

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, a national director, and an executive coordinator. The program will not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings. The national director is responsible for the overall coordination and operation of the NTEP, including (1) soliciting entries and distribution of test seed sets to evaluators, (2) data summarization and distribution, and, (3) management of test materials, facilities, and finances.

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LOCATIONS SUBMITTING DATA FOR 1991

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

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	MVF 89-90	Mid Valley Farms
2	Calypso	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	ZW 42-176	Limagreen Genetics	50	PR 9121	International Seeds, Inc.	95	SR 4200	Seed Research of Oregon, 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	OFI-D4	Olson-Fennel Seed Company
9	Commander	LESCO, Inc.	54	Cutless	International Seeds, Inc.	99	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	104	Advent	Jacklin Seed Company
15	Mom Lp 3147	Advanta Seeds West, Inc.	60	Pick DKM	Pickseed West	105	APM	Jacklin Seed Company
16	Mom Lp 3184	Advanta Seeds West, Inc.	61	Pick 9100	Pickseed West	106	Pennfine	-
17	Mom Lp 3185	Advanta Seeds West, Inc.	62	Pick EEC	Pickseed West	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 & Pickseed	112	Cowboy II (WM-II)	Loft's Seed, Inc.
23	WVPB 89-92	Willamette Valley Plt. Br.	68	N-33	Barenbrug USA	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	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	PST-2FF	Pure-Seed Testing, Inc.			
36	Pebble Beach	Pennington Seed Co.	81	Quickstart (PST-2FQR)	Turf-Seed, Inc.			
37	WVPB-89-87A	Willamette Valley Plt. Br.	82	Shining Star (PST-2B3)	Pennington Seed, Inc.			
38	Fiesta II	Pickseed West	83	Envy	Zajac Performance Seeds			
39	Cutter (Pick 89-4)	Pickseed West	84	PST-20G	Turf-Seed, Inc.			
40	Lowgrow (Pick 89LLG)	Pickseed West	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	MVF 89-88	Mid Valley Farms			

TABLE A.

1991 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	SILTY CLAY LOAM	7.6-8.5	0-60	501+	4.1-5.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
DC1	-	-	-	-	1.1-2.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
ID2	SILT LOAM AND SILT	4.6-5.5	0-60	0-150	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
ID3	SILT LOAM AND SILT	4.6-5.5	0-60	0-150	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	-	-	-	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
IL2	SILTY CLAY AND CLAY	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	1.6-2.0	NO IRRIGATION
NJ1	LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	LOAM	6.1-6.5	271-450	151-240	6.1-7.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	-	-	-	-	-	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	151-240	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+	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
WA3	SANDY LOAM	5.6-6.0	0-60	151-240	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1991

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			
DC1						X	X	X	X	X	X	
IA1					X	X	X	X	X			
ID2							X	X	X	X	X	
ID3				X	X	X	X	X	X	X	X	
IL1										X		
IL2				X	X	X	X	X				
KS2				X								
KY1			X	X	X	X	X	X	X	X		
NJ1			X	X	X	X	X	X	X	X	X	
NJ2			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
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		
WA1							X		X	X		
WA3		X	X	X	X	X	X	X	X	X		

TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1991

LOCATION	GENETIC COLOR RATING	SPRING GREENUP RATING	LEAF TEXTURE RATING	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR
CO1				X							
DC1											
IA1											
ID2	X			X						X	
ID3	X	X		X					X		
IL1											
IL2											
KS2	X										
KY1											
NJ1	X					X				X	
NJ2											
NJ3	X	X	X		X	X	X				
OH1	X				X						
ON1				X	X			X			
OR7											
OR9	X			X							X
RI1								X			
UB1											
VA1											
WA1											
WA3	X										

TABLE B. (CONTINUED)

LOCATIONS AND DATA COLLECTED IN 1991

LOCATION	DROUGHT TOLERANCE WILTING	DROUGHT TOLERANCE DORMANCY	DROUGHT TOLERANCE RECOVERY	FUSARIUM PATCH	LEAF SPOT	DOLIAR SPOT	RED THREAD	BROWN PATCH	PYTHIUM BLIGHT	CROWN RUST	LEAF RUST	MOWING
CO1												
DC1												
IA1												
ID2												
ID3				X								
IL1												
IL2		X	X						X			
KS2												
KY1												
NJ1								X				
NJ2								X				
NJ3										X		
OH1												
ON1	X											
OR7												
OR9				X	X		X			X		X
RI1						X	X				X	
UB1												
VA1												
WA1												
WA3							X					

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-ONE LOCATIONS IN THE UNITED STATES AND CANADA
1991 DATA

	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																				1/	
NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
* AFFINITY (GEN-90)	7.2	3.5	5.9	6.5	6.6	8.7	7.2	8.0	5.8	6.9	7.2	6.3	7.4	6.4	5.9	6.6	4.0	7.6	4.6	7.2	6.6	6.5
* BRIGHTSTAR (PST-GH-89)	7.8	3.4	6.5	7.4	6.8	7.0	6.5	7.7	6.0	7.8	7.9	6.0	6.7	6.4	5.3	6.5	3.1	8.1	4.8	7.3	6.4	6.5
ZPS-28D	7.8	3.4	5.7	7.4	5.3	8.3	7.1	8.7	6.6	7.3	7.3	6.0	6.6	6.0	5.3	6.6	4.2	7.4	4.9	6.4	6.1	6.4
PICK 89-4	8.2	3.8	6.5	6.9	5.9	8.0	7.8	8.7	6.6	6.9	6.4	6.5	5.8	6.2	4.9	6.3	3.5	7.5	4.5	7.3	6.0	6.4
* PRELUDE II (2P2-90)	8.2	3.2	6.1	6.7	6.4	7.3	6.3	8.3	5.3	6.8	7.5	6.1	6.9	6.2	5.1	6.4	4.6	7.8	4.1	8.1	6.3	6.4
* APM	8.2	3.7	5.7	6.3	6.3	7.3	6.7	9.0	6.1	6.9	6.9	5.3	6.8	6.3	5.2	6.4	5.0	7.5	4.5	7.6	6.0	6.4
* ASSURE	8.2	3.4	5.7	7.1	6.6	8.0	6.9	8.3	6.2	6.7	6.3	6.1	6.8	6.2	4.5	6.3	4.7	7.3	4.0	7.9	6.4	6.4
PICK DKM	7.0	3.4	6.3	7.1	6.1	7.7	7.2	7.7	7.3	6.8	7.0	6.3	6.8	6.2	5.3	6.2	3.6	7.3	4.3	7.6	6.3	6.4
* YORKTOWN III (LDRF)	8.0	3.0	5.8	6.5	5.9	8.0	6.4	8.3	6.6	6.8	6.7	5.8	6.6	6.3	5.5	6.3	4.5	7.5	4.4	8.3	6.2	6.3
* EAGLE (WVPB-89PRA3)	8.0	3.6	6.2	6.9	6.6	7.7	6.1	8.3	6.2	6.4	6.3	6.1	6.7	6.2	5.3	6.0	4.5	7.3	4.1	8.0	6.3	6.3
PS-105	7.7	3.6	6.1	6.8	6.5	7.7	6.0	7.7	6.5	7.3	7.0	5.7	6.9	6.2	4.7	6.2	4.1	7.3	4.3	8.0	6.5	6.3
* PINNACLE	8.7	3.3	6.0	6.5	6.5	8.7	6.7	8.3	6.1	6.9	6.3	5.5	7.0	6.3	4.3	6.3	4.7	7.0	4.2	7.0	6.3	6.3
* ADVENT	8.3	3.6	5.9	6.1	6.2	8.3	6.6	8.0	5.7	6.9	6.4	5.1	6.8	6.0	5.2	6.2	4.3	7.3	4.9	8.0	6.4	6.3
* 4DD-DELAWARE DWARF	8.0	4.1	6.3	6.8	6.7	8.0	6.9	8.7	7.0	6.2	5.8	4.9	6.9	6.3	4.6	5.9	4.1	7.0	4.2	7.3	6.1	6.3
* REPELL II (LDRD)	7.8	3.7	5.2	6.3	6.0	8.0	6.1	8.3	6.5	6.9	7.3	6.2	6.1	6.2	4.8	6.3	4.0	7.8	4.5	6.9	6.5	6.3
PST-28M	7.5	3.2	6.3	5.9	5.8	8.0	7.3	8.7	6.2	6.6	7.1	5.7	6.8	6.0	4.8	6.6	3.9	7.6	4.6	6.7	6.4	6.3
* QUICKSTART (PST-2FQR)	8.2	2.8	6.1	6.5	6.3	8.0	6.8	8.3	5.5	6.8	7.1	6.0	6.2	6.6	4.6	6.4	4.3	7.2	4.2	7.0	6.7	6.3
89-666	7.7	3.8	5.9	7.3	6.5	8.0	6.9	8.0	6.8	6.5	6.0	5.2	6.6	6.1	4.4	5.9	4.4	7.0	4.3	7.4	6.6	6.3
PST-290	7.2	3.9	5.2	6.3	6.9	8.0	6.2	8.3	6.3	6.8	6.9	5.3	6.3	6.5	4.8	6.5	4.0	7.2	4.3	8.2	5.9	6.2
* PALMER II (P89)	7.8	3.4	5.5	5.3	6.1	7.0	6.8	8.3	6.5	6.9	7.8	6.2	6.0	6.1	5.0	6.3	3.8	7.8	4.3	7.7	6.4	6.2
* SR 4200	8.2	2.9	5.7	5.8	6.1	8.3	6.2	8.3	6.1	7.2	6.8	5.7	6.6	6.4	5.5	6.3	3.7	7.7	4.1	6.8	6.5	6.2
PICK 9100	7.0	3.3	5.1	7.5	6.8	7.0	6.6	9.0	6.4	6.3	7.0	5.8	5.8	6.3	4.8	6.5	3.7	7.5	4.3	7.7	5.9	6.2
* LEGACY	7.8	3.8	5.8	5.3	6.7	8.3	6.3	8.3	6.6	6.7	7.0	5.9	5.8	6.2	5.1	6.5	3.5	6.9	4.0	7.3	6.3	6.2
SYN-P	8.2	3.6	5.8	5.7	6.1	7.3	6.9	8.0	6.3	7.1	7.0	5.8	6.2	6.8	4.3	6.1	4.0	7.0	4.4	6.9	6.3	6.2
PST-2FF	7.5	3.5	5.7	6.3	5.7	.	6.8	8.7	6.5	7.3	6.9	5.8	6.6	6.1	4.6	6.8	3.7	7.5	4.3	7.2	6.4	6.2
* SEVILLE	7.7	3.9	5.1	6.6	6.1	8.3	6.0	8.3	5.9	6.3	6.6	5.3	7.1	6.4	4.5	6.3	3.9	6.8	4.1	7.9	6.4	6.2
PICK 1800	8.0	3.8	5.8	6.1	5.7	7.3	7.5	8.3	6.7	6.5	6.1	5.8	6.4	5.9	4.8	6.1	4.0	7.4	4.5	6.8	5.7	6.2
* DANDY	7.8	3.7	5.7	6.5	6.3	7.7	6.7	7.3	6.3	6.0	6.0	5.1	7.2	6.3	4.8	6.3	4.2	6.8	4.3	7.6	6.2	6.1
PICK 89LLG	8.2	3.1	6.6	7.6	6.3	.	5.8	8.0	4.3	5.5	5.7	5.8	6.3	6.3	6.0	6.3	4.0	7.2	4.9	7.9	6.5	6.1
* NAVAJO (PST-2DPR)	8.0	3.8	6.0	6.7	6.9	7.7	5.7	8.7	5.8	5.7	6.2	5.4	5.8	6.3	5.3	5.9	3.9	7.0	4.2	7.0	6.2	6.1
PICK EEC	7.7	3.4	5.3	7.1	5.7	6.3	6.5	7.3	5.9	7.0	6.9	5.7	5.7	6.1	4.9	6.5	4.1	7.7	4.4	7.7	6.1	6.1
MOM LP 3147	7.5	3.2	5.7	6.5	6.0	9.0	6.8	7.0	6.1	6.8	5.9	5.3	6.8	6.1	4.9	6.3	3.8	6.8	4.2	7.1	6.2	6.1
PST-2B3	8.0	3.3	5.9	5.8	7.2	7.3	6.1	8.0	5.5	6.3	5.7	5.5	6.5	6.4	5.0	6.2	4.3	6.9	4.4	7.0	6.4	6.1
* EQUAL	7.5	3.9	5.4	7.0	5.8	7.3	6.1	8.0	6.4	6.1	5.7	5.3	6.3	6.2	4.9	6.1	4.0	7.0	3.8	8.0	6.0	6.0
* ENVY	7.7	3.4	5.3	7.2	6.6	8.3	6.0	7.7	4.9	6.5	5.5	5.1	6.6	6.4	5.3	6.4	4.0	6.9	4.3	6.9	6.0	6.0
* DIMENSION (2H7)	7.7	3.2	5.8	6.5	6.2	7.7	5.9	8.0	6.0	6.4	5.7	5.6	6.3	6.6	4.8	6.0	3.9	7.0	3.8	7.1	6.7	6.0
* GETTYSBURG	7.7	2.9	5.7	6.1	6.4	8.0	5.9	5.7	5.3	7.2	7.1	6.0	6.4	6.1	4.4	6.3	4.2	7.4	4.4	6.9	6.2	6.0
* SHERWOOD	8.0	3.8	5.4	7.0	6.7	8.0	6.9	8.0	4.3	5.6	5.0	5.2	6.6	6.0	5.0	5.9	4.0	6.7	4.5	7.4	6.2	6.0
KOOS 90-1	7.3	3.6	5.9	6.5	6.0	7.0	6.6	8.7	5.4	6.6	6.3	5.2	6.5	6.1	3.8	5.9	3.8	7.3	4.4	7.4	5.9	6.0
PR 9121	7.7	4.3	5.4	6.3	6.3	7.0	5.7	8.7	5.2	5.4	6.3	5.1	6.3	6.3	5.5	6.4	4.0	7.0	4.5	7.1	5.7	6.0
* NOMAD	8.0	4.2	6.0	6.7	6.8	7.7	5.5	7.7	5.2	5.1	5.7	5.2	7.1	6.2	5.3	6.2	3.8	6.2	4.0	6.9	6.3	6.0
PST-23C	8.2	3.6	5.8	.	5.7	.	7.1	7.0	5.5	6.9	6.4	4.8	6.3	5.9	5.0	6.4	4.0	7.1	4.2	7.1	6.3	6.0
* ESSENCE (PR 8820)	7.8	3.7	5.8	5.7	6.9	7.0	6.1	8.0	5.3	5.3	5.0	4.6	6.4	6.2	6.3	6.5	3.9	7.0	4.4	7.7	5.6	6.0
WVPB-89-87A	7.8	3.3	5.7	5.7	6.5	7.7	6.3	8.0	6.0	5.8	6.0	4.5	6.6	6.1	4.2	6.1	4.4	6.8	4.3	7.3	6.1	6.0
* SATURN	8.0	3.3	5.3	6.3	6.8	8.0	5.7	8.3	6.2	5.4	4.8	5.3	6.8	6.7	4.8	6.2	3.8	6.4	3.8	7.0	6.3	6.0

