5.7
PST-2ROR	5.0	5.7	4.7	4.7	8.0	5.6
ACHIEVER (PICK 1800)	5.0	6.0	4.3	4.0	8.7	5.6
REGAL	5.0	5.0	5.7	4.7	7.3	5.5
WIND STAR (PST-28M)	5.3	5.7	3.3	4.7	8.7	5.5
CUTTER (PICK 89-4)	4.5	4.7	3.7	4.3	8.3	5.1
LSD VALUE	1.8	2.4	2.1	1.8	1.0	0.8

1/ SEEDLING VIGOR RATED IN 1991.

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).

TABLE 11. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
	MD1	NJ3	OH1	ON1	MEAN
BRIGHTSTAR (PST-GH-89)	7.0	7.0	6.7	6.7	6.8
SR 4200	7.0	6.5	6.3	7.0	6.7
PRIZM (ZPS-28D)	7.0	6.7	6.3	6.3	6.6
ELITE (WVPB-88-PR-C-23)	6.7	5.7	7.0	6.7	6.5
PRELUDE II (2P2-90)	7.0	5.7	7.3	6.0	6.5
ADVENT	7.0	5.3	7.3	6.3	6.5
NOMAD	7.0	5.2	7.0	6.7	6.5
STALLION SELECT (PS-105)	7.0	6.5	6.7	5.7	6.5
CHARISMA (WVPB 89-92)	7.0	6.2	6.3	6.3	6.5
LOWGROW (PICK 89LLG)	7.3	6.5	6.0	6.0	6.5
PALMER II (P89)	7.0	6.2	6.3	6.3	6.5
LEGACY	6.7	6.7	6.0	6.3	6.4
NAVAJO (PST-2DPR)	7.0	6.7	6.3	5.7	6.4
RIVIERA II (PICK DKM)	7.0	6.3	6.7	5.7	6.4
STATESMAN (WVPB-88-PR-D-12)	7.0	5.7	6.7	6.3	6.4
COMMANDER	6.3	5.2	7.7	6.3	6.4
AFFINITY (GEN-90)	7.0	6.0	6.7	5.7	6.3
DELAWARE DWARF (4DD)	6.7	5.7	7.0	6.0	6.3
EXPRESS	6.7	5.3	6.7	6.7	6.3
YORKTOWN III (LDRF)	7.0	5.7	6.7	6.0	6.3
ASSURE	6.7	6.3	6.3	6.0	6.3
PRECISION (MOM LP 3147)	6.0	5.7	7.3	6.3	6.3
PRONTO (WVPB-89-87A)	6.3	5.3	7.3	6.3	6.3
89-666	6.7	4.8	6.7	7.0	6.3
CLP 39	6.7	4.8	6.7	7.0	6.3
PS 89-90 (MVF 89-90)	6.3	5.5	6.7	6.7	6.3
PST-2ROR	7.0	5.2	7.0	6.0	6.3
SEVILLE	6.7	5.2	7.0	6.3	6.3
NIGHTHAWK (WVPB-89-PR-A-3)	7.0	5.8	6.3	6.0	6.3
SHERWOOD	7.0	5.5	6.3	6.3	6.3
CUTTER (PICK 89-4)	7.0	5.7	5.7	6.7	6.3
CAPRI (ZW 42-176)	7.0	5.7	6.3	6.0	6.3
CORSAIR (MVF 89-88)	6.7	5.0	7.0	6.3	6.3
ELEGANCE (OFI-F7)	7.0	5.0	7.0	6.0	6.3
KOOS 90-2	6.7	5.3	6.7	6.3	6.3
NEWLINN (N-33)	7.0	5.3	6.7	6.0	6.3
PASSPORT (PST-2FF)	7.0	6.0	6.3	5.7	6.3
REPELL II (LDRD)	6.7	6.0	6.3	6.0	6.3
APM	6.7	5.5	6.7	6.0	6.2
BARRAGE ++	6.7	5.2	7.0	6.0	6.2
PINNACLE	6.3	5.2	7.7	5.7	6.2
PST-290	7.0	5.2	6.7	6.0	6.2
LYNX (PICK EEC)	7.0	5.8	6.0	6.0	6.2
PR 9121	7.0	5.8	6.0	6.0	6.2
SATURN	6.3	5.2	7.0	6.3	6.2

SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY				
	MD1	NJ3	OH1	ON1	MEAN
BUCCANEER (KOOS 90-1)	6.7	5.7	6.7	5.7	6.2
CHARGER	6.7	5.3	6.7	6.0	6.2
COMPETITOR	6.3	5.7	7.0	5.7	6.2
CUTLESS	7.0	5.0	6.7	6.0	6.2
HE 311	7.0	5.7	6.3	5.7	6.2
QUICKSTART (PST-2FQR)	7.0	6.0	6.0	5.7	6.2
PR 9118	7.0	5.0	6.3	6.3	6.2
WIND STAR (PST-28M)	7.0	6.0	6.3	5.3	6.2
ESSENCE (PR 8820)	7.0	5.2	6.7	5.7	6.1
BAR LP 086EL	7.0	4.5	6.7	6.3	6.1
BARRAGE	6.7	5.2	6.7	6.0	6.1
DERBY SUPREME	6.0	4.8	7.0	6.7	6.1
DIMENSION (2H7)	6.5	6.0	6.3	5.7	6.1
GETTYSBURG	6.7	4.8	6.7	6.3	6.1
MANHATTAN II (E)	6.0	4.8	7.7	6.0	6.1
MOM LP 3184	6.7	4.8	7.3	5.7	6.1
RODEO II	6.7	4.8	7.3	5.7	6.1
CLP 144	7.0	4.8	6.3	6.3	6.1
PST-2OG	7.0	4.8	6.3	6.3	6.1
DANDY	6.0	5.3	7.0	6.0	6.1
EQUAL	6.7	5.0	6.3	6.3	6.1
MORNING STAR (SYN-P)	6.7	5.3	6.0	6.3	6.1
PR 9108	6.7	4.3	7.3	6.0	6.1
PR 9119	7.0	5.3	6.3	5.7	6.1
GREENLAND (PICK 9100)	6.7	5.5	6.3	5.7	6.0
PENNANT	6.3	5.2	7.0	5.7	6.0
SHINING STAR (PST-2B3)	7.0	4.8	6.7	5.7	6.0
PLEASURE	6.3	4.8	6.7	6.3	6.0
TOPEKA (WVPB-88-PR-D-10)	6.0	5.3	7.0	5.7	6.0
ZPS-2EZ	7.0	5.0	6.0	6.0	6.0
UNKNOWN	6.0	4.5	7.7	5.7	6.0
240 (PEBBLE BEACH)	7.0	4.8	5.7	6.3	6.0
ALLEGRO	6.3	4.5	6.3	6.7	6.0
CALIENTE	5.7	4.5	7.3	6.3	6.0
PREMIER	5.7	4.5	7.3	6.3	6.0
SURPRISE	6.3	4.5	6.7	6.3	6.0
ENVY	6.3	5.3	6.0	6.0	5.9
GATOR	6.0	5.0	7.3	5.3	5.9
LINDSAY	6.5	4.8	6.3	6.0	5.9
REPELL	6.0	5.2	6.7	5.7	5.9
CALYPSO	6.0	4.5	7.3	5.7	5.9
COWBOY II (WM-II)	6.3	4.5	6.7	6.0	5.9
EVENING SHADE (POLY-SH)	7.0	5.2	5.3	6.0	5.9
BOARDWALK (OFI-D4)	6.7	4.0	7.0	5.7	5.8
Fiesta II	6.0	4.7	6.7	6.0	5.8

TABLE 11. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	MD1	NJ3	OH1	ON1	MEAN
ACCOLADE	6.7	4.3	6.3	6.0	5.8
ENTRAR	6.3	4.7	6.3	6.0	5.8
MOM LP 3185	6.0	3.7	6.7	7.0	5.8
PATRIOT II	6.7	5.3	6.0	5.3	5.8
PST-23C	7.0	4.3	6.0	6.0	5.8
TROUBADOUR	6.0	4.3	7.0	6.0	5.8
856	6.0	4.2	6.7	6.3	5.8
ACHIEVER (PICK 1800)	7.0	5.2	6.3	4.7	5.8
CITATION II	6.3	4.2	7.0	5.7	5.8
EEG 358	7.0	4.8	5.7	5.7	5.8
MULLIGAN (NK 89001)	6.0	4.2	7.3	5.7	5.8
OVATION	6.3	3.8	6.3	6.7	5.8
PR 9109	6.3	4.8	6.3	5.7	5.8
STALLION	6.0	4.2	6.7	6.3	5.8
TORONTO	6.0	3.8	7.0	6.3	5.8
TARGET	6.7	4.7	6.0	5.7	5.8
C-21	6.3	4.7	7.0	5.0	5.8
DANARO	6.3	4.3	6.3	6.0	5.8
DUET	5.7	4.3	6.3	6.7	5.8
TAYA	6.3	5.2	5.7	5.7	5.7
GOALIE	7.0	4.5	6.0	5.3	5.7
BAR LP 852	6.3	4.0	6.7	5.7	5.7
MOM LP 3182	6.5	3.8	7.0	5.3	5.7
DANILO	6.3	4.2	6.3	5.7	5.6
METEOR	6.3	4.2	6.7	5.3	5.6
LORETTA	6.0	4.8	6.3	5.3	5.6
REGAL	6.0	4.0	6.7	5.7	5.6
RIVIERA	6.0	4.7	6.7	5.0	5.6
CARTEL	6.0	3.8	7.0	5.3	5.5
MOM LP 3111	6.0	3.7	6.3	6.0	5.5
MOM LP 3179	6.0	3.7	7.0	5.3	5.5
PENNFINE	5.7	3.2	6.3	5.7	5.2
LINN	5.0	1.8	6.7	5.7	4.8
LSD VALUE	0.6	1.0	1.6	1.4	0.6

1/ SPRING DENSITY RATED AT "OH1" & "ON1" IN 1991, AT "MD1" IN 1992 AND AT "NJ3" IN 1991 & 1992.

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).



TABLE 12. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/				
	ID2	ID3	NJ1	NJ3	MEAN
PRIZM (ZPS-28D)	7.3	7.3	8.7	5.8	7.3
STALLION SELECT (PS-105)	8.0	7.0	7.7	5.5	7.0
BRIGHTSTAR (PST-GH-89)	8.0	6.0	8.7	5.5	7.0
AFFINITY (GEN-90)	7.3	7.0	7.7	5.8	7.0
QUICKSTART (PST-2FQR)	7.0	6.7	8.3	5.7	6.9
RIVIERA II (PICK DKM)	7.0	7.0	7.3	6.2	6.9
ZPS-2EZ	9.0	6.3	6.3	5.8	6.9
PRELUDE II (2P2-90)	7.7	6.7	7.0	6.0	6.8
SR 4200	6.3	6.7	8.0	6.2	6.8
ASSURE	7.7	6.3	7.0	6.0	6.8
89-666	7.7	6.3	7.3	5.5	6.7
PRECISION (MOM LP 3147)	7.3	6.3	7.0	6.2	6.7
WIND STAR (PST-28M)	7.0	7.3	6.7	5.8	6.7
ENVY	8.0	7.7	5.7	5.3	6.7
CUTTER (PICK 89-4)	7.3	6.0	7.0	6.2	6.6
ADVENT	6.7	6.0	7.7	6.0	6.6
APM	7.0	6.0	7.7	5.7	6.6
REPELL II (LDRD)	6.7	6.0	7.7	6.0	6.6
YORKTOWN III (IDRF)	7.0	6.7	7.0	5.7	6.6
LYNX (PICK EEC)	7.0	6.3	7.3	5.7	6.6
NIGHTHAWK (WVPB-89-PR-A-3)	6.3	7.0	6.7	6.2	6.5
PST-290	6.7	6.7	7.0	5.7	6.5
PINNACLE	6.7	5.3	7.7	6.2	6.5
PST-23C	.	6.7	7.0	5.5	6.4
PALMER II (P89)	6.3	6.7	7.0	5.5	6.4
DANDY	6.3	6.7	6.7	5.7	6.3
GETTYSBURG	5.7	6.0	8.0	5.7	6.3
ACCOLADE	6.3	6.7	6.3	6.0	6.3
BUCCANEER (KOOS 90-1)	6.3	6.7	7.0	5.3	6.3
DELAWARE DWARF (4DD)	7.0	7.0	6.0	5.3	6.3
MORNING STAR (SYN-P)	5.3	6.0	8.0	6.0	6.3
PASSPORT (PST-2FF)	6.7	6.0	7.3	5.3	6.3
PENNANT	6.7	6.7	6.0	5.8	6.3
SATURN	6.3	7.3	5.7	5.8	6.3
TARGET	7.0	7.0	6.3	4.8	6.3
EXPRESS	6.7	5.7	7.0	5.7	6.3
MANHATTAN II (E)	6.3	7.0	6.3	5.2	6.2
LEGACY	6.0	6.0	7.0	5.7	6.2
STATESMAN (WVPB-88-PR-D-12)	6.7	6.7	5.7	5.7	6.2
PLEASURE	7.0	6.3	6.0	5.3	6.2
ELEGANCE (OFI-F7)	6.0	6.7	6.7	5.2	6.1
SEVILLE	6.7	6.0	6.7	5.2	6.1
GREENLAND (PICK 9100)	7.7	5.3	5.3	6.2	6.1
PR 9119	6.7	6.7	5.7	5.5	6.1
SHERWOOD	6.7	6.7	5.3	5.8	6.1

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY				
	ID2	ID3	NJ1	NJ3	MEAN
EQUAL	6.0	6.3	6.3	5.8	6.1
CHARGER	6.7	7.0	5.0	5.7	6.1
NAVAJO (PST-2DPR)	6.7	7.0	4.7	6.0	6.1
ACHIEVER (PICK 1800)	5.7	5.7	6.7	6.2	6.0
DIMENSION (2H7)	6.7	6.3	5.3	5.8	6.0
FIESTA II	7.7	7.0	3.7	5.7	6.0
PS 89-90 (MVF 89-90)	7.0	7.0	4.3	5.7	6.0
PST-2ROR	6.7	7.7	4.3	5.3	6.0
TOPEKA (WVPB-88-PR-D-10)	6.3	6.0	6.0	5.7	6.0
GATOR	7.3	6.3	4.0	6.2	6.0
LOWGROW (PICK 89LLG)	7.7	7.0	3.3	5.8	6.0
PRONTO (WVPB-89-87A)	6.3	5.7	6.0	5.7	5.9
PST-2OG	8.3	6.3	4.3	4.7	5.9
PREMIER	6.0	5.7	6.0	5.8	5.9
ELITE (WVFB-88-PR-C-23)	7.0	7.3	4.0	5.0	5.8
PR 9118	6.3	7.0	5.0	5.0	5.8
COMMANDER	7.0	5.7	5.0	5.5	5.8
COMPETITOR	7.0	7.0	3.3	5.7	5.8
CALYPSO	7.0	5.7	5.0	5.2	5.7
REPELL	7.0	6.7	3.7	5.5	5.7
240 (PEBBLE BEACH)	7.0	7.3	2.7	5.7	5.7
KOOS 90-2	7.0	5.7	5.0	5.0	5.7
RIVIERA	6.3	5.7	5.7	5.0	5.7
UNKNOWN	6.7	6.0	4.3	5.7	5.7
ESSENCE (PR 8820)	7.3	6.3	3.7	5.3	5.7
SHINING STAR (PST-2B3)	5.7	6.3	5.3	5.2	5.6
PATRIOT II	8.0	5.7	3.3	5.3	5.6
CALIENTE	7.0	6.0	4.0	5.2	5.5
COWBOY II (WM-II)	7.0	6.7	3.3	5.0	5.5
DANARO	7.0	7.3	2.0	5.7	5.5
LINDSAY	6.3	7.0	3.3	5.3	5.5
CLP 144	6.5	8.0	2.7	4.7	5.5
CHARISMA (WVPB 89-92)	7.3	6.7	3.0	4.8	5.5
HE 311	7.0	7.0	2.0	5.8	5.5
EEG 358	6.3	7.3	2.3	5.5	5.4
NEWLINN (N-33)	5.3	6.3	4.3	5.5	5.4
PR 9108	6.3	6.0	4.0	5.2	5.4
PR 9121	6.3	5.0	4.7	5.5	5.4
RODEO II	6.0	6.0	4.7	4.8	5.4
BAR LP 086FL	7.0	6.7	2.3	5.2	5.3
C-21	5.7	6.3	3.3	5.8	5.3
MULLIGAN (NK 89001)	5.7	5.7	5.0	4.8	5.3
PR 9109	6.7	6.0	3.7	4.8	5.3
856	6.3	7.0	2.7	5.2	5.3
PENNFINE	6.7	5.7	4.0	4.7	5.3

TABLE 12. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY					
NAME	ID2	ID3	NJ1	NJ3	MEAN
CORSAIR (MVF 89-88)	6.0	6.0	3.7	5.3	5.3
MOM LP 3184	5.7	6.7	3.3	5.3	5.3
CUTLESS	6.7	6.3	2.7	5.2	5.2
DERBY SUPREME	6.0	5.3	3.7	5.8	5.2
REGAL	6.0	6.0	3.7	5.2	5.2
BARRAGE	6.0	6.7	3.0	5.0	5.2
BARRAGE ++	5.5	6.0	4.0	5.2	5.2
DUET	6.3	6.0	3.0	5.3	5.2
BAR LP 852	6.7	6.3	3.0	4.5	5.1
LORETTA	6.3	6.7	2.3	5.2	5.1
MOM LP 3182	7.0	6.0	2.7	4.7	5.1
NOMAD	6.0	6.3	3.0	5.0	5.1
STALLION	5.0	6.0	3.7	5.7	5.1
TROUBADOUR	7.0	7.0	1.7	4.7	5.1
ALLEGRO	6.0	7.0	2.3	4.8	5.0
EVENING SHADE (POLY-SH)	5.7	6.7	3.0	4.8	5.0
OVATION	6.3	6.7	2.3	4.8	5.0
BOARDWALK (OFI-D4)	5.3	7.0	3.0	4.8	5.0
DANILO	6.7	7.3	1.3	4.7	5.0
TAYA	6.7	6.0	2.3	4.7	4.9
CITATION II	5.0	6.3	3.3	5.0	4.9
CLP 39	6.7	6.3	1.7	4.8	4.9
ENTRAR	7.0	5.7	2.0	4.8	4.9
GOALIE	6.0	7.0	2.0	4.5	4.9
TORONTO	5.7	5.7	3.0	5.0	4.8
MOM LP 3185	6.3	5.7	2.7	4.3	4.8
CAPRI (ZW 42-176)	6.0	6.0	2.3	4.5	4.7
SURPRISE	6.3	6.7	1.0	4.8	4.7
MOM LP 3111	6.7	5.7	1.3	4.2	4.5
MOM LP 3179	5.7	5.7	2.0	4.3	4.4
METEOR	6.0	6.3	1.3	4.0	4.4
CARTEL	6.0	6.0	1.0	3.7	4.2
LINN	3.0	5.0	1.3	2.7	3.0
LSD VALUE	1.7	1.3	1.8	0.9	0.6

1/ SUMMER DENSITY RATED AT "NJ1" IN 1991, AT "ID2" & "ID3" IN 1992 AND AT "NJ3" IN 1991 & 1992.

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).

TABLE 13. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	NJ3
AFFINITY (GEN-90)	6.8
RIVIERA II (PICK DKM)	6.8
PALMER II (P89)	6.5
WIND STAR (PST-28M)	6.5
ASSURE	6.3
HE 311	6.2
PRELUDE II (2P2-90)	6.2
REPELL II (LDRD)	6.2
BRIGHTSTAR (EST-GH-89)	6.0
COMPETITOR	6.0
CUTTER (PICK 89-4)	6.0
DIMENSION (2H7)	6.0
GETTYSBURG	6.0
MORNING STAR (SYN-P)	6.0
PASSPORT (PST-2FF)	6.0
PST-290	6.0
QUICKSTART (EST-2FQR)	6.0
SATURN	6.0
YORKTOWN III (LDRF)	6.0
ACHIEVER (PICK 1800)	5.8
DANDY	5.8
EQUAL	5.8
GREENLAND (PICK 9100)	5.8
LEGACY	5.8
PINNACLE	5.8
PRIZM (ZPS-28D)	5.8
SEVILLE	5.8
SHERWOOD	5.8
STALLION SELECT (PS-105)	5.8
89-666	5.7
BUCCANEER (KOOS 90-1)	5.7
CHARGER	5.7
ENVY	5.7
EXPRESS	5.7
NIGHTHAWK (WVPB-89-PR-A-3)	5.7
TARGET	5.7
ZPS-2EZ	5.7
APM	5.5
CHARISMA (WVEB 89-92)	5.5
LOWGROW (PICK 89LLG)	5.5
LYNX (PICK EEC)	5.5
NAVAJO (PST-2DPR)	5.5
PR 9121	5.5
REPELL	5.5
SR 4200	5.5

FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NJ3
STATESMAN (WVPB-88-PR-D-12)	5.5
ACCOLADE	5.3
ADVENT	5.3
DERBY SUPREME	5.3
ELEGANCE (OFI-F7)	5.3
NEWLINN (N-33)	5.3
PS 89-90 (MVF 89-90)	5.3
PST-2ROR	5.3
REGAL	5.3
RODEO II	5.3
SHINING STAR (PST-2B3)	5.3
STALLION	5.3
UNKNOWN	5.3
240 (PEBBLE BEACH)	5.2
COMMANDER	5.2
CORSAIR (MVF 89-88)	5.2
COWBOY II (WM-II)	5.2
DELAWARE DWARF (4DD)	5.2
ELITE (WVPB-88-PR-C-23)	5.2
KOOS 90-2	5.2
MANHATTAN II (E)	5.2
PENNANT	5.2
PLEASURE	5.2
PR 9119	5.2
PRECISION (MOM LP 3147)	5.2
PST-23C	5.2
PST-20G	5.2
ALLEGRO	5.0
CALIENTE	5.0
DUET	5.0
EVENING SHADE (POLY-SH)	5.0
LINDSAY	5.0
NOMAD	5.0
PATRIOT II	5.0
PRONTO (WVPB-89-87A)	5.0
RIVIERA	5.0
TOPEKA (WVPB-88-PR-D-10)	5.0
BARRAGE ++	4.8
BOARDWALK (OFI-D4)	4.8
CAPRI (ZW 42-176)	4.8
CITATION II	4.8
DANILO	4.8
ESSENCE (PR 8820)	4.8
GATOR	4.8
MOM LP 3184	4.8

TABLE 13. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NJ3
MULLIGAN (NK 89001)	4.8
PR 9108	4.8
PR 9118	4.8
856	4.7
CALYPSO	4.7
CLP 39	4.7
CUTLESS	4.7
EEG 358	4.7
FIESTA II	4.7
MCM LP 3111	4.7
PENNFINE	4.7
PR 9109	4.7
PREMIER	4.7
SURPRISE	4.7
TAYA	4.7
BAR LP 852	4.5
MCM LP 3182	4.5
MCM LP 3185	4.5
OVATION	4.5
TROUBADOUR	4.5
BAR LP 086FL	4.3
BARRAGE	4.3
CLP 144	4.3
DANARO	4.3
C-21	4.2
LORETTA	4.2
MCM LP 3179	4.2
TORONTO	4.2
ENFRAR	4.0
GOALIE	3.8
CARTEL	3.7
METEOR	3.0
LINN	1.7
LSD VALUE	1.1

1/ FALL DENSITY RATED IN 1991 AND 1992.