TABLE 1. (CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-ONE LOCATIONS IN THE UNITED STATES AND CANADA
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TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																						
NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
OFI-F7	7.3	3.4	5.7	6.1	5.9	8.0	6.2	7.7	6.1	6.2	5.6	5.3	6.9	5.8	4.7	5.8	3.8	6.9	4.0	6.9	6.7	5.9
* PLEASURE	7.5	3.5	5.5	6.7	6.2	8.0	6.5	8.0	6.9	5.5	4.7	4.8	6.7	6.3	4.0	5.7	4.5	6.7	4.1	6.9	6.2	5.9
PST-2ROR	7.7	3.1	5.7	7.2	6.2	.	6.3	7.3	6.2	5.7	6.2	5.1	6.4	6.6	5.0	6.3	3.8	6.8	3.9	6.8	6.4	5.9
* CHARGER	7.0	3.5	5.9	5.3	6.2	7.0	5.7	8.0	5.9	5.9	5.7	5.0	6.6	6.4	5.2	6.4	4.3	6.1	4.2	7.8	6.3	5.9
PST-2OG	8.3	3.6	6.6	7.5	5.7	7.3	6.5	4.7	4.3	5.3	5.6	4.8	6.8	6.2	5.3	6.2	3.8	7.3	4.9	6.9	6.6	5.9
HE 311	7.3	3.3	6.2	6.5	5.6	8.0	5.7	7.3	5.9	4.9	5.3	5.8	6.5	6.8	5.2	5.8	3.8	7.2	4.7	6.8	5.4	5.9
* COMPETITOR	7.7	4.3	5.5	7.1	5.8	8.0	5.9	7.7	5.1	5.4	4.7	5.3	6.8	6.1	5.1	6.1	3.6	6.8	3.8	7.3	6.0	5.9
* PATRIOT II	7.5	3.1	5.4	8.3	6.0	7.7	5.3	7.0	5.8	5.9	5.0	4.9	6.0	6.6	5.3	6.5	4.2	6.3	3.4	7.2	6.7	5.9
KOOS 90-2	7.7	3.3	5.8	6.4	6.4	7.7	6.1	8.0	5.3	5.8	5.3	4.6	6.5	5.9	4.8	6.2	3.7	6.8	3.8	7.0	6.4	5.9
* EXPRESS	7.5	3.6	5.4	6.2	5.8	8.0	6.2	8.0	5.8	6.1	5.2	5.2	6.3	5.7	4.2	6.0	4.4	6.8	3.9	7.3	6.0	5.9
* PEBBLE BEACH	8.2	3.7	5.7	6.9	6.7	7.0	5.7	7.3	5.2	5.0	4.7	5.1	6.4	6.3	5.0	5.8	4.4	6.8	3.8	6.9	6.6	5.9
* TARGET	8.0	3.4	5.7	6.5	6.3	7.7	6.3	6.0	5.3	6.0	5.9	4.7	6.4	6.4	4.7	6.0	3.8	6.7	4.4	7.1	6.2	5.9
* COWBOY II (WM-II)	8.0	3.3	5.7	6.1	6.4	8.0	6.1	8.0	5.2	5.2	4.4	5.1	6.4	6.3	5.2	5.8	4.3	6.4	4.1	7.0	6.1	5.9
* REPELL	8.0	2.9	5.6	6.8	6.0	7.7	5.9	7.7	6.4	5.1	5.0	5.1	6.5	6.2	5.0	5.7	4.3	6.6	4.0	6.9	5.9	5.9
POLY-SH	7.7	3.1	6.4	6.4	6.3	7.7	5.2	8.0	5.5	5.2	5.5	5.3	6.2	6.1	5.1	6.0	3.7	7.3	3.8	7.1	5.7	5.9
N-33	8.0	3.1	5.9	6.5	6.4	8.0	5.7	8.0	5.7	5.1	4.5	5.2	6.6	6.3	5.0	5.9	4.2	7.0	3.7	6.4	5.9	5.9
* MANHATTAN II (E)	8.0	4.0	5.5	7.3	6.1	.	6.3	8.0	5.5	5.9	4.6	5.0	6.8	6.4	4.3	5.8	3.7	6.3	4.1	7.6	6.1	5.9
WVPB 89-92	8.0	2.8	5.5	6.1	6.3	8.3	5.7	7.7	5.9	5.3	5.1	4.8	6.2	6.5	5.3	6.3	4.0	6.9	4.0	6.3	6.0	5.9
PR 9119	7.5	3.5	5.8	6.3	6.2	.	5.7	8.0	6.0	5.9	5.9	5.0	6.3	5.9	4.7	6.1	4.1	7.0	4.2	7.2	5.6	5.8
MVF 89-90	7.8	3.3	5.7	6.5	6.4	7.0	5.4	8.0	4.9	5.4	5.4	5.0	6.5	6.1	4.7	5.6	4.0	6.7	4.0	7.4	6.7	5.8
* FIESTA II	7.7	3.6	5.5	6.7	6.3	7.7	6.2	8.0	5.9	5.2	4.7	5.1	6.3	6.1	4.0	5.7	3.9	6.1	3.9	6.9	6.8	5.8
* RODEO II	8.2	3.3	6.0	5.1	5.8	8.3	5.4	8.3	5.3	5.7	4.4	5.0	6.8	6.2	4.5	5.9	3.9	6.8	3.2	7.1	6.9	5.8
* ELITE (WVPB-88PRC23)	7.5	3.5	5.4	6.7	6.1	7.3	5.6	8.0	5.1	5.4	5.1	4.8	6.5	6.3	5.7	6.1	3.9	6.3	3.8	6.9	6.1	5.8
* COMMANDER	8.0	3.4	5.0	6.2	5.7	7.7	6.1	8.0	6.7	5.2	4.0	4.8	6.4	6.4	4.3	5.7	4.0	6.4	3.7	8.1	5.9	5.8
* ACCOLADE	7.8	4.1	4.9	7.5	6.6	7.3	5.3	8.3	5.7	5.9	3.9	4.4	6.1	6.2	4.6	5.8	4.3	6.1	4.2	6.6	6.0	5.8
* CUTLESS	7.8	3.5	5.7	6.7	6.4	8.0	5.3	7.7	5.7	5.1	4.6	4.3	6.3	6.0	5.0	6.1	4.0	6.4	3.8	6.7	6.2	5.8
* STATESMAN (WVPB-88PRD12)	7.3	4.0	5.5	6.3	6.1	.	5.8	8.0	5.0	6.0	4.6	5.0	6.7	6.2	4.8	6.0	4.1	6.1	3.8	7.2	6.6	5.8
EEG 358	8.3	3.4	6.4	6.3	6.3	8.0	4.9	7.0	4.8	4.3	4.6	4.5	6.8	6.4	5.6	5.7	4.1	7.1	3.8	6.8	6.0	5.8
ZPS-2EZ	7.3	3.2	5.3	7.8	6.3	7.0	5.1	5.7	4.4	6.3	6.2	4.9	5.9	5.9	4.3	6.0	3.9	6.6	3.8	8.1	6.2	5.7
PR 9109	7.7	3.6	5.9	6.2	5.5	7.7	5.9	8.0	5.4	4.7	4.3	4.5	6.3	6.3	5.2	5.8	3.8	6.7	4.0	6.6	6.0	5.7
* DERBY SUPREME	7.8	3.4	5.5	6.1	5.8	7.7	5.7	8.0	5.5	4.7	3.9	4.8	6.6	6.4	4.7	5.9	4.0	6.3	3.8	7.4	6.0	5.7
PR 9118	7.7	3.5	5.7	5.2	5.7	7.3	5.3	8.3	5.2	5.4	5.2	4.5	5.9	6.7	4.8	6.0	3.9	6.9	3.8	6.8	6.0	5.7
* RIVIERA	8.2	3.3	5.1	5.7	6.1	8.0	6.4	7.7	5.6	5.8	4.2	4.5	6.5	6.1	4.2	5.6	3.8	6.1	3.8	7.3	5.6	5.7
* LINDSAY	8.0	3.4	5.1	5.9	6.1	7.0	5.6	8.3	5.8	4.7	4.4	4.8	6.3	6.5	4.8	5.9	3.8	5.9	3.6	7.2	6.5	5.7
* TOPEKA (WVPB-88PRD10)	7.5	4.2	4.9	7.0	5.7	.	5.6	8.0	5.6	5.1	3.9	4.6	6.7	6.3	5.0	5.8	4.0	6.1	3.8	7.6	6.3	5.7
* PENNANT	8.0	4.8	5.5	5.9	6.2	.	5.9	8.0	4.7	5.5	4.0	4.8	6.4	6.2	4.3	5.6	4.3	5.8	4.1	7.4	6.1	5.7
* GATOR	7.3	3.8	5.3	6.8	6.3	.	5.5	8.0	5.4	4.8	4.6	4.8	6.9	6.1	4.3	6.1	4.0	6.1	4.2	6.7	6.2	5.7
ZW 42-176	7.7	3.2	5.6	5.3	6.2	7.0	5.5	7.7	4.0	5.0	4.4	4.8	6.4	6.5	5.3	6.3	4.6	6.0	4.2	7.0	6.0	5.7
MVF 89-88	7.0	3.6	5.8	6.7	5.8	7.7	5.3	8.3	5.5	5.1	3.9	4.5	6.5	6.1	4.7	5.9	3.7	5.6	4.2	6.6	6.0	5.6
UNKNOWN	7.5	3.0	5.2	6.3	6.3	.	5.6	8.0	5.7	5.0	4.4	4.5	6.8	6.4	5.0	5.7	4.1	5.9	3.8	7.6	.	5.6
* CALYPSO	7.7	3.7	5.6	5.9	6.2	7.7	5.8	7.7	5.3	5.1	3.7	4.5	6.3	6.1	4.5	5.4	4.0	5.7	3.8	7.2	6.2	5.6
* BARRAGE ++	7.5	4.3	5.5	6.1	5.6	8.0	5.5	8.0	4.9	4.4	4.1	4.5	6.6	6.1	5.2	5.4	3.2	6.5	4.0	6.6	5.9	5.6
MOM LP 3184	7.2	3.6	5.3	5.8	5.9	8.0	6.1	7.0	5.3	4.3	4.0	4.8	6.6	6.2	4.7	5.2	3.9	5.9	4.3	7.2	6.0	5.6
* PREMIER	7.5	3.8	5.1	6.8	6.4	.	6.1	7.7	6.0	4.4	3.5	4.8	7.1	6.0	3.8	5.4	4.1	6.0	4.3	6.9	6.0	5.6
* CITATION II	7.3	3.2	5.3	6.4	6.3	.	6.1	8.0	5.0	4.9	4.1	4.4	6.7	6.4	4.0	5.7	3.9	6.3	3.8	7.0	6.4	5.6

TABLE 1. (CONTINUED)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-ONE LOCATIONS IN THE UNITED STATES AND CANADA
1991 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																						
NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
BAR LP 086FL	8.3	3.2	5.7	6.5	5.7	7.0	5.2	6.3	4.3	4.5	5.1	3.9	6.0	6.3	4.9	5.8	4.1	6.0	3.8	6.7	6.9	5.5
BAR LP 852	7.2	3.6	5.5	5.7	5.9	8.0	5.7	7.7	4.9	4.9	3.6	4.4	5.8	6.1	4.3	5.6	4.1	6.4	3.8	7.3	6.1	5.5
* REGAL	7.7	3.5	4.7	6.1	6.6	.	5.9	8.0	6.2	4.5	4.4	4.7	6.4	6.0	4.0	5.3	4.0	6.2	3.8	6.1	6.1	5.5
PR 9108	7.8	2.8	5.9	5.9	5.5	.	5.3	8.0	5.9	4.6	3.6	4.5	6.6	5.9	4.9	5.7	3.7	6.0	4.1	6.8	6.4	5.5
* TAYA	7.2	3.4	5.1	6.3	5.8	7.7	5.6	8.0	5.5	4.2	3.9	3.8	6.3	6.4	4.8	5.6	3.8	5.9	3.7	6.4	5.8	5.5
OFT-D4	7.3	3.5	5.8	6.4	5.8	8.3	4.7	7.0	5.0	4.2	3.9	4.3	6.4	6.3	4.5	5.7	3.4	6.2	3.2	6.7	6.2	5.5
* CALIENTE	7.5	4.1	4.6	6.5	5.8	7.3	5.8	7.3	5.7	4.0	3.6	4.6	6.9	5.8	3.2	5.0	4.1	5.8	4.0	7.0	6.4	5.5
C-21	7.3	3.8	5.7	5.1	5.5	7.0	5.2	7.0	5.6	4.9	4.1	4.2	6.5	6.3	5.0	5.8	3.9	5.7	3.7	6.8	5.6	5.5
856	8.0	3.1	5.3	5.3	6.0	7.3	5.3	7.7	5.5	4.0	3.1	4.3	6.5	6.3	4.2	5.4	4.1	5.6	3.6	6.9	5.9	5.4
* ALLEGRO	7.5	3.5	5.1	6.1	5.5	7.7	5.1	5.7	4.8	4.1	3.7	4.4	6.4	6.4	5.4	5.8	4.0	5.4	3.6	7.3	5.8	5.4
* MULLIGAN (NK 89001)	7.5	3.6	4.8	5.5	5.6	8.0	5.3	6.7	4.8	4.7	3.4	4.2	6.9	6.1	4.1	5.2	3.6	5.8	3.8	7.1	6.1	5.4
* STALLION	7.5	3.1	4.9	5.5	6.1	.	5.6	7.0	5.5	5.0	3.8	4.5	6.3	6.2	4.5	5.6	4.0	5.8	3.7	6.6	6.1	5.4
* BARRAGE	7.0	3.7	5.3	6.3	5.8	.	5.3	8.0	5.4	4.1	3.6	4.3	6.6	6.3	4.5	5.5	3.4	6.4	3.8	6.3	5.6	5.4
CLP 39	7.2	3.4	5.3	6.6	6.3	.	4.5	7.7	4.8	3.7	3.0	4.1	6.3	6.5	5.5	5.7	4.0	5.5	3.8	7.0	6.2	5.3
* LORETTA	7.2	4.2	4.9	6.1	5.8	.	4.9	7.3	4.5	4.1	2.8	3.7	6.2	6.7	5.4	5.3	3.7	5.9	3.8	6.4	5.9	5.2
* DUET	7.2	2.6	5.8	5.8	5.2	7.7	5.5	7.0	4.1	4.1	3.7	4.5	6.5	6.1	3.9	5.1	3.6	5.8	3.5	6.8	5.4	5.2
DANILO	7.2	2.8	4.6	6.7	5.8	6.7	5.1	5.7	4.7	3.7	3.2	4.3	6.9	6.3	4.3	5.3	4.0	5.4	3.9	7.1	5.9	5.2
CLP 144	6.8	2.8	5.5	5.6	5.8	7.3	4.7	4.3	4.7	4.2	3.4	3.7	6.3	6.5	5.5	5.8	3.6	6.1	3.7	6.8	6.1	5.2
* OVATION	6.7	3.2	4.8	6.1	6.1	8.0	5.3	6.7	5.0	3.6	2.3	4.0	6.4	6.4	4.5	5.0	3.9	5.3	3.5	6.4	5.9	5.2
MOM LP 3182	7.0	2.9	5.3	5.5	5.4	8.3	5.3	6.3	5.3	4.1	3.3	3.9	6.8	6.4	4.0	4.8	3.7	5.7	3.7	5.9	5.5	5.2
TORONTO	7.3	3.2	4.5	6.0	5.4	7.7	4.5	7.3	5.0	3.5	2.8	3.9	6.7	6.3	4.6	5.1	3.8	5.4	3.8	6.0	6.1	5.2
* ENTRAR	6.7	3.1	5.3	6.4	5.3	8.0	4.4	7.0	4.6	3.9	3.4	4.0	6.1	6.2	4.2	5.4	4.0	5.8	2.8	6.4	5.9	5.2
DANARO	7.2	3.6	5.4	5.7	5.9	7.0	4.3	6.7	4.3	3.9	2.2	4.7	6.3	6.1	4.7	5.2	3.5	5.3	3.8	6.3	5.3	5.1
MOM LP 3185	7.5	3.2	4.7	5.7	5.3	.	5.5	7.0	5.5	3.7	3.0	3.7	6.8	6.4	4.3	4.9	4.0	5.0	3.3	6.4	5.7	5.1
* TROUBADOUR	7.5	3.1	5.3	5.9	5.9	7.0	3.7	6.7	4.3	3.6	3.0	3.5	6.7	6.1	4.4	5.3	3.4	5.3	3.2	5.7	5.9	5.0
MOM LP 3111	6.7	2.6	4.7	6.1	5.3	8.0	4.5	5.7	4.3	3.3	2.9	3.8	6.2	5.9	4.7	5.3	3.9	5.4	3.5	6.6	5.9	5.0
* SURPRISE	6.5	3.4	4.9	5.7	5.5	7.0	3.9	7.0	4.7	3.4	3.1	3.8	6.0	6.3	4.5	5.4	3.7	4.6	3.0	6.3	5.5	5.0
MOM LP 3179	6.7	3.3	4.5	5.6	5.1	.	4.7	6.0	4.0	3.4	2.9	4.0	6.3	5.9	4.3	4.6	4.0	5.5	3.7	6.7	5.9	4.9
* GOALIE	7.0	3.3	4.5	5.7	5.8	.	4.5	7.7	4.8	3.0	2.3	3.5	6.1	6.1	4.0	4.8	3.0	5.2	3.0	6.3	5.3	4.8
* PENNFINE	7.7	3.5	4.4	6.0	5.0	.	4.3	5.7	4.7	3.8	2.4	3.8	6.6	6.2	4.1	4.8	3.6	4.7	3.3	6.4	.	4.8
* CARTEL	6.3	2.7	4.6	4.2	5.0	7.7	4.1	6.3	4.3	3.0	2.8	3.3	6.0	6.3	4.5	4.8	3.8	4.0	2.8	6.2	6.9	4.7
* METEOR	6.3	2.6	5.5	5.3	4.9	7.7	4.5	5.7	3.7	3.2	2.6	3.2	6.3	6.2	5.1	5.1	3.4	4.0	2.4	5.3	5.8	4.7
* LINN	4.7	2.4	4.3	3.6	3.0	.	3.0	4.0	3.5	1.9	1.1	2.2	5.6	5.3	3.2	3.4	2.9	3.3	2.8	4.7	4.9	3.5
LSD VALUE	1.0	1.1	0.9	1.5	1.1	1.3	0.9	1.1	1.6	0.8	0.9	0.8	0.8	0.6	0.9	0.4	0.7	0.7	0.7	1.5	0.8	0.2

* COMMERCIALY AVAILABLE IN THE UNITED STATES IN 1992

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-ONE LOCATIONS IN THE U.S. AND CANADA 1991 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
AFFINITY (GEN-90)	6.0	6.8	6.2	6.8	6.4	6.3	6.4	6.1	6.1	6.4	6.0	6.2	6.5
BRIGHTSTAR (PST-GH-89)	5.7	5.3	6.1	7.0	6.9	6.5	6.4	6.2	6.3	6.2	5.9	4.3	6.5
ZPS-28D	5.3	5.3	5.8	6.9	6.3	6.1	6.3	6.2	6.2	6.3	5.9	5.3	6.4
PICK 89-4	6.0	5.5	5.9	6.8	5.9	5.7	6.2	6.2	6.3	6.5	5.9	5.3	6.4
PRELUDE II (2P2-90)	7.0	5.8	6.0	6.8	6.2	6.1	6.5	6.0	6.1	6.2	5.7	5.5	6.4
APM	7.0	6.3	6.1	6.7	6.1	6.0	6.5	6.1	6.1	6.1	5.5	5.5	6.4
ASSURE	6.3	6.5	6.2	6.8	6.1	5.9	6.4	5.9	6.0	6.2	5.6	4.7	6.4
PICK DKM	6.7	6.0	6.1	6.7	6.2	6.3	6.2	6.2	6.1	6.4	5.9	5.0	6.4
YORKTOWN III (LDRF)	7.0	5.7	5.9	6.5	6.1	6.0	6.3	5.9	6.0	6.6	5.6	6.0	6.3
EAGLE (WVPB-89PRA3)	5.3	6.2	5.5	6.8	6.2	5.9	6.2	5.8	6.1	6.3	5.8	5.0	6.3
PS-105	6.7	6.3	6.0	6.6	5.9	6.0	6.3	6.1	6.2	6.5	5.7	4.8	6.3
PINNACLE	7.0	6.5	5.5	6.5	5.9	5.9	6.2	5.9	6.1	6.2	5.6	4.7	6.3
ADVENT	6.7	5.7	5.9	6.2	6.0	6.0	6.4	5.9	6.0	6.2	5.2	5.5	6.3
4DD-DELAWARE DWARF	5.3	5.8	6.1	6.3	5.7	6.1	6.3	5.8	5.9	6.0	5.5	5.7	6.3
REPELL II (LDRD)	7.0	5.8	6.0	6.8	6.2	5.8	6.2	6.1	6.0	6.3	5.6	5.0	6.3
EST-28M	6.7	5.8	5.8	6.7	5.9	6.0	6.2	6.0	6.0	6.3	5.5	5.0	6.3
QUICKSTART (PST-2FQR)	6.3	6.2	6.0	6.6	5.9	5.8	6.2	6.1	6.1	6.3	5.6	4.5	6.3
89-666	6.3	5.8	6.1	6.4	5.5	5.7	6.3	6.1	6.1	6.3	5.5	4.7	6.3
EST-290	5.7	5.5	6.1	6.5	5.9	5.9	6.2	6.0	6.1	6.3	5.6	4.8	6.2
PALMER II (P89)	7.3	4.7	5.9	6.8	6.3	5.9	6.4	5.9	6.0	6.1	5.8	5.0	6.2
SR 4200	5.3	6.2	5.9	6.6	6.1	5.9	6.1	6.0	6.0	6.2	5.5	5.5	6.2
PICK 9100	6.7	5.2	5.7	6.8	6.2	5.8	6.2	6.0	5.9	6.2	5.7	4.7	6.2
LEGACY	7.0	5.7	6.1	6.9	6.1	5.8	6.0	5.6	6.0	6.1	5.5	5.3	6.2
SYN-P	7.3	6.2	6.4	6.4	5.8	5.9	6.3	6.0	6.0	6.0	5.5	4.3	6.2
EST-2FF	7.0	6.0	5.8	6.9	5.9	5.9	6.1	6.2	6.0	6.1	5.6	5.2	6.2
SEVILLE	6.7	6.5	6.1	6.3	5.8	5.7	6.2	5.7	5.8	6.1	5.4	4.7	6.2
PICK 1800	6.3	5.2	6.1	6.5	5.5	5.8	6.3	6.0	5.9	6.0	5.4	4.5	6.2
DANDY	6.7	6.0	6.1	6.0	5.5	5.9	6.3	5.6	6.1	6.0	5.4	5.2	6.1
PICK 89LLG	5.3	5.5	5.3	6.4	6.5	6.1	5.9	5.4	5.8	6.1	5.4	5.3	6.1
NAVAJO (PST-2DPR)	6.0	5.8	5.5	6.9	6.1	5.6	5.8	5.4	5.7	6.0	5.8	5.5	6.1
PICK EEC	7.0	5.0	5.9	6.3	6.0	5.7	6.1	6.0	6.3	6.2	5.6	5.2	6.1
MDM LP 3147	6.3	5.8	6.0	6.0	5.5	5.6	6.0	5.7	6.1	6.4	5.6	5.5	6.1
EST-2B3	6.3	6.0	6.1	6.4	5.5	5.7	6.0	5.6	6.0	6.2	5.7	5.0	6.1
EQUAL	6.7	6.0	5.7	6.1	5.6	5.7	6.1	5.6	5.8	6.0	5.4	5.3	6.0
ENVY	6.7	6.2	5.6	6.3	5.8	5.7	5.9	5.5	5.6	6.0	5.5	5.2	6.0
DIMENSION (2H7)	5.3	6.2	6.0	6.4	5.8	5.4	5.8	5.7	6.0	6.2	5.6	4.7	6.0
GETTYSBURG	7.3	5.8	5.7	6.3	5.9	5.9	6.1	5.6	6.0	6.2	5.8	4.7	6.0
SHERWOOD	5.7	6.0	5.0	6.0	5.4	5.7	5.9	5.5	5.7	5.8	5.4	5.5	6.0
KOOS 90-1	6.0	5.3	5.7	6.4	5.7	5.7	6.0	5.7	5.7	5.9	5.2	3.7	6.0
FR 9121	6.7	5.0	5.6	6.5	5.8	5.7	5.7	5.4	5.7	5.9	5.5	6.0	6.0
NOMAD	6.7	5.5	5.3	6.3	6.1	5.9	5.7	5.2	5.6	5.9	5.4	5.3	6.0
EST-23C	7.0	6.0	6.1	6.1	5.7	5.8	6.2	5.7	5.9	5.7	5.2	5.3	6.0
ESSENCE (PR 8820)	5.0	5.3	4.9	6.5	6.2	6.1	5.8	5.2	5.5	5.6	5.1	6.3	6.0
WVPB-89-87A	6.7	5.8	5.7	6.3	5.6	5.4	5.9	5.4	5.8	5.9	5.2	4.7	6.0
SATURN	7.0	6.2	5.8	6.3	5.5	5.4	6.0	5.3	5.6	5.7	5.2	5.5	6.0

TABLE 2.
(CONTINUED)

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

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
OFI-F7	5.3	6.3	5.5	6.2	5.6	5.5	5.9	5.8	5.8	5.8	5.4	4.7	5.9
PLEASURE	6.3	5.7	5.7	6.1	5.2	5.6	5.9	5.5	5.7	5.8	5.0	4.5	5.9
PST-2ROR	6.0	5.2	4.7	6.4	5.8	5.7	6.0	5.7	5.7	6.3	5.5	5.2	5.9
CHARGER	5.7	5.8	6.2	6.4	5.5	5.5	5.8	5.4	5.9	5.9	5.3	5.2	5.9
PST-2OG	5.7	6.0	4.9	5.7	5.7	5.8	6.1	5.6	6.0	6.0	5.3	5.0	5.9
HE 311	4.7	4.3	4.7	6.0	5.9	6.0	6.1	5.5	5.4	5.7	5.0	5.0	5.9
COMPETITOR	5.0	6.0	5.2	6.1	5.6	5.3	5.8	5.2	5.6	5.9	5.4	5.3	5.9
PATRIOT II	6.0	6.2	6.2	6.3	6.1	5.5	5.6	5.2	5.5	6.2	5.3	5.5	5.9
KOOS 90-2	7.0	5.5	5.7	6.0	5.3	5.5	5.7	5.4	5.6	6.0	5.5	5.7	5.9
EXPRESS	6.7	5.3	5.7	6.1	5.5	5.3	6.0	5.3	5.6	5.8	5.1	4.7	5.9
PEBBLE BEACH	4.7	6.2	5.6	6.0	5.5	5.6	5.8	5.4	5.6	5.8	5.3	5.2	5.9
TARGET	6.0	5.5	5.0	5.9	5.6	5.6	6.0	5.7	5.8	5.8	5.2	4.8	5.9
COWBOY II (WM-II)	5.3	5.2	5.6	5.9	5.3	5.5	5.8	5.5	5.8	5.6	4.8	5.0	5.9
REPELL	7.0	5.0	5.3	5.8	5.6	5.7	5.9	5.3	5.5	5.7	4.9	4.8	5.9
POLY-SH	4.0	5.0	5.7	6.7	6.0	5.5	5.6	5.0	5.4	5.8	5.1	5.2	5.9
N-33	6.7	5.7	5.7	6.2	5.4	5.4	5.7	5.5	5.5	5.6	5.0	5.0	5.9
MANHATTAN II (E)	6.0	5.8	5.3	5.9	5.3	5.4	5.7	5.4	5.8	5.9	5.3	4.3	5.9
WVPB 89-92	6.0	5.8	5.6	6.4	5.9	5.8	5.7	5.1	5.3	5.7	5.1	5.0	5.9
PR 9119	5.7	5.2	5.7	6.5	5.7	5.6	5.5	5.2	5.8	5.9	5.3	5.0	5.8
MVF 89-90	5.7	6.3	5.4	6.2	5.5	5.6	5.6	5.3	5.5	5.8	5.1	5.2	5.8
RODEO II	7.0	6.2	6.1	6.2	5.3	5.1	5.6	5.1	5.4	5.8	5.1	4.8	5.8
FIESTA II	5.7	6.0	6.1	5.7	5.3	5.6	5.8	5.3	5.4	5.6	5.2	5.0	5.8
ELITE (WVPB-88PRC23)	5.7	6.5	5.3	6.2	5.8	5.6	5.5	4.9	5.5	5.8	5.3	5.3	5.8
COMMANDER	5.3	5.5	5.7	6.1	5.1	5.2	5.7	5.3	5.4	5.7	4.7	4.5	5.8
ACCOLADE	7.0	5.8	6.3	6.0	5.1	5.4	5.8	5.3	5.4	5.6	4.8	4.8	5.8
CUTLESS	6.7	5.7	5.1	6.0	5.8	5.6	5.5	5.1	5.3	5.8	5.0	4.8	5.8
STATESMAN (WVPB-88PRD12)	5.7	6.2	6.1	6.4	5.4	5.3	5.6	5.1	5.5	5.7	5.3	4.8	5.8
EEG 358	5.0	4.8	4.3	5.8	5.8	5.6	5.6	5.1	5.4	5.8	4.7	5.3	5.8
ZFS-2EZ	6.7	5.5	5.7	5.7	5.4	5.2	5.7	5.5	5.9	6.0	5.5	5.0	5.7
PR 9109	6.0	5.8	5.7	5.9	5.0	5.2	5.8	5.1	5.4	5.5	4.9	5.0	5.7
DERBY SUPREME	5.7	5.3	4.9	5.9	5.1	5.3	5.6	5.2	5.4	5.6	4.9	5.0	5.7
PR 9118	5.7	5.5	5.3	6.3	5.4	5.3	5.5	5.0	5.4	5.8	4.9	5.0	5.7
RIVIERA	6.3	5.2	5.3	5.8	5.2	5.2	5.6	5.1	5.3	5.5	5.0	4.3	5.7
LINDSAY	6.3	6.2	5.5	6.0	5.3	5.3	5.4	5.0	5.4	5.6	4.8	4.7	5.7
TOPEKA (WVPB-88PRD10)	7.0	5.3	5.7	5.9	5.1	5.4	5.6	5.0	5.5	5.7	5.0	5.0	5.7
PENNANT	6.0	6.2	5.7	5.8	4.9	5.4	5.8	5.2	5.4	5.2	5.1	4.2	5.7
GATOR	7.0	5.8	5.3	6.2	5.3	5.4	5.6	5.2	5.4	5.5	4.8	4.8	5.7
ZW 42-176	6.0	4.8	5.3	6.3	5.9	5.7	5.6	4.5	4.9	5.4	4.9	5.3	5.7
MVF 89-88	5.3	5.5	5.2	6.0	5.1	5.2	5.4	5.0	5.3	5.5	4.8	5.0	5.6
UNKNOWN	6.0	5.7	5.4	5.6	5.1	5.2	5.6	5.2	5.5	5.4	5.0	5.2	5.6
CALYPSO	6.3	6.2	5.3	5.6	5.0	5.3	5.5	5.0	5.3	5.4	4.8	4.7	5.6
BARRAGE ++	6.0	6.3	5.0	5.7	5.3	5.4	5.5	4.8	5.1	5.3	4.4	5.3	5.6
MCM LP 3184	4.7	5.8	4.6	5.5	4.8	5.1	5.5	5.2	5.5	5.8	4.5	5.0	5.6
PREMIER	6.7	5.7	5.3	5.6	4.7	5.2	5.7	5.2	5.4	5.3	4.8	4.2	5.6
CITATION II	6.0	6.5	5.5	6.0	5.0	5.1	5.6	5.1	5.3	5.3	4.6	4.5	5.6

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

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BAR LP 086FL	5.3	6.3	4.7	5.6	5.5	5.5	5.5	4.9	5.2	5.6	4.6	5.0	5.5
BAR LP 852	6.0	4.5	6.2	6.0	4.7	4.9	5.5	4.9	4.9	5.5	4.8	4.3	5.5
REGAL	6.0	4.7	5.5	6.2	5.1	5.4	5.6	5.1	5.1	5.1	4.6	3.5	5.5
PR 9108	6.3	6.2	5.6	5.6	4.8	5.2	5.5	5.1	5.2	5.2	4.7	5.2	5.5
TAYA	5.0	5.2	5.2	6.0	5.7	5.3	5.0	4.5	4.8	5.4	4.5	4.8	5.5
OFI-D4	5.3	6.0	5.3	5.7	4.9	5.0	5.1	4.7	5.1	5.5	5.0	5.2	5.5
CALIENTE	4.3	6.0	4.8	5.5	4.6	5.1	5.5	5.0	5.1	5.4	4.4	3.8	5.5
C-21	6.0	5.3	5.0	5.5	5.2	5.4	5.3	4.9	5.0	5.4	4.8	5.5	5.5
856	6.3	5.5	4.9	5.6	4.9	5.0	5.3	4.9	5.0	5.0	4.2	4.8	5.4
ALLEGRO	6.0	5.5	4.5	5.4	5.6	5.3	5.0	4.6	4.9	5.5	4.6	5.5	5.4
MULLIGAN (NK 89001)	5.7	5.7	4.6	5.0	4.7	5.0	5.4	4.7	5.2	5.3	4.4	4.5	5.4
STALLION	6.3	6.3	5.5	5.5	4.7	5.1	5.5	5.0	5.1	5.1	4.9	5.0	5.4
BARRAGE	5.7	5.0	5.1	5.7	5.4	5.3	5.1	4.6	5.0	5.3	4.3	4.7	5.4
CLP 39	5.7	5.8	4.5	5.8	5.6	5.2	5.0	4.5	5.0	5.2	4.4	5.3	5.3
LORETTA	4.3	4.8	4.4	5.6	5.4	5.3	5.1	4.5	4.8	5.0	4.2	5.0	5.2
DUET	3.0	4.7	4.2	5.1	4.3	4.8	5.1	4.6	5.0	5.5	4.4	4.2	5.2
DANILO	5.7	5.5	4.1	5.1	5.2	5.1	5.2	4.4	4.9	5.2	4.4	4.7	5.2
OVATION	5.7	5.2	4.7	5.3	4.9	4.8	4.9	4.4	4.8	5.0	4.3	5.2	5.2
MOM LP 3182	5.7	4.3	4.1	5.3	4.7	4.9	5.0	4.5	4.8	5.2	4.4	4.0	5.2
CLP 144	7.3	5.8	4.3	5.2	5.6	5.3	5.1	4.4	4.8	5.3	4.1	4.7	5.2
TORONTO	6.0	5.5	4.5	5.3	4.6	4.9	5.1	4.4	4.7	5.0	4.1	4.7	5.2
ENTRAR	7.0	5.3	4.2	5.3	5.1	4.9	4.8	4.3	4.8	5.4	4.3	4.3	5.2
DANARO	4.7	4.2	3.9	5.2	5.0	4.9	4.9	4.5	4.7	5.0	4.0	4.8	5.1
MOM LP 3185	5.7	5.7	4.3	5.0	4.4	4.8	5.1	4.6	4.9	5.1	3.9	4.7	5.1
TROUBADOUR	5.3	5.0	4.3	5.2	5.2	4.8	4.6	4.1	4.5	4.8	4.2	4.8	5.0
MOM LP 3111	6.0	5.0	4.1	5.0	4.6	4.7	4.8	4.3	4.6	5.1	4.1	5.0	5.0
SURPRISE	7.0	4.8	4.8	5.4	4.8	4.7	4.6	4.0	4.5	4.9	4.0	4.3	5.0
MOM LP 3179	4.3	5.3	3.7	4.9	4.5	4.6	5.0	4.2	4.6	5.0	4.0	4.2	4.9
GOALIE	4.3	4.2	4.4	5.5	4.5	4.4	4.9	4.0	4.3	4.5	3.5	3.7	4.8
PENNFINE	5.0	4.3	4.2	4.4	4.3	4.6	5.2	4.2	4.6	4.3	4.2	4.2	4.8
CARTEL	5.0	5.7	4.6	4.9	4.7	4.6	4.4	3.9	4.1	4.6	3.6	4.7	4.7
METEOR	5.3	5.7	3.6	5.2	4.6	4.6	4.4	3.9	4.1	4.5	3.6	5.2	4.7
LINN	3.0	4.0	2.9	3.6	3.0	3.3	3.7	3.1	3.0	3.5	2.5	3.7	3.5
LSD VALUE	1.8	1.4	0.9	0.6	0.5	0.5	0.6	0.6	0.7	0.6	0.8	1.1	0.5