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).

TABLE 14. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/									
NAME	ID3	ON1	RI1	MEAN	NAME	ID3	ON1	RI1	MEAN
MOM LP 3185	86.7	70.0	68.3	75.0	SATURN	90.0	60.0	55.0	68.3
CLP 39	93.3	70.0	60.0	74.4	ADVENT	86.7	60.0	56.7	67.8
89-666	90.0	66.7	63.3	73.3	AFFINITY (GEN-90)	81.7	60.0	61.7	67.8
CALIENTE	88.3	66.7	63.3	72.8	BAR LP 086FL	85.0	60.0	58.3	67.8
ENTRAR	91.7	66.7	60.0	72.8	DANDY	85.0	60.0	58.3	67.8
SEVILLE	86.7	70.0	61.7	72.8	METEOR	88.3	56.7	58.3	67.8
DERBY SUPREME	86.7	66.7	63.3	72.2	DANARO	88.3	60.0	55.0	67.8
EXPRESS	90.0	66.7	60.0	72.2	MOM LP 3111	90.0	56.7	56.7	67.8
CALYPSO	83.3	65.0	68.3	72.2	CAPRI (ZW 42-176)	80.0	63.3	58.3	67.2
ELITE (WVPB-88-PR-C-23)	88.3	70.0	58.3	72.2	CITATION II	81.7	63.3	56.7	67.2
856	94.7	63.3	58.3	72.1	COWBOY II (WM-II)	88.3	56.7	56.7	67.2
COMMANDER	88.3	66.7	60.0	71.7	PASSPORT (PST-2FF)	90.0	56.7	55.0	67.2
DELAWARE DWARF (4DD)	95.0	56.7	61.7	71.1	RIVIERA	83.3	63.3	55.0	67.2
DANILO	86.7	60.0	65.0	70.6	CLP 144	95.0	53.3	51.7	66.7
EQUAL	86.7	66.7	58.3	70.6	MOM LP 3179	86.7	53.3	60.0	66.7
SHINING STAR (PST-2B3)	91.7	56.7	63.3	70.6	MORNING STAR (SYN-P)	90.0	53.3	56.7	66.7
TOPEKA (WVPB-88-PR-D-10)	85.0	63.3	63.3	70.6	MULLIGAN (NK 89001)	88.3	53.3	58.3	66.7
ALLEGRO	86.7	70.0	53.3	70.0	NAVAJO (PST-2DPR)	88.3	53.3	58.3	66.7
ACCOLADE	85.0	63.3	61.7	70.0	PINNACLE	81.7	53.3	65.0	66.7
APM	85.0	63.3	61.7	70.0	REGAL	90.0	53.3	56.7	66.7
BARRAGE ++	90.0	63.3	56.7	70.0	REPELL	81.7	56.7	61.7	66.7
OVATION	90.0	56.7	63.3	70.0	TROUBADOUR	90.0	56.7	53.3	66.7
PLEASURE	86.7	63.3	60.0	70.0	CHARISMA (WVPB 89-92)	86.7	56.7	55.0	66.1
STALLION	85.0	60.0	65.0	70.0	ENVY	90.0	53.3	55.0	66.1
UNKNOWN	90.0	56.7	63.3	70.0	GETTYSBURG	90.0	60.0	48.3	66.1
FIESTA II	91.7	60.0	56.7	69.4	PRONTO (WVPB-89-87A)	81.7	63.3	53.3	66.1
LEGACY	86.7	66.7	55.0	69.4	PS 89-90 (MVF 89-90)	80.0	60.0	58.3	66.1
NEWLINN (N-33)	88.3	56.7	63.3	69.4	PST-2ROR	91.7	56.7	50.0	66.1
TORONTO	93.3	60.0	55.0	69.4	ASSURE	75.0	56.7	66.7	66.1
GATOR	86.7	56.7	63.3	68.9	BAR LP 852	78.3	60.0	60.0	66.1
NOMAD	90.0	63.3	53.3	68.9	ESSENCE (PR 8820)	88.3	53.3	56.7	66.1
PRECISION (MOM LP 3147)	81.7	66.7	58.3	68.9	KOOS 90-2	83.3	63.3	51.7	66.1
PREMIER	81.7	60.0	65.0	68.9	240 (PEBBLE BEACH)	85.0	56.7	55.0	65.6
BARRAGE	93.3	66.7	46.7	68.9	LOWGROW (PICK 89LLG)	85.0	60.0	51.7	65.6
PATRIOT II	88.3	56.7	61.7	68.9	NIGHTHAWK (WVPB-89-PR-A-3)	85.0	60.0	51.7	65.6
PENNANT	88.3	56.7	61.7	68.9	PR 9108	91.7	53.3	51.7	65.6
PENNFINE	93.3	56.7	56.7	68.9	PR 9119	85.0	63.3	48.3	65.6
CUTLESS	91.7	56.7	56.7	68.3	PST-290	86.7	56.7	53.3	65.6
EEG 358	91.7	56.7	56.7	68.3	REPELL II (LDRD)	83.3	56.7	56.7	65.6
MANHATTAN II (E)	90.0	56.7	58.3	68.3	SR 4200	90.0	63.3	43.3	65.6
MOM LP 3184	90.0	60.0	55.0	68.3	STATESMAN (WVPB-88-PR-D-12)	86.7	60.0	50.0	65.6
PR 9109	90.0	60.0	55.0	68.3	PALMER II (P89)	85.0	66.7	43.3	65.0
PRIZM (ZPS-28D)	86.7	63.3	55.0	68.3	C-21	83.3	53.3	58.3	65.0
PST-23C	91.7	53.3	60.0	68.3	HE 311	91.7	53.3	50.0	65.0
PST-20G	93.3	63.3	48.3	68.3	STALLION SELECT (PS-105)	85.0	53.3	56.7	65.0

TABLE 14. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS

NAME	ID3	ON1	RI1	MEAN
WIND STAR (PST-28M)	90.0	56.7	48.3	65.0
BOARDWALK (OFI-D4)	90.0	60.0	43.3	64.4
DIMENSION (2H7)	80.0	56.7	56.7	64.4
LINDSAY	91.7	53.3	48.3	64.4
LYNX (PICK EEC)	90.0	53.3	50.0	64.4
PRELUDE II (2P2-90)	86.7	56.7	50.0	64.4
SHERWOOD	83.3	63.3	46.7	64.4
TARGET	91.7	56.7	45.0	64.4
CORSAIR (MVF 89-88)	85.0	53.3	53.3	63.9
BUCCANEER (KOOS 90-1)	88.3	56.7	46.7	63.9
COMPETITOR	85.0	56.7	50.0	63.9
LORETTA	88.3	53.3	50.0	63.9
RIVIERA II (PICK DKM)	90.0	56.7	45.0	63.9
ZPS-2EZ	85.0	56.7	50.0	63.9
BRIGHTSTAR (PST-GH-89)	83.3	66.7	40.0	63.3
CARTEL	90.0	56.7	43.3	63.3
LINN	76.7	53.3	60.0	63.3
PR 9118	85.0	56.7	48.3	63.3
PR 9121	80.0	53.3	56.7	63.3
CHARGER	78.3	56.7	53.3	62.8
MOM LP 3182	83.3	46.7	58.3	62.8
RODEO II	81.7	50.0	56.7	62.8
YORKTOWN III (LDRF)	81.7	56.7	50.0	62.8
DUET	81.7	60.0	45.0	62.2
ELEGANCE (OFI-F7)	76.7	56.7	53.3	62.2
QUICKSTART (PST-2FQR)	83.3	53.3	50.0	62.2
ACHIEVER (PICK 1800)	88.3	46.7	50.0	61.7
GOALIE	90.0	53.3	41.7	61.7
SURPRISE	88.3	56.7	40.0	61.7
TAYA	85.0	56.7	41.7	61.1
EVENING SHADE (POLY-SH)	88.3	56.7	36.7	60.6
CUTTER (PICK 89-4)	85.0	60.0	35.0	60.0
GREENLAND (PICK 9100)	78.3	56.7	43.3	59.4
LSD VALUE	9.6	16.0	14.0	7.8

1/ PERCENT LIVING GROUND COVER (SPRING) RATED AT "ON1" & "RI1" IN 1991 AND AT "ID3" IN 1993.

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).

TABLE 15. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/									
NAME	ID2	ID3	WA3	MEAN	NAME	ID2	ID3	WA3	MEAN
UNKNOWN	93.3	92.2	.	92.8	PR 9121	93.3	97.0	61.7	84.0
DANILO	99.0	96.3	73.3	89.6	ENTRAR	97.7	94.0	60.0	83.9
ELITE (WVPB-88-PR-C-23)	94.7	96.8	74.2	88.6	STATESMAN (WVPB-88-PR-D-12)	95.0	95.7	60.8	83.8
CLP 39	97.7	96.2	71.7	88.5	SHINING STAR (PST-2B3)	93.0	98.3	60.0	83.8
SHERWOOD	96.3	97.0	71.7	88.3	TOPEKA (WVPB-88-PR-D-10)	96.3	88.2	66.7	83.7
CUTLESS	97.7	95.5	71.7	88.3	NAVAJO (PST-2DPR)	96.3	96.2	58.3	83.6
AFFINITY (GEN-90)	94.7	96.0	73.3	88.0	PST-2OG	93.3	93.2	64.2	83.6
CHARGER	91.7	94.8	77.5	88.0	LYNX (PICK EEC)	91.3	86.7	72.5	83.5
LINDSAY	96.0	97.5	70.0	87.8	ENVY	94.7	93.8	61.7	83.4
NOMAD	94.3	97.0	71.7	87.7	PINNACLE	91.7	91.7	66.7	83.3
PS 89-90 (MVF 89-90)	97.7	97.0	68.3	87.7	PRONTO (WVPB-89-87A)	93.3	94.8	61.7	83.3
PENNFINE	85.0	89.8	.	87.4	BOARDWALK (OFI-D4)	96.3	93.3	60.0	83.2
FIESTA II	93.0	95.5	73.3	87.3	CALIENFE	91.3	93.8	64.2	83.1
TAYA	94.7	96.3	70.8	87.3	EQUAL	95.0	90.8	63.3	83.1
TROUBADOUR	97.7	97.0	66.7	87.1	MANHATTAN II (E)	96.0	94.0	59.2	83.1
SATURN	93.3	97.7	70.0	87.0	SURPRISE	96.3	94.5	58.3	83.1
NIGHTHAWK (WVPB-89-PR-A-3)	96.0	96.8	67.5	86.8	MOM LP 3185	95.0	95.7	58.3	83.0
ACCOLADE	96.3	97.7	65.0	86.3	MOM LP 3179	94.7	92.5	61.7	82.9
LORETTA	99.0	97.7	61.7	86.1	EXPRESS	93.3	90.0	65.0	82.8
CALYPSO	95.0	95.3	67.5	85.9	DIMENSION (2H7)	89.7	93.5	65.0	82.7
PST-290	89.7	97.0	70.8	85.8	BRIGHTSTAR (PST-GH-89)	92.5	94.0	61.7	82.7
CORSAIR (MVF 89-88)	97.7	96.3	63.3	85.8	MOM LP 3182	93.0	93.2	61.7	82.6
CHARISMA (WVPB 89-92)	90.0	97.0	70.0	85.7	COMMANDER	93.0	88.0	66.7	82.6
REPELL	95.0	97.7	64.2	85.6	ESSENCE (PR 8820)	85.0	95.5	66.7	82.4
OVATION	96.3	96.8	63.3	85.5	PASSPORT (PST-2FF)	93.0	90.0	64.2	82.4
DANDY	96.3	94.2	65.8	85.4	TARGET	88.3	96.8	61.7	82.3
PST-2FOR	97.7	90.8	67.5	85.3	RODEO II	91.7	93.3	61.7	82.2
TORONTO	94.7	93.7	67.5	85.3	EEG 358	89.7	98.3	58.3	82.1
SEVILLE	95.0	92.2	68.3	85.2	MOM LP 3184	91.7	94.7	60.0	82.1
89-666	96.3	95.5	63.3	85.1	RIVIERA	93.3	94.7	58.3	82.1
YORKTOWN III (LDRF)	91.7	89.2	74.2	85.0	BARRAGE ++	96.0	95.3	55.0	82.1
BARRAGE	96.3	96.8	61.7	84.9	NEWLINN (N-33)	95.0	96.3	55.0	82.1
GATOR	89.7	97.7	66.7	84.7	RIVIERA II (PICK DKM)	91.3	93.0	61.7	82.0
KOOS 90-2	91.7	95.7	66.7	84.7	PREMIER	93.3	94.0	58.3	81.9
APM	93.0	87.5	73.3	84.6	ZPS-2EZ	96.3	94.0	55.0	81.8
PATRIOT II	99.0	94.7	60.0	84.6	PR 9118	88.0	95.5	61.7	81.7
ALLEGRO	88.0	93.8	71.7	84.5	HE 311	86.7	93.3	65.0	81.7
METEOR	94.7	97.0	61.7	84.4	SR 4200	83.3	93.3	68.3	81.7
PRELUDE II (2P2-90)	97.7	89.8	65.8	84.4	PR 9119	89.7	96.3	58.3	81.4
MORNING STAR (SYN-P)	93.3	93.2	66.7	84.4	DANARO	94.7	97.0	52.5	81.4
856	94.7	94.8	63.3	84.3	DERBY SUPREME	91.7	94.0	58.3	81.3
ASSURE	94.7	95.5	62.5	84.2	STALLION	86.7	94.0	63.3	81.3
CITATION II	96.3	97.0	59.2	84.2	DELAWARE DWARF (4DD)	94.7	93.7	55.0	81.1
BAR LP 086FL	93.0	90.8	68.3	84.1	WIND STAR (PST-28M)	93.3	93.2	56.7	81.1
PENNANT	88.3	95.5	68.3	84.1	GREENIAND (PICK 9100)	94.7	95.0	53.3	81.0

TABLE 15. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS

NAME	ID2	ID3	WA3	MEAN
240 (PEBBLE BEACH)	91.7	97.5	53.3	80.8
MOM LP 3111	95.0	94.2	53.3	80.8
STALLION SELECT (PS-105)	93.0	91.2	58.3	80.8
COMPETITOR	94.7	91.2	56.7	80.8
REPELL II (LDRD)	96.3	88.0	57.5	80.6
ACHIEVER (PICK 1800)	93.3	88.3	60.0	80.6
CARTEL	81.7	91.5	68.3	80.5
CLP 144	92.5	97.7	50.8	80.3
ADVENT	93.3	90.7	56.7	80.2
CUTTER (PICK 89-4)	91.3	87.5	61.7	80.2
BUCCANEER (KOOS 90-1)	93.3	92.5	54.2	80.0
PRIZM (ZPS-28D)	91.7	82.3	65.8	79.9
LOWGROW (PICK 89LLG)	89.3	95.3	55.0	79.9
PLEASURE	91.7	89.2	58.3	79.7
GETTYSBURG	93.3	91.7	53.3	79.4
DUET	93.0	93.2	51.7	79.3
LEGACY	86.7	96.2	55.0	79.3
PR 9108	90.0	90.7	56.7	79.1
C-21	90.0	92.2	55.0	79.1
MULLIGAN (NK 89001)	85.0	92.5	59.2	78.9
REGAL	95.0	96.8	43.3	78.4
PRECISION (MOM LP 3147)	85.0	94.8	55.0	78.3
CAPRI (ZW 42-176)	88.3	91.5	54.2	78.0
GOALIE	93.3	93.2	46.7	77.7
PALMER II (P89)	88.3	90.8	53.3	77.5
EVENING SHADE (POLY-SH)	91.7	94.7	45.0	77.1
PR 9109	93.0	90.0	47.5	76.8
PST-23C	.	89.2	64.2	76.7
COWBOY II (WM-II)	83.0	94.8	51.7	76.5
ELEGANCE (OFI-F7)	91.7	90.8	46.7	76.4
LINN	93.3	78.2	54.2	75.2
QUICKSTART (PST-2FQR)	86.7	94.8	43.3	74.9
BAR LP 852	91.3	85.0	45.8	74.1
LSD VALUE	10.5	6.7	15.1	7.0

1/ PERCENT LIVING GROUND COVER (SUMMER) RATED AT "ID2" IN 1992, AT "ID3" IN 1991 & 1992 AND AT "WA3" IN 1992 & 1993.

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).