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

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-ONE LOCATIONS IN THE UNITED STATES AND CANADA 1/
1991 DATA

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

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
AFFINITY (GEN-90)	102.5	52.5	24.0	44.5	13.5	2.5	4.5	48.0	45.0	15.5	6.0	2.0	1.0	29.5	3.0	3.0	38.5	7.5	7.5	46.5	14.0	1
BRIGHTSTAR (PST-GH-89)	43.0	63.0	3.5	8.0	6.5	89.0	24.5	75.5	36.0	1.0	1.0	9.5	33.5	21.5	18.0	5.5	121.0	1.0	5.0	35.0	24.0	2
ZPS-28D	43.0	67.0	53.5	7.0	114.5	8.5	6.5	6.5	9.0	2.0	5.0	11.5	45.5	108.0	18.0	2.0	22.5	16.0	2.5	108.5	59.0	3
PICK 89-4	11.5	16.0	3.5	21.0	74.0	28.0	1.0	6.5	9.0	13.0	23.5	1.0	119.5	61.5	50.0	26.0	113.0	9.5	11.5	35.0	76.5	4
PRELUDE II (2P2-90)	11.5	90.0	12.5	28.5	28.0	74.0	32.0	20.0	75.0	21.0	3.0	7.5	10.5	65.0	32.5	13.0	4.5	3.0	51.0	4.5	34.0	5
APM	11.5	26.5	44.5	64.0	41.5	74.0	18.5	1.5	30.0	10.0	15.0	30.0	18.0	41.5	28.0	12.0	1.0	9.5	11.5	19.5	85.0	6
ASSURE	11.5	72.0	53.5	15.5	13.5	28.0	11.0	20.0	25.0	23.5	26.5	7.5	18.0	74.0	83.5	22.0	2.5	23.5	60.5	11.0	24.0	7
PICK DKM	111.0	67.0	8.0	13.0	63.0	55.0	4.5	75.5	1.0	18.5	12.0	3.0	25.5	74.0	14.0	34.5	108.5	23.5	25.5	22.5	37.5	8
YORKTOWN III (LDRF)	27.0	108.5	35.0	49.0	77.5	28.0	27.5	20.0	7.0	18.5	20.0	15.0	45.5	50.5	7.0	30.5	8.0	13.0	18.5	1.0	52.5	9
EAGLE (WVPB-89PRA3)	27.0	34.5	10.5	21.0	16.5	55.0	49.0	20.0	25.0	30.0	26.5	6.0	33.5	74.0	22.0	52.5	6.5	17.5	51.0	8.5	34.0	10
PS-105	59.0	34.5	14.0	25.0	19.5	55.0	52.0	75.5	12.0	3.5	10.0	21.5	10.5	61.5	73.5	39.5	34.0	17.5	31.5	6.5	15.0	11
PINNACLE	1.0	77.5	16.5	41.0	21.5	2.5	17.0	20.0	30.0	13.0	26.5	26.5	6.0	41.5	95.5	30.5	2.5	37.0	40.5	62.5	37.5	12
ADVENT	3.5	34.5	20.0	84.0	48.0	8.5	20.5	48.0	52.5	15.5	22.0	45.0	18.0	108.0	28.0	34.5	15.0	20.5	2.5	8.5	24.0	13
4DD-DELAWARE DWARF	27.0	9.5	8.0	25.0	11.5	28.0	8.5	6.5	2.0	37.0	40.0	61.0	10.5	56.0	80.0	60.0	34.0	33.0	40.5	35.0	65.0	14
REPELL II (LDRD)	43.0	26.5	97.0	60.0	70.0	28.0	43.0	20.0	12.0	10.0	4.0	4.0	107.5	74.0	58.0	19.5	61.5	3.0	11.5	73.0	16.5	15
PST-28M	78.0	94.0	8.0	89.0	82.5	28.0	3.0	6.5	22.0	25.5	9.0	23.5	25.5	108.0	63.5	4.0	68.5	7.5	7.5	94.5	24.0	16
QUICKSTART (PST-2FQR)	11.5	117.5	12.5	49.0	36.0	28.0	14.5	20.0	60.0	18.5	8.0	11.5	102.5	6.5	80.0	18.0	19.0	28.0	40.5	62.5	5.0	17
89-666	59.0	23.0	24.0	9.0	21.5	28.0	11.0	48.0	4.0	27.5	36.0	40.0	45.5	98.0	93.0	60.0	11.0	33.0	25.5	28.0	13.0	18
PST-290	102.5	14.0	95.5	67.5	2.5	28.0	37.0	20.0	20.0	22.0	16.5	30.0	86.0	12.5	54.5	8.5	52.0	26.0	31.5	2.0	93.5	19
PALMER II (P89)	43.0	72.0	63.5	116.0	57.0	89.0	14.5	20.0	14.0	10.0	2.0	5.0	112.0	103.0	45.5	19.5	92.5	3.0	25.5	15.5	30.0	20
SR 4200	11.5	110.0	53.5	96.0	63.0	8.5	37.0	20.0	30.0	6.0	19.0	21.5	45.5	21.5	9.0	26.0	105.5	5.0	51.0	83.5	18.5	21
PICK 9100	111.0	85.0	103.0	4.0	5.0	89.0	22.0	1.5	16.0	33.0	12.0	18.5	117.0	50.5	63.5	8.5	100.5	11.5	31.5	15.5	96.0	22
LEGACY	43.0	18.0	29.0	116.0	9.5	8.5	29.5	20.0	9.0	23.5	14.0	13.0	119.5	74.0	35.0	11.0	114.0	43.0	60.5	30.0	41.5	23
SYN-P	11.5	39.5	35.0	98.5	57.0	74.0	8.5	48.0	18.5	7.0	12.0	15.0	102.5	1.5	102.0	43.0	61.5	33.0	18.5	73.0	37.5	24
PST-2FF	78.0	52.5	53.5	67.5	101.5	.	14.5	6.5	12.0	3.5	16.5	18.5	45.5	98.0	80.0	1.0	105.5	11.5	25.5	42.5	30.0	25
SEVILLE	59.0	15.0	103.0	37.5	57.0	8.5	52.0	20.0	37.5	33.0	21.0	35.5	4.0	29.5	89.5	30.5	74.5	53.0	51.0	11.0	20.0	26
PICK 1800	27.0	20.5	35.0	81.5	97.0	74.0	2.0	20.0	5.0	27.5	33.0	18.5	72.5	114.0	63.5	47.5	42.5	14.5	11.5	88.5	106.5	27
DANDY	43.0	30.5	40.0	49.0	41.5	55.0	18.5	88.5	18.5	40.0	35.0	49.5	2.0	41.5	63.5	30.5	22.5	49.0	31.5	19.5	52.5	28
PICK 89LLG	11.5	105.5	2.0	3.0	36.0	.	62.0	48.0	115.5	55.0	45.0	15.0	86.0	41.5	2.0	30.5	52.0	26.0	2.5	11.0	18.5	29
NAVAJO (PST-2DPR)	27.0	18.0	16.5	34.0	4.0	55.0	73.5	6.5	45.0	51.0	31.0	28.0	119.5	41.5	18.0	68.0	68.5	40.0	40.5	62.5	48.0	30
PICK EEC	59.0	72.0	84.5	14.0	97.0	99.0	23.0	88.5	41.0	8.0	18.0	23.5	122.0	98.0	50.0	8.5	32.0	6.0	18.5	15.5	65.0	31
MOM LP 3147	78.0	97.0	53.5	41.0	70.0	1.0	14.5	98.5	27.5	18.5	37.5	30.0	25.5	88.5	50.0	26.0	92.5	56.5	40.5	53.5	52.5	32
PST-2B3	27.0	77.5	24.0	96.0	1.0	74.0	49.0	48.0	60.0	33.0	45.0	26.5	59.5	16.5	37.5	39.5	19.0	43.0	18.5	57.0	24.0	33
EQUAL	78.0	13.0	78.0	18.0	91.0	74.0	43.0	48.0	16.0	39.0	45.0	35.5	86.0	65.0	50.0	49.5	61.5	33.0	80.5	6.5	72.5	34
ENVY	59.0	72.0	91.0	11.5	16.5	8.5	52.0	75.5	94.5	29.0	49.5	45.0	45.5	21.5	22.0	17.0	52.0	46.0	31.5	80.0	85.0	35
DIMENSION (2H7)	59.0	97.0	29.0	49.0	48.0	55.0	55.5	48.0	32.0	31.0	42.5	25.0	96.0	9.0	58.0	52.5	68.5	40.0	94.5	49.0	8.0	36
GETTYSBURG	59.0	112.5	53.5	76.5	28.0	28.0	58.5	117.0	75.0	5.0	7.0	9.5	72.5	82.0	93.0	22.0	22.5	14.5	18.5	73.0	45.0	37
SHERWOOD	27.0	23.0	78.0	18.0	11.5	28.0	11.0	48.0	112.5	54.0	60.5	40.0	45.5	108.0	45.5	62.5	42.5	59.0	11.5	25.0	52.5	38
KOOS 90-1	92.5	44.0	24.0	49.0	70.0	89.0	20.5	6.5	69.0	25.5	26.5	40.0	59.5	88.5	121.0	67.0	80.0	20.5	18.5	28.0	100.0	39
PR 9121	59.0	3.5	78.0	60.0	36.0	89.0	65.5	6.5	82.0	60.0	29.0	49.5	86.0	56.0	9.0	15.5	52.0	37.0	11.5	53.5	106.5	40
NOMAD	27.0	6.5	16.5	34.0	6.5	55.0	86.0	75.5	84.5	74.5	42.5	40.0	4.0	61.5	22.0	37.0	88.5	78.5	60.5	73.0	37.5	41
PST-23C	11.5	39.5	35.0	.	97.0	.	6.5	98.5	60.0	13.0	23.5	65.5	86.0	114.0	45.5	14.0	52.0	29.5	40.5	49.0	41.5	42
ESSENCE (PR 8820)	43.0	30.5	35.0	103.0	2.5	89.0	47.0	48.0	75.0	65.0	60.5	80.5	72.5	74.0	1.0	5.5	74.5	33.0	18.5	15.5	114.0	43
WVPB-89-87A	43.0	85.0	53.5	103.0	19.5	55.0	34.0	48.0	34.0	48.5	34.0	89.5	45.5	103.0	108.5	43.0	9.5	53.0	31.5	35.0	65.0	44
SATURN	27.0	81.5	91.0	60.0	8.0	28.0	73.5	20.0	22.0	61.0	63.0	35.5	25.5	4.5	58.0	41.0	84.0	66.5	80.5	62.5	41.5	45

TABLE 3. (CONTINUED)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-ONE LOCATIONS IN THE UNITED STATES AND CANADA
1991 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
OFI-F7	92.5	63.0	53.5	84.0	74.0	28.0	37.0	75.5	27.5	36.0	47.0	32.5	10.5	120.5	73.5	76.5	92.5	46.0	60.5	73.0	8.0	46
PLEASURE	78.0	52.5	70.0	34.0	48.0	28.0	24.5	48.0	3.0	56.5	67.0	65.5	33.5	41.5	115.5	84.0	6.5	61.5	51.0	73.0	52.5	47
PST-2ROR	59.0	102.5	53.5	11.5	48.0	.	29.5	88.5	22.0	52.0	32.0	49.5	72.5	6.5	41.5	22.0	84.0	56.5	67.5	83.5	30.0	48
CHARGER	111.0	52.5	27.0	113.0	52.5	89.0	68.0	48.0	41.0	43.5	41.0	57.0	45.5	29.5	28.0	15.5	15.0	81.5	40.5	13.0	34.0	49
PST-2OG	3.5	34.5	1.0	5.5	97.0	74.0	26.0	121.0	112.5	65.0	48.0	73.0	18.0	74.0	14.0	37.0	84.0	20.5	2.5	73.0	10.5	50
HE 311	92.5	77.5	10.5	41.0	104.5	28.0	68.0	88.5	41.0	82.5	52.5	18.5	59.5	1.5	24.5	70.5	84.0	26.0	6.0	83.5	117.0	51
COMPETITOR	59.0	3.5	63.5	15.5	82.5	28.0	58.5	75.5	87.5	62.5	64.5	32.5	18.0	103.0	32.5	49.5	108.5	53.0	80.5	35.0	81.0	52
PATRIOT II	78.0	100.0	78.0	1.0	67.5	55.0	93.5	98.5	47.5	45.5	59.0	59.5	112.0	8.0	14.0	8.5	25.0	75.5	112.0	42.5	8.0	53
KOOS 90-2	59.0	77.5	35.0	53.5	24.0	55.0	43.0	48.0	78.5	48.5	52.5	78.5	59.5	114.0	58.0	37.0	100.5	49.0	80.5	62.5	24.0	54
EXPRESS	78.0	34.5	78.0	71.0	91.0	28.0	37.0	48.0	45.0	38.0	55.0	40.0	96.0	122.0	108.5	52.5	9.5	53.0	67.5	35.0	85.0	55
PEBBLE BEACH	11.5	26.5	44.5	21.0	9.5	89.0	65.5	88.5	84.5	78.5	64.5	45.0	72.5	50.5	37.5	70.5	12.0	53.0	80.5	73.0	12.0	56
TARGET	27.0	60.0	44.5	49.0	41.5	55.0	32.0	112.5	80.5	41.5	39.0	76.5	72.5	16.5	68.5	58.0	92.5	61.5	18.5	49.0	52.5	57
COWBOY II (WM-II)	27.0	85.0	44.5	76.5	28.0	28.0	43.0	48.0	84.5	69.5	75.0	49.5	72.5	41.5	28.0	76.5	15.0	69.5	51.0	62.5	65.0	58
REPELL	27.0	112.5	60.0	25.0	72.0	55.0	55.5	75.5	16.0	72.5	62.0	49.5	59.5	74.0	41.5	88.5	19.0	63.5	60.5	80.0	93.5	59
POLY-SH	59.0	105.5	5.5	56.0	41.5	55.0	102.0	48.0	67.0	67.5	49.5	35.5	102.5	88.5	32.5	55.5	100.5	20.5	80.5	53.5	108.5	60
N-33	27.0	100.0	20.0	49.0	24.0	28.0	73.5	48.0	52.5	74.5	73.0	43.0	45.5	41.5	41.5	60.0	22.5	40.0	101.5	108.5	100.0	61
MANHATTAN II (E)	27.0	11.5	70.0	10.0	63.0	.	32.0	48.0	60.0	47.0	68.5	55.0	25.5	21.5	97.5	80.0	100.5	73.5	51.0	19.5	59.0	62
WVPB 89-92	27.0	115.0	70.0	81.5	32.5	8.5	71.0	75.5	41.0	65.0	58.0	65.5	102.5	12.5	18.0	24.0	61.5	46.0	60.5	114.0	76.5	63
PR 9119	78.0	52.5	35.0	60.0	48.0	.	68.0	48.0	34.0	45.5	37.5	53.5	96.0	117.5	68.5	47.5	28.5	37.0	40.5	42.5	112.5	64
MVF 89-90	43.0	77.5	44.5	41.0	24.0	89.0	89.0	48.0	94.5	59.0	51.0	53.5	59.5	98.0	73.5	93.0	52.0	59.0	60.5	28.0	6.0	65
FIESTA II	59.0	44.0	70.0	30.5	41.5	55.0	37.0	48.0	37.5	67.5	66.0	49.5	96.0	88.5	113.0	84.0	68.5	85.5	67.5	73.0	4.0	66
RODEO II	11.5	85.0	16.5	119.0	82.5	8.5	88.0	20.0	80.5	53.0	79.0	57.0	18.0	65.0	89.5	65.0	68.5	49.0	116.0	53.5	1.0	67
ELITE (WVPB-88PRC23)	78.0	52.5	78.0	34.0	63.0	74.0	80.0	48.0	87.5	58.0	56.5	73.0	59.5	56.0	4.0	43.0	78.0	73.5	80.5	73.0	69.5	68
COMMANDER	27.0	60.0	105.0	71.0	101.5	55.0	43.0	48.0	6.0	69.5	87.0	65.5	72.5	29.5	97.5	84.0	61.5	66.5	101.5	3.0	90.0	69
ACCOLADE	43.0	9.5	109.5	5.5	16.5	74.0	93.5	20.0	49.5	43.5	91.5	96.0	107.5	74.0	77.5	70.5	15.0	81.5	40.5	99.5	76.5	70
CUTLESS	43.0	52.5	53.5	30.5	28.0	28.0	93.5	75.5	52.5	71.0	71.0	99.0	86.0	108.0	37.5	46.0	52.0	69.5	80.5	94.5	56.5	71
STATESMAN (WVPB-88PRD12)	92.5	11.5	70.0	60.0	63.0	.	62.0	48.0	91.5	41.5	68.5	57.0	33.5	61.5	58.0	55.5	28.5	85.5	80.5	42.5	10.5	72
EEG 358	3.5	63.0	5.5	64.0	41.5	28.0	108.0	98.5	99.0	97.0	71.0	89.5	25.5	29.5	5.0	88.5	36.5	29.5	94.5	88.5	76.5	73
ZPS-2EZ	92.5	90.0	84.5	2.0	41.5	89.0	105.5	117.0	110.0	35.0	30.0	59.5	115.5	119.0	102.0	52.5	68.5	63.5	80.5	4.5	48.0	74
PR 9109	59.0	34.5	24.0	71.0	108.0	55.0	55.5	48.0	71.0	87.0	80.0	84.5	96.0	41.5	28.0	79.0	84.0	59.0	60.5	99.5	72.5	75
DERBY SUPREME	43.0	67.0	70.0	76.5	91.0	55.0	73.5	48.0	64.0	89.5	93.0	65.5	45.5	21.5	68.5	65.0	42.5	72.0	94.5	25.0	81.0	76
PR 9118	59.0	52.5	44.5	118.0	101.5	74.0	93.5	20.0	84.5	62.5	54.0	89.5	115.5	3.0	54.5	57.0	78.0	43.0	80.5	88.5	85.0	77
RIVIERA	11.5	77.5	100.0	103.0	57.0	28.0	27.5	75.5	56.5	50.0	81.0	84.5	59.5	88.5	106.0	96.0	92.5	85.5	80.5	35.0	110.5	78
LINDSAY	27.0	67.0	103.0	92.0	57.0	89.0	77.5	20.0	47.5	88.0	77.5	73.0	86.0	12.5	63.5	62.5	92.5	93.0	107.0	42.5	16.5	79
TOPEKA (WVPB-88PRD10)	78.0	6.5	109.5	18.0	101.5	.	77.5	48.0	55.0	72.5	88.5	78.5	33.5	41.5	37.5	76.5	42.5	81.5	94.5	19.5	41.5	80
PENNANT	27.0	1.0	70.0	92.0	52.5	.	60.0	48.0	104.0	56.5	85.5	65.5	72.5	74.0	102.0	93.0	15.0	99.5	51.0	25.0	61.5	81
GATOR	92.5	23.0	84.5	25.0	32.5	.	86.0	48.0	71.0	86.0	71.0	70.5	10.5	88.5	95.5	45.0	42.5	81.5	40.5	94.5	48.0	82
ZW 42-176	59.0	90.0	60.0	116.0	52.5	89.0	84.0	75.5	120.5	78.5	75.0	65.5	72.5	12.5	18.0	30.5	4.5	90.5	40.5	62.5	76.5	83
MVF 89-88	111.0	44.0	35.0	28.5	86.5	55.0	99.0	20.0	64.0	76.5	91.5	84.5	59.5	98.0	73.5	65.0	96.0	106.5	40.5	102.5	76.5	84
UNKNOWN	78.0	108.5	95.5	64.0	32.5	.	77.5	48.0	49.5	81.0	75.0	89.5	18.0	29.5	41.5	84.0	28.5	95.5	80.5	22.5	.	85
CALYPSO	59.0	26.5	60.0	89.0	52.5	55.0	64.0	75.5	78.5	76.5	95.5	92.5	86.0	88.5	86.5	99.0	61.5	104.5	94.5	46.5	45.0	86
BARRAGE ++	78.0	2.0	70.0	76.5	106.0	28.0	82.5	48.0	96.5	94.5	83.0	84.5	45.5	88.5	24.5	99.0	120.0	65.0	60.5	99.5	100.0	87
MOM LP 3184	102.5	44.0	91.0	94.0	77.5	28.0	43.0	98.5	75.0	96.0	85.5	70.5	45.5	74.0	68.5	109.5	74.5	93.0	25.5	42.5	81.0	88
PREMIER	78.0	18.0	100.0	25.0	28.0	.	49.0	75.5	34.0	94.5	102.0	65.5	4.0	108.0	120.0	102.0	34.0	90.5	25.5	73.0	85.0	89
CITATION II	92.5	90.0	84.5	56.0	32.5	.	43.0	48.0	93.0	85.0	84.0	96.0	33.5	34.0	115.5	88.5	68.5	75.5	80.5	62.5	30.0	90

TABLE 3. (CONTINUED)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-ONE LOCATIONS IN THE UNITED STATES AND CANADA
1991 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	NJ1	NJ2	NJ3	OH1	ON1	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
BAR LP 086FL	3.5	90.0	44.5	41.0	97.0	89.0	102.0	110.0	117.5	92.0	56.5	109.5	112.0	56.0	50.0	73.5	28.5	88.0	80.5	94.5	3.0	91
BAR LP 852	102.5	44.0	63.5	103.0	74.0	28.0	70.0	75.5	96.5	82.5	100.5	94.0	119.5	88.5	102.0	91.0	28.5	69.5	94.5	35.0	69.5	92
REGAL	59.0	52.5	113.5	84.0	16.5	.	55.5	48.0	25.0	93.0	77.5	75.0	72.5	108.0	118.0	104.0	52.0	78.5	80.5	118.0	59.0	93
PR 9108	43.0	115.0	20.0	92.0	108.0	.	93.5	48.0	41.0	91.0	100.5	92.5	45.5	117.5	53.0	81.0	100.5	89.0	51.0	88.5	30.0	94
TAYA	102.5	60.0	100.0	67.5	82.5	55.0	81.0	48.0	67.0	100.0	90.0	112.5	96.0	29.5	63.5	95.0	88.5	93.0	101.5	104.5	104.0	95
OFT-D4	92.5	52.5	35.0	53.5	91.0	8.5	109.5	98.5	91.5	99.0	88.5	102.0	72.5	41.5	89.5	84.0	116.0	77.0	116.0	94.5	45.0	96
CALIENTE	78.0	8.0	116.5	44.5	91.0	74.0	62.0	88.5	52.5	107.0	98.5	80.5	10.5	120.5	123.0	116.0	36.5	102.0	60.5	62.5	24.0	97
C-21	92.5	20.5	44.5	120.0	110.5	89.0	102.0	98.5	56.5	84.0	82.0	103.0	59.5	41.5	45.5	70.5	78.0	103.0	101.5	88.5	112.5	98
856	27.0	100.0	91.0	113.0	67.5	74.0	99.0	75.5	60.0	106.0	109.0	99.0	59.5	56.0	108.5	99.0	28.5	106.5	107.0	80.0	96.0	99
ALLEGRO	78.0	52.5	98.0	76.5	108.0	55.0	105.5	117.0	102.0	104.0	95.5	96.0	72.5	21.5	11.5	76.5	52.0	112.0	107.0	35.0	104.0	100
MULLIGAN (NK 89001)	78.0	39.5	111.5	110.5	104.5	28.0	99.0	106.5	99.0	89.5	103.5	104.0	10.5	88.5	111.5	109.5	108.5	99.5	80.5	53.5	65.0	101
STALLION	78.0	102.5	107.0	110.5	63.0	.	77.5	98.5	67.0	80.0	94.0	84.5	86.0	74.0	83.5	93.0	38.5	97.0	101.5	102.5	69.5	102
BARRAGE	111.0	29.0	91.0	67.5	91.0	.	93.5	48.0	71.0	101.0	98.5	99.0	45.5	41.5	83.5	97.0	117.0	69.5	80.5	114.0	110.5	103
CLP 39	102.5	67.0	91.0	37.5	41.5	.	112.0	75.5	99.0	111.5	112.0	105.0	86.0	12.5	9.0	88.5	52.0	108.5	80.5	62.5	56.5	104
LORETTA	102.5	5.0	107.0	76.5	82.5	.	107.0	88.5	109.0	104.0	116.0	117.5	102.5	4.5	11.5	105.0	100.5	95.5	80.5	108.5	90.0	105
DUET	102.5	120.5	29.0	96.0	118.0	55.0	82.5	98.5	119.0	102.0	97.0	84.5	59.5	98.0	119.0	112.0	111.5	99.5	110.0	88.5	118.0	106
DANILO	102.5	115.0	116.5	34.0	91.0	98.0	104.0	117.0	104.0	111.5	107.0	101.0	10.5	41.5	102.0	107.0	52.0	110.0	67.5	53.5	96.0	107
CLP 144	115.0	117.5	63.5	108.0	86.5	74.0	111.0	122.0	106.5	98.0	103.5	116.0	86.0	12.5	6.0	73.5	111.5	85.5	101.5	83.5	69.5	108
OVATION	117.5	94.0	111.5	76.5	63.0	28.0	93.5	106.5	89.5	115.0	120.5	106.0	72.5	29.5	86.5	115.0	74.5	115.5	110.0	104.5	90.0	109
MOM LP 3182	111.0	111.0	84.5	109.0	112.0	8.5	93.5	110.0	75.0	104.0	106.0	111.0	25.5	21.5	115.5	121.0	100.5	104.5	101.5	120.0	116.0	110
TORONTO	92.5	94.0	121.0	86.5	113.0	55.0	113.5	88.5	89.5	116.0	116.0	109.5	33.5	56.0	77.5	114.0	84.0	112.0	80.5	119.0	61.5	111
ENTRAR	117.5	105.5	84.5	56.0	114.5	28.0	117.0	98.5	108.0	108.0	105.0	107.5	107.5	74.0	108.5	101.0	52.0	99.5	121.0	108.5	90.0	112
DANARO	102.5	39.5	78.0	98.5	77.5	89.0	118.5	106.5	115.5	109.0	122.0	76.5	86.0	88.5	73.5	111.0	115.0	114.0	80.5	114.0	119.0	113
MOM LP 3185	78.0	97.0	113.5	103.0	116.0	.	86.0	98.5	64.0	113.0	110.5	117.5	25.5	21.5	102.0	117.0	52.0	118.0	113.5	108.5	108.5	114
TROUBADOUR	78.0	105.5	91.0	89.0	77.5	89.0	122.0	106.5	117.5	114.0	110.5	120.0	33.5	98.0	93.0	107.0	118.5	115.5	116.0	121.0	90.0	115
MOM LP 3111	117.5	122.0	115.0	76.5	117.0	28.0	115.5	117.0	112.5	119.0	114.0	112.5	102.5	114.0	73.5	107.0	68.5	112.0	110.0	99.5	100.0	116
SURPRISE	120.0	72.0	107.0	103.0	110.5	89.0	121.0	98.5	104.0	117.5	108.0	114.5	112.0	50.5	89.5	103.0	100.5	120.0	118.5	114.0	115.0	117
MOM LP 3179	117.5	85.0	119.0	107.0	119.0	.	109.5	112.5	120.5	117.5	113.0	107.5	86.0	114.0	102.0	122.0	42.5	108.5	101.5	94.5	100.0	118
GOALIE	111.0	81.5	120.0	103.0	82.5	.	115.5	75.5	101.0	121.5	120.5	119.0	107.5	88.5	115.5	118.0	122.0	117.0	118.5	114.0	120.0	119
PENNFINE	59.0	52.5	122.0	86.5	120.0	.	118.5	117.0	106.5	110.0	119.0	114.5	45.5	74.0	111.5	120.0	108.5	119.0	113.5	108.5	.	120
CARTEL	121.5	119.0	118.0	121.0	121.0	55.0	120.0	110.0	112.5	121.5	116.0	121.0	112.0	56.0	83.5	119.0	84.0	121.5	121.0	117.0	2.0	121
METEOR	121.5	120.5	70.0	113.0	122.0	55.0	113.5	117.0	122.0	120.0	118.0	122.0	96.0	74.0	32.5	113.0	118.5	121.5	123.0	122.0	104.0	122
LINN	123.0	123.0	123.0	122.0	123.0	.	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	122.0	123.0	123.0	123.0	121.0	123.0	121.0	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. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

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

NAME	ID3	NJ3	MEAN
PINNACLE	7.7	6.0	6.8
PREMIER	7.7	5.3	6.5
ACCOLADE	8.0	4.7	6.3
SATURN	6.7	6.0	6.3
STALLION	7.0	5.7	6.3
AFFINITY (GEN-90)	7.3	5.3	6.3
BARRAGE	6.7	5.7	6.2
856	7.3	5.0	6.2
ENVY	6.0	6.3	6.2
SURPRISE	6.0	6.3	6.2
GATOR	7.7	4.3	6.0
MANHATTAN II (E)	6.3	5.7	6.0
OVATION	6.7	5.3	6.0
TAYA	7.0	5.0	6.0
TROUBADOUR	7.3	4.7	6.0
WVPB-89-87A	6.7	5.3	6.0
4DD-DELAWARE DWARF	6.7	5.0	5.8
DANARO	6.7	5.0	5.8
ENTRAR	6.7	5.0	5.8
LORETTA	6.7	5.0	5.8
MULLIGAN (NK 89001)	6.0	5.7	5.8
N-33	7.0	4.7	5.8
PST-28M	6.0	5.7	5.8
REGAL	6.0	5.7	5.8
SYN-P	6.0	5.7	5.8
UNKNOWN	6.0	5.7	5.8
89-666	6.3	5.3	5.8
ASSURE	6.3	5.3	5.8
LINDSAY	6.3	5.3	5.8
MOM LP 3184	6.3	5.3	5.8
LEGACY	6.7	4.7	5.7
PLEASURE	6.7	4.7	5.7
CITATION II	6.3	5.0	5.7
METEOR	6.3	5.0	5.7
OFI-D4	6.0	5.3	5.7
OFI-F7	6.0	5.3	5.7
PR 9119	6.3	5.0	5.7
PST-2B3	6.0	5.3	5.7
REPELL	6.3	5.0	5.7
DANILO	6.7	4.3	5.5
EEG 358	6.3	4.7	5.5
ELITE (WVPB-88PRC23)	6.7	4.3	5.5
FIESTA II	6.0	5.0	5.5
HE 311	6.0	5.0	5.5
KOOS 90-2	6.7	4.3	5.5

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	ID3	NJ3	MEAN
MOM LP 3111	5.7	5.3	5.5
MVF 89-88	6.3	4.7	5.5
MVF 89-90	6.0	5.0	5.5
NOMAD	6.3	4.7	5.5
PENNANT	6.3	4.7	5.5
PICK 9100	6.3	4.7	5.5
PR 9118	6.0	5.0	5.5
PRELUDE II (2P2-90)	5.7	5.3	5.5
PST-290	5.7	5.3	5.5
ZPS-28D	5.3	5.7	5.5
BAR LP 852	5.7	5.0	5.3
BRIGHTSTAR (PST-GH-89)	5.7	5.0	5.3
CALYPSO	6.0	4.7	5.3
CLP 39	6.7	4.0	5.3
COWBOY II (WM-II)	5.7	5.0	5.3
EXPRESS	4.7	6.0	5.3
MOM LP 3185	5.0	5.7	5.3
NAVAJO (PST-2DPR)	5.7	5.0	5.3
PALMER II (P89)	5.7	5.0	5.3
PICK 1800	5.7	5.0	5.3
PICK DKM	5.7	5.0	5.3
TOPEKA (WVPB-88PRD10)	5.7	5.0	5.3
PR 9109	5.3	5.3	5.3
ADVENT	5.7	4.7	5.2
CALIENTE	5.7	4.7	5.2
CUTLESS	5.7	4.7	5.2
PATRIOT II	4.7	5.7	5.2
PST-23C	5.7	4.7	5.2
REPELL II (LDRD)	4.7	5.7	5.2
SHERWOOD	5.7	4.7	5.2
APM	6.0	4.3	5.2
BARRAGE ++	5.3	5.0	5.2
DUET	5.3	5.0	5.2
MOM LP 3147	5.3	5.0	5.2
PEBBLE BEACH	6.0	4.3	5.2
PICK 89LIG	5.3	5.0	5.2
PR 9121	6.0	4.3	5.2
PS-105	6.0	4.3	5.2
QUICKSTART (PST-2FQR)	5.0	5.3	5.2
RIVIERA	6.0	4.3	5.2
RODEO II	5.3	5.0	5.2
STATESMAN (WVPB-88PRD12)	6.0	4.3	5.2
C-21	4.7	5.3	5.0
CHARGER	5.0	5.0	5.0
COMPETITOR	5.3	4.7	5.0

TABLE 4. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	ID3	NJ3	MEAN
DERBY SUPREME	5.3	4.7	5.0
MOM LP 3179	5.3	4.7	5.0
PICK 89-4	5.3	4.7	5.0
POLY-SH	5.7	4.3	5.0
PST-2ROR	5.7	4.3	5.0
WVPB 89-92	5.7	4.3	5.0
YORKTOWN III (LDRF)	4.7	5.3	5.0
ZPS-2EZ	5.0	5.0	5.0
COMMANDER	5.0	4.7	4.8
DANDY	5.0	4.7	4.8
DIMENSION (2H7)	4.7	5.0	4.8
PST-2FF	5.0	4.7	4.8
TARGET	5.0	4.7	4.8
EAGLE (WVPB-89PRA3)	5.3	4.3	4.8
ESSENCE (PR 8820)	6.3	3.3	4.8
GETTYSBURG	5.3	4.3	4.8
GOALIE	6.3	3.3	4.8
KOOS 90-1	5.3	4.3	4.8
EQUAL	4.7	4.7	4.7
PENNFINE	4.7	4.7	4.7
ZW 42-176	4.7	4.7	4.7
CLP 144	5.3	4.0	4.7
PR 9108	4.3	5.0	4.7
SR 4200	4.3	5.0	4.7
ALLEGRO	5.3	3.7	4.5
MOM LP 3182	5.3	3.7	4.5
PICK EEC	4.3	4.7	4.5
TORONTO	4.7	4.0	4.3
CARTEL	4.3	4.3	4.3
PST-2OG	4.3	4.3	4.3
SEVILLE	4.3	4.3	4.3
LINN	3.3	4.0	3.7
BAR LP 086FL	4.3	3.0	3.7
LSD VALUE	2.1	1.3	1.2

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

TABLE 5. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/									
NAME	ID2	ID3	KS2	NJ1	NJ3	OH1	OR9	WA3	MEAN
PALMER II (P89)	7.3	8.0	9.0	9.0	7.0	8.0	7.3	8.0	8.0
BRIGHTSTAR (PST-GH-89)	8.0	7.7	8.7	9.0	6.7	8.0	7.0	7.7	7.8
POLY-SH	7.3	7.7	9.0	8.7	6.3	7.7	7.3	7.3	7.7
PICK 89-4	7.7	7.3	8.7	9.0	6.7	7.7	7.3	7.0	7.7
PICK 9100	7.7	7.7	9.0	8.0	6.0	7.7	7.0	7.0	7.5
PICK DKM	7.7	8.0	8.0	8.3	6.0	8.0	7.0	7.0	7.5
PST-2FF	7.3	8.0	9.0	8.3	6.0	7.3	7.0	7.0	7.5
GETTYSBURG	7.0	7.7	8.7	8.0	6.7	8.0	6.7	7.0	7.5
PICK EEC	7.3	8.0	8.7	8.3	5.7	7.7	7.0	7.0	7.5
PRELUDE II (2P2-90)	6.3	7.7	8.0	7.7	6.3	8.0	7.3	8.0	7.4
ZPS-28D	8.0	7.7	8.3	8.0	6.0	7.3	7.0	7.0	7.4
PICK 89LIG	7.7	7.7	8.0	8.0	6.0	7.7	7.0	7.0	7.4
QUICKSTART (PST-2FQR)	7.3	7.0	9.0	7.7	6.0	8.0	7.0	7.0	7.4
REPELL II (LDRD)	7.3	7.7	8.3	8.0	6.0	8.0	7.0	6.7	7.4
EAGLE (WVPB-89PRA3)	7.7	7.7	8.0	7.7	6.0	7.3	7.0	7.3	7.3
LEGACY	6.7	7.3	8.3	8.3	6.0	7.7	7.3	7.0	7.3
PST-2ROR	7.0	8.0	8.7	7.3	6.0	7.7	7.0	7.0	7.3
ASSURE	7.7	7.3	8.3	8.0	5.7	7.7	7.0	6.7	7.3
PST-28M	7.0	7.3	8.3	8.0	5.7	7.7	7.0	7.3	7.3
APM	7.0	7.7	8.7	7.7	5.3	7.7	6.7	7.3	7.3
NAVAJO (PST-2DPR)	7.3	7.0	9.0	8.7	5.3	7.0	7.0	6.7	7.3
PST-23C	.	7.3	8.3	7.7	5.7	7.7	7.0	7.0	7.2
AFFINITY (GEN-90)	7.3	7.3	8.0	7.3	6.0	7.3	7.0	6.7	7.1
PS-105	7.0	7.3	6.7	8.0	6.7	7.7	6.7	7.0	7.1
PST-290	6.7	7.7	8.0	7.0	5.7	8.0	7.0	6.7	7.1
SR 4200	7.0	7.3	8.0	7.7	6.0	7.7	6.3	6.7	7.1
PICK 1800	6.3	7.3	8.7	7.7	5.3	8.0	6.3	6.7	7.0
ZPS-2EZ	7.3	7.0	8.0	6.7	5.3	7.7	7.0	7.3	7.0
KOOS 90-1	6.7	7.0	8.7	7.3	5.7	7.7	6.7	6.3	7.0
SEVILLE	6.7	7.7	8.0	7.0	5.7	7.3	7.0	6.7	7.0
PST-2OG	7.3	6.3	8.7	7.0	5.3	7.7	6.7	7.0	7.0
PATRIOT II	8.0	6.7	8.0	7.3	5.0	7.3	6.3	7.0	7.0
ADVENT	7.3	7.7	7.3	7.0	5.3	7.3	6.3	7.0	6.9
YORKTOWN III (LDRF)	7.3	6.3	8.0	7.3	6.0	7.0	6.7	6.7	6.9
MOM LP 3147	7.3	7.3	7.7	7.3	5.3	7.3	6.3	6.3	6.9
ESSENCE (PR 8820)	6.3	7.0	8.0	7.3	5.3	7.3	7.0	6.7	6.9
SYN-P	6.0	6.3	8.3	7.3	6.0	7.3	7.0	6.7	6.9
NOMAD	6.3	7.0	8.3	7.0	5.7	7.0	6.3	7.0	6.8
PST-2B3	6.7	7.7	8.0	6.3	5.7	7.0	6.7	6.7	6.8
ENVY	7.3	7.0	8.0	6.3	5.3	7.3	6.3	6.7	6.8
EQUAL	6.3	7.3	8.0	7.0	5.7	7.0	6.3	6.7	6.8
OFI-F7	7.0	6.7	8.0	7.0	5.3	7.0	6.7	6.7	6.8
CHARGER	6.3	6.7	8.0	6.3	5.3	7.3	6.3	7.7	6.8
PINNACLE	7.0	6.7	8.3	6.7	5.3	7.0	6.3	6.7	6.8
REGAL	7.3	7.7	7.7	6.3	5.0	7.0	6.3	6.7	6.8