TABLE 16. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/									
NAME	ID2	NJ1	WA3	MEAN	NAME	ID2	NJ1	WA3	MEAN
AFFINITY (GEN-90)	95.7	92.7	76.7	88.3	TARGET	93.0	89.3	53.3	78.6
ADVENT	94.7	94.7	75.0	88.1	CUTTER (PICK 89-4)	90.5	94.7	50.0	78.4
UNKNOWN	96.2	80.0	.	88.1	DIMENSION (2H7)	91.0	86.7	56.7	78.1
LYNX (PICK EEC)	91.3	97.0	66.7	85.0	RODEO II	92.5	81.7	60.0	78.1
SR 4200	83.3	98.3	73.3	85.0	PALMER II (P89)	88.3	92.0	53.3	77.9
STALLION SELECT (PS-105)	94.5	96.3	63.3	84.7	ELITE (WVPB-88-PR-C-23)	96.8	66.3	70.0	77.7
89-666	98.3	88.3	66.7	84.4	CALYPSO	94.7	88.3	50.0	77.7
ACHIEVER (PICK 1800)	93.2	93.0	66.7	84.3	NEWLINN (N-33)	97.0	80.0	53.3	76.8
YORKTOWN III (LDRF)	94.8	91.0	66.7	84.2	STALLION	85.0	83.3	61.7	76.7
BRIGHTSTAR (PST-GH-89)	94.0	94.7	63.3	84.0	GREENLAND (PICK 9100)	94.7	78.3	56.7	76.6
PST-290	87.5	95.7	68.3	83.8	PLEASURE	94.5	76.7	58.3	76.5
EQUAL	96.2	90.0	65.0	83.7	NOMAD	95.2	73.3	60.0	76.2
ACCOLADE	96.8	94.3	60.0	83.7	REPELL	96.8	81.7	50.0	76.2
PASSPORT (PST-2FF)	93.0	94.3	63.3	83.6	BUCCANEER (KOOS 90-1)	94.7	83.3	50.0	76.0
PINNACLE	91.5	95.0	63.3	83.3	LEGACY	90.8	93.3	43.3	75.8
QUICKSTART (PST-2FQR)	89.7	92.3	66.7	82.9	PST-2ROR	97.0	70.0	60.0	75.7
TOPEKA (WVPB-88-PR-D-10)	97.7	82.7	68.3	82.9	PRONTO (WVPB-89-87A)	93.3	76.7	56.7	75.6
MANHATTAN II (E)	96.2	94.3	56.7	82.4	BARRAGE ++	97.3	63.3	65.0	75.2
DELAWARE DWARF (4DD)	97.0	90.0	60.0	82.3	CORSAIR (MVF 89-88)	97.0	71.7	56.7	75.1
ENVY	95.3	89.7	61.7	82.2	PRECISION (MOM LP 3147)	80.7	97.3	46.7	74.9
WIND STAR (PST-28M)	94.8	81.7	70.0	82.2	DERBY SUPREME	90.7	68.3	65.0	74.7
SEVILLE	96.3	86.7	63.3	82.1	MOM LP 3184	97.0	81.7	45.0	74.6
EXPRESS	93.0	93.3	60.0	82.1	REPELL II (LDRD)	94.0	92.7	36.7	74.4
RIVIERA II (PICK DKM)	90.5	94.7	60.0	81.7	EEG 358	90.3	66.7	65.0	74.0
ZPS-2EZ	96.2	94.7	53.3	81.4	LINDSAY	95.3	60.0	66.7	74.0
MORNING STAR (SYN-P)	93.3	93.3	56.7	81.1	PST-23C	.	94.7	53.3	74.0
STATESMAN (WVPB-88-PR-D-12)	93.0	88.3	61.7	81.0	PENNANT	93.0	78.3	50.0	73.8
PRELUDE II (2P2-90)	96.8	96.0	50.0	80.9	LOWGROW (PICK 89LLG)	87.8	66.7	66.7	73.7
NIGHTHAWK (WVPB-89-PR-A-3)	94.3	88.3	60.0	80.9	CITATION II	94.5	61.7	65.0	73.7
C-21	87.5	90.0	65.0	80.8	ELEGANCE (OFI-F7)	90.7	92.7	36.7	73.3
PR 9121	97.7	84.3	60.0	80.7	CUTLESS	97.7	55.0	66.7	73.1
SHERWOOD	96.8	88.3	56.7	80.6	PST-20G	97.7	61.7	60.0	73.1
APM	92.3	85.7	63.3	80.4	PR 9118	86.7	71.7	56.7	71.7
ASSURE	96.2	85.0	60.0	80.4	BOARDWALK (OFI-D4)	93.0	51.7	70.0	71.6
PRIZM (ZPS-28D)	93.8	97.0	50.0	80.3	COMMANDER	92.8	73.3	46.7	70.9
GETTYSBURG	93.0	94.3	53.3	80.2	PR 9109	93.7	75.0	43.3	70.7
CHARGER	91.5	85.0	63.3	79.9	PR 9119	92.8	81.0	36.7	70.2
NAVAJO (PST-2DPR)	94.8	88.3	56.7	79.9	ALLEGRO	90.3	58.3	60.0	69.6
SHINING STAR (PST-2B3)	93.0	90.0	56.7	79.9	CHARISMA (WVPB 89-92)	91.8	53.3	63.3	69.5
RIVIERA	96.2	90.0	53.3	79.8	MULLIGAN (NK 89001)	85.8	68.3	53.3	69.2
FIESTA II	91.5	76.7	70.0	79.4	SATURN	95.7	63.3	48.3	69.1
GATOR	91.0	83.3	63.3	79.2	COWBOY II (WM-II)	83.8	80.0	43.3	69.1
DANDY	97.0	93.3	46.7	79.0	ESSENCE (PR 8820)	88.8	71.7	46.7	69.1
PS 89-90 (MVF 89-90)	96.3	75.0	65.0	78.8	240 (HEBBLE BEACH)	89.7	53.3	63.3	68.8
KOOS 90-2	92.5	80.0	63.3	78.6	PATRIOT II	99.0	60.0	46.7	68.6

TABLE 16. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS				
NAME	ID2	NJ1	WA3	MEAN
PR 9108	90.5	51.7	63.3	68.5
COMPETITOR	95.5	68.3	41.7	68.5
TORONTO	95.5	53.3	55.0	67.9
856	94.0	51.7	56.7	67.4
MOM LP 3185	95.7	63.3	41.7	66.9
CALIENTE	91.8	51.7	56.7	66.7
PREMIER	97.0	48.3	53.3	66.2
MOM LP 3179	95.5	50.0	51.7	65.7
ENTRAR	99.0	35.0	60.0	64.7
BAR LP 852	93.0	56.7	43.3	64.3
MOM LP 3182	87.0	55.0	50.0	64.0
CLP 144	95.8	46.7	48.3	63.6
TAYA	95.5	45.0	50.0	63.5
CAPRI (ZW 42-176)	89.2	43.3	56.7	63.1
BARRAGE	95.5	50.0	43.3	62.9
DUET	93.7	41.7	53.3	62.9
EVENING SHADE (POLY-SH)	89.2	56.7	41.7	62.5
DANILO	99.0	24.0	63.3	62.1
DANARO	96.8	31.7	56.7	61.7
LORETTA	99.0	45.0	40.0	61.3
BAR LP 086FL	93.7	20.0	70.0	61.2
TROUBADOUR	98.3	21.7	60.0	60.0
OVATION	94.7	51.7	33.3	59.9
PENNFINE	85.7	33.3	.	59.5
METEOR	93.8	9.3	73.3	58.8
CLP 39	96.8	15.0	63.3	58.4
SURPRISE	97.7	11.7	63.3	57.6
CARTEL	82.2	13.3	76.7	57.4
HE 311	84.2	35.0	50.0	56.4
MOM LP 3111	97.7	23.3	46.7	55.9
REGAL	96.2	26.7	43.3	55.4
GOALIE	93.7	17.3	36.7	49.2
LINN	98.3	7.3	40.0	48.6
LSD VALUE	8.0	27.1	21.7	9.3

1/ PERCENT LIVING GROUND COVER (SPRING) RATED AT "NJ1" IN 1991, AT "ID2" IN 1991 & 1992 AND AT "WA3" IN 1993.

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).

TABLE 17. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	CO1	OR9	WA3	MEAN
PRELUDE II (2P2-90)	4.7	7.7	6.7	6.3
PALMER II (P89)	4.0	8.0	6.7	6.2
BRIGHTSTAR (PST-GH-89)	4.7	7.3	6.5	6.2
AFFINITY (GEN-90)	4.3	7.3	6.7	6.1
GREENLAND (PICK 9100)	4.3	7.7	6.3	6.1
PST-23C	4.3	7.7	6.3	6.1
RIVIERA II (PICK DKM)	4.3	7.7	6.3	6.1
PRIZM (ZPS-28D)	4.7	7.3	6.2	6.1
REPELL II (LDRD)	4.7	7.3	6.2	6.1
PST-20G	5.0	6.3	6.7	6.0
YORKTOWN III (LDRF)	4.7	7.0	6.2	5.9
MORNING STAR (SYN-P)	4.3	7.0	6.5	5.9
CUTTER (PICK 89-4)	4.3	7.7	5.7	5.9
EVENING SHADE (POLY-SH)	4.0	7.7	6.0	5.9
LYNX (PICK EEC)	3.7	7.7	6.3	5.9
STALLION SELECT (PS-105)	4.7	7.3	5.7	5.9
DIMENSION (2H7)	4.0	7.3	6.3	5.9
NAVAJO (PST-2DPR)	4.0	7.3	6.3	5.9
NIGHTHAWK (WVPB-89-PR-A-3)	4.0	7.0	6.5	5.8
QUICKSTART (PST-2FQR)	4.0	7.3	6.2	5.8
WIND STAR (PST-28M)	4.7	6.7	6.2	5.8
ASSURE	4.3	6.7	6.3	5.8
ELEGANCE (OFI-F7)	4.3	6.7	6.3	5.8
PASSPORT (PST-2FF)	4.0	7.0	6.3	5.8
ACHIEVER (PICK 1800)	3.7	7.3	6.2	5.7
ADVENT	4.0	7.0	6.2	5.7
CITATION II	4.3	6.7	6.2	5.7
SATURN	4.7	6.3	6.2	5.7
SEVILLE	4.3	6.7	6.2	5.7
SHINING STAR (PST-2B3)	4.0	7.0	6.2	5.7
89-666	4.3	6.3	6.3	5.7
CHARGER	4.3	6.7	6.0	5.7
DELAWARE DWARF (4DD)	4.3	7.0	5.7	5.7
ESSENCE (PR 8820)	4.7	6.3	6.0	5.7
LEGACY	4.0	6.7	6.3	5.7
NEWLINN (N-33)	4.3	6.7	6.0	5.7
PLEASURE	4.3	6.7	6.0	5.7
PST-290	4.0	6.7	6.3	5.7
BAR LP 852	4.0	6.7	6.2	5.6
STATESMAN (WVPB-88-PR-D-12)	4.0	6.7	6.2	5.6
APM	4.3	6.3	6.2	5.6
PRONIO (WVPB-89-87A)	4.3	6.7	5.8	5.6
PST-2ROR	5.0	6.0	5.8	5.6
SR 4200	4.3	6.3	6.2	5.6
ZPS-2EZ	4.0	7.0	5.8	5.6

WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

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

NAME	CO1	OR9	WA3	MEAN
GETTYSBURG	4.0	7.0	5.7	5.6
PR 9119	4.7	6.7	5.3	5.6
PENNANT	4.3	6.3	6.0	5.6
PINNACLE	4.3	6.0	6.3	5.6
BUCCANEER (KOOS 90-1)	4.0	6.7	5.8	5.5
DERBY SUPREME	4.0	6.3	6.2	5.5
LINDSAY	4.7	6.0	5.8	5.5
NOMAD	4.0	5.7	6.8	5.5
PR 9121	3.7	7.0	5.8	5.5
PREMIER	5.0	5.7	5.7	5.4
DANDY	4.3	6.0	6.0	5.4
ENVY	4.3	6.0	6.0	5.4
EQUAL	4.0	6.3	6.0	5.4
EXPRESS	4.3	6.3	5.7	5.4
RODEO II	4.3	6.3	5.7	5.4
CHARISMA (WVPB 89-92)	4.3	5.7	6.2	5.4
PATRIOT II	3.7	6.3	6.2	5.4
PS 89-90 (MVF 89-90)	3.7	6.3	6.2	5.4
STALLION	4.0	6.7	5.5	5.4
TARGET	4.3	5.7	6.2	5.4
PR 9108	4.3	6.3	5.5	5.4
PRECISION (MOM LP 3147)	4.3	6.0	5.8	5.4
COMMANDER	4.0	6.3	5.7	5.3
CUTLESS	4.0	5.7	6.3	5.3
LOWGROW (PICK 89LLG)	4.0	6.0	6.0	5.3
TOPEKA (WVPB-88-PR-D-10)	4.0	6.0	6.0	5.3
C-21	4.3	6.0	5.5	5.3
CAPRI (ZW 42-176)	4.0	6.3	5.5	5.3
COMPETITOR	4.0	6.0	5.8	5.3
KOOS 90-2	4.0	6.3	5.5	5.3
PR 9118	4.0	6.0	5.8	5.3
COWBOY II (WM-II)	3.7	6.0	6.0	5.2
MANHATTAN II (E)	4.3	5.3	6.0	5.2
RIVIERA	4.0	6.0	5.7	5.2
CORSAIR (MVF 89-88)	4.0	6.3	5.3	5.2
REGAL	4.0	6.3	5.3	5.2
ACCOLADE	4.0	5.7	5.8	5.2
PR 9109	3.7	6.7	5.2	5.2
ELITE (WVPB-88-PR-C-23)	3.7	6.0	5.7	5.1
SHERWOOD	4.3	5.7	5.3	5.1
HE 311	4.3	4.7	6.2	5.1
MOM LP 3184	4.0	5.7	5.5	5.1
240 (PEBBLE BEACH)	4.0	5.3	5.7	5.0
BARRAGE	3.7	5.3	6.0	5.0
BARRAGE ++	4.0	5.7	5.3	5.0

TABLE 17. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

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

NAME	CO1	OR9	WA3	MEAN
CALYPSO	4.3	5.0	5.7	5.0
GATOR	4.0	5.0	6.0	5.0
UNKNOWN	4.7	5.3	.	5.0
BAR LP 086FL	3.7	5.3	5.8	4.9
BOARDWALK (OFI-D4)	4.0	5.3	5.5	4.9
REPELL	4.0	5.0	5.8	4.9
FIESTA II	4.0	5.3	5.3	4.9
MULLIGAN (NK 89001)	4.3	5.0	5.3	4.9
856	4.0	5.0	5.3	4.8
TAYA	4.0	5.0	5.3	4.8
CALIENTE	4.0	4.7	5.5	4.7
DANARO	4.0	4.7	5.5	4.7
CLP 144	4.0	4.0	6.0	4.7
MOM LP 3185	3.7	5.0	5.3	4.7
DUET	4.0	4.7	5.2	4.6
MOM LP 3111	4.0	4.7	5.2	4.6
ALLEGRO	4.3	4.3	5.2	4.6
DANILO	4.3	4.0	5.5	4.6
ENTRAR	3.7	4.3	5.8	4.6
SURPRISE	4.0	4.3	5.3	4.6
MOM LP 3179	3.3	5.0	5.2	4.5
MOM LP 3182	3.7	5.0	4.8	4.5
METEOR	3.7	4.7	5.0	4.4
TORONTO	3.7	4.7	5.0	4.4
CLP 39	4.3	3.7	5.3	4.4
EEG 358	3.3	4.3	5.7	4.4
LORETTA	4.0	4.0	5.2	4.4
OVATION	4.0	3.7	5.5	4.4
GOALIE	3.7	4.3	5.0	4.3
PENNFINE	4.3	4.3	.	4.3
CARTEL	3.0	4.0	5.7	4.2
TROUBADOUR	3.3	3.7	4.7	3.9
LINN	3.0	4.0	4.5	3.8
LSD VALUE	0.8	1.1	1.3	0.7

1/ WINTER COLOR RATED AT "OR9" IN 1991, AT "CO1" IN 1993 AND AT "WA3" IN 1992 & 1993.

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).

TABLE 18. WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

WINTER KILL RATINGS 1-9; 9=BEST 2/

NAME	OH1	NAME	OH1
PREMIER	6.0	ASSURE	4.7
240 (PEBBLE BEACH)	5.3	BOARDWALK (OFI-D4)	4.7
ACHIEVER (PICK 1800)	5.3	C-21	4.7
BARRAGE	5.3	CALIENTE	4.7
CLP 39	5.3	CHARGER	4.7
EQUAL	5.3	CHARISMA (WVPB 89-92)	4.7
PRONTO (WVPB-89-87A)	5.3	CLP 144	4.7
RIVIERA	5.3	COMMANDER	4.7
WIND STAR (PST-28M)	5.3	CUTTER (PICK 89-4)	4.7
ACCOLADE	5.0	DANILO	4.7
AFFINITY (GEN-90)	5.0	DELAWARE DWARF (4DD)	4.7
ALLEGRO	5.0	DIMENSION (2H7)	4.7
APM	5.0	EEG 358	4.7
BAR LP 852	5.0	ELEGANCE (OFI-F7)	4.7
CALYPSO	5.0	ENTRAR	4.7
CITATION II	5.0	ESSENCE (PR 8820)	4.7
COMPETITOR	5.0	GOALIE	4.7
DERBY SUPREME	5.0	HE 311	4.7
ENVY	5.0	KOOS 90-2	4.7
EVENING SHADE (POLY-SH)	5.0	LEGACY	4.7
EXPRESS	5.0	LINDSAY	4.7
GATOR	5.0	MANHATTAN II (E)	4.7
GREENLAND (PICK 9100)	5.0	MOM LP 3179	4.7
LORETTA	5.0	MOM LP 3182	4.7
MORNING STAR (SYN-P)	5.0	MULLIGAN (NK 89001)	4.7
NIGHTHAWK (WVPB-89-PR-A-3)	5.0	NAVAJO (PST-2DPR)	4.7
NOMAD	5.0	OVATION	4.7
PASSPORT (PST-2FF)	5.0	PENNANT	4.7
PR 9108	5.0	PINNACLE	4.7
PR 9121	5.0	PR 9118	4.7
PRIZM (ZPS-28D)	5.0	PRECISION (MOM LP 3147)	4.7
SATURN	5.0	PRELUDE II (2P2-90)	4.7
SEVILLE	5.0	PS 89-90 (MVF 89-90)	4.7
SHERWOOD	5.0	PST-23C	4.7
SHINING STAR (PST-2B3)	5.0	PST-20G	4.7
SR 4200	5.0	QUICKSTART (PST-2FQR)	4.7
STALLION SELECT (PS-105)	5.0	REGAL	4.7
STATESMAN (WVPB-88-PR-D-12)	5.0	REPELL	4.7
TAYA	5.0	SURPRISE	4.7
TORONTO	5.0	TARGET	4.7
UNKNOWN	5.0	TOPEKA (WVPB-88-PR-D-10)	4.7
YORKTOWN III (LDRF)	5.0	TROUBADOUR	4.7
856	4.7	BAR LP 086FL	4.3
89-666	4.7	BARRAGE ++	4.3
ADVENT	4.7	BUCCANEER (KOOS 90-1)	4.3

TABLE 18. WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

WINTER KILL RATINGS 1-9; 9=BEST

NAME	OH1
CORSAIR (MVF 89-88)	4.3
COWBOY II (WM-II)	4.3
CUTLESS	4.3
DANDY	4.3
ELITE (WVPB-88-PR-C-23)	4.3
FIESTA II	4.3
GETTYSBURG	4.3
LOWGROW (PICK 89LLG)	4.3
MCM LP 3111	4.3
MCM LP 3184	4.3
NEWLINN (N-33)	4.3
PALMER II (P89)	4.3
PENNFINE	4.3
PLEASURE	4.3
PR 9109	4.3
PR 9119	4.3
PST-290	4.3
PST-2ROR	4.3
REPELL II (LDRD)	4.3
RIVIERA II (PICK DKM)	4.3
RODEO II	4.3
STALLION	4.3
ZPS-2EZ	4.3
BRIGHTSTAR (PST-GH-89)	4.0
CAPRI (ZW 42-176)	4.0
LYNX (PICK EEC)	4.0
PATRIOT II	4.0
MCM LP 3185	3.7
CARTEL	3.3
METEOR	3.3
DUET	3.0
LINN	3.0
DANARO	2.7
LSD VALUE	0.9

1/ WINTER KILL RATED IN 1992 ONLY.

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).

TABLE 19. DROUGHT TOLERANCE (WILTING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 2/			
NAME	ON1	NAME	ON1
240 (PEBBLE BEACH)	5.7	DIMENSION (2H7)	5.0
CALYPSO	5.7	ELEGANCE (OFI-F7)	5.0
MOM LP 3179	5.7	ENTRAR	5.0
REPELL	5.7	EXPRESS	5.0
TORONTO	5.7	GATOR	5.0
856	5.3	HE 311	5.0
BARRAGE	5.3	LEGACY	5.0
BUCCANEER (KOOS 90-1)	5.3	LORETTA	5.0
CARTEL	5.3	LOWGROW (PICK 89LLG)	5.0
CHARGER	5.3	MANHATTAN II (E)	5.0
EEG 358	5.3	MOM LP 3111	5.0
EQUAL	5.3	MOM LP 3184	5.0
FIESTA II	5.3	MORNING STAR (SYN-P)	5.0
GOALIE	5.3	NOMAD	5.0
GREENLAND (PICK 9100)	5.3	PALMER II (P89)	5.0
LYNX (PICK EEC)	5.3	PASSPORT (PST-2FF)	5.0
MOM LP 3185	5.3	PENNANT	5.0
NAVAJO (PST-2DPR)	5.3	PR 9108	5.0
PATRIOT II	5.3	PR 9118	5.0
PENNFINE	5.3	PR 9121	5.0
PR 9109	5.3	PRIZM (ZPS-28D)	5.0
PRELUDE II (2P2-90)	5.3	PRONTO (WVPB-89-87A)	5.0
RIVIERA	5.3	REPELL II (LDRD)	5.0
SATURN	5.3	RODEO II	5.0
STALLION SELECT (PS-105)	5.3	SEVILLE	5.0
UNKNOWN	5.3	SR 4200	5.0
YORKTOWN III (LDRF)	5.3	STALLION	5.0
89-666	5.0	SURPRISE	5.0
ADVENT	5.0	TARGET	5.0
ALLEGRO	5.0	TAYA	5.0
APM	5.0	TROUBADOUR	5.0
ASSURE	5.0	ZPS-2EZ	5.0
BAR LP 852	5.0	ACCOLADE	4.7
BRIGHTSTAR (PST-GH-89)	5.0	AFFINITY (GEN-90)	4.7
C-21	5.0	BAR LP 086FL	4.7
CAPRI (ZW 42-176)	5.0	BOARDWALK (OFI-D4)	4.7
CHARISMA (WVPB 89-92)	5.0	CALIENTE	4.7
CITATION II	5.0	CLP 39	4.7
CLP 144	5.0	COMMANDER	4.7
COMPETITOR	5.0	COWBOY II (WM-II)	4.7
CORSAIR (MVF 89-88)	5.0	CUTLESS	4.7
CUTTER (PICK 89-4)	5.0	DELAWARE DWARF (4DD)	4.7
DANARO	5.0	DERBY SUPREME	4.7
DANDY	5.0	DUET	4.7
DANILO	5.0	ELITE (WVPB-88-PR-C-23)	4.7

TABLE 19. DROUGHT TOLERANCE (WILTING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

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

NAME	ON1
EMVY	4.7
ESSENCE (PR 8820)	4.7
GETTYSBURG	4.7
KOOS 90-2	4.7
LINDSAY	4.7
MOM LP 3182	4.7
MULLIGAN (NK 89001)	4.7
NEWLINN (N-33)	4.7
OVATION	4.7
PINNACLE	4.7
PLEASURE	4.7
PR 9119	4.7
PRECISION (MOM LP 3147)	4.7
PREMIER	4.7
PS 89-90 (MVF 89-90)	4.7
PST-23C	4.7
PST-290	4.7
PST-2OG	4.7
PST-2ROR	4.7
QUICKSTART (PST-2FQR)	4.7
REGAL	4.7
RIVIERA II (PICK DKM)	4.7
SHERWOOD	4.7
STATESMAN (WVPB-88-PR-D-12)	4.7
TOPEKA (WVPB-88-PR-D-10)	4.7
ACHIEVER (PICK 1800)	4.3
BARRAGE ++	4.3
EVENING SHADE (POLY-SH)	4.3
LINN	4.3
METEOR	4.3
NIGHTHAWK (WVPB-89-PR-A-3)	4.3
SHINING STAR (PST-2B3)	4.3
WIND STAR (PST-28M)	4.3
LSD VALUE	0.9

1/ DROUGHT TOLERANCE (WILTING) RATED IN 1991 ONLY.

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).



TABLE 20. DROUGHT TOLERANCE (DORMANCY) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	ID2	IL2	MEAN	NAME	ID2	IL2	MEAN
CUTTER (PICK 89-4)	8.0	8.0	8.0	REGAL	7.7	5.3	6.5
89-666	9.0	6.3	7.7	TOPEKA (WVPB-88-PR-D-10)	8.0	5.0	6.5
ACHIEVER (PICK 1800)	8.0	7.3	7.7	COMMANDER	6.7	6.0	6.3
RIVIERA II (PICK DKM)	8.7	6.7	7.7	DERBY SUPREME	7.7	5.0	6.3
SHERWOOD	8.7	6.7	7.7	ELITE (WVPB-88-PR-C-23)	7.7	5.0	6.3
AFFINITY (GEN-90)	8.3	6.7	7.5	ENVY	8.3	4.3	6.3
MORNING STAR (SYN-P)	8.0	7.0	7.5	EQUAL	7.0	5.7	6.3
ADVENT	8.0	6.7	7.3	LOWGROW (PICK 89LLG)	7.7	5.0	6.3
PRIZM (ZPS-28D)	8.0	6.7	7.3	NAVAJO (PST-2DPR)	8.0	4.7	6.3
LYNX (PICK EEC)	8.3	6.0	7.2	RIVIERA	6.7	6.0	6.3
GREENLAND (PICK 9100)	8.7	5.7	7.2	YORKTOWN III (LDRF)	7.7	5.0	6.3
PRECISION (MOM LP 3147)	8.0	6.3	7.2	DIMENSION (2H7)	7.3	5.3	6.3
PST-20G	8.7	5.7	7.2	DUET	7.3	5.3	6.3
BRIGHTSTAR (PST-GH-89)	8.0	6.0	7.0	ELEGANCE (OFI-F7)	7.3	5.3	6.3
PST-23C	.	7.0	7.0	BAR LP 086FL	7.7	4.7	6.2
STALLION SELECT (PS-105)	8.3	5.7	7.0	BARRAGE	8.0	4.3	6.2
BUCCANEER (KOOS 90-1)	7.7	6.0	6.8	CAPRI (ZW 42-176)	6.3	6.0	6.2
DELAWARE DWARF (4DD)	7.0	6.7	6.8	COMPETITOR	8.0	4.3	6.2
FIESTA II	7.0	6.7	6.8	CORSAIR (MVF 89-88)	8.0	4.3	6.2
PASSPORT (PST-2FF)	7.7	6.0	6.8	GOALIE	8.0	4.3	6.2
PREMIER	7.7	6.0	6.8	PATRIOT II	8.7	3.7	6.2
QUICKSTART (PST-2FQR)	8.0	5.7	6.8	REPELL II (LDRD)	7.3	5.0	6.2
WIND STAR (PST-28M)	7.0	6.7	6.8	UNKNOWN	7.3	5.0	6.2
240 (PEBBLE BEACH)	8.7	5.0	6.8	SEVILLE	6.7	5.5	6.1
PLEASURE	7.3	6.3	6.8	CITATION II	7.0	5.0	6.0
PS 89-90 (MVF 89-90)	8.7	5.0	6.8	COWBOY II (WM-II)	6.7	5.3	6.0
MANHATTAN II (E)	7.7	5.7	6.7	EEG 358	8.3	3.7	6.0
NEWLINN (N-33)	7.7	5.7	6.7	ESSENCE (PR 8820)	5.7	6.3	6.0
PST-2ROR	8.3	5.0	6.7	EXPRESS	7.0	5.0	6.0
REPELL	7.7	5.7	6.7	PR 9109	7.3	4.7	6.0
TAYA	7.7	5.7	6.7	SATURN	6.7	5.3	6.0
ZPS-2EZ	8.3	5.0	6.7	SR 4200	7.0	5.0	6.0
APM	7.3	6.0	6.7	DANDY	5.0	6.7	5.8
CALIENTE	8.0	5.3	6.7	MOM LP 3179	7.7	4.0	5.8
CALYPSO	7.3	6.0	6.7	OVATION	6.7	5.0	5.8
GATOR	8.0	5.3	6.7	SHINING STAR (PST-2B3)	6.0	5.7	5.8
KOOS 90-2	7.3	6.0	6.7	MULLIGAN (NK 89001)	6.3	5.3	5.8
NIGHTHAWK (WVPB-89-PR-A-3)	8.7	4.7	6.7	MOM LP 3182	6.7	4.7	5.7
PINNACLE	7.0	6.3	6.7	LORETTA	7.3	4.0	5.7
TARGET	8.0	5.3	6.7	METEOR	7.3	4.0	5.7
PST-290	7.7	5.5	6.6	CHARISMA (WVPB 89-92)	5.7	5.5	5.6
ACCOLADE	8.0	5.0	6.5	BARRAGE ++	6.8	4.3	5.5
ASSURE	7.3	5.7	6.5	ALLEGRO	6.7	4.3	5.5
LINDSAY	7.7	5.3	6.5	CHARGER	6.0	5.0	5.5
PRELUDE II (2P2-90)	7.3	5.7	6.5	HE 311	6.7	4.3	5.5

TABLE 20. DROUGHT TOLERANCE (DORMANCY) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY

NAME	ID2	IL2	MEAN
PRONTO (WVPB-89-87A)	5.3	5.7	5.5
STATESMAN (WVPB-88-PR-D-12)	6.0	5.0	5.5
TORONTO	7.0	4.0	5.5
PR 9119	5.7	5.0	5.3
GETTYSBURG	6.3	4.3	5.3
MOM LP 3111	7.0	3.7	5.3
MOM LP 3184	5.3	5.3	5.3
NOMAD	6.3	4.3	5.3
PENNANT	5.3	5.3	5.3
C-21	5.7	4.7	5.2
CUTLESS	5.7	4.7	5.2
PALMER II (P89)	4.7	5.7	5.2
DANILO	6.0	4.3	5.2
856	5.0	5.0	5.0
CLP 39	7.0	3.0	5.0
ENTRAR	6.7	3.3	5.0
MOM LP 3185	5.3	4.7	5.0
PR 9108	5.3	4.7	5.0
PR 9118	5.7	4.3	5.0
PR 9121	5.3	4.7	5.0
STALLION	5.0	5.0	5.0
LEGACY	4.7	5.0	4.8
LINN	7.0	2.7	4.8
BAR LP 852	6.0	3.5	4.8
RODEO II	5.0	4.5	4.8
BOARDWALK (OFI-D4)	6.0	3.3	4.7
PENNFINE	6.0	3.3	4.7
TROUBADOUR	6.7	2.7	4.7
CARTEL	5.7	3.3	4.5
EVENING SHADE (POLY-SH)	5.7	3.0	4.3
DANARO	5.0	3.0	4.0
SURPRISE	4.7	3.0	3.8
CLP 144	3.0	3.0	3.0
LSD VALUE	2.6	1.6	1.6

1/ DROUGHT TOLERANCE (DORMANCY) RATED AT "IL2" IN 1991 AND AT "ID2" IN 1992.

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).

TABLE 21. DROUGHT TOLERANCE (RECOVERY) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

DROUGHT TOLERANCE (RECOVERY) RATINGS 1-9; 9=COMPLETE RECOVERY 2/

NAME	IL2	NAME	IL2
RIVIERA II (PICK DKM)	6.0	PR 9109	4.2
ACHIEVER (PICK 1800)	5.8	PR 9119	4.2
DELAWARE DWARF (4DD)	5.5	PST-290	4.2
BARRAGE ++	5.3	PST-20G	4.2
ELEGANCE (OFI-F7)	5.3	ASSURE	4.0
CUTTER (PICK 89-4)	5.2	DERBY SUPREME	4.0
EXPRESS	5.2	LORETTA	4.0
GATOR	5.2	PENNFINE	4.0
REGAL	5.2	STALLION	4.0
WIND STAR (PST-28M)	5.2	BARRAGE	3.8
ADVENT	5.0	C-21	3.8
AFFINITY (GEN-90)	4.8	COMPETITOR	3.8
MORNING STAR (SYN-P)	4.8	DUET	3.8
PLEASURE	4.8	EQUAL	3.8
PRIZM (ZPS-28D)	4.8	LEGACY	3.8
TARGET	4.8	NAVAJO (PST-2DPR)	3.8
BUCCANEER (KOOS 90-1)	4.7	NIGHTHAWK (WVFB-89-PR-A-3)	3.8
MOM LP 3184	4.7	PINNACLE	3.8
TAYA	4.7	REPELL II (LDRD)	3.8
UNKNOWN	4.7	SHERWOOD	3.8
GREENLAND (PICK 9100)	4.5	TOPEKA (WVPB-88-PR-D-10)	3.8
KOOS 90-2	4.5	ZPS-2EZ	3.8
NOMAD	4.5	APM	3.7
QUICKSTART (PST-2FQR)	4.5	BRIGHTSTAR (PST-GH-89)	3.7
REPELL	4.5	PR 9108	3.7
SEVILLE	4.5	PR 9118	3.7
ELITE (WVPB-88-PR-C-23)	4.4	PRELUDE II (2P2-90)	3.7
89-666	4.3	PS 89-90 (MVF 89-90)	3.7
CITATION II	4.3	SATURN	3.7
DANDY	4.3	SHINING STAR (PST-2B3)	3.7
PALMER II (P89)	4.3	TROUBADOUR	3.7
PASSPORT (PST-2FF)	4.3	YORKTOWN III (LDRF)	3.7
PRECISION (MCM LP 3147)	4.3	BAR LP 852	3.6
PREMIER	4.3	CUTLESS	3.5
PRONTO (WVPB-89-87A)	4.3	ESSENCE (PR 8820)	3.5
PST-23C	4.3	GETTYSBURG	3.5
RODEO II	4.2	HE 311	3.5
CALIENTE	4.2	LINDSAY	3.5
CALYPSO	4.2	LOWGROW (PICK 89LLG)	3.5
DANILO	4.2	MOM LP 3185	3.5
FIESTA II	4.2	MULLIGAN (NK 89001)	3.5
GOALIE	4.2	PST-2ROR	3.5
LYNX (PICK EEC)	4.2	RIVIERA	3.5
MANHATTAN II (E)	4.2	STALLION SELECT (PS-105)	3.5
OVATION	4.2	856	3.3

TABLE 21. DROUGHT TOLERANCE (RECOVERY) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

DROUGHT TOLERANCE (RECOVERY) RATINGS 1-9; 9=COMPLETE RECOVERY

NAME	IL2
CHARGER	3.3
CLP 144	3.3
COMMANDER	3.3
COWBOY II (WM-II)	3.3
EMVY	3.3
PATRIOT II	3.3
PENNANT	3.3
PR 9121	3.3
CAPRI (ZW 42-176)	3.2
CHARISMA (WVPB 89-92)	3.2
CORSAIR (MVF 89-88)	3.2
SR 4200	3.2
240 (PEBBLE BEACH)	3.0
DIMENSION (2H7)	3.0
EVENING SHADE (POLY-SH)	3.0
MOM LP 3182	3.0
NEWLINN (N-33)	3.0
STATESMAN (WVPB-88-PR-D-12)	3.0
ALLEGRO	2.8
MOM LP 3179	2.8
SURPRISE	2.8
ACCOLADE	2.7
EEG 358	2.7
ENTRAR	2.7
LINN	2.7
METEOR	2.7
TORONTO	2.7
BAR LP 086FL	2.5
CARTEL	2.5
BOARDWALK (OFI-D4)	2.3
CLP 39	2.3
MOM LP 3111	2.2
DANARO	2.0
LSD VALUE	2.4

1/ DROUGHT TOLERANCE (RECOVERY) RATED IN 1991 AND 1993.

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).

TABLE 22. TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	MI1
PST-2ROR	7.7
DANDY	7.3
ENTRAR	7.3
FIESTA II	7.3
TAYA	7.3
BARRAGE	7.0
BARRAGE ++	7.0
CHARISMA (WVEB 89-92)	7.0
LORETTA	7.0
TROUBADOUR	7.0
ALLEGRO	6.7
DANILO	6.7
DIMENSION (2H7)	6.7
LEGACY	6.7
PENNANT	6.7
PLEASURE	6.7
SURPRISE	6.7
UNKNOWN	6.7
EEG 358	6.3
GOALIE	6.3
KOOS 90-2	6.3
MORNING STAR (SYN-P)	6.3
OVATION	6.3
PRONTO (WVPB-89-87A)	6.3
856	6.0
ASSURE	6.0
BOARDWALK (OFI-D4)	6.0
CHARGER	6.0
CITATION II	6.0
CLP 39	6.0
CORSAIR (MVF 89-88)	6.0
EQUAL	6.0
GATOR	6.0
METEOR	6.0
MOM LP 3184	6.0
NAVAJO (PST-2DPR)	6.0
PREMIER	6.0
PS 89-90 (MVF 89-90)	6.0
PST-2OG	6.0
QUICKSTART (EST-2FQR)	6.0
STALLION SELECT (PS-105)	6.0
240 (PEBBLE BEACH)	5.7
BUCCANEER (KOOS 90-1)	5.7
CALIENTE	5.7
COMPETITOR	5.7

TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE

NAME	MI1
ELITE (WVPB-88-PR-C-23)	5.7
ENVY	5.7
EXPRESS	5.7
GETTYSBURG	5.7
HE 311	5.7
LYNX (PICK EEC)	5.7
NIGHTHAWK (WVPB-89-PR-A-3)	5.7
PASSPORT (PST-2FF)	5.7
PENNFINE	5.7
PR 9119	5.7
PRELUDE II (2P2-90)	5.7
PST-23C	5.7
REPELL	5.7
RODEO II	5.7
SR 4200	5.7
STALLION	5.7
89-666	5.3
ACHIEVER (PICK 1800)	5.3
AFFINITY (GEN-90)	5.3
APM	5.3
BAR LP 086FL	5.3
C-21	5.3
CALYPSO	5.3
COMMANDER	5.3
DELAWARE DWARF (4DD)	5.3
DERBY SUPREME	5.3
LINDSAY	5.3
LINN	5.3
LOWGROW (PICK 89LLG)	5.3
MOM LP 3111	5.3
MOM LP 3182	5.3
NEWLINN (N-33)	5.3
NOMAD	5.3
PALMER II (P89)	5.3
PINNACLE	5.3
PR 9108	5.3
PR 9118	5.3
PRECISION (MOM LP 3147)	5.3
PRIZM (ZPS-28D)	5.3
REPELL II (LDRD)	5.3
RIVIERA	5.3
RIVIERA II (PICK DKM)	5.3
TARGET	5.3
TOPEKA (WVPB-88-PR-D-10)	5.3
TORONTO	5.3

TABLE 22. TYPHULA BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE

NAME	MI1
ADVENT	5.0
BAR LP 852	5.0
COWBOY II (WM-II)	5.0
DANARO	5.0
DUET	5.0
ESSENCE (PR 8820)	5.0
GREENLAND (PICK 9100)	5.0
MCM LP 3179	5.0
MULLIGAN (NK 89001)	5.0
SATURN	5.0
SHERWOOD	5.0
SHINING STAR (PST-2B3)	5.0
ACCOLADE	4.7
CLP 144	4.7
CUTLESS	4.7
CUTTER (PICK 89-4)	4.7
EVENING SHADE (POLY-SH)	4.7
PR 9121	4.7
SEVILLE	4.7
WIND STAR (PST-28M)	4.7
YORKTOWN III (LDRF)	4.7
BRIGHTSTAR (PST-GH-89)	4.3
CAPRI (ZW 42-176)	4.3
CARTEL	4.3
PR 9109	4.3
PST-290	4.3
STATESMAN (WVPB-88-PR-D-12)	4.3
ELEGANCE (OFI-F7)	4.0
MCM LP 3185	4.0
ZPS-2EZ	4.0
PATRIOT II	3.7
REGAL	3.7
MANHATTAN II (E)	3.3
LSD VALUE	2.1

1/ TYPHULA BLIGHT RATED IN 1993 ONLY.

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).

TABLE 23. FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	ID3	OR9	MEAN
TAYA	6.5	7.3	6.9
AFFINITY (GEN-90)	6.5	6.7	6.6
SURPRISE	5.5	7.7	6.6
PRONTO (WVPB-89-87A)	6.3	6.7	6.5
REPELL	5.2	7.7	6.4
PREMIER	6.0	6.7	6.3
NAVAJO (PST-2DPR)	5.8	6.3	6.1
DANILO	5.3	6.7	6.0
LEGACY	6.3	5.7	6.0
ME'FEOR	5.7	6.3	6.0
MORNING STAR (SYN-P)	5.3	6.7	6.0
856	6.2	5.7	5.9
BARRAGE	6.5	5.3	5.9
GATOR	6.8	5.0	5.9
EEG 358	6.0	5.7	5.8
REGAL	6.0	5.7	5.8
PST-2ROR	4.3	7.3	5.8
YORKTOWN III (LDRF)	4.3	7.3	5.8
89-666	5.2	6.3	5.8
GREENLAND (PICK 9100)	5.2	6.3	5.8
RIVIERA II (PICK DKM)	5.5	6.0	5.8
TORONTO	5.2	6.3	5.8
BUCCANEER (KOOS 90-1)	4.7	6.7	5.7
CHARISMA (WVPB 89-92)	5.7	5.7	5.7
LINDSAY	5.7	5.7	5.7
WIND STAR (PST-28M)	5.7	5.7	5.7
BARRAGE ++	5.3	6.0	5.7
PRELUDE II (2P2-90)	4.3	7.0	5.7
PS 89-90 (MVF 89-90)	6.0	5.3	5.7
ENTRAR	4.5	6.7	5.6
NEWLINN (N-33)	5.2	6.0	5.6
ACCOLADE	5.8	5.3	5.6
DIMENSION (2H7)	5.8	5.3	5.6
SATURN	5.8	5.3	5.6
STATESMAN (WVPB-88-PR-D-12)	5.8	5.3	5.6
CUTTER (PICK 89-4)	5.3	5.7	5.5
GETTYSBURG	4.3	6.7	5.5
QUICKSTART (PST-2FQR)	4.7	6.3	5.5
SHERWOOD	5.0	6.0	5.5
STALLION	6.0	5.0	5.5
TROUBADOUR	4.7	6.3	5.5
CALYPSO	6.2	4.7	5.4
CLP 144	3.8	7.0	5.4
LOWGROW (PICK 89LLG)	5.2	5.7	5.4
PALMER II (P89)	3.8	7.0	5.4

FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE

NAME	ID3	OR9	MEAN
PR 9119	6.5	4.3	5.4
PST-23C	3.5	7.3	5.4
RIVIERA	5.8	5.0	5.4
DANDY	5.0	5.7	5.3
KOOS 90-2	5.7	5.0	5.3
STALLION SELECT (PS-105)	5.7	5.0	5.3
ELITE (WVPB-88-PR-C-23)	5.3	5.3	5.3
MOM LP 3184	5.3	5.3	5.3
PENNANT	4.3	6.3	5.3
REPELL II (LDRD)	4.3	6.3	5.3
DERBY SUPREME	5.5	5.0	5.3
ENVY	5.2	5.3	5.3
FIESTA II	4.8	5.7	5.3
MULLIGAN (NK 89001)	5.5	5.0	5.3
PLEASURE	5.2	5.3	5.3
PST-290	5.2	5.3	5.3
TOPEKA (WVPB-88-PR-D-10)	5.2	5.3	5.3
COWBOY II (WM-II)	4.7	5.7	5.2
NOMAD	4.7	5.7	5.2
PENNFINE	4.0	6.3	5.2
CLP 39	5.2	5.0	5.1
EQUAL	5.2	5.0	5.1
GOALIE	5.5	4.7	5.1
NIGHTHAWK (WVPB-89-PR-A-3)	5.5	4.7	5.1
PASSPORT (PST-2FF)	4.5	5.7	5.1
PRECISION (MOM LP 3147)	5.2	5.0	5.1
C-21	4.8	5.3	5.1
PR 9121	4.8	5.3	5.1
ACHIEVER (PICK 1800)	4.7	5.3	5.0
CHARGER	5.0	5.0	5.0
DANARO	4.7	5.3	5.0
DELAWARE DWARF (4DD)	5.0	5.0	5.0
LYNX (PICK EEC)	4.3	5.7	5.0
OVATION	5.0	5.0	5.0
UNKNOWN	5.0	5.0	5.0
240 (PEBBLE BEACH)	5.2	4.7	4.9
ADVENT	5.5	4.3	4.9
MOM LP 3182	4.8	5.0	4.9
ALLEGRO	4.7	5.0	4.8
APM	4.7	5.0	4.8
HE 311	4.0	5.7	4.8
MOM LP 3179	4.7	5.0	4.8
MOM LP 3185	4.7	5.0	4.8
PRIZM (ZPS-28D)	5.0	4.7	4.8
SHINING STAR (PST-2B3)	4.7	5.0	4.8

TABLE 23. FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE			
NAME	ID3	OR9	MEAN
EXPRESS	4.3	5.3	4.8
PINNACLE	5.3	4.3	4.8
TARGET	4.3	5.3	4.8
CITATION II	5.2	4.3	4.8
CUTLESS	4.2	5.3	4.8
MANHATTAN II (E)	4.5	5.0	4.8
MOM LP 3111	3.8	5.7	4.8
PR 9108	4.2	5.3	4.8
SEVILLE	4.2	5.3	4.8
SR 4200	4.8	4.7	4.8
LORETTA	6.0	3.3	4.7
RODEO II	5.0	4.3	4.7
ZPS-2EZ	4.0	5.3	4.7
ASSURE	5.2	4.0	4.6
CAPRI (ZW 42-176)	4.5	4.7	4.6
PR 9109	4.5	4.7	4.6
BAR LP 852	4.8	4.3	4.6
CARTEL	3.8	5.3	4.6
COMPETITOR	5.2	3.7	4.4
BOARDWALK (OFI-D4)	5.7	3.0	4.3
CORSAIR (MMF 89-88)	4.7	4.0	4.3
PR 9118	5.7	3.0	4.3
COMMANDER	4.3	4.3	4.3
PATRIOT II	4.3	4.3	4.3
ESSENCE (PR 8820)	5.5	3.0	4.3
CALIENTE	4.7	3.7	4.2
ELEGANCE (OFI-F7)	4.7	3.7	4.2
EVENING SHADE (POLY-SH)	4.7	3.7	4.2
BAR LP 086FL	3.5	4.7	4.1
BRIGHTSTAR (PST-GH-89)	3.3	4.7	4.0
PST-2OG	2.7	5.0	3.8
LINN	3.5	4.0	3.8
DUET	4.5	2.3	3.4
LSD VALUE	2.1	2.4	1.6

- 1/ FUSARIUM PATCH RATED AT "ID3" IN 1991 & 1992 AND AT "OR9" IN 1991.
- 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).