TABLE 5. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN									
NAME	ID2	ID3	KS2	NJ1	NJ3	OH1	OR9	WA3	MEAN
STATESMAN (WVPB-88PRD12)	6.7	6.7	8.3	6.7	5.0	7.0	7.0	6.7	6.8
MVF 89-90	7.0	6.7	7.3	7.0	5.3	7.0	7.0	6.3	6.7
4DD-DELAWARE DWARF	6.3	6.7	8.3	7.0	5.0	7.0	6.7	6.7	6.7
DIMENSION (2H7)	6.7	6.7	8.0	7.0	5.7	7.0	6.0	6.7	6.7
PR 9121	6.7	6.3	7.7	7.0	5.0	7.7	6.7	6.7	6.7
RODEO II	6.7	6.7	8.3	6.3	5.3	7.0	6.7	6.7	6.7
PEBBLE BEACH	7.3	7.0	8.0	6.3	5.3	7.0	6.0	6.3	6.7
ZW 42-176	6.3	7.3	7.0	7.0	5.0	7.0	6.7	7.0	6.7
PR 9119	6.7	6.7	8.0	7.0	5.3	7.3	6.0	6.0	6.6
SHERWOOD	7.3	7.0	8.0	5.7	5.3	7.0	6.3	6.3	6.6
TARGET	6.7	7.0	7.7	6.0	5.3	7.0	6.3	7.0	6.6
WVPB 89-92	6.7	6.7	7.3	7.7	5.0	7.0	6.3	6.3	6.6
89-666	7.7	6.7	7.0	6.3	5.0	7.3	6.0	6.7	6.6
DANDY	6.3	7.3	8.0	5.3	5.3	7.0	6.3	7.0	6.6
PR 9118	6.3	6.7	7.7	7.0	4.7	7.3	6.3	6.3	6.5
EXPRESS	6.7	7.0	8.0	6.0	5.0	7.0	6.0	6.7	6.5
HE 311	6.7	6.3	7.7	6.3	5.7	7.0	6.3	6.3	6.5
KOOS 90-2	6.7	6.7	7.7	6.3	5.0	7.0	6.3	6.7	6.5
COMPETITOR	6.7	6.7	7.3	6.7	5.3	7.0	5.7	6.7	6.5
ELITE (WVPB-88PRC23)	6.3	6.7	7.3	7.0	4.7	7.0	6.3	6.3	6.5
WVPB-89-87A	6.3	6.7	7.3	6.3	5.0	7.0	6.3	6.7	6.5
BAR LP 086FL	7.7	6.7	7.3	5.7	4.7	7.0	6.0	6.3	6.4
COMMANDER	6.3	6.3	7.7	6.0	5.0	7.0	6.7	6.3	6.4
N-33	6.3	6.3	7.7	6.0	5.0	7.0	6.3	6.7	6.4
DERBY SUPREME	6.7	6.3	7.7	6.0	4.7	7.0	6.3	6.3	6.4
TOPEKA (WVPB-88PRD10)	6.7	7.0	7.7	5.3	5.0	7.0	6.0	6.3	6.4
COWBOY II (WM-II)	6.3	7.0	7.7	5.3	5.0	7.3	6.0	6.3	6.4
CUTLESS	6.3	6.7	7.7	6.7	4.7	7.0	6.0	6.0	6.4
SATURN	6.3	6.7	8.0	5.7	5.0	7.3	6.0	6.0	6.4
MANHATTAN II (E)	7.0	6.0	7.7	5.3	5.0	7.3	6.0	6.3	6.3
LINDSAY	5.7	6.3	7.3	6.3	5.0	7.0	6.3	6.3	6.3
PLEASURE	6.7	7.0	7.3	5.0	5.3	7.0	6.0	6.0	6.3
PR 9109	6.7	6.7	7.3	5.7	4.7	7.0	6.0	6.0	6.3
MVF 89-88	6.7	6.0	7.7	6.0	4.3	7.0	6.0	6.0	6.2
PR 9108	6.0	7.0	7.0	5.7	4.7	7.0	6.0	6.3	6.2
BAR LP 852	6.0	6.7	6.7	5.3	4.7	7.0	6.3	6.7	6.2
GATOR	6.7	6.0	7.3	5.7	5.0	6.7	6.0	6.0	6.2
PENNANT	6.0	6.3	7.7	5.3	5.0	7.0	6.0	6.0	6.2
CITATION II	6.3	6.7	7.7	5.0	4.3	7.0	6.0	6.0	6.1
FIESTA II	6.3	6.3	7.3	5.0	5.0	7.0	6.0	6.0	6.1
RIVIERA	6.0	6.3	7.3	5.7	4.7	7.0	6.0	6.0	6.1
ACCOLADE	6.7	6.3	7.3	5.0	4.0	7.0	6.0	6.3	6.1
OFI-D4	6.0	6.0	7.3	5.3	4.3	7.0	6.3	6.0	6.0
ALLEGRO	6.7	6.3	8.0	4.3	5.0	7.0	6.0	5.0	6.0
GOALIE	6.0	7.0	7.7	5.3	4.0	7.0	5.7	5.7	6.0

TABLE 5. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN									
NAME	ID2	ID3	KS2	NJ1	NJ3	OH1	OR9	WA3	MEAN
DUET	6.0	6.0	6.7	5.0	5.0	7.0	6.3	6.0	6.0
PREMIER	6.7	6.7	7.0	4.0	4.7	7.0	6.0	6.0	6.0
TAYA	6.3	5.3	7.7	6.0	4.0	6.7	6.3	5.7	6.0
CALYPSO	6.7	6.3	7.0	4.3	4.3	7.0	6.0	5.7	5.9
EEG 358	6.0	6.3	6.0	5.0	5.0	7.0	6.0	6.0	5.9
UNKNOWN	6.0	6.3	7.7	4.3	4.3	7.0	5.7	.	5.9
STALLION	5.7	6.3	6.7	4.3	5.0	7.0	6.0	6.0	5.9
C-21	6.0	6.0	6.3	5.0	4.3	7.0	5.7	6.7	5.9
856	5.3	6.3	7.0	4.7	4.7	7.0	6.0	5.7	5.8
CLP 39	6.3	6.7	6.7	4.7	4.0	7.0	5.7	5.7	5.8
MOM LP 3184	5.7	7.0	6.7	4.7	4.7	6.7	5.7	5.7	5.8
REPELL	6.0	6.0	7.0	5.0	5.0	6.3	5.7	5.7	5.8
BARRAGE	6.0	5.3	7.7	4.3	4.0	6.7	6.3	5.7	5.8
CALIENTE	7.3	5.7	7.0	4.0	4.3	7.0	5.0	5.7	5.8
MULLIGAN (NK 89001)	6.0	6.3	7.0	4.7	4.3	6.3	5.3	5.7	5.7
CLP 144	5.5	5.7	6.7	5.0	4.0	6.7	5.7	6.0	5.6
PENNFINE	6.7	6.3	6.7	3.3	4.0	6.7	5.0	.	5.5
METEOR	5.7	6.0	6.3	4.7	3.3	7.0	6.0	5.0	5.5
MOM LP 3182	5.3	5.3	7.0	5.0	3.7	6.3	5.7	5.7	5.5
BARRAGE ++	5.7	5.3	6.7	4.3	4.7	6.0	5.7	5.3	5.5
MOM LP 3111	5.3	5.3	6.3	4.0	4.0	7.0	5.7	6.0	5.5
SURPRISE	5.7	6.0	6.7	4.0	3.7	6.7	5.3	5.3	5.4
DANARO	5.7	6.0	5.7	4.0	4.3	6.7	5.3	5.3	5.4
DANILO	6.7	6.3	5.0	3.7	4.0	6.0	5.7	5.7	5.4
MOM LP 3185	6.0	6.0	6.3	3.3	3.7	6.3	5.0	5.3	5.3
ENTRAR	5.7	6.0	6.0	3.3	4.3	6.3	5.7	4.7	5.3
OVATION	5.3	5.3	5.7	3.7	4.3	6.0	5.3	5.3	5.1
LORETTA	5.3	5.3	5.7	3.3	3.7	6.0	5.7	5.3	5.0
TROUBADOUR	5.7	5.3	6.0	3.3	3.7	6.3	5.0	5.0	5.0
CARTEL	5.0	5.3	5.7	3.0	3.3	6.3	5.3	5.3	4.9
MOM LP 3179	5.7	5.3	5.3	3.0	3.7	6.0	5.3	5.0	4.9
TORONTO	5.3	5.0	6.3	2.7	4.0	6.0	5.0	5.0	4.9
LINN	5.0	4.7	4.3	1.3	2.0	6.7	4.3	4.7	4.1
LSD VALUE	1.2	1.0	0.9	1.0	0.8	0.6	0.7	0.9	0.3

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

TABLE 6. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

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

NAME	NJ3	MEAN
PICK 89LLG	7.0	7.0
AFFINITY (GEN-90)	6.7	6.7
ASSURE	6.3	6.3
HE 311	6.3	6.3
REPELL II (LDRD)	6.3	6.3
WVPB 89-92	6.3	6.3
ZPS-28D	6.3	6.3
BRIGHTSTAR (PST-GH-89)	6.0	6.0
DANILO	6.0	6.0
DIMENSION (2H7)	6.0	6.0
EAGLE (WVPB-89PRA3)	6.0	6.0
ELITE (WVPB-88PRC23)	6.0	6.0
LEGACY	6.0	6.0
PALMER II (P89)	6.0	6.0
PATRIOT II	6.0	6.0
PICK 1800	6.0	6.0
PICK 89-4	6.0	6.0
PICK 9100	6.0	6.0
PICK DKM	6.0	6.0
PRELUDE II (2P2-90)	6.0	6.0
PST-28M	6.0	6.0
PST-2FF	6.0	6.0
QUICKSTART (PST-2FQR)	6.0	6.0
SR 4200	6.0	6.0
SYN-P	6.0	6.0
YORKTOWN III (LDRF)	6.0	6.0
ZW 42-176	6.0	6.0
89-666	5.7	5.7
ACCOLADE	5.7	5.7
ADVENT	5.7	5.7
APM	5.7	5.7
BAR IP 086FL	5.7	5.7
COMPETITOR	5.7	5.7
COWBOY II (WM-II)	5.7	5.7
EQUAL	5.7	5.7
ESSENCE (PR 8820)	5.7	5.7
EXPRESS	5.7	5.7
GETTYSBURG	5.7	5.7
MANHATTAN II (E)	5.7	5.7
MVF 89-90	5.7	5.7
NAVAJO (PST-2DPR)	5.7	5.7
PICK EEC	5.7	5.7
PINNACLE	5.7	5.7
POLY-SH	5.7	5.7
PR 9119	5.7	5.7

LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	NJ3	MEAN
PR 9121	5.7	5.7
PS-105	5.7	5.7
PST-290	5.7	5.7
PST-2B3	5.7	5.7
PST-2ROR	5.7	5.7
REPELL	5.7	5.7
RODEO II	5.7	5.7
SATURN	5.7	5.7
STALLION	5.7	5.7
WVPB-89-87A	5.7	5.7
ALLEGRO	5.3	5.3
BAR IP 852	5.3	5.3
CHARGER	5.3	5.3
CUTLESS	5.3	5.3
DANDY	5.3	5.3
ENVY	5.3	5.3
KOOS 90-1	5.3	5.3
KOOS 90-2	5.3	5.3
LINDSAY	5.3	5.3
MOM IP 3147	5.3	5.3
MOM IP 3184	5.3	5.3
MVF 89-88	5.3	5.3
N-33	5.3	5.3
NOMAD	5.3	5.3
OFI-F7	5.3	5.3
PEBBLE BEACH	5.3	5.3
PENNANT	5.3	5.3
PLEASURE	5.3	5.3
PREMIER	5.3	5.3
PST-23C	5.3	5.3
PST-2OG	5.3	5.3
RIVIERA	5.3	5.3
SEVILLE	5.3	5.3
SHERWOOD	5.3	5.3
STATESMAN (WVPB-88PRD12)	5.3	5.3
TARGET	5.3	5.3
TOPEKA (WVPB-88PRD10)	5.3	5.3
UNKNOWN	5.3	5.3
4DD-DELAWARE DWARF	5.0	5.0
CALIENTE	5.0	5.0
CALYPSO	5.0	5.0
CITATION II	5.0	5.0
CLP 144	5.0	5.0
CLP 39	5.0	5.0
COMMANDER	5.0	5.0

TABLE 6. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	NJ3	MEAN
DERBY SUPREME	5.0	5.0
EEG 358	5.0	5.0
FIESTA II	5.0	5.0
GATOR	5.0	5.0
PR 9109	5.0	5.0
PR 9118	5.0	5.0
ZPS-2EZ	5.0	5.0
BARRAGE	4.7	4.7
BARRAGE ++	4.7	4.7
C-21	4.7	4.7
DANARO	4.7	4.7
DUET	4.7	4.7
ENTRAR	4.7	4.7
GOALIE	4.7	4.7
LORETTA	4.7	4.7
MOM IP 3111	4.7	4.7
MULLIGAN (NK 89001)	4.7	4.7
OVATION	4.7	4.7
PR 9108	4.7	4.7
REGAL	4.7	4.7
TAYA	4.7	4.7
TROUBADOUR	4.7	4.7
856	4.3	4.3
MOM IP 3182	4.3	4.3
OFI-D4	4.3	4.3
SURPRISE	4.3	4.3
TORONTO	4.3	4.3
CARTEL	4.0	4.0
MOM IP 3179	4.0	4.0
MOM IP 3185	4.0	4.0
PENNFINE	4.0	4.0
METEOR	3.7	3.7
LINN	2.7	2.7
LSD VALUE	1.0	1.0

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

TABLE 7. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

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

NAME	OR9	MEAN
PALMER II (P89)	8.0	8.0
PICK 89-4	7.7	7.7
PICK 9100	7.7	7.7
PICK DKM	7.7	7.7
PICK EEC	7.7	7.7
POLY-SH	7.7	7.7
PRELUDE II (2P2-90)	7.7	7.7
PST-23C	7.7	7.7
AFFINITY (GEN-90)	7.3	7.3
BRIGHTSTAR (PST-GH-89)	7.3	7.3
DIMENSION (2H7)	7.3	7.3
NAVAJO (PST-2DPR)	7.3	7.3
PICK 1800	7.3	7.3
PS-105	7.3	7.3
QUICKSTART (PST-2FQR)	7.3	7.3
REPELL II (LDRD)	7.3	7.3
ZPS-28D	7.3	7.3
4DD-DELAWARE DWARF	7.0	7.0
ADVENT	7.0	7.0
EAGLE (WVPB-89PRA3)	7.0	7.0
GETTYSBURG	7.0	7.0
PR 9121	7.0	7.0
PST-2B3	7.0	7.0
PST-2FF	7.0	7.0
SYN-P	7.0	7.0
YORKTOWN III (LDRF)	7.0	7.0
ZPS-2EZ	7.0	7.0
ASSURE	6.7	6.7
BAR LP 852	6.7	6.7
CHARGER	6.7	6.7
CITATION II	6.7	6.7
KOOS 90-1	6.7	6.7
LEGACY	6.7	6.7
N-33	6.7	6.7
OFI-F7	6.7	6.7
PLEASURE	6.7	6.7
PR 9109	6.7	6.7
PR 9119	6.7	6.7
PST-28M	6.7	6.7
PST-290	6.7	6.7
SEVILLE	6.7	6.7
STALLION	6.7	6.7
STATESMAN (WVPB-88PRD12)	6.7	6.7
WVPB-89-87A	6.7	6.7
89-666	6.3	6.3

WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

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

NAME	OR9	MEAN
APM	6.3	6.3
COMMANDER	6.3	6.3
DERBY SUPREME	6.3	6.3
EQUAL	6.3	6.3
ESSENCE (PR 8820)	6.3	6.3
EXPRESS	6.3	6.3
KOOS 90-2	6.3	6.3
MVF 89-88	6.3	6.3
MVF 89-90	6.3	6.3
PATRIOT II	6.3	6.3
PENNANT	6.3	6.3
PR 9108	6.3	6.3
PST-20G	6.3	6.3
REGAL	6.3	6.3
RODEO II	6.3	6.3
SATURN	6.3	6.3
SR 4200	6.3	6.3
ZW 42-176	6.3	6.3
C-21	6.0	6.0
COMPETITOR	6.0	6.0
COWBOY II (WM-II)	6.0	6.0
DANDY	6.0	6.0
ELITE (WVPB-88PRC23)	6.0	6.0
ENVY	6.0	6.0
LINDSAY	6.0	6.0
MOM LP 3147	6.0	6.0
PICK 89LLG	6.0	6.0
PINNACLE	6.0	6.0
PR 9118	6.0	6.0
PST-2ROR	6.0	6.0
RIVIERA	6.0	6.0
TOPEKA (WVPB-88PRD10)	6.0	6.0
ACCOLADE	5.7	5.7
BARRAGE ++	5.7	5.7
CUTLESS	5.7	5.7
MOM LP 3184	5.7	5.7
NOMAD	5.7	5.7
PREMIER	5.7	5.7
SHERWOOD	5.7	5.7
TARGET	5.7	5.7
WVPB 89-92	5.7	5.7
BAR LP 086FL	5.3	5.3
BARRAGE	5.3	5.3
FIESTA II	5.3	5.3
MANHATTAN II (E)	5.3	5.3

TABLE 7. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

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

NAME	OR9	MEAN
OFI-D4	5.3	5.3
PEBBLE BEACH	5.3	5.3
UNKNOWN	5.3	5.3
856	5.0	5.0
CALYPSO	5.0	5.0
GATOR	5.0	5.0
MOM LP 3179	5.0	5.0
MOM LP 3182	5.0	5.0
MOM LP 3185	5.0	5.0
MULLIGAN (NK 89001)	5.0	5.0
REPELL	5.0	5.0
TAYA	5.0	5.0
CALIENTE	4.7	4.7
DANARO	4.7	4.7
DUET	4.7	4.7
HE 311	4.7	4.7
METEOR	4.7	4.7
MOM LP 3111	4.7	4.7
TORONTO	4.7	4.7
ALLEGRO	4.3	4.3
EEG 358	4.3	4.3
ENTRAR	4.3	4.3
GOALIE	4.3	4.3
PENNFINE	4.3	4.3
SURPRISE	4.3	4.3
CARTEL	4.0	4.0
CLP 144	4.0	4.0
DANILO	4.0	4.0
LINN	4.0	4.0
LORETTA	4.0	4.0
CLP 39	3.7	3.7
OVATION	3.7	3.7
TROUBADOUR	3.7	3.7
LSD VALUE	1.1	1.1