TABLE 24. LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

NAME	LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/			
	NJ2	OR9	UB1	MEAN
CAPRI (ZW 42-176)	8.3	1.7	7.0	5.7
PST-290	8.3	1.0	7.7	5.7
PR 9121	7.7	1.3	7.3	5.4
PST-2RCR	8.0	1.7	6.7	5.4
LEGACY	7.3	1.0	7.7	5.3
PASSPORT (PST-2FF)	7.3	1.0	7.7	5.3
STALLION SELECT (PS-105)	7.0	1.3	7.7	5.3
AFFINITY (GEN-90)	7.7	1.0	7.0	5.2
DANDY	7.0	1.3	7.0	5.1
DIMENSION (2H7)	8.3	1.0	6.0	5.1
PRIZM (ZPS-28D)	6.3	0.7	8.3	5.1
RIVIERA II (PICK DKM)	6.7	1.0	7.7	5.1
TAYA	7.0	1.3	7.0	5.1
89-666	7.0	1.0	7.3	5.1
ALLEGRO	6.3	4.0	5.0	5.1
ASSURE	6.3	1.3	7.7	5.1
MOM LP 3182	3.0	8.7	3.7	5.1
NIGHTHAWK (WVPB-89-PR-A-3)	7.3	1.3	6.7	5.1
PR 9119	7.3	1.7	6.3	5.1
QUICKSTART (PST-2FQR)	7.3	1.0	7.0	5.1
SATURN	8.0	1.0	6.3	5.1
WIND STAR (PST-28M)	6.3	1.3	7.7	5.1
ADVENT	7.0	1.0	7.0	5.0
BUCCANEER (KOOS 90-1)	6.7	1.0	7.3	5.0
COMMANDER	7.7	1.3	6.0	5.0
PRECISION (MOM LP 3147)	8.3	1.0	5.7	5.0
PRONTO (WVPB-89-87A)	7.3	1.0	6.7	5.0
SEVILLE	6.7	1.0	7.3	5.0
EEG 358	5.3	1.7	7.7	4.9
KOOS 90-2	7.7	1.0	6.0	4.9
NAVAJO (PST-2DPR)	6.0	1.0	7.7	4.9
PS 89-90 (MVF 89-90)	8.0	1.3	5.3	4.9
REPELL II (LDRD)	6.0	1.0	7.7	4.9
YORKTOWN III (LDRF)	6.0	1.0	7.7	4.9
GETTYSEURG	6.3	1.0	7.3	4.9
HE 311	6.3	1.3	7.0	4.9
SHERWOOD	7.3	1.0	6.3	4.9
240 (PEBBLE BEACH)	6.3	1.3	6.7	4.8
CUTTER (PICK 89-4)	5.3	1.0	8.0	4.8
DELAWARE DWARF (4DD)	6.3	1.0	7.0	4.8
ELEGANCE (OFI-F7)	7.0	1.0	6.3	4.8
EQUAL	6.3	1.0	7.0	4.8
GATOR	7.0	2.0	5.3	4.8
GREENLAND (PICK 9100)	6.0	1.0	7.3	4.8
MORNING STAR (SYN-P)	5.3	1.3	7.7	4.8

LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

NAME	LEAF SPOT RATINGS 1-9; 9=NO DISEASE			
	NJ2	OR9	UB1	MEAN
NEWLINN (N-33)	7.0	1.0	6.3	4.8
NOMAD	7.0	1.0	6.3	4.8
PALMER II (P89)	5.7	1.0	7.7	4.8
PINNACLE	6.7	1.0	6.7	4.8
PST-2OG	6.0	1.0	7.3	4.8
RODEO II	7.3	1.0	6.0	4.8
SHINING STAR (PST-2B3)	7.0	1.0	6.3	4.8
SR 4200	6.0	1.0	7.3	4.8
TARGET	6.0	1.0	7.3	4.8
BOARDWALK (OFI-D4)	8.0	1.0	5.0	4.7
CHARISMA (WVPB 89-92)	7.3	1.0	5.7	4.7
FIESTA II	7.3	1.3	5.3	4.7
LINDSAY	7.0	2.0	5.0	4.7
MANHATTAN II (E)	6.7	1.3	6.0	4.7
PR 9118	6.7	1.0	6.3	4.7
PST-23C	6.0	1.0	7.0	4.7
UNKNOWN	7.3	1.7	5.0	4.7
856	7.3	1.7	4.7	4.6
APM	6.0	1.0	6.7	4.6
CLP 39	6.0	2.0	5.7	4.6
DERBY SUPREME	7.0	2.3	4.3	4.6
REPELL	6.0	1.7	6.0	4.6
STATESMAN (WVPB-88-PR-D-12)	7.0	1.0	5.7	4.6
ESSENCE (PR 8820)	6.3	1.3	6.0	4.6
LYNX (PICK EEC)	5.0	1.3	7.3	4.6
CALYPSO	6.3	2.0	5.3	4.6
COMPETITOR	6.0	1.5	6.0	4.5
SURPRISE	7.7	1.0	4.7	4.4
CUTLESS	7.0	1.3	5.0	4.4
EXPRESS	5.7	1.0	6.7	4.4
TOPEKA (WVPB-88-PR-D-10)	6.7	1.0	5.7	4.4
BARRAGE ++	6.0	1.0	6.3	4.4
CITATION II	7.0	1.0	5.3	4.4
ELITE (WVPB-88-PR-C-23)	6.3	1.3	5.7	4.4
ENTRAR	6.3	2.0	5.0	4.4
LOWGROW (PICK 89LLG)	5.0	1.3	7.0	4.4
PLEASURE	6.3	1.0	6.0	4.4
PRELUDE II (2P2-90)	5.0	1.0	7.3	4.4
BRIGHTSTAR (PST-GH-89)	4.7	0.7	7.7	4.3
CARTEL	6.7	1.0	5.3	4.3
ENVY	5.7	1.3	6.0	4.3
LORETTA	4.0	4.0	5.0	4.3
PR 9108	7.3	1.3	4.3	4.3
ACCOLADE	5.7	2.0	5.0	4.2
ACHIEVER (PICK 1800)	5.0	1.0	6.7	4.2

TABLE 24. LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE

NAME	NJ2	OR9	UB1	MEAN
CLP 144	4.3	2.0	6.3	4.2
EVENING SHADE (POLY-SH)	4.7	1.0	7.0	4.2
PENNANT	7.0	1.0	4.7	4.2
PR 9109	6.0	1.0	5.7	4.2
PREMIER	5.7	1.7	5.3	4.2
CHARGER	5.7	1.0	5.7	4.1
BAR LP 852	6.3	1.0	5.0	4.1
CORSAIR (MVF 89-88)	6.3	1.3	4.7	4.1
MOM LP 3179	2.3	5.3	4.7	4.1
RIVIERA	5.7	1.3	5.3	4.1
C-21	6.7	1.3	4.0	4.0
PATRIOT II	4.0	1.3	6.7	4.0
STALLION	6.0	1.0	5.0	4.0
ZPS-2EZ	4.7	1.3	6.0	4.0
REGAL	5.0	2.0	4.7	3.9
BARRAGE	5.3	1.0	5.3	3.9
TROUBADOUR	5.3	2.7	3.7	3.9
CALIENTE	4.0	2.3	5.0	3.8
GOALIE	3.3	3.3	4.7	3.8
MOM LP 3111	6.0	3.3	2.0	3.8
MOM LP 3184	5.7	1.0	4.7	3.8
MOM LP 3185	6.0	1.0	4.3	3.8
OVATION	4.3	3.3	3.7	3.8
MULLIGAN (NK 89001)	3.3	2.3	5.0	3.6
METEOR	5.3	2.0	2.7	3.3
PENNFINE	3.7	3.0	3.3	3.3
TORONTO	4.3	2.0	3.7	3.3
BAR LP 086FL	3.3	1.3	5.0	3.2
DANILO	5.0	2.0	2.7	3.2
DUET	3.3	1.7	4.3	3.1
COWBOY II (WM-II)	4.0	1.0	3.7	2.9
LINN	2.3	4.7	1.3	2.8
DANARO	1.7	2.0	3.0	2.2
LSD VALUE	1.5	0.9	1.5	0.8

- 1/ LEAF SPOT RATED AT "OR9" IN 1991 AND AT "NJ2" & "UB1" IN 1992.
- 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).

TABLE 25. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	RI1	VA1	MEAN
PINNACLE	7.7	9.0	8.3
PLEASURE	8.0	8.7	8.3
BAR LP 852	7.7	8.3	8.0
LEGACY	8.0	8.0	8.0
MANHATTAN II (E)	7.7	8.3	8.0
REGAL	7.7	8.3	8.0
MOM LP 3184	7.7	8.0	7.8
ZPS-2EZ	7.3	8.3	7.8
MOM LP 3111	7.0	8.7	7.8
RIVIERA	7.0	8.7	7.8
DANARO	7.0	8.3	7.7
CAPRI (ZW 42-176)	7.3	8.0	7.7
EXPRESS	7.3	8.0	7.7
BUCCANEER (KOOS 90-1)	7.0	8.0	7.5
CALIENTE	7.0	8.0	7.5
DANILO	7.3	7.7	7.5
DELAWARE DWARF (4DD)	7.0	8.0	7.5
EEG 358	6.7	8.3	7.5
GETTYSBURG	6.7	8.3	7.5
MOM LP 3179	7.7	7.3	7.5
PST-2ROR	6.7	8.3	7.5
SHINING STAR (PST-2B3)	7.0	8.0	7.5
89-666	6.7	8.0	7.3
ASSURE	7.0	7.7	7.3
DANDY	7.0	7.7	7.3
LINN	7.0	7.7	7.3
METEOR	7.0	7.7	7.3
PENNANT	7.7	7.0	7.3
PRELUDE II (2P2-90)	6.3	8.3	7.3
PST-23C	6.7	8.0	7.3
TAYA	6.7	8.0	7.3
CUTTER (PICK 89-4)	7.3	7.3	7.3
ENVY	7.3	7.3	7.3
MORNING STAR (SYN-P)	7.3	7.3	7.3
DUET	6.7	7.7	7.2
PRECISION (MOM LP 3147)	6.0	8.3	7.2
240 (PEBBLE BEACH)	7.0	7.3	7.2
856	6.3	8.0	7.2
BAR LP 086FL	7.0	7.3	7.2
LYNX (PICK EEC)	7.0	7.3	7.2
PR 9118	6.3	8.0	7.2
RIVIERA II (PICK DKM)	6.3	8.0	7.2
SEVILLE	7.0	7.3	7.2
ACHIEVER (PICK 1800)	7.0	7.0	7.0
ADVENT	5.7	8.3	7.0

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE

NAME	RI1	VA1	MEAN
CHARISMA (WVPB 89-92)	6.0	8.0	7.0
DERBY SUPREME	5.7	8.3	7.0
KOOS 90-2	7.0	7.0	7.0
MULLIGAN (NK 89001)	6.0	8.0	7.0
PR 9108	6.7	7.3	7.0
PR 9109	5.7	8.3	7.0
PRIZM (ZPS-28D)	6.7	7.3	7.0
PST-290	5.3	8.7	7.0
SR 4200	6.3	7.7	7.0
YORKTOWN III (LDRF)	6.0	8.0	7.0
CUTLESS	6.0	7.7	6.8
EQUAL	5.7	8.0	6.8
MOM LP 3185	6.0	7.7	6.8
PRONTO (WVPB-89-87A)	6.7	7.0	6.8
SHERWOOD	6.7	7.0	6.8
AEM	5.0	8.7	6.8
CARTEL	6.3	7.3	6.8
CHARGER	7.3	6.3	6.8
COMPETITOR	6.3	7.3	6.8
DIMENSION (2H7)	6.3	7.3	6.8
PR 9119	6.3	7.3	6.8
PST-20G	6.3	7.3	6.8
ELEGANCE (OFI-F7)	6.7	6.7	6.7
GREENLAND (PICK 9100)	5.7	7.7	6.7
BRIGHTSTAR (PST-GH-89)	7.3	6.0	6.7
COWBOY II (WM-II)	6.0	7.3	6.7
GATOR	6.0	7.3	6.7
LORETTA	6.0	7.3	6.7
OVATION	6.0	7.3	6.7
PR 9121	5.3	8.0	6.7
PREMIER	6.3	7.0	6.7
WIND STAR (PST-28M)	6.0	7.3	6.7
ALLEGRO	6.0	7.0	6.5
BOARDWALK (OFI-D4)	6.3	6.7	6.5
COMMANDER	6.7	6.3	6.5
MOM LP 3182	5.7	7.3	6.5
NIGHTHAWK (WVPB-89-PR-A-3)	6.7	6.3	6.5
PALMER II (P89)	5.7	7.3	6.5
REPELL II (LDRD)	6.0	7.0	6.5
AFFINITY (GEN-90)	4.7	8.0	6.3
CITATION II	6.7	6.0	6.3
PATRIOT II	7.0	5.7	6.3
SURPRISE	5.7	7.0	6.3
TORONTO	5.0	7.7	6.3
CLP 39	5.3	7.3	6.3

TABLE 25. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE

NAME	RI1	VA1	MEAN
CORSAIR (MVF 89-88)	5.3	7.3	6.3
NOMAD	5.3	7.3	6.3
ESSENCE (PR 8820)	4.0	8.3	6.2
CALYPSO	5.3	7.0	6.2
LINDSAY	5.3	7.0	6.2
PASSPORT (PST-2FF)	5.3	7.0	6.2
STALLION	6.3	6.0	6.2
BARRAGE ++	3.7	8.3	6.0
C-21	4.3	7.7	6.0
ENTRAR	6.0	6.0	6.0
HE 311	4.0	8.0	6.0
PS 89-90 (MVF 89-90)	5.3	6.7	6.0
QUICKSTART (PST-2FQR)	5.7	6.3	6.0
REPELL	4.0	8.0	6.0
STALLION SELECT (PS-105)	4.7	7.3	6.0
STATESMAN (WVPB-88-PR-D-12)	4.7	7.3	6.0
NAVAJO (PST-2DPR)	5.7	6.0	5.8
RODEO II	6.0	5.7	5.8
TARGET	4.7	7.0	5.8
FIESTA II	3.7	8.0	5.8
LOWGROW (PICK 89LLG)	4.3	7.3	5.8
NEWLINN (N-33)	5.3	6.3	5.8
BARRAGE	4.7	6.7	5.7
ELITE (WVPB-88-PR-C-23)	5.3	6.0	5.7
TOPEKA (WVPB-88-PR-D-10)	4.3	7.0	5.7
UNKNOWN	4.3	7.0	5.7
PENNFINE	5.0	6.0	5.5
EVENING SHADE (POLY-SH)	4.7	6.0	5.3
GOALIE	4.3	6.3	5.3
SATURN	5.3	5.3	5.3
CLP 144	3.3	6.7	5.0
TROUBADOUR	4.7	5.3	5.0
ACCOLADE	4.0	5.3	4.7
LSD VALUE	2.4	1.9	1.5

1/ DOLLAR SPOT RATED AT "RI1" IN 1991 AND AT "VA1" IN 1992.

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).

TABLE 26.

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

NAME	RED THREAD RATINGS 1-9; 9=NO DISEASE 1/										
	ID2	ID3	IL1	MI1	NJ1	NJ3	OH1	OR9	RI1	WAS3	MEAN
PRIZM (ZPS-28D)	7.0	7.3	6.0	6.7	6.3	7.7	6.7	6.3	7.7	5.9	6.8
89-666	9.0	7.7	6.3	6.0	5.7	7.7	6.3	5.0	7.0	6.6	6.7
CALYPSO	9.0	8.0	5.3	7.0	7.3	7.0	6.3	4.8	7.0	4.1	6.6
DANDY	7.7	8.3	7.0	5.7	6.0	8.3	5.3	5.2	7.7	4.2	6.5
WIND STAR (PST-28M)	5.3	7.0	7.0	7.3	5.3	8.0	6.3	5.7	6.7	6.8	6.5
PINNACLE	6.0	7.7	7.3	7.7	5.0	7.3	5.7	4.7	7.7	6.3	6.5
ZPS-2EZ	8.0	8.3	5.3	7.0	5.3	8.0	5.7	5.4	6.7	5.0	6.5
PRECISION (MOM LP 3147)	7.3	8.3	6.0	7.0	4.3	8.0	6.0	5.4	6.0	6.0	6.4
HE 311	6.7	7.3	6.7	6.3	6.7	8.3	5.7	4.8	6.7	5.2	6.4
NIGHTHAWK (WVPB-89-PR-A-3)	8.3	8.0	5.7	6.7	4.7	7.3	6.7	4.7	6.3	5.8	6.4
MOM LP 3184	4.7	8.3	7.0	8.0	5.3	6.3	5.7	5.3	7.3	5.7	6.4
ASSURE	7.0	7.3	6.0	7.0	5.7	7.0	7.0	5.2	6.7	4.8	6.4
CUTTER (PICK 89-4)	7.0	7.7	7.0	6.7	5.7	6.7	5.7	5.4	6.3	5.4	6.4
ELEGANCE (OFI-F7)	6.0	7.0	5.7	6.3	6.7	7.3	5.7	5.2	7.0	6.7	6.4
UNKNOWN	5.3	7.3	.	6.3	7.0	7.3	5.7	5.8	7.0	5.3	6.3
STATESMAN (WVPB-88-PR-D-12)	6.3	8.0	.	7.3	6.0	7.0	5.7	4.8	6.7	5.2	6.3
OVATION	5.7	7.0	7.0	7.7	5.3	8.0	5.3	3.6	7.0	6.3	6.3
SATURN	8.0	7.3	6.0	6.7	5.3	7.7	5.7	4.4	6.0	5.7	6.3
SEVILLE	6.3	7.0	7.0	8.0	5.3	6.3	6.0	5.9	5.7	5.2	6.3
PENNFINE	6.3	7.7	.	6.7	6.0	7.3	5.7	4.8	7.0	5.0	6.3
PST-2ROR	9.0	7.3	.	5.7	4.7	7.3	5.7	4.9	6.7	5.2	6.3
CHARGER	5.7	8.0	5.0	6.3	5.7	7.0	6.3	5.7	7.0	5.9	6.3
COWBOY II (WM-II)	7.0	8.0	6.0	6.3	5.7	7.0	5.7	4.8	7.3	4.8	6.3
EXPRESS	8.0	7.7	4.7	6.0	5.3	7.3	6.3	5.4	7.0	4.8	6.3
METEOR	5.7	7.7	6.7	6.7	6.0	6.7	4.7	4.9	8.0	5.6	6.2
SURPRISE	5.7	7.7	6.7	8.0	5.7	6.3	5.7	4.9	6.7	5.2	6.2
COMMANDER	6.3	6.7	6.3	6.7	6.3	7.3	6.3	4.8	7.0	4.4	6.2
MOM LP 3182	9.0	7.7	5.7	5.7	6.7	8.0	5.7	3.2	7.0	3.7	6.2
ACHIEVER (PICK 1800)	7.0	7.3	6.0	6.7	5.3	7.7	6.7	4.1	6.0	5.4	6.2
SHERWOOD	5.0	7.3	6.7	7.3	6.7	6.3	6.0	4.9	6.7	5.2	6.2
SR 4200	6.7	8.0	6.0	6.3	6.0	6.7	5.3	5.0	6.7	5.4	6.2
BARRAGE	7.3	6.3	.	8.0	5.3	7.3	6.0	4.7	5.7	5.2	6.2
NOMAD	6.7	7.7	5.7	6.0	6.0	8.0	5.7	4.9	6.0	5.3	6.2
SHINING STAR (PST-2B3)	6.7	7.0	5.7	6.7	4.3	7.3	6.0	5.4	6.7	6.0	6.2
YORKTOWN III (LDRF)	6.0	7.0	5.7	5.7	7.7	7.3	5.7	5.2	6.0	5.6	6.2
C-21	9.0	6.3	6.0	6.7	5.0	6.3	5.7	4.3	6.3	6.0	6.2
MANHATTAN II (E)	7.0	7.0	.	5.7	6.0	6.7	6.3	4.7	7.0	5.1	6.2
BOARDWALK (OFI-D4)	6.0	7.0	6.3	6.0	5.7	8.0	5.3	4.7	7.3	5.2	6.2
RIVIERA	4.3	8.0	7.3	7.3	4.7	7.0	6.3	4.8	6.3	5.3	6.1
MOM LP 3179	6.0	7.3	.	7.0	6.3	7.3	5.7	3.1	7.7	4.8	6.1
CARTEL	8.0	7.7	5.0	7.3	5.3	5.0	6.0	3.9	7.7	5.3	6.1
FIESTA II	7.7	5.7	6.0	7.7	4.0	7.0	6.3	4.8	6.0	5.9	6.1
LYNX (PICK EEC)	8.0	8.0	5.7	6.3	6.3	5.7	5.3	4.8	6.7	4.2	6.1
LINN	7.0	7.3	.	6.0	6.7	7.0	5.7	3.7	8.0	3.5	6.1
APM	6.0	7.7	5.3	6.0	6.7	6.3	6.0	5.4	6.7	4.8	6.1

TABLE 26.  
(CONT'D)

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

NAME	RED THREAD RATINGS 1-9; 9=NO DISEASE										
	ID2	ID3	IL1	MI1	NJ1	NJ3	OH1	OR9	RI1	WAS3	MEAN
DIMENSION (2H7)	6.7	7.3	4.7	6.7	6.3	6.0	5.7	5.1	6.7	5.8	6.1
EVENING SHADE (POLY-SH)	8.0	7.7	4.7	7.0	5.7	7.3	5.0	4.9	6.0	4.6	6.1
TARGET	4.7	7.0	5.0	7.0	6.7	8.3	5.7	4.6	6.0	5.9	6.1
DANILO	5.3	6.7	7.3	7.0	4.7	8.0	5.3	4.2	6.7	5.6	6.1
KOOS 90-2	6.3	5.7	6.0	6.0	5.3	6.3	6.3	6.1	7.7	4.9	6.1
REGAL	7.3	6.0	.	6.7	6.3	6.7	5.7	4.2	7.0	4.7	6.1
NAVAJO (PST-2DPR)	6.3	7.0	5.7	7.0	4.7	7.0	6.0	4.7	7.3	4.9	6.1
DELAWARE DWARF (4DD)	7.3	6.7	6.0	6.7	4.7	7.7	5.0	4.9	6.0	5.6	6.0
DANARO	4.3	7.3	7.7	7.0	4.7	7.3	6.3	3.7	7.0	4.9	6.0
CALLIENTE	4.7	6.7	6.3	7.7	5.7	7.3	5.7	4.6	7.0	4.6	6.0
NEWLINN (N-33)	5.3	7.7	6.3	5.7	6.0	5.7	6.3	4.4	7.0	5.7	6.0
TORONTO	3.3	7.3	6.0	7.3	6.7	8.3	5.3	3.6	6.7	5.6	6.0
MOM LP 3185	8.0	6.0	.	7.7	4.3	6.3	5.3	4.7	6.3	5.3	6.0
CITATION II	6.3	7.3	.	6.3	5.0	7.0	5.7	4.8	6.7	4.9	6.0
STALLION SELECT (PS-105)	7.3	7.0	5.3	6.0	6.7	7.0	5.3	4.0	6.3	5.0	6.0
TOPEKA (WVPB-88-PR-D-10)	5.3	7.7	.	6.7	5.0	7.0	6.0	5.2	6.0	5.1	6.0
BAR LP 086FL	5.7	7.3	5.7	6.0	6.3	7.0	6.0	4.6	6.0	5.3	6.0
MORNING STAR (SYN-P)	6.7	7.0	5.7	6.3	6.0	7.0	5.7	5.2	6.3	4.0	6.0
PASSPORT (PST-2FF)	4.0	7.3	.	6.3	5.0	6.7	6.7	5.8	6.0	6.1	6.0
PREMIER	4.7	6.3	.	7.3	6.7	8.0	5.0	5.2	6.0	4.7	6.0
LEGACY	7.3	7.0	6.0	6.3	5.3	6.3	5.7	4.8	6.7	4.2	6.0
ADVENT	4.0	7.7	5.0	7.0	5.7	6.0	6.0	5.8	6.0	6.4	6.0
DERBY SUPREME	5.3	7.7	5.3	6.7	4.7	6.7	6.7	4.9	6.3	5.3	6.0
AFFINITY (GEN-90)	3.0	6.3	6.0	6.3	6.0	7.0	6.7	6.6	5.7	6.0	6.0
PR 9118	6.7	6.3	5.3	7.0	5.7	6.3	5.7	4.7	6.3	5.4	5.9
PRELUDE II (2P2-90)	4.3	7.3	5.0	5.7	6.7	8.7	5.7	4.8	6.3	5.0	5.9
BUCCANEER (KOOS 90-1)	6.3	7.3	6.0	7.3	4.7	7.0	5.3	3.8	7.0	4.6	5.9
PR 9108	6.7	6.3	.	7.3	6.0	6.3	5.3	4.1	6.0	5.1	5.9
GATOR	6.0	5.7	.	7.7	5.0	7.7	5.7	5.2	6.3	3.8	5.9
TAYA	6.7	6.7	6.0	6.7	5.3	6.3	5.7	4.3	7.0	4.2	5.9
CORSAIR (MVF 89-88)	7.0	8.7	6.0	6.3	4.7	6.7	5.3	4.2	5.7	4.3	5.9
EEG 358	6.3	7.3	6.0	7.3	4.0	7.0	5.7	4.8	5.7	4.8	5.9
PLEASURE	7.0	6.3	6.0	6.0	5.0	8.0	5.7	4.6	6.0	4.3	5.9
PR 9119	7.3	7.0	.	6.7	4.3	5.7	5.3	3.8	7.0	5.7	5.9
ENVY	6.0	6.3	5.7	7.0	4.7	6.7	5.7	5.3	6.3	4.9	5.9
PST-23C	.	7.0	.	6.0	5.3	6.7	5.7	4.7	6.0	5.4	5.8
PST-20G	8.0	5.0	5.3	6.3	4.7	7.3	6.3	4.6	6.3	4.6	5.8
PATRIOT II	7.0	6.3	5.0	6.7	5.0	7.3	6.0	4.7	6.0	4.4	5.8
CHARISMA (WVPB 89-92)	5.7	7.0	6.7	7.0	5.0	6.3	6.0	4.1	6.0	4.6	5.8
EQUAL	4.0	7.7	5.7	5.7	5.3	8.0	6.0	4.1	6.3	5.6	5.8
GREENLAND (PICK 9100)	8.0	5.7	5.0	6.3	5.0	6.0	5.7	5.6	5.7	5.4	5.8
BRIGHTSTAR (PST-GH-89)	5.5	6.7	5.0	6.3	5.0	7.7	6.0	4.4	7.0	4.7	5.8
MULLIGAN (NK 89001)	3.3	5.7	6.0	6.7	6.7	8.3	5.3	5.4	5.7	5.1	5.8
BAR LP 852	6.7	4.7	5.3	7.3	3.0	7.3	6.3	4.2	7.3	5.7	5.8
ENTRAR	8.3	6.0	4.7	6.7	4.3	6.3	6.3	4.3	6.7	4.2	5.8

TABLE 26.  
(CONT'D)

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

NAME	RED THREAD RATINGS 1-9; 9=NO DISEASE										
	ID2	ID3	IL1	MI1	NJ1	NJ3	OH1	OR9	RI1	WAS3	MEAN
RODEO II	6.3	7.3	6.0	5.3	5.3	7.0	6.0	3.6	6.0	5.0	5.8
PRONTO (WVPB-89-87A)	4.0	7.0	7.0	7.0	5.3	6.3	5.7	4.2	6.3	4.9	5.8
QUICKSTART (PST-2FQR)	3.7	6.7	4.7	6.3	6.3	7.3	5.3	5.3	6.7	5.3	5.8
GETTYSBURG	6.3	7.0	5.7	6.7	4.0	6.3	5.3	4.8	7.0	4.4	5.8
PR 9109	5.7	7.0	4.7	6.0	5.3	6.3	5.7	5.0	6.7	5.2	5.8
CLP 144	6.0	6.0	5.0	7.3	5.0	8.0	5.3	4.7	6.0	3.8	5.7
PENNANT	3.0	6.0	.	6.7	5.7	7.3	6.0	5.1	7.0	4.3	5.7
LOWGROW (PICK 89LLG)	7.7	6.7	.	6.7	4.0	7.3	6.0	4.3	4.3	4.1	5.7
ALLEGRO	7.0	5.0	6.0	7.0	4.0	7.0	5.0	4.6	6.3	4.9	5.7
DUET	3.3	7.3	6.0	7.3	3.0	7.7	5.7	4.7	6.7	5.1	5.7
CUTLESS	4.7	7.3	5.7	5.7	5.7	7.0	5.3	3.8	6.0	5.4	5.7
ELITE (WVPB-88-PR-C-23)	5.7	5.0	5.7	7.0	5.0	6.7	5.3	4.6	6.0	5.6	5.6
BARRAGE ++	2.0	6.3	7.0	7.3	6.3	7.7	6.3	4.4	5.3	3.7	5.6
REPELL II (LDRD)	2.3	8.0	4.7	6.0	6.3	6.3	6.3	4.8	5.7	5.9	5.6
856	3.3	7.3	6.0	6.3	5.7	7.0	5.7	3.8	6.7	4.3	5.6
PR 9121	5.7	6.7	4.3	6.0	5.0	6.0	5.7	5.0	7.0	4.7	5.6
REPELL	2.0	8.7	5.3	5.7	6.3	7.7	5.3	4.6	6.0	4.4	5.6
ESSENCE (PR 8820)	2.7	6.0	4.7	7.3	5.7	7.0	6.3	5.3	5.7	4.9	5.6
ACCOLADE	3.3	6.3	6.3	7.0	6.0	6.0	5.3	4.8	5.7	4.7	5.5
CLP 39	3.7	6.3	.	8.0	5.0	6.0	5.3	4.7	6.0	4.8	5.5
STALLION	4.3	8.0	.	6.0	5.0	7.0	5.0	4.2	5.3	4.9	5.5
MOM LP 3111	2.7	8.0	5.3	6.3	5.0	6.0	5.7	5.0	6.3	4.9	5.5
CAPRI (ZW 42-176)	2.0	6.7	7.0	7.3	5.7	4.7	6.7	4.3	7.0	3.8	5.5
LINDSAY	6.0	7.0	4.7	6.7	5.0	7.0	5.0	4.4	4.7	4.7	5.5
PS 89-90 (MVF 89-90)	2.7	6.7	5.3	7.0	5.0	7.7	5.7	3.7	6.0	5.3	5.5
PALMER II (P89)	4.0	5.7	5.0	6.0	5.3	7.0	6.3	4.0	6.7	4.9	5.5
TROUBADOUR	5.0	6.7	6.7	6.7	5.3	5.7	5.7	4.3	5.7	3.1	5.5
RIVIERA II (PICK DKM)	2.7	7.3	5.3	6.3	5.3	7.3	5.7	5.1	5.3	4.1	5.5
240 (PEBBLE BEACH)	6.3	6.0	6.3	6.7	2.7	5.3	5.7	4.2	6.7	4.6	5.4
PST-290	3.7	6.7	5.0	6.0	5.7	6.3	5.0	5.3	6.0	4.1	5.4
COMPETITOR	4.3	6.7	5.7	7.0	4.3	4.7	5.0	4.4	7.0	4.1	5.3
LORETTA	4.7	5.3	.	8.0	4.0	6.0	5.3	4.0	5.3	4.8	5.3
GOALIE	4.7	6.7	.	6.3	3.0	7.3	4.7	3.9	5.7	4.4	5.2
LSD VALUE	4.8	2.3	2.0	1.8	2.1	2.1	1.2	1.1	1.6	1.8	0.7

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).

TABLE 27. BROWN PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	IL2	NJ1	NJ2	VA1	MEAN
PRIZM (ZPS-28D)	7.0	7.1	7.3	6.0	6.9
AFFINITY (GEN-90)	7.7	5.3	7.7	5.7	6.6
APM	6.3	7.0	7.3	5.7	6.6
MORNING STAR (SYN-P)	7.3	6.2	7.0	5.7	6.6
BRIGHTSTAR (PST-GH-89)	8.3	5.8	6.7	5.3	6.5
PRELUDE II (2P2-90)	7.7	5.2	7.7	5.3	6.5
ASSURE	8.3	5.4	6.7	5.3	6.4
PST-290	8.7	5.8	5.7	5.7	6.4
WIND STAR (PST-28M)	6.7	6.3	7.3	5.0	6.3
RIVIERA II (PICK DKM)	8.0	5.8	5.7	5.7	6.3
MULLIGAN (NK 89001)	6.7	5.9	5.7	6.7	6.2
SEVILLE	7.0	5.9	6.7	5.3	6.2
89-666	6.3	5.2	6.0	6.7	6.1
REPELL II (LDRD)	7.0	5.6	6.3	5.3	6.1
PRECISION (MOM IP 3147)	8.0	5.8	5.0	5.3	6.0
CUTTER (PICK 89-4)	6.3	5.0	5.3	7.3	6.0
PENNANT	7.7	5.9	5.0	5.3	6.0
ENVY	8.3	5.4	4.7	5.3	5.9
GETTYSBURG	8.0	5.4	4.7	5.7	5.9
EXPRESS	8.0	6.2	5.7	3.7	5.9
PST-2ROR	8.3	4.8	5.3	5.0	5.9
PASSPORT (PST-2FF)	5.0	6.0	6.7	5.7	5.8
PST-23C	7.7	5.3	6.0	4.3	5.8
SHINING STAR (PST-2B3)	7.7	4.9	5.0	5.7	5.8
ADVENT	6.0	5.6	6.3	5.3	5.8
ACHIEVER (PICK 1800)	6.7	6.0	5.7	4.7	5.8
YORKTOWN III (LDRF)	7.0	5.3	6.3	4.3	5.8
BUCCANEER (KOOS 90-1)	5.3	5.9	5.7	6.0	5.7
PALMER II (P89)	6.0	5.2	6.3	5.3	5.7
DANDY	6.0	5.1	6.7	5.0	5.7
PREMIER	6.3	5.8	5.0	5.7	5.7
TARGET	4.7	5.8	6.3	6.0	5.7
QUICKSTART (PST-2FQR)	3.7	5.8	7.0	6.3	5.7
PINNACLE	5.3	5.7	6.7	5.0	5.7
LYNX (PICK EEC)	5.0	5.7	6.7	5.0	5.6
EQUAL	6.0	5.4	5.3	5.0	5.4
PST-2OG	7.3	5.1	4.7	4.7	5.4
SR 4200	5.0	5.7	6.0	5.0	5.4
CALIENTE	7.0	5.2	4.3	5.0	5.4
GREENLAND (PICK 9100)	6.3	4.7	6.7	3.7	5.3
CALYPSO	6.3	5.0	4.3	5.7	5.3
LEGACY	6.3	4.3	5.3	5.3	5.3
RIVIERA	6.0	5.3	4.3	5.7	5.3
PLEASURE	6.3	5.2	5.0	4.7	5.3
ZPS-2EZ	6.3	4.9	6.3	3.7	5.3

BROWN PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	IL2	NJ1	NJ2	VA1	MEAN
STALLION SELECT (PS-105)	5.0	5.8	6.0	4.3	5.3
GATOR	5.7	4.7	3.3	7.3	5.3
MOM LP 3184	7.3	4.6	4.3	4.7	5.2
REPELL	6.3	4.2	5.0	5.3	5.2
PRONTO (WVEB-89-87A)	5.3	4.8	5.0	5.7	5.2
DIMENSION (2H7)	8.0	5.1	4.3	3.0	5.1
SHERWOOD	5.7	5.0	5.3	4.3	5.1
HE 311	4.0	5.2	6.0	5.0	5.1
CITATION II	6.3	5.4	3.7	4.7	5.0
DELAWARE DWARF (4DD)	4.7	5.4	5.3	4.7	5.0
STALLION	6.0	5.1	4.7	4.3	5.0
NIGHTHAWK (WVPB-89-PR-A-3)	7.0	4.6	5.0	3.3	5.0
SATURN	5.3	5.9	3.7	5.0	5.0
REGAL	4.3	4.2	5.3	5.3	4.8
NEWLINN (N-33)	7.0	3.8	3.7	4.7	4.8
PENNFINE	4.3	4.1	4.0	6.7	4.8
FIESTA II	5.7	4.3	3.7	5.3	4.8
STATESMAN (WVPB-88-PR-D-12)	6.3	4.3	3.0	5.3	4.8
BARRAGE ++	5.0	4.3	4.3	5.3	4.8
MANHATTAN II (E)	5.0	5.6	4.3	4.0	4.7
PR 9121	6.3	4.7	3.3	4.3	4.7
PR 9109	4.3	4.2	4.3	5.7	4.6
CORSAIR (MVF 89-88)	5.0	4.2	2.7	6.7	4.6
856	5.7	3.8	3.0	6.0	4.6
CHARGER	4.7	5.0	4.7	4.0	4.6
LINDSAY	6.0	3.1	3.0	6.0	4.5
TOPEKA (WVEB-88-PR-D-10)	5.3	4.8	2.3	5.7	4.5
COWBOY II (WM-II)	5.7	3.7	3.3	5.3	4.5
DERBY SUPREME	6.0	3.7	3.0	5.3	4.5
DUET	4.0	4.3	3.0	6.7	4.5
C-21	5.0	4.6	3.0	5.3	4.5
PR 9119	5.0	4.1	3.3	5.3	4.4
NAVAJO (PST-2DPR)	3.3	3.8	5.0	5.3	4.4
MOM LP 3185	6.3	3.7	3.0	4.3	4.3
UNKNOWN	1.7	5.0	4.3	6.3	4.3
CHARISMA (WVPB 89-92)	5.3	3.6	2.7	5.7	4.3
MOM LP 3182	6.0	3.8	3.3	4.0	4.3
PR 9108	5.3	3.8	2.0	6.0	4.3
COMPETITOR	5.0	4.0	3.0	5.0	4.3
ELEGANCE (OFI-F7)	3.7	5.3	5.3	2.7	4.3
ELITE (WVPB-88-PR-C-23)	5.7	3.7	2.3	5.3	4.3
240 (PEBBLE BEACH)	5.7	3.4	2.3	5.3	4.2
CUTLESS	5.3	4.1	2.0	5.0	4.1
KOOS 90-2	3.3	4.1	4.7	4.3	4.1
COMMANDER	5.0	4.7	2.7	4.0	4.1



TABLE 27. BROWN PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	IL2	NJ1	NJ2	VA1	MEAN
BOARDWALK (OFI-D4)	6.0	3.7	2.3	4.3	4.1
MOM LP 3179	4.0	4.3	4.7	3.3	4.1
BAR LP 852	5.7	3.9	2.3	4.3	4.1
BARRAGE	6.0	3.9	2.0	4.3	4.1
PS 89-90 (MVF 89-90)	5.3	4.2	2.7	4.0	4.1
NOMAD	3.3	3.8	3.7	5.0	3.9
OVATION	5.0	3.1	1.7	6.0	3.9
RODEO II	4.0	4.6	3.0	3.7	3.8
TORONTO	2.0	3.4	3.0	6.7	3.8
ESSENCE (PR 8820)	4.7	3.3	2.3	4.7	3.8
DANILO	3.3	4.1	3.0	4.3	3.7
LORETTA	2.3	3.6	3.0	5.3	3.6
CAPRI (ZW 42-176)	4.0	3.1	2.7	4.3	3.5
METEOR	5.3	3.0	1.7	4.0	3.5
PATRIOT II	4.3	3.6	3.0	3.0	3.5
PR 9118	1.7	4.0	3.7	4.3	3.4
DANARO	4.3	3.1	2.0	4.0	3.4
ACCOLADE	2.0	4.7	3.3	3.3	3.3
BAR LP 086FL	2.0	3.7	3.0	4.0	3.2
TAYA	4.3	2.9	1.3	4.0	3.1
LOWGROW (PICK 89LLG)	2.3	3.8	3.0	3.3	3.1
MOM LP 3111	2.3	3.4	2.0	4.3	3.0
SURPRISE	4.0	2.1	1.3	4.7	3.0
CLP 144	4.3	2.7	1.7	3.3	3.0
EEG 358	3.3	2.9	2.3	3.3	3.0
GOALIE	1.7	2.7	2.3	4.0	2.7
ENTRAR	2.0	3.6	1.7	2.7	2.5
TROUBADOUR	2.0	3.2	1.0	3.7	2.5
EVENING SHADE (POLY-SH)	1.7	3.6	2.0	2.3	2.4
ALLEGRO	1.0	3.1	1.3	3.7	2.3
CLP 39	1.7	2.1	1.7	3.7	2.3
LINN	1.0	2.6	1.3	3.7	2.1
CARTEL	1.7	2.1	1.0	3.0	1.9
LSD VALUE	3.8	1.2	1.4	2.8	1.0

1/ BROWN PATCH RATED AT "NJ2" IN 1991, AT "IL2" & "VA1" IN 1993 AND AT "NJ1" IN 1991, 1993 & 1994.

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).

TABLE 28. PYTHIUM BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/ 1991-1994 DATA

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

NAME	IL2	NJ3	MEAN
ASSURE	7.3	7.3	7.3
CUTTER (PICK 89-4)	8.0	6.3	7.2
SEVILLE	7.5	6.7	7.1
AFFINITY (GEN-90)	7.0	6.7	6.8
BUCCANEER (KOOS 90-1)	7.0	6.7	6.8
DELAWARE DWARF (4DD)	7.7	6.0	6.8
PST-23C	7.0	6.7	6.8
WIND STAR (PST-28M)	7.0	6.7	6.8
89-666	6.7	6.7	6.7
ACHIEVER (PICK 1800)	7.7	5.7	6.7
PST-2ROR	6.7	6.7	6.7
PALMER II (P89)	7.0	6.3	6.7
PINNACLE	7.0	6.3	6.7
MOM LP 3184	6.3	6.7	6.5
NIGHTHAWK (WVPB-89-PR-A-3)	6.3	6.7	6.5
PRECISION (MOM LP 3147)	6.3	6.7	6.5
RIVIERA	7.0	6.0	6.5
ADVENT	5.7	7.0	6.3
RIVIERA II (PICK DKM)	6.7	6.0	6.3
STALLION SELECT (PS-105)	5.7	7.0	6.3
APM	6.3	6.3	6.3
KOOS 90-2	5.7	6.7	6.2
MORNING STAR (SYN-P)	6.7	5.7	6.2
BAR LP 852	6.0	6.3	6.2
EQUAL	5.3	7.0	6.2
NEWLINN (N-33)	6.0	6.3	6.2
PRONTO (WVPB-89-87A)	6.3	6.0	6.2
PST-290	6.0	6.3	6.2
SHINING STAR (PST-2B3)	6.3	6.0	6.2
SR 4200	7.0	5.3	6.2
240 (PEBBLE BEACH)	5.7	6.3	6.0
CALIENTE	5.0	7.0	6.0
DANDY	5.7	6.3	6.0
DIMENSION (2H7)	6.0	6.0	6.0
LEGACY	6.0	6.0	6.0
MOM LP 3185	5.3	6.7	6.0
PREMIER	5.7	6.3	6.0
QUICKSTART (PST-2FQR)	6.7	5.3	6.0
REPELL	5.7	6.3	6.0
SHERWOOD	6.3	5.7	6.0
STATESMAN (WVPB-88-PR-D-12)	5.3	6.7	6.0
CHARISMA (WVPB 89-92)	5.0	6.7	5.8
COMMANDER	5.7	6.0	5.8
DERBY SUPREME	5.0	6.7	5.8
GREENLAND (PICK 9100)	6.7	5.0	5.8

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE

NAME	IL2	NJ3	MEAN
PRIZM (ZPS-28D)	7.7	4.0	5.8
ELEGANCE (OFI-F7)	6.3	5.3	5.8
PASSPORT (PST-2FF)	6.3	5.3	5.8
PR 9121	5.3	6.3	5.8
STALLION	5.3	6.3	5.8
ACCOLADE	5.3	6.0	5.7
CORSAIR (MVF 89-88)	5.0	6.3	5.7
ESSENCE (PR 8820)	5.3	6.0	5.7
MANHATTAN II (E)	6.0	5.3	5.7
NOMAD	5.0	6.3	5.7
PLEASURE	6.0	5.3	5.7
PR 9109	5.3	6.0	5.7
PS 89-90 (MVF 89-90)	5.0	6.3	5.7
COMPETITOR	5.3	5.7	5.5
DUET	4.7	6.3	5.5
ENVY	6.0	5.0	5.5
EXPRESS	5.3	5.7	5.5
PRELUDE II (2P2-90)	5.7	5.3	5.5
PST-2OG	6.0	5.0	5.5
SATURN	5.3	5.7	5.5
856	4.7	6.0	5.3
ALLEGRO	4.7	6.0	5.3
CITATION II	6.7	4.0	5.3
GETTYSBURG	5.0	5.7	5.3
LYNX (PICK EEC)	6.0	4.7	5.3
PR 9118	4.7	6.0	5.3
REPELL II (LDRD)	5.7	5.0	5.3
RODEO II	5.0	5.7	5.3
TARGET	6.0	4.7	5.3
YORKTOWN III (LDRF)	5.7	5.0	5.3
HE 311	4.3	6.3	5.3
TOPEKA (WVPB-88-PR-D-10)	4.3	6.3	5.3
UNKNOWN	5.3	5.3	5.3
BARRAGE	4.7	5.7	5.2
C-21	3.7	6.7	5.2
COWBOY II (WM-II)	5.7	4.7	5.2
EEG 358	4.7	5.7	5.2
NAVAJO (PST-2DPR)	5.7	4.7	5.2
BARRAGE ++	4.3	6.0	5.2
CALYPSO	4.3	6.0	5.2
CHARGER	5.3	5.0	5.2
ELITE (WVPB-88-PR-C-23)	5.0	5.3	5.2
PR 9119	5.0	5.3	5.2
REGAL	5.0	5.3	5.2
TAYA	4.3	6.0	5.2

TABLE 28. PYTHIUM BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE

NAME	IL2	NJ3	MEAN
BAR LP 086FL	4.0	6.0	5.0
BRIGHTSTAR (PST-GH-89)	5.7	4.3	5.0
FIESTA II	5.0	5.0	5.0
LINDSAY	5.0	5.0	5.0
LOWGROW (PICK 89LLG)	5.3	4.7	5.0
PENNANT	4.7	5.3	5.0
ZPS-2EZ	4.7	5.0	4.8
CLP 144	3.7	6.0	4.8
LORETTA	3.7	6.0	4.8
OVATION	3.7	6.0	4.8
CAPRI (ZW 42-176)	3.5	6.0	4.8
ENTRAR	3.7	5.7	4.7
MOM LP 3179	3.7	5.7	4.7
PATRIOT II	4.7	4.7	4.7
PR 9108	4.7	4.7	4.7
CUTLESS	4.3	5.0	4.7
BOARDWALK (OFI-D4)	3.7	5.3	4.5
CLP 39	4.0	5.0	4.5
EVENING SHADE (POLY-SH)	3.7	5.3	4.5
MOM LP 3182	4.3	4.7	4.5
MULLIGAN (NK 89001)	4.3	4.7	4.5
GATOR	3.7	5.0	4.3
MOM LP 3111	3.3	5.3	4.3
PENNFINE	2.7	5.7	4.2
TORONTO	2.7	5.7	4.2
CARTEL	3.0	5.0	4.0
DANILO	3.7	4.0	3.8
METEOR	2.7	4.7	3.7
GOALIE	2.3	4.7	3.5
LINN	1.7	5.3	3.5
TROUBADOUR	1.7	5.3	3.5
DANARO	2.3	4.3	3.3
SURPRISE	2.0	4.3	3.2
LSD VALUE	1.5	2.1	1.3

1/ PYTHIUM BLIGHT RATED IN 1991 ONLY.

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).

TABLE 29.

CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	NJ2	OR9	MEAN
EEG 358	8.3	6.8	7.6
ELITE (WVPB-88-PR-C-23)	7.7	6.3	7.0
ESSENCE (PR 8820)	7.0	6.8	6.9
PRECISION (MOM LP 3147)	7.0	6.7	6.8
PST-2ROR	7.0	6.7	6.8
PR 9119	7.3	6.2	6.8
BARRAGE	7.3	6.0	6.7
CUTLESS	7.0	6.3	6.7
PR 9121	7.7	5.5	6.6
LOWGROW (PICK 89LLG)	7.3	5.8	6.6
CHARISMA (WVPB 89-92)	6.7	6.3	6.5
BARRAGE ++	7.0	5.7	6.3
AFFINITY (GEN-90)	6.7	5.8	6.3
LINDSAY	6.7	5.8	6.3
MOM LP 3184	7.0	5.5	6.3
PS 89-90 (MVF 89-90)	7.0	5.3	6.2
BAR LP 086FL	6.7	5.5	6.1
NOMAD	6.0	6.2	6.1
CLP 144	6.3	5.8	6.1
PR 9118	6.7	5.3	6.0
TROUBADOUR	6.3	5.7	6.0
ALLEGRO	6.0	5.8	5.9
DUET	6.3	5.5	5.9
NAVAJO (PST-2DPR)	6.3	5.5	5.9
METEOR	6.0	5.7	5.8
CHARGER	6.0	5.5	5.8
MOM LP 3185	6.3	5.2	5.8
NEWLINN (N-33)	6.0	5.5	5.8
LORETTA	5.7	5.7	5.7
PR 9109	6.0	5.3	5.7
CAPRI (ZW 42-176)	5.7	5.5	5.6
EVENING SHADE (POLY-SH)	5.0	6.2	5.6
PST-290	5.7	5.5	5.6
CLP 39	5.3	5.7	5.5
CORSAIR (MVF 89-88)	5.7	5.3	5.5
COWBOY II (WM-II)	5.0	6.0	5.5
LINN	6.7	4.3	5.5
NIGHTHAWK (WVPB-89-PR-A-3)	6.0	5.0	5.5
C-21	5.7	5.2	5.4
WIND STAR (PST-28M)	5.3	5.5	5.4
ZPS-2EZ	5.3	5.5	5.4
CUTTER (PICK 89-4)	5.0	5.7	5.3
ENVY	5.0	5.7	5.3
PATRIOT II	5.0	5.7	5.3
QUICKSTART (PST-2FQR)	5.0	5.7	5.3

CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE

NAME	NJ2	OR9	MEAN
SHINING STAR (PST-2B3)	5.0	5.7	5.3
COMPETITOR	5.3	5.3	5.3
ENTRAR	5.3	5.3	5.3
TORONTO	5.3	5.3	5.3
DIMENSION (2H7)	6.3	4.2	5.3
GATOR	5.7	4.8	5.3
TARGET	5.7	4.8	5.3
PASSPORT (PST-2FF)	4.7	5.7	5.2
STATESMAN (WVPB-88-PR-D-12)	4.7	5.7	5.2
BOARDWALK (OFI-D4)	5.0	5.3	5.2
MOM LP 3111	5.0	5.3	5.2
STALLION SELECT (PS-105)	5.0	5.2	5.1
REPELL	5.3	4.7	5.0
BAR LP 852	4.7	5.2	4.9
GETTYSBURG	4.7	5.2	4.9
SURPRISE	4.7	5.2	4.9
KOCS 90-2	5.0	4.8	4.9
MANHATTAN II (E)	5.3	4.5	4.9
TAYA	5.0	4.8	4.9
ACCOLADE	4.0	5.7	4.8
DANILO	4.7	5.0	4.8
240 (PEBBLE BEACH)	4.3	5.2	4.8
LEGACY	4.3	5.2	4.8
MOM LP 3179	5.7	3.8	4.8
TOPEKA (WVPB-88-PR-D-10)	5.0	4.5	4.8
PST-2OG	4.7	4.7	4.7
PRELUDE II (2P2-90)	5.0	4.3	4.7
PST-23C	4.3	5.0	4.7
ACHIEVER (PICK 1800)	4.7	4.5	4.6
ASSURE	4.0	5.2	4.6
SR 4200	4.0	5.2	4.6
HE 311	3.3	5.8	4.6
FIESTA II	4.0	5.0	4.5
PAIMER II (P89)	5.0	4.0	4.5
RODEO II	4.0	5.0	4.5
MORNING STAR (SYN-P)	4.7	4.2	4.4
OVATION	4.7	4.2	4.4
CALYPSO	4.3	4.5	4.4
CARTEL	4.3	4.5	4.4
SEVILLE	4.3	4.5	4.4
SHERWOOD	4.0	4.8	4.4
STALLION	4.3	4.5	4.4
BUCCANEER (KOOS 90-1)	4.7	4.0	4.3
PRIZM (ZPS-28D)	4.0	4.7	4.3
ADVENT	4.3	4.3	4.3

TABLE 29. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE

NAME	NJ2	OR9	MEAN
LYNX (PICK EEC)	3.7	5.0	4.3
MOM LP 3182	5.0	3.7	4.3
DANDY	3.7	4.8	4.3
DERBY SUPREME	3.3	5.2	4.3
ELEGANCE (OFI-F7)	4.3	4.2	4.3
PRONTO (WVPB-89-87A)	4.3	4.2	4.3
RIVIERA II (PICK DKM)	4.7	3.8	4.3
PR 9108	3.7	4.7	4.2
RIVIERA	3.3	5.0	4.2
YORKTOWN III (LDRE)	4.7	3.7	4.2
EQUAL	4.0	4.3	4.2
UNKNOWN	4.3	4.0	4.2
89-666	3.7	4.2	3.9
EXPRESS	3.7	4.2	3.9
APM	3.0	4.7	3.8
BRIGHTSTAR (PST-GH-89)	3.3	4.2	3.8
REPELL II (LDRD)	4.0	3.5	3.8
CITATION II	3.7	3.7	3.7
DELAWARE DWARF (4DD)	3.7	3.7	3.7
SATURN	3.7	3.5	3.6
856	3.3	3.7	3.5
COMMANDER	2.0	5.0	3.5
DANARO	2.7	4.3	3.5
GOALIE	3.0	4.0	3.5
PLEASURE	3.0	4.0	3.5
PINNACLE	2.7	4.2	3.4
GREENLAND (PICK 9100)	2.7	4.0	3.3
PREMIER	2.0	4.0	3.0
PENNANT	2.3	3.3	2.8
MULLIGAN (NK 89001)	2.0	2.8	2.4
CALIENTE	1.7	2.5	2.1
REGAL	1.0	3.2	2.1
PENNFINE	1.3	2.2	1.8
LSD VALUE	1.3	1.1	0.9

- 1/ CROWN RUST RATED AT "NJ2" IN 1991 AND AT "OR9" IN 1991 & 1992.
- 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).

TABLE 30. BROWN BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/ 1991-1994 DATA

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

NAME	OR9
YORKTOWN III (LDRF)	7.0
EQUAL	6.3
ADVENT	6.0
PRELUDE II (2F2-90)	6.0
TOPEKA (WVPB-88-PR-D-10)	6.0
WIND STAR (PST-28M)	6.0
ACCOLADE	5.7
DANDY	5.7
HE 311	5.7
PATRIOT II	5.7
PRECISION (MOM LP 3147)	5.7
PST-290	5.7
RIVIERA	5.7
RODEO II	5.7
STATESMAN (WVPB-88-PR-D-12)	5.7
AFFINITY (GEN-90)	5.3
C-21	5.3
COWBOY II (WM-II)	5.3
EVENING SHADE (POLY-SH)	5.3
EXPRESS	5.3
KOOS 90-2	5.3
PINNACLE	5.3
PRONTO (WVPB-89-87A)	5.3
PS 89-90 (MVF 89-90)	5.3
89-666	5.0
CAPRI (ZW 42-176)	5.0
CHARGER	5.0
CITATION II	5.0
CLP 39	5.0
DANILO	5.0
DIMENSION (2H7)	5.0
FIESTA II	5.0
GATOR	5.0
LOWGROW (PICK 89LLG)	5.0
NOMAD	5.0
PALMER II (P89)	5.0
PASSPORT (PST-2FF)	5.0
PENNANT	5.0
PR 9108	5.0
PRIZM (ZPS-28D)	5.0
REGAL	5.0
SURPRISE	5.0
TROUBADOUR	5.0
856	4.7
ACHIEVER (PICK 1800)	4.7

BROWN BLIGHT RATINGS 1-9; 9=NO DISEASE

NAME	OR9
ASSURE	4.7
BARRAGE	4.7
BOARDWALK (OFI-D4)	4.7
BRIGHTSTAR (PST-GH-89)	4.7
CALYPSO	4.7
CHARISMA (WVPB 89-92)	4.7
DELAWARE DWARF (4DD)	4.7
DERBY SUPREME	4.7
ESSENCE (PR 8820)	4.7
GREENLAND (PICK 9100)	4.7
LYNX (PICK EEC)	4.7
MORNING STAR (SYN-P)	4.7
PR 9109	4.7
PR 9119	4.7
REPELL	4.7
REPELL II (LDRD)	4.7
SEVILLE	4.7
SHINING STAR (PST-2B3)	4.7
STALLION	4.7
STALLION SELECT (PS-105)	4.7
TARGET	4.7
TORONTO	4.7
ZPS-2EZ	4.7
BARRAGE ++	4.3
CORSAIR (MVF 89-88)	4.3
CUTLESS	4.3
ELEGANCE (OFI-F7)	4.3
GETTYSBURG	4.3
LINDSAY	4.3
MANHATTAN II (E)	4.3
MOM LP 3111	4.3
PENNFINE	4.3
PST-23C	4.3
RIVIERA II (PICK DKM)	4.3
SATURN	4.3
SR 4200	4.3
UNKNOWN	4.3
APM	4.0
BAR LP 086FL	4.0
BUCCANEER (KOOS 90-1)	4.0
CALIENTE	4.0
CUTTER (PICK 89-4)	4.0
MULLIGAN (NK 89001)	4.0
OVATION	4.0
PLEASURE	4.0

TABLE 30. BROWN BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

BROWN BLIGHT RATINGS 1-9; 9=NO DISEASE

NAME	OR9
PR 9121	4.0
PREMIER	4.0
PST-2OG	4.0
QUICKSTART (PST-2FQR)	4.0
TAYA	4.0
240 (PEBBLE BEACH)	3.7
ALLEGRO	3.7
CARTEL	3.7
CLP 144	3.7
COMMANDER	3.7
COMPETITOR	3.7
DANARO	3.7
ELITE (WVPB-88-PR-C-23)	3.7
LEGACY	3.7
NEWLINN (N-33)	3.7
PR 9118	3.7
SHERWOOD	3.7
BAR LP 852	3.3
ENFRAR	3.3
ENVY	3.3
GOALIE	3.3
MCM LP 3182	3.3
NIGHTHAWK (WVPB-89-PR-A-3)	3.3
PST-2ROR	3.3
EEG 358	3.0
LORETTA	3.0
MCM LP 3184	3.0
MCM LP 3185	3.0
DUET	2.7
METEOR	2.7
MCM LP 3179	2.3
NAVAJO (PST-2DPR)	2.3
LINN	1.3
LSD VALUE	1.5

1/ BROWN BLIGHT RATED IN 1994 ONLY.

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).

TABLE 31. SNOW MOLD COMBINATION (60% PINK + 40% GREY) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

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

NAME	ID3	NAME	ID3
NOMAD	7.0	ZPS-2EZ	5.0
DELAWARE DWARF (4DD)	6.3	BOARDWALK (OFI-D4)	4.7
HE 311	6.3	COMMANDER	4.7
METEOR	6.3	DANDY	4.7
CLP 39	6.0	DERBY SUPREME	4.7
MULLIGAN (NK 89001)	6.0	DIMENSION (2H7)	4.7
PRIZM (ZPS-28D)	6.0	EEG 358	4.7
PST-290	6.0	ELEGANCE (OFI-F7)	4.7
BARRAGE ++	5.7	ELITE (WVPB-88-PR-C-23)	4.7
CLP 144	5.7	EQUAL	4.7
PENNFINE	5.7	ESSENCE (PR 8820)	4.7
PST-23C	5.7	MOM LP 3184	4.7
PST-20G	5.7	PASSPORT (PST-2FF)	4.7
TARGET	5.7	PENNANT	4.7
856	5.3	PR 9108	4.7
ADVENT	5.3	PR 9118	4.7
C-21	5.3	SR 4200	4.7
DANILO	5.3	UNKNOWN	4.7
EXPRESS	5.3	WIND STAR (PST-28M)	4.7
GATOR	5.3	89-666	4.3
SURPRISE	5.3	ACHIEVER (PICK 1800)	4.3
TOPEKA (WVPB-88-PR-D-10)	5.3	APM	4.3
240 (PEBBLE BEACH)	5.0	CALYPSO	4.3
ALLEGRO	5.0	CARTEL	4.3
BARRAGE	5.0	CHARISMA (WVPB 89-92)	4.3
BUCCANEER (KOOS 90-1)	5.0	COMPETITOR	4.3
CALIENTE	5.0	COWBOY II (WM-II)	4.3
ENTRAR	5.0	CUTLESS	4.3
ENVY	5.0	EVENING SHADE (POLY-SH)	4.3
FIESTA II	5.0	LORETTA	4.3
GETTYSBURG	5.0	MANHATTAN II (E)	4.3
LEGACY	5.0	MOM LP 3179	4.3
LINDSAY	5.0	MORNING STAR (SYN-P)	4.3
LYNX (PICK EEC)	5.0	NEWLINN (N-33)	4.3
NAVAJO (PST-2DPR)	5.0	PR 9109	4.3
PATRIOT II	5.0	PR 9121	4.3
PLEASURE	5.0	QUICKSTART (PST-2FQR)	4.3
PST-2ROR	5.0	REGAL	4.3
REPELL	5.0	RIVIERA II (PICK DKM)	4.3
REPELL II (LDRD)	5.0	SHERWOOD	4.3
SEVILLE	5.0	STALLION SELECT (PS-105)	4.3
SHINING STAR (PST-2B3)	5.0	TROUBADOUR	4.3
TAYA	5.0	AFFINITY (GEN-90)	4.0
TORONTO	5.0	ASSURE	4.0
YORKTOWN III (LDRF)	5.0	BRIGHTSTAR (PST-GH-89)	4.0



TABLE 31. SNOW MOLD COMBINATION (60% PINK + 40% GREY) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE

NAME	ID3
CAPRI (ZW 42-176)	4.0
CORSAIR (MVF 89-88)	4.0
CUTTER (PICK 89-4)	4.0
GOALIE	4.0
GREENLAND (PICK 9100)	4.0
KOOS 90-2	4.0
MOM LP 3111	4.0
PALMER II (P89)	4.0
PINNACLE	4.0
PRELUDE II (2P2-90)	4.0
RODEO II	4.0
STATESMAN (WVPB-88-PR-D-12)	4.0
BAR LP 086FL	3.7
DANARO	3.7
MOM LP 3185	3.7
PR 9119	3.7
PRECISION (MOM LP 3147)	3.7
PRONTO (WVPB-89-87A)	3.7
PS 89-90 (MVF 89-90)	3.7
RIVIERA	3.7
SATURN	3.7
STALLION	3.7
CHARGER	3.3
LINN	3.3
LOWGROW (PICK 89LLG)	3.3
NIGHTHAWK (WVPB-89-PR-A-3)	3.3
PREMIER	3.3
CITATION II	3.0
OVATION	3.0
BAR LP 852	2.7
DUET	2.7
MOM LP 3182	2.7
ACCOLADE	2.3
LSD VALUE	1.7

1/ SNOW MOLD RATED IN 1993 ONLY.

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).

TABLE 32. CANOPY HEIGHT MEASUREMENTS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA \*

CANOPY HEIGHT MEASURED IN CENTIMETER 2/

NAME	IL2	NAME	IL2
LINN	22.7	SURPRISE	15.7
PENNANT	20.0	TOPEKA (WVPB-88-PR-D-10)	15.7
DUET	19.7	TORONTO	15.7
CALIENTE	19.3	CITATION II	15.3
PREMIER	19.3	CUTLESS	15.3
MOM LP 3179	19.0	PINNACLE	15.3
PATRIOT II	18.3	PR 9109	15.3
C-21	18.0	PST-2ROR	15.3
RIVIERA	18.0	SR 4200	15.3
SHINING STAR (PST-2B3)	18.0	240 (PEBBLE BEACH)	15.0
ACCOLADE	17.3	CALYPSO	15.0
COWBOY II (WM-II)	17.3	ESSENCE (PR 8820)	15.0
PENNFINE	17.3	GOALIE	15.0
856	17.0	PR 9118	15.0
CHARGER	17.0	PRONTO (WVPB-89-87A)	15.0
MOM LP 3184	17.0	PST-2OG	15.0
BAR LP 852	16.7	STALLION SELECT (PS-105)	15.0
CARTEL	16.7	STATESMAN (WVPB-88-PR-D-12)	15.0
ENTRAR	16.7	DANARO	14.7
FIESTA II	16.7	DELAWARE DWARF (4DD)	14.7
OVATION	16.7	DIMENSION (2H7)	14.7
REGAL	16.7	PASSPORT (PST-2FF)	14.7
SATURN	16.7	PR 9108	14.7
89-666	16.3	PR 9119	14.7
BAR LP 086FL	16.3	PS 89-90 (MVF 89-90)	14.7
BOARDWALK (OFI-D4)	16.3	ZPS-2EZ	14.7
MOM LP 3111	16.3	ASSURE	14.3
MOM LP 3182	16.3	BARRAGE	14.3
MULLIGAN (NK 89001)	16.3	BUCCANEER (KOOS 90-1)	14.3
STALLION	16.3	DANILO	14.3
ACHIEVER (PICK 1800)	16.0	LINDSAY	14.3
CORSAIR (MVF 89-88)	16.0	RODEO II	14.3
CUTTER (PICK 89-4)	16.0	YORKTOWN III (LDRF)	14.3
DANDY	16.0	APM	14.0
ENVY	16.0	CHARISMA (WVPB 89-92)	14.0
LYNX (PICK EEC)	16.0	CLP 39	14.0
MOM LP 3185	16.0	EQUAL	14.0
SHERWOOD	16.0	GREENLAND (PICK 9100)	14.0
COMMANDER	15.7	LORETTA	14.0
DERBY SUPREME	15.7	LOWGROW (PICK 89LLG)	14.0
GATOR	15.7	MANHATTAN II (E)	14.0
NEWLINN (N-33)	15.7	MORNING STAR (SYN-P)	14.0
PLEASURE	15.7	PRELUDE II (2P2-90)	14.0
PST-23C	15.7		
REPELL II (LDRD)	15.7		

TABLE 32. CANOPY HEIGHT MEASUREMENTS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

CANOPY HEIGHT MEASURED IN CENTIMETER

NAME	IL2
REPELL	14.0
TARGET	14.0
EEG 358	13.7
ELEGANCE (OFI-F7)	13.7
GETTYSBURG	13.7
HE 311	13.7
KOCS 90-2	13.7
PRECISION (MOM LP 3147)	13.7
TROUBADOUR	13.7
UNKNOWN	13.7
CAPRI (ZW 42-176)	13.3
METEOR	13.3
NIGHTHAWK (WVPB-89-PR-A-3)	13.3
PALMER II (P89)	13.3
PR 9121	13.3
ADVENT	13.0
TAYA	13.0
WIND STAR (PST-28M)	13.0
CLP 144	12.7
COMPETITOR	12.7
ELITE (WVPB-88-PR-C-23)	12.7
EXPRESS	12.7
RIVIERA II (PICK DKM)	12.7
AFFINITY (GEN-90)	12.3
ALLEGRO	12.3
BRIGHTSTAR (PST-GH-89)	12.3
EVENING SHADE (POLY-SH)	12.3
LEGACY	12.3
SEVILLE	12.3
BARRAGE ++	12.0
NOMAD	11.7
PRIZM (ZPS-28D)	11.7
NAVAJO (PST-2DPR)	11.3
LSD VALUE	3.6

\* CANOPY HEIGHT MEASUREMENTS 10 DAYS GROWING IN MAY.

1/ CANOPY HEIGHT MEASURED IN 1994 ONLY.

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).

TABLE 33.

LEAF RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATALEAF RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

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

LEAF RUST RATINGS 1-9; 9=NO DISEASE

NAME	RI1
COWBOY II (WM-II)	8.3
OVATION	8.3
CUTTER (PICK 89-4)	8.0
EEG 358	8.0
GETTYSBURG	8.0
LORETTA	8.0
MOM LP 3185	8.0
PS 89-90 (MVF 89-90)	8.0
SURPRISE	8.0
ZPS-2EZ	8.0
ALLEGRO	7.7
APM	7.7
BOARDWALK (OFI-D4)	7.7
C-21	7.7
CALIENTE	7.7
CALYPSO	7.7
CITATION II	7.7
CLP 39	7.7
DUET	7.7
ELITE (WVPB-88-PR-C-23)	7.7
FIESTA II	7.7
KOOS 90-2	7.7
LOWGROW (PICK 89LLG)	7.7
PINNACLE	7.7
PLEASURE	7.7
PR 9108	7.7
PR 9121	7.7
SHERWOOD	7.7
STALLION SELECT (PS-105)	7.7
STATESMAN (WVPB-88-PR-D-12)	7.7
240 (PEBBLE BEACH)	7.3
ACHIEVER (PICK 1800)	7.3
BAR LP 086FL	7.3
BAR LP 852	7.3
BARRAGE	7.3
CAPRI (ZW 42-176)	7.3
CHARGER	7.3
CHARISMA (WVPB 89-92)	7.3
CLP 144	7.3
COMMANDER	7.3
COMPETITOR	7.3
CUTLESS	7.3
DANARO	7.3
DANILO	7.3
ESSENCE (PR 8820)	7.3

NAME	RI1
EXPRESS	7.3
LINN	7.3
MOM LP 3111	7.3
MOM LP 3179	7.3
MOM LP 3184	7.3
NAVAJO (PST-2DPR)	7.3
PATRIOT II	7.3
PR 9118	7.3
PR 9119	7.3
PRELUDE II (2P2-90)	7.3
PRIZM (ZPS-28D)	7.3
PRONTO (WVPB-89-87A)	7.3
REPELL	7.3
RIVIERA	7.3
RODEO II	7.3
TAYA	7.3
TOPEKA (WVPB-88-PR-D-10)	7.3
TORONTO	7.3
UNKNOWN	7.3
YORKTOWN III (LDRF)	7.3
856	7.0
89-666	7.0
ACCOLADE	7.0
ADVENT	7.0
AFFINITY (GEN-90)	7.0
ASSURE	7.0
BRIGHTSTAR (PST-GH-89)	7.0
BUCCANEER (KOOS 90-1)	7.0
CORSAIR (MVF 89-88)	7.0
DIMENSION (2H7)	7.0
EVENING SHADE (POLY-SH)	7.0
MANHATTAN II (E)	7.0
METEOR	7.0
MOM LP 3182	7.0
MORNING STAR (SYN-P)	7.0
NEWLINN (N-33)	7.0
PENNFINE	7.0
PR 9109	7.0
PRECISION (MOM LP 3147)	7.0
PREMIER	7.0
PST-290	7.0
QUICKSTART (PST-2FQR)	7.0
REPELL II (LDRD)	7.0
RIVIERA II (PICK DKM)	7.0
SHINING STAR (PST-2B3)	7.0

TABLE 33. LEAF RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

LEAF RUST RATINGS 1-9; 9=NO DISEASE

NAME	RI1
SR 4200	7.0
TROUBADOUR	7.0
WIND STAR (PST-28M)	7.0
DELAWARE DWARF (4DD)	6.7
DERBY SUPREME	6.7
ENTRAR	6.7
EMVY	6.7
EQUAL	6.7
GOALIE	6.7
GREENLAND (PICK 9100)	6.7
HE 311	6.7
LINDSAY	6.7
NIGHTHAWK (WVPB-89-PR-A-3)	6.7
NOMAD	6.7
PASSPORT (PST-2FF)	6.7
PENNANT	6.7
PST-23C	6.7
PST-2OG	6.7
PST-2ROR	6.7
SATURN	6.7
SEVILLE	6.7
STALLION	6.7
TARGET	6.7
BARRAGE ++	6.3
CARTEL	6.3
DANDY	6.3
GATOR	6.3
LYNX (PICK EEC)	6.3
MULLIGAN (NK 89001)	6.3
PALMER II (P89)	6.3
REGAL	6.3
ELEGANCE (OFI-F7)	5.7
LEGACY	5.7
LSD VALUE	1.2

1/ LEAF RUST RATED IN 1991 ONLY.

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).

TABLE 34. FLOOD RECOVERY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

FLOOD RECOVERY RATINGS 1-9; 9=BEST 2/

NAME	NE1	NAME	NE1
COMPETITOR	9.0	SHERWOOD	7.7
COWBOY II (WM-II)	9.0	STALLION SELECT (ES-105)	7.7
PASSPORT (PST-2FF)	9.0	WIND STAR (PST-28M)	7.7
PRELUDE II (2P2-90)	9.0	ALLEGRO	7.3
QUICKSTART (PST-2FQR)	9.0	CUTLESS	7.3
REPELL II (LDRD)	9.0	DANARO	7.3
RODEO II	9.0	FIESTA II	7.3
TORONTO	9.0	GREENLAND (PICK 9100)	7.3
EEG 358	8.7	MOM LP 3111	7.3
ELEGANCE (OFI-F7)	8.7	MULLIGAN (NK 89001)	7.3
PATRIOT II	8.7	PINNACLE	7.3
PST-2OG	8.7	PR 9121	7.3
REPELL	8.7	SATURN	7.3
SHINING STAR (PST-2B3)	8.7	UNKNOWN	7.3
SR 4200	8.7	89-666	7.0
AFFINITY (GEN-90)	8.3	CITATION II	7.0
CARTEL	8.3	CLP 144	7.0
ENVY	8.3	CLP 39	7.0
ESSENCE (PR 8820)	8.3	DANILO	7.0
NIGHTHAWK (WVPB-89-PR-A-3)	8.3	DERBY SUPREME	7.0
PR 9118	8.3	DUET	7.0
PR 9119	8.3	EVENING SHADE (POLY-SH)	7.0
PREMIER	8.3	EXPRESS	7.0
TROUBADOUR	8.3	GATOR	7.0
240 (PEBBLE BEACH)	8.0	GETTYSBURG	7.0
BOARDWALK (OFI-D4)	8.0	LINDSAY	7.0
BRIGHTSTAR (PST-GH-89)	8.0	MOM LP 3179	7.0
CHARGER	8.0	MOM LP 3182	7.0
ENTRAR	8.0	NEWLINN (N-33)	7.0
LINN	8.0	PR 9109	7.0
LYNX (PICK EEC)	8.0	PRIZM (ZPS-28D)	7.0
MOM LP 3184	8.0	PRONTO (WVPB-89-87A)	7.0
NAVAJO (PST-2DPR)	8.0	PST-23C	7.0
NOMAD	8.0	RIVIERA II (PICK DKM)	7.0
PR 9108	8.0	STATESMAN (WVPB-88-PR-D-12)	7.0
YORKTOWN III (LDRF)	8.0	SURPRISE	7.0
ACHIEVER (PICK 1800)	7.7	ZPS-2EZ	7.0
DIMENSION (2H7)	7.7	ACCOLADE	6.7
EQUAL	7.7	DELAWARE DWARF (4DD)	6.7
HE 311	7.7	MANHATTAN II (E)	6.7
METEOR	7.7	OVATION	6.7
MOM LP 3185	7.7	PALMER II (P89)	6.7
MORNING STAR (SYN-P)	7.7	PST-290	6.7
PENNANT	7.7	REGAL	6.7
PST-2ROR	7.7	STALLION	6.7

TABLE 34. FLOOD RECOVERY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

FLOOD RECOVERY RATINGS 1-9; 9=BEST

NAME	NE1
TARGET	6.7
TOPEKA (WVPB-88-PR-D-10)	6.7
ADVENT	6.3
ARM	6.3
ASSURE	6.3
BAR LP 086FL	6.3
BAR LP 852	6.3
BARRAGE	6.3
BUCCANEER (KOOS 90-1)	6.3
C-21	6.3
CALIENTE	6.3
CAPRI (ZW 42-176)	6.3
CHARISMA (WVPB 89-92)	6.3
COMMANDER	6.3
CUTTER (PICK 89-4)	6.3
DANDY	6.3
ELITE (WVPB-88-PR-C-23)	6.3
GOALIE	6.3
KOOS 90-2	6.3
LEGACY	6.3
LOWGROW (PICK 89LLG)	6.3
PLEASURE	6.3
PRECISION (MOM LP 3147)	6.3
SEVILLE	6.3
TAYA	6.3
BARRAGE ++	6.0
CORSAIR (MVF 89-88)	6.0
PENNFINE	6.0
PS 89-90 (MVF 89-90)	6.0
RIVIERA	6.0
CALYPSO	5.7
LORETTA	5.7
856	5.0
LSD VALUE	5.0

1/ FLOOD RECOVERY RATED IN 1993 ONLY.

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).

TABLE 35. MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
1991-1994 DATA

NAME	MOWING RATINGS 1-9; 9=BEST 2/		
	OR9	WA3	MEAN
APM	6.7	8.0	7.3
BRIGHTSTAR (PST-GH-89)	6.7	8.0	7.3
PRELUDE II (2P2-90)	6.7	8.0	7.3
ELITE (WVPB-88-PR-C-23)	6.7	7.7	7.2
CAPRI (ZW 42-176)	7.0	7.3	7.2
LOWGROW (PICK 89LLG)	7.0	7.3	7.2
HE 311	6.7	7.3	7.0
LYNX (PICK EEC)	6.0	8.0	7.0
PATRIOT II	6.7	7.3	7.0
PRIZM (ZPS-28D)	6.3	7.7	7.0
SR 4200	6.7	7.3	7.0
AFFINITY (GEN-90)	5.7	8.0	6.8
ASSURE	6.0	7.7	6.8
ENVY	6.3	7.3	6.8
ADVENT	5.7	7.7	6.7
NIGHTHAWK (WVPB-89-PR-A-3)	6.7	6.7	6.7
PST-290	6.3	7.0	6.7
PST-20G	6.3	7.0	6.7
STALLION SELECT (PS-105)	6.0	7.3	6.7
WIND STAR (PST-28M)	6.3	7.0	6.7
COMPETITOR	7.0	6.0	6.5
DELAWARE DWARF (4DD)	5.7	7.3	6.5
DIMENSION (2H7)	6.0	7.0	6.5
GETTYSBURG	6.3	6.7	6.5
LEGACY	6.3	6.7	6.5
PALMER II (P89)	5.3	7.7	6.5
PASSPORT (PST-2FF)	6.3	6.7	6.5
PST-2ROR	6.0	7.0	6.5
YORKTOWN III (LDRF)	6.0	7.0	6.5
BAR LP 086FL	5.7	7.0	6.3
NOMAD	5.7	7.0	6.3
REPELL	5.7	7.0	6.3
SATURN	5.7	7.0	6.3
ESSENCE (PR 8820)	6.3	6.3	6.3
GREENLAND (PICK 9100)	5.3	7.3	6.3
QUICKSTART (PST-2FQR)	5.7	6.7	6.2
RIVIERA II (PICK DKM)	5.7	6.7	6.2
SHERWOOD	5.7	6.7	6.2
TARGET	5.7	6.7	6.2
ACHIEVER (PICK 1800)	5.3	7.0	6.2
COMMANDER	5.3	7.0	6.2
CUTLESS	6.0	6.3	6.2
MANHATTAN II (E)	5.3	7.0	6.2
REPELL II (LDRD)	6.0	6.3	6.2
240 (PEBBLE BEACH)	5.7	6.3	6.0

MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
1991-1994 DATA

NAME	MOWING RATINGS 1-9; 9=BEST		
	OR9	WA3	MEAN
BAR LP 852	6.0	6.0	6.0
BUCCANEER (KOOS 90-1)	5.7	6.3	6.0
CALYPSO	5.7	6.3	6.0
CHARISMA (WVPB 89-92)	5.7	6.3	6.0
CUTTER (PICK 89-4)	5.3	6.7	6.0
DANILO	5.7	6.3	6.0
EVENING SHADE (POLY-SH)	6.3	5.7	6.0
GATOR	5.7	6.3	6.0
NAVAJO (PST-2DPR)	6.0	6.0	6.0
SHINING STAR (PST-2B3)	5.3	6.7	6.0
TAYA	5.3	6.7	6.0
DANDY	5.0	6.7	5.8
LINDSAY	5.7	6.0	5.8
FR 9121	5.7	6.0	5.8
PST-23C	5.7	6.0	5.8
SEVILLE	4.7	7.0	5.8
LORETTA	6.3	5.3	5.8
PLEASURE	5.3	6.3	5.8
RIVIERA	5.3	6.3	5.8
ZPS-2EZ	4.3	7.3	5.8
CORSAIR (MVF 89-88)	5.7	5.7	5.7
PRECISION (MOM LP 3147)	5.7	5.7	5.7
89-666	5.0	6.3	5.7
ALLEGRO	6.0	5.3	5.7
CHARGER	5.3	6.0	5.7
CLP 144	6.3	5.0	5.7
CLP 39	6.0	5.3	5.7
ELEGANCE (OFI-F7)	5.0	6.3	5.7
EXPRESS	5.3	6.0	5.7
KOOS 90-2	5.0	6.3	5.7
MORNING STAR (SYN-P)	5.0	6.3	5.7
FRONTO (WVPB-89-87A)	5.0	6.3	5.7
STATESMAN (WVPB-88-PR-D-12)	5.0	6.3	5.7
TOPEKA (WVPB-88-PR-D-10)	5.0	6.3	5.7
COWBOY II (WM-II)	5.7	5.3	5.5
DANARO	5.3	5.7	5.5
EQUAL	5.0	6.0	5.5
PINNACLE	5.7	5.3	5.5
FR 9118	5.7	5.3	5.5
FR 9119	4.7	6.3	5.5
ES 89-90 (MVF 89-90)	5.3	5.7	5.5
REGAL	5.7	5.3	5.5
RODEO II	5.3	5.7	5.5
ACCOLADE	4.0	6.7	5.3
CITATION II	5.0	5.7	5.3



TABLE 35. MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1991-1994 DATA

MOWING RATINGS 1-9; 9=BEST

NAME	OR9	WA3	MEAN
EEG 358	6.7	4.0	5.3
ENTRAR	6.0	4.7	5.3
FIESTA II	4.0	6.7	5.3
MULLIGAN (NK 89001)	5.0	5.7	5.3
STALLION	5.3	5.3	5.3
BOARDWALK (OFI-D4)	4.7	5.7	5.2
C-21	5.0	5.3	5.2
MOM LP 3111	5.3	5.0	5.2
NEWLINN (N-33)	5.0	5.3	5.2
DERBY SUPREME	5.0	5.0	5.0
PENNFINE	5.0	.	5.0
PR 9108	4.7	5.3	5.0
PR 9109	4.7	5.3	5.0
UNKNOWN	5.0	.	5.0
856	4.7	5.0	4.8
BARRAGE	4.7	5.0	4.8
MOM LP 3185	5.0	4.7	4.8
PENNANT	4.0	5.7	4.8
CALIENTE	4.3	5.3	4.8
DUET	5.3	4.3	4.8
OVATION	5.3	4.3	4.8
SURPRISE	5.3	4.3	4.8
BARRAGE ++	4.7	4.7	4.7
METEOR	5.7	3.7	4.7
GOALIE	4.3	5.0	4.7
MOM LP 3184	4.3	5.0	4.7
MOM LP 3179	4.0	5.0	4.5
PREMIER	4.0	4.7	4.3
MOM LP 3182	4.3	4.3	4.3
TROUBADOUR	4.3	4.3	4.3
CARTEL	4.0	4.3	4.2
TORONTO	4.0	4.3	4.2
LINN	3.0	2.7	2.8
LSD VALUE	1.4	1.3	1.0

1/ MOWING RATED AT "OR9" IN 1991 AND AT "WA3" IN 1992.

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).