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

TABLE 8. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 1/						
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-88PRD10)	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 (2P2-90)	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
4DD-DELAWARE DWARF	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
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
DANARO	6.3	6.7	6.0	6.7	7.0	6.5
OFI-D4	7.7	6.3	4.7	5.7	8.3	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
EAGLE (WVPB-89PRA3)	6.7	6.0	6.0	5.3	8.7	6.5
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

SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 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
OFI-F7	5.3	5.0	6.3	7.7	7.7	6.4
PR 9109	6.3	6.3	6.3	5.7	7.3	6.4
STATESMAN (WVPB-88PRD12)	6.3	6.3	5.3	5.7	8.3	6.4
SYN-P	6.7	6.3	5.7	5.0	8.3	6.4
ELITE (WVPB-88PRC23)	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
PS-105	6.7	5.3	6.0	5.3	8.3	6.3
SATURN	6.0	6.0	5.0	6.0	8.7	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
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
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
WVPB 89-92	6.0	5.7	6.0	5.0	8.3	6.2
MOM LP 3182	5.3	5.3	6.0	7.0	7.3	6.2
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
MOM LP 3147	6.7	4.0	6.0	6.7	7.0	6.1
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
PST-2B3	5.3	6.0	6.3	4.7	8.0	6.1
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 8. SEEDLING VIGOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 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
POLY-SH	7.0	5.7	5.3	4.0	7.7	5.9
PST-2FF	6.7	5.0	4.7	5.3	8.0	5.9
ZW 42-176	6.0	5.7	5.3	5.0	7.7	5.9
DANILO	5.7	6.0	5.3	5.3	7.3	5.9
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
HE 311	5.7	5.3	6.0	4.7	7.7	5.9
MULLIGAN (NK 89001)	6.0	4.3	4.7	6.7	7.7	5.9
PICK 89LLG	7.0	4.7	5.0	4.0	8.7	5.9
PICK 9100	5.3	5.3	6.3	4.0	8.3	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
PICK DKM	6.7	5.3	4.3	4.3	8.3	5.8
PR 9118	6.0	4.7	5.3	5.0	8.0	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
BARRAGE	7.0	4.3	5.3	3.3	8.3	5.7
PEBBLE BEACH	5.7	5.7	4.7	4.3	8.0	5.7
PST-2ROR	5.0	5.7	4.7	4.7	8.0	5.6
PICK 1800	5.0	6.0	4.3	4.0	8.7	5.6
PST-28M	5.3	5.7	3.3	4.7	8.7	5.5
REGAL	5.0	5.0	5.7	4.7	7.3	5.5
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/ 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. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/				
NAME	NJ3	OH1	ON1	MEAN
ADVENT	6.0	7.3	6.3	6.6
SR 4200	6.3	6.3	7.0	6.6
BRIGHTSTAR (PST-GH-89)	6.0	6.7	6.7	6.4
CLP 39	5.7	6.7	7.0	6.4
ELITE (WVPB-88PRC23)	5.7	7.0	6.7	6.4
PINNACLE	6.0	7.7	5.7	6.4
COMMANDER	5.3	7.7	6.3	6.4
WVPB-89-87A	5.7	7.3	6.3	6.4
ZPS-28D	6.7	6.3	6.3	6.4
MANHATTAN II (E)	5.3	7.7	6.0	6.3
MOM LP 3147	5.3	7.3	6.3	6.3
MVF 89-90	5.7	6.7	6.7	6.3
NOMAD	5.3	7.0	6.7	6.3
PRELUDE II (2P2-90)	5.7	7.3	6.0	6.3
SATURN	5.7	7.0	6.3	6.3
89-666	5.0	6.7	7.0	6.2
DERBY SUPREME	5.0	7.0	6.7	6.2
STATESMAN (WVPB-88PRD12)	5.7	6.7	6.3	6.2
LEGACY	6.3	6.0	6.3	6.2
MVF 89-88	5.3	7.0	6.3	6.2
PREMIER	5.0	7.3	6.3	6.2
WVPB 89-92	6.0	6.3	6.3	6.2
APM	5.7	6.7	6.0	6.1
COMPETITOR	5.7	7.0	5.7	6.1
EXPRESS	5.0	6.7	6.7	6.1
MOM LP 3185	4.7	6.7	7.0	6.1
N-33	5.7	6.7	6.0	6.1
PICK 89-4	6.0	5.7	6.7	6.1
PICK DKM	6.0	6.7	5.7	6.1
PS-105	6.0	6.7	5.7	6.1
UNKNOWN	5.0	7.7	5.7	6.1
4DD-DELAWARE DWARF	5.3	7.0	6.0	6.1
ALLEGRO	5.3	6.3	6.7	6.1
BARRAGE ++	5.3	7.0	6.0	6.1
CALIENTE	4.7	7.3	6.3	6.1
DANDY	5.3	7.0	6.0	6.1
EQUAL	5.7	6.3	6.3	6.1
MOM LP 3184	5.3	7.3	5.7	6.1
PICK 89LLG	6.3	6.0	6.0	6.1
PR 9108	5.0	7.3	6.0	6.1
SEVILLE	5.0	7.0	6.3	6.1
SHERWOOD	5.7	6.3	6.3	6.1
SURPRISE	5.3	6.7	6.3	6.1
856	5.0	6.7	6.3	6.0
AFFINITY (GEN-90)	5.7	6.7	5.7	6.0

SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NJ3	OH1	ON1	MEAN
ASSURE	5.7	6.3	6.0	6.0
BARRAGE	5.3	6.7	6.0	6.0
CALYPSO	5.0	7.3	5.7	6.0
CHARGER	5.3	6.7	6.0	6.0
CUTLESS	5.3	6.7	6.0	6.0
EAGLE (WVPB-89PRA3)	5.7	6.3	6.0	6.0
GATOR	5.3	7.3	5.3	6.0
KOOS 90-2	5.0	6.7	6.3	6.0
NAVAJO (PST-2DPR)	6.0	6.3	5.7	6.0
OFI-F7	5.0	7.0	6.0	6.0
PALMER II (P89)	5.3	6.3	6.3	6.0
PENNANT	5.3	7.0	5.7	6.0
PLEASURE	5.0	6.7	6.3	6.0
PR 9121	6.0	6.0	6.0	6.0
PST-28M	6.3	6.3	5.3	6.0
PST-290	5.3	6.7	6.0	6.0
PST-2ROR	5.0	7.0	6.0	6.0
REPELL	5.7	6.7	5.7	6.0
REPELL II (LDRD)	5.7	6.3	6.0	6.0
RODEO II	5.0	7.3	5.7	6.0
SYN-P	5.7	6.0	6.3	6.0
TOPEKA (WVPB-88PRD10)	5.3	7.0	5.7	6.0
YORKTOWN III (LDRF)	5.3	6.7	6.0	6.0
BAR LP 086FL	4.7	6.7	6.3	5.9
COWBOY II (WM-II)	5.0	6.7	6.0	5.9
DIMENSION (2H7)	5.7	6.3	5.7	5.9
ESSENCE (PR 8820)	5.3	6.7	5.7	5.9
FIESTA II	5.0	6.7	6.0	5.9
GETTYSBURG	4.7	6.7	6.3	5.9
HE 311	5.7	6.3	5.7	5.9
KOOS 90-1	5.3	6.7	5.7	5.9
MULLIGAN (NK 89001)	4.7	7.3	5.7	5.9
OFI-D4	5.0	7.0	5.7	5.9
OVATION	4.7	6.3	6.7	5.9
PICK 9100	5.7	6.3	5.7	5.9
PR 9119	5.7	6.3	5.7	5.9
STALLION	4.7	6.7	6.3	5.9
TROUBADOUR	4.7	7.0	6.0	5.9
ENTRAR	5.3	6.3	6.0	5.9
PR 9118	5.0	6.3	6.3	5.9
TORONTO	4.3	7.0	6.3	5.9
PST-2B3	5.0	6.7	5.7	5.8
ACCOLADE	5.0	6.3	6.0	5.8
DANARO	5.0	6.3	6.0	5.8
DUET	4.3	6.3	6.7	5.8

TABLE 9. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY				
NAME	NJ3	OH1	ON1	MEAN
ENVY	5.3	6.0	6.0	5.8
LINDSAY	5.0	6.3	6.0	5.8
PEBBLE BEACH	5.3	5.7	6.3	5.8
PST-2FF	5.3	6.3	5.7	5.8
ZW 42-176	5.0	6.3	6.0	5.8
BAR LP 852	4.7	6.7	5.7	5.7
CITATION II	4.3	7.0	5.7	5.7
CLP 144	4.3	6.3	6.3	5.7
DANILO	5.0	6.3	5.7	5.7
LORETTA	5.3	6.3	5.3	5.7
PR 9109	5.0	6.3	5.7	5.7
PST-23C	5.0	6.0	6.0	5.7
PST-2OG	4.3	6.3	6.3	5.7
QUICKSTART (PST-2FQR)	5.3	6.0	5.7	5.7
ZPS-2EZ	5.0	6.0	6.0	5.7
C-21	4.7	7.0	5.0	5.6
PICK EEC	4.7	6.0	6.0	5.6
REGAL	4.3	6.7	5.7	5.6
TAYA	5.3	5.7	5.7	5.6
CARTEL	4.3	7.0	5.3	5.6
MOM LP 3111	4.3	6.3	6.0	5.6
MOM LP 3179	4.3	7.0	5.3	5.6
POLY-SH	5.3	5.3	6.0	5.6
RIVIERA	4.7	6.7	5.0	5.4
GOALIE	5.0	6.0	5.3	5.4
METEOR	4.3	6.7	5.3	5.4
MOM LP 3182	4.0	7.0	5.3	5.4
PATRIOT II	5.0	6.0	5.3	5.4
EEG 358	4.7	5.7	5.7	5.3
PICK 1800	5.0	6.3	4.7	5.3
TARGET	4.3	6.0	5.7	5.3
PENNFINE	3.7	6.3	5.7	5.2
LINN	2.7	6.7	5.7	5.0
LSD VALUE	1.0	1.6	1.4	0.8

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

TABLE 10. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/			
NAME	NJ1	NJ3	MEAN
AFFINITY (GEN-90)	7.7	6.7	7.2
ZPS-28D	8.7	5.7	7.2
BRIGHTSTAR (PST-GH-89)	8.7	5.3	7.0
REPELL II (LDRD)	7.7	6.3	7.0
SYN-P	8.0	6.0	7.0
ADVENT	7.7	6.0	6.8
GETTYSBURG	8.0	5.7	6.8
PINNACLE	7.7	6.0	6.8
QUICKSTART (PST-2FQR)	8.3	5.3	6.8
SR 4200	8.0	5.7	6.8
PICK DKM	7.3	6.3	6.8
89-666	7.3	5.7	6.5
APM	7.7	5.3	6.5
PICK 89-4	7.0	6.0	6.5
PRELUDE II (2P2-90)	7.0	6.0	6.5
PS-105	7.7	5.3	6.5
ASSURE	7.0	5.7	6.3
EAGLE (WVPB-89PRA3)	6.7	6.0	6.3
EXPRESS	7.0	5.7	6.3
PICK 1800	6.7	6.0	6.3
PST-28M	6.7	6.0	6.3
YORKTOWN III (LDRF)	7.0	5.7	6.3
OFI-F7	6.7	5.7	6.2
LEGACY	7.0	5.3	6.2
MOM LP 3147	7.0	5.3	6.2
PALMER II (P89)	7.0	5.3	6.2
PICK EEC	7.3	5.0	6.2
PST-290	7.0	5.3	6.2
PST-2FF	7.3	5.0	6.2
DANDY	6.7	5.3	6.0
EQUAL	6.3	5.7	6.0
KOOS 90-1	7.0	5.0	6.0
PENNANT	6.0	5.7	5.8
PST-23C	7.0	4.7	5.8
SEVILLE	6.7	5.0	5.8
ACCOLADE	6.3	5.3	5.8
DIMENSION (2H7)	5.3	6.0	5.7
MANHATTAN II (E)	6.3	5.0	5.7
PREMIER	6.0	5.3	5.7
WVPB-89-87A	6.0	5.3	5.7
ZPS-2EZ	6.3	5.0	5.7
4DD-DELAWARE DWARF	6.0	5.0	5.5
PICK 9100	5.3	5.7	5.5
PLEASURE	6.0	5.0	5.5
PR 9119	5.7	5.3	5.5

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NJ1	NJ3	MEAN
PST-2B3	5.3	5.7	5.5
RIVIERA	5.7	5.3	5.5
SATURN	5.7	5.3	5.5
SHERWOOD	5.3	5.7	5.5
STATESMAN (WVPB-88PRD12)	5.7	5.3	5.5
TARGET	6.3	4.7	5.5
TOPEKA (WVPB-88PRD10)	6.0	5.0	5.5
ENVY	5.7	4.7	5.2
NAVAJO (PST-2DPR)	4.7	5.7	5.2
CHARGER	5.0	5.3	5.2
COMMANDER	5.0	5.3	5.2
GATOR	4.0	6.0	5.0
PR 9118	5.0	5.0	5.0
UNKNOWN	4.3	5.7	5.0
CALYPSO	5.0	4.7	4.8
KOOS 90-2	5.0	4.7	4.8
MULLIGAN (NK 89001)	5.0	4.7	4.8
PR 9121	4.7	5.0	4.8
RODEO II	4.7	5.0	4.8
N-33	4.3	5.3	4.8
FIESTA II	3.7	5.7	4.7
STALLION	3.7	5.7	4.7
MVF 89-90	4.3	5.0	4.7
PST-2ROR	4.3	5.0	4.7
BARRAGE ++	4.0	5.0	4.5
C-21	3.3	5.7	4.5
COMPETITOR	3.3	5.7	4.5
DERBY SUPREME	3.7	5.3	4.5
ELITE (WVPB-88PRC23)	4.0	5.0	4.5
MVF 89-88	3.7	5.3	4.5
REPELL	3.7	5.3	4.5
CALIENTE	4.0	4.7	4.3
PENNFINE	4.0	4.7	4.3
PR 9108	4.0	4.7	4.3
LINDSAY	3.3	5.3	4.3
MOM LP 3184	3.3	5.3	4.3
PICK 89LIG	3.3	5.3	4.3
PR 9109	3.7	5.0	4.3
PST-2OG	4.3	4.3	4.3
CITATION II	3.3	5.0	4.2
COWBOY II (WM-II)	3.3	5.0	4.2
ESSENCE (PR 8820)	3.7	4.7	4.2
PATRIOT II	3.3	5.0	4.2
PEBBLE BEACH	2.7	5.7	4.2
REGAL	3.7	4.7	4.2

TABLE 10. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY			
NAME	NJ1	NJ3	MEAN
BARRAGE	3.0	5.0	4.0
DUET	3.0	5.0	4.0
HE 311	2.0	6.0	4.0
NOMAD	3.0	5.0	4.0
OFI-D4	3.0	5.0	4.0
POLY-SH	3.0	4.7	3.8
WVPB 89-92	3.0	4.7	3.8
CUTLESS	2.7	5.0	3.8
LORETTA	2.3	5.3	3.8
856	2.7	4.7	3.7
ALLEGRO	2.3	5.0	3.7
EEG 358	2.3	5.0	3.7
BAR LP 852	3.0	4.3	3.7
DANARO	2.0	5.3	3.7
TORONTO	3.0	4.3	3.7
MOM LP 3182	2.7	4.3	3.5
MOM LP 3185	2.7	4.3	3.5
OVATION	2.3	4.7	3.5
TAYA	2.3	4.7	3.5
ENTRAR	2.0	4.7	3.3
GOALIE	2.0	4.7	3.3
BAR LP 086FL	2.3	4.3	3.3
CLP 144	2.7	4.0	3.3
CLP 39	1.7	4.7	3.2
ZW 42-176	2.3	4.0	3.2
MOM LP 3179	2.0	4.3	3.2
DANILO	1.3	4.7	3.0
SURPRISE	1.0	5.0	3.0
TROUBADOUR	1.7	4.3	3.0
MOM LP 3111	1.3	4.3	2.8
METEOR	1.3	3.7	2.5
CARTEL	1.0	3.3	2.2
LINN	1.3	2.7	2.0
LSD VALUE	1.8	1.1	1.0

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

TABLE 11. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

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

NAME	NJ3	MEAN
AFFINITY (GEN-90)	7.3	7.3
HE 311	7.3	7.3
PICK DKM	7.3	7.3
REPELL II (LDRD)	7.3	7.3
SYN-P	7.3	7.3
COMPETITOR	7.0	7.0
DIMENSION (2H7)	7.0	7.0
PALMER II (P89)	7.0	7.0
PST-28M	7.0	7.0
ASSURE	6.7	6.7
EQUAL	6.7	6.7
PICK 1800	6.7	6.7
PINNACLE	6.7	6.7
PRELUDE II (2P2-90)	6.7	6.7
SATURN	6.7	6.7
YORKTOWN III (LDRF)	6.7	6.7
89-666	6.3	6.3
DANDY	6.3	6.3
EXPRESS	6.3	6.3
KOOS 90-1	6.3	6.3
LEGACY	6.3	6.3
PICK 89-4	6.3	6.3
PS-105	6.3	6.3
PST-2B3	6.3	6.3
PST-2FF	6.3	6.3
QUICKSTART (PST-2FQR)	6.3	6.3
REPELL	6.3	6.3
SHERWOOD	6.3	6.3
ADVENT	6.0	6.0
APM	6.0	6.0
CHARGER	6.0	6.0
COWBOY II (WM-II)	6.0	6.0
DERBY SUPREME	6.0	6.0
EAGLE (WVPB-89PRA3)	6.0	6.0
ELITE (WVPB-88PRC23)	6.0	6.0
ENVY	6.0	6.0
GETTYSBURG	6.0	6.0
MANHATTAN II (E)	6.0	6.0
MOM IP 3184	6.0	6.0
MVF 89-90	6.0	6.0
N-33	6.0	6.0
NAVAJO (PST-2DPR)	6.0	6.0
NOMAD	6.0	6.0
PEBBLE BEACH	6.0	6.0
PICK 89LLG	6.0	6.0

FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NJ3	MEAN
PICK EEC	6.0	6.0
REGAL	6.0	6.0
SEVILLE	6.0	6.0
SR 4200	6.0	6.0
STALLION	6.0	6.0
TARGET	6.0	6.0
UNKNOWN	6.0	6.0
ZPS-28D	6.0	6.0
856	5.7	5.7
ACCOLADE	5.7	5.7
BARRAGE ++	5.7	5.7
COMMANDER	5.7	5.7
GATOR	5.7	5.7
KOOS 90-2	5.7	5.7
MOM LP 3147	5.7	5.7
MVF 89-88	5.7	5.7
OFI-F7	5.7	5.7
PATRIOT II	5.7	5.7
PENNANT	5.7	5.7
PICK 9100	5.7	5.7
PLEASURE	5.7	5.7
PR 9109	5.7	5.7
PR 9118	5.7	5.7
PR 9119	5.7	5.7
PR 9121	5.7	5.7
PST-290	5.7	5.7
PST-20G	5.7	5.7
RIVIERA	5.7	5.7
RODEO II	5.7	5.7
STATESMAN (WVPB-88PRD12)	5.7	5.7
TROUBADOUR	5.7	5.7
WVPB 89-92	5.7	5.7
ZPS-2EZ	5.7	5.7
4DD-DELAWARE DWARF	5.3	5.3
ALLEGRO	5.3	5.3
BRIGHTSTAR (PST-GH-89)	5.3	5.3
CALIENTE	5.3	5.3
DANILO	5.3	5.3
DUET	5.3	5.3
EEG 358	5.3	5.3
ESSENCE (PR 8820)	5.3	5.3
FIESTA II	5.3	5.3
LINDSAY	5.3	5.3
MULLIGAN (NK 89001)	5.3	5.3
OFI-D4	5.3	5.3

TABLE 11. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NJ3	MEAN
PR 9108	5.3	5.3
PREMIER	5.3	5.3
PST-23C	5.3	5.3
PST-2ROR	5.3	5.3
SURPRISE	5.3	5.3
TOPEKA (WVPB-88PRD10)	5.3	5.3
BARRAGE	5.0	5.0
CALYPSO	5.0	5.0
CITATION II	5.0	5.0
CLP 144	5.0	5.0
CLP 39	5.0	5.0
CUTLESS	5.0	5.0
DANARO	5.0	5.0
MOM LP 3111	5.0	5.0
MOM LP 3182	5.0	5.0
MOM LP 3185	5.0	5.0
PENNFINE	5.0	5.0
TAYA	5.0	5.0
TORONTO	5.0	5.0
WVPB-89-87A	5.0	5.0
ZW 42-176	5.0	5.0
BAR LP 852	4.7	4.7
C-21	4.7	4.7
ENTRAR	4.7	4.7
GOALIE	4.7	4.7
OVATION	4.7	4.7
POLY-SH	4.7	4.7
BAR LP 086FL	4.3	4.3
CARTEL	4.3	4.3
LORETTA	4.3	4.3
MOM LP 3179	4.3	4.3
METEOR	3.0	3.0
LINN	2.3	2.3
LSD VALUE	1.5	1.5

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

TABLE 12. PERCENT LIVING GROUND COVER (SPRING)
RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/

NAME	ONL	RI1	MEAN
MOM LP 3185	70.0	68.3	69.2
CALYPSO	65.0	68.3	66.7
SEVILLE	70.0	61.7	65.8
89-666	66.7	63.3	65.0
CALIENTE	66.7	63.3	65.0
CLP 39	70.0	60.0	65.0
DERBY SUPREME	66.7	63.3	65.0
ELITE (WVPB-88PRC23)	70.0	58.3	64.2
COMMANDER	66.7	60.0	63.3
ENTRAR	66.7	60.0	63.3
EXPRESS	66.7	60.0	63.3
TOPEKA (WVPB-88PRD10)	63.3	63.3	63.3
ACCOLADE	63.3	61.7	62.5
APM	63.3	61.7	62.5
DANILO	60.0	65.0	62.5
EQUAL	66.7	58.3	62.5
MOM LP 3147	66.7	58.3	62.5
PREMIER	60.0	65.0	62.5
STALLION	60.0	65.0	62.5
ALLEGRO	70.0	53.3	61.7
ASSURE	56.7	66.7	61.7
PLEASURE	63.3	60.0	61.7
856	63.3	58.3	60.8
LEGACY	66.7	55.0	60.8
ZW 42-176	63.3	58.3	60.8
AFFINITY (GEN-90)	60.0	61.7	60.8
BAR LP 852	60.0	60.0	60.0
BARRAGE ++	63.3	56.7	60.0
CITATION II	63.3	56.7	60.0
GATOR	56.7	63.3	60.0
N-33	56.7	63.3	60.0
OVATION	56.7	63.3	60.0
PST-2B3	56.7	63.3	60.0
UNKNOWN	56.7	63.3	60.0
BAR LP 086FL	60.0	58.3	59.2
DANDY	60.0	58.3	59.2
MVF 89-90	60.0	58.3	59.2
PINNACLE	53.3	65.0	59.2
RIVIERA	63.3	55.0	59.2
ZPS-28D	63.3	55.0	59.2
4DD-DELAWARE DWARF	56.7	61.7	59.2
PATRIOT II	56.7	61.7	59.2
PENNANT	56.7	61.7	59.2
REPELL	56.7	61.7	59.2
NOMAD	63.3	53.3	58.3

PERCENT LIVING GROUND COVER (SPRING)
RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS

NAME	ONL	RI1	MEAN
WVPB-89-87A	63.3	53.3	58.3
ADVENT	60.0	56.7	58.3
FIESTA II	60.0	56.7	58.3
DANARO	60.0	55.0	57.5
KOOS 90-2	63.3	51.7	57.5
MANHATTAN II (E)	56.7	58.3	57.5
METEOR	56.7	58.3	57.5
MOM LP 3184	60.0	55.0	57.5
PR 9109	60.0	55.0	57.5
SATURN	60.0	55.0	57.5
TORONTO	60.0	55.0	57.5
BARRAGE	66.7	46.7	56.7
LINN	53.3	60.0	56.7
MOM LP 3179	53.3	60.0	56.7
PST-23C	53.3	60.0	56.7
COWBOY II (WM-II)	56.7	56.7	56.7
CUTLESS	56.7	56.7	56.7
DIMENSION (2H7)	56.7	56.7	56.7
EEG 358	56.7	56.7	56.7
MOM LP 3111	56.7	56.7	56.7
PENNFINE	56.7	56.7	56.7
REPELL II (LDRD)	56.7	56.7	56.7
C-21	53.3	58.3	55.8
MULLIGAN (NK 89001)	53.3	58.3	55.8
NAVAJO (PST-2DPR)	53.3	58.3	55.8
PR 9119	63.3	48.3	55.8
PST-20G	63.3	48.3	55.8
EAGLE (WVPB-89PRA3)	60.0	51.7	55.8
PEBBLE BEACH	56.7	55.0	55.8
PICK 89LLG	60.0	51.7	55.8
PST-2FF	56.7	55.0	55.8
WVPB 89-92	56.7	55.0	55.8
CHARGER	56.7	53.3	55.0
ESSENCE (PR 8820)	53.3	56.7	55.0
OFI-F7	56.7	53.3	55.0
PALMER II (P89)	66.7	43.3	55.0
PR 9121	53.3	56.7	55.0
PS-105	53.3	56.7	55.0
PST-290	56.7	53.3	55.0
REGAL	53.3	56.7	55.0
SHERWOOD	63.3	46.7	55.0
STATESMAN (WVPB-88PRD12)	60.0	50.0	55.0
SYN-P	53.3	56.7	55.0
TROUBADOUR	56.7	53.3	55.0
ENVY	53.3	55.0	54.2

TABLE 12. PERCENT LIVING GROUND COVER (SPRING)
(CONT'D) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS

NAME	ONL	RI1	MEAN
GETTYSBURG	60.0	48.3	54.2
BRIGHTSTAR (PST-GH-89)	66.7	40.0	53.3
MVF 89-88	53.3	53.3	53.3
SR 4200	63.3	43.3	53.3
COMPETITOR	56.7	50.0	53.3
PRELUDE II (2P2-90)	56.7	50.0	53.3
PST-2ROR	56.7	50.0	53.3
RODEO II	50.0	56.7	53.3
YORKTOWN III (LDRF)	56.7	50.0	53.3
ZPS-2EZ	56.7	50.0	53.3
CLP 144	53.3	51.7	52.5
DUET	60.0	45.0	52.5
MOM LP 3182	46.7	58.3	52.5
PR 9108	53.3	51.7	52.5
PR 9118	56.7	48.3	52.5
PST-28M	56.7	48.3	52.5
HE 311	53.3	50.0	51.7
LORETTA	53.3	50.0	51.7
OFI-D4	60.0	43.3	51.7
PICK EEC	53.3	50.0	51.7
QUICKSTART (PST-2FQR)	53.3	50.0	51.7
KOOS 90-1	56.7	46.7	51.7
LINDSAY	53.3	48.3	50.8
PICK DKM	56.7	45.0	50.8
TARGET	56.7	45.0	50.8
CARTEL	56.7	43.3	50.0
PICK 9100	56.7	43.3	50.0
TAYA	56.7	41.7	49.2
PICK 1800	46.7	50.0	48.3
SURPRISE	56.7	40.0	48.3
GOALIE	53.3	41.7	47.5
PICK 89-4	60.0	35.0	47.5
POLY-SH	56.7	36.7	46.7
LSD VALUE	16.0	14.0	10.6

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

TABLE 13. PERCENT LIVING GROUND COVER (SUMMER)
RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	ID3	MEAN
EEG 358	99.0	99.0
ACCOLADE	97.7	97.7
GATOR	97.7	97.7
LORETTA	97.7	97.7
MVF 89-88	97.7	97.7
MVF 89-90	97.7	97.7
PST-290	97.7	97.7
PST-2B3	97.7	97.7
REPELL	97.7	97.7
SHERWOOD	97.7	97.7
CITATION II	96.3	96.3
CLP 144	96.3	96.3
DANARO	96.3	96.3
DANILO	96.3	96.3
KOOS 90-2	96.3	96.3
METEOR	96.3	96.3
MOM LP 3185	96.3	96.3
N-33	96.3	96.3
NOMAD	96.3	96.3
PENNANT	96.3	96.3
PR 9119	96.3	96.3
PR 9121	96.3	96.3
SATURN	96.3	96.3
TAYA	96.3	96.3
TROUBADOUR	96.3	96.3
WVPB 89-92	96.3	96.3
BARRAGE	96.0	96.0
CALYPSO	96.0	96.0
EAGLE (WVPB-89PRA3)	96.0	96.0
LEGACY	96.0	96.0
LINDSAY	96.0	96.0
PEBBLE BEACH	96.0	96.0
TARGET	96.0	96.0
89-666	95.0	95.0
DANDY	95.0	95.0
PICK 9100	95.0	95.0
STATESMAN (WVPB-88PRD12)	95.0	95.0
ASSURE	94.7	94.7
CLP 39	94.7	94.7
ELITE (WVPB-88PRC23)	94.7	94.7
FIESTA II	94.7	94.7
MOM LP 3147	94.7	94.7
MOM LP 3184	94.7	94.7
OVATION	94.7	94.7
POLY-SH	94.7	94.7

PERCENT LIVING GROUND COVER (SUMMER)
RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS

NAME	ID3	MEAN
PR 9118	94.7	94.7
PREMIER	94.7	94.7
REGAL	94.7	94.7
AFFINITY (GEN-90)	94.3	94.3
856	93.3	93.3
CHARGER	93.3	93.3
COWBOY II (WM-II)	93.3	93.3
CUTLESS	93.3	93.3
ESSENCE (PR 8820)	93.3	93.3
MOM LP 3111	93.3	93.3
NAVAJO (PST-2DPR)	93.3	93.3
QUICKSTART (PST-2FQR)	93.3	93.3
WVPB-89-87A	93.3	93.3
BARRAGE ++	93.0	93.0
BRIGHTSTAR (PST-GH-89)	93.0	93.0
CALIENTE	93.0	93.0
DERBY SUPREME	93.0	93.0
DUET	93.0	93.0
ENTRAR	93.0	93.0
ENVY	93.0	93.0
MANHATTAN II (E)	93.0	93.0
PATRIOT II	93.0	93.0
PICK 89LLG	93.0	93.0
RIVIERA	93.0	93.0
STALLION	93.0	93.0
HE 311	91.7	91.7
KOOS 90-1	91.7	91.7
MOM LP 3179	91.7	91.7
MULLIGAN (NK 89001)	91.7	91.7
OFI-D4	91.7	91.7
PST-2OG	91.7	91.7
RODEO II	91.7	91.7
SR 4200	91.7	91.7
ZPS-2EZ	91.7	91.7
ZW 42-176	91.7	91.7
4DD-DELAWARE DWARF	91.3	91.3
C-21	91.3	91.3
PST-28M	91.3	91.3
SURPRISE	91.3	91.3
TORONTO	91.3	91.3
DIMENSION (2H7)	91.0	91.0
ALLEGRO	90.0	90.0
GOALIE	90.0	90.0
MOM LP 3182	90.0	90.0
PINNACLE	90.0	90.0

TABLE 13. PERCENT LIVING GROUND COVER (SUMMER)
(CONT'D) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS

NAME	ID3	MEAN
SYN-P	90.0	90.0
SEVILLE	89.7	89.7
UNKNOWN	89.7	89.7
BAR LP 086FL	88.3	88.3
EQUAL	88.3	88.3
GETTYSBURG	88.3	88.3
PICK DKM	88.3	88.3
PLEASURE	88.3	88.3
COMPETITOR	88.0	88.0
PENNFINE	88.0	88.0
PR 9108	88.0	88.0
CARTEL	86.7	86.7
EXPRESS	86.7	86.7
OFL-F7	86.7	86.7
PALMER II (P89)	86.7	86.7
PR 9109	86.7	86.7
PST-2FF	86.7	86.7
PST-2ROR	86.7	86.7
YORKTOWN III (LDRF)	86.7	86.7
PRELUDE II (2P2-90)	86.3	86.3
PS-105	86.3	86.3
REPELL II (LDRD)	86.0	86.0
ADVENT	85.0	85.0
PICK 1800	85.0	85.0
PST-23C	85.0	85.0
TOPEKA (WVPB-88PRD10)	85.0	85.0
COMMANDER	84.7	84.7
APM	83.3	83.3
BAR LP 852	81.7	81.7
PICK 89-4	81.7	81.7
PICK EEC	81.7	81.7
ZPS-28D	75.0	75.0
LINN	68.3	68.3
LSD VALUE	12.0	12.0

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

TABLE 14. PERCENT LIVING GROUND COVER (FALL)
RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	ID2	NJ1	MEAN
PRELUDE II (2P2-90)	96.0	96.0	96.0
ZPS-28D	94.7	97.0	95.8
MANHATTAN II (E)	96.0	94.3	95.2
DANDY	96.3	93.3	94.8
PST-23C	.	94.7	94.7
ZPS-2EZ	94.7	94.7	94.7
ACCOLADE	94.7	94.3	94.5
AFFINITY (GEN-90)	96.3	92.7	94.5
GETTYSBURG	94.7	94.3	94.5
BRIGHTSTAR (PST-GH-89)	93.3	94.7	94.0
4DD-DELAWARE DWARF	97.7	90.0	93.8
ADVENT	93.0	94.7	93.8
PS-105	91.3	96.3	93.8
PICK EEC	89.7	97.0	93.3
PICK 1800	93.3	93.0	93.2
89-666	97.7	88.3	93.0
PST-2FF	91.3	94.3	92.8
SYN-P	91.7	93.3	92.5
EQUAL	94.7	90.0	92.3
PINNACLE	89.7	95.0	92.3
RIVIERA	94.7	90.0	92.3
REPELL II (LDRD)	91.7	92.7	92.2
YORKTOWN III (LDRF)	93.3	91.0	92.2
LEGACY	90.0	93.3	91.7
EXPRESS	89.7	93.3	91.5
PST-2B3	93.0	90.0	91.5
SEVILLE	96.3	86.7	91.5
SHERWOOD	94.7	88.3	91.5
ENVY	93.0	89.7	91.3
OFI-F7	90.0	92.7	91.3
PICK 89-4	88.0	94.7	91.3
PR 9121	97.7	84.3	91.0
QUICKSTART (PST-2FQR)	89.7	92.3	91.0
NAVAJO (PST-2DPR)	93.3	88.3	90.8
SR 4200	83.3	98.3	90.8
STATESMAN (WVPB-88PRD12)	93.3	88.3	90.8
CALYPSO	93.0	88.3	90.7
EAGLE (WVPB-89PRA3)	92.7	88.3	90.5
PICK DKM	86.3	94.7	90.5
PST-290	85.0	95.7	90.3
TARGET	91.3	89.3	90.3
TOPEKA (WVPB-88PRD10)	97.7	82.7	90.2
ASSURE	94.7	85.0	89.8
KOOS 90-1	96.3	83.3	89.8
MOM LP 3184	97.7	81.7	89.7

PERCENT LIVING GROUND COVER (FALL)
RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	ID2	NJ1	MEAN
PALMER II (P89)	86.7	92.0	89.3
APM	91.3	85.7	88.5
PST-28M	94.7	81.7	88.2
REPELL	94.7	81.7	88.2
N-33	96.3	80.0	88.2
DIMENSION (2H7)	89.3	86.7	88.0
UNKNOWN	94.7	80.0	87.3
GATOR	91.0	83.3	87.2
MOM LP 3147	76.7	97.3	87.0
RODEO II	91.7	81.7	86.7
C-21	83.3	90.0	86.7
CHARGER	88.3	85.0	86.7
STALLION	88.3	83.3	85.8
PICK 9100	93.0	78.3	85.7
PR 9119	89.7	81.0	85.3
KOOS 90-2	90.0	80.0	85.0
MVF 89-90	95.0	75.0	85.0
MVF 89-88	97.7	71.7	84.7
WVPB-89-87A	91.7	76.7	84.2
PLEASURE	91.3	76.7	84.0
NOMAD	94.3	73.3	83.8
PENNANT	88.3	78.3	83.3
PST-2ROR	96.3	70.0	83.2
FIESTA II	88.3	76.7	82.5
PR 9109	89.7	75.0	82.3
COMPETITOR	96.3	68.3	82.3
COMMANDER	89.7	73.3	81.5
ELITE (WVPB-88PRC23)	94.7	66.3	80.5
BARRAGE ++	96.3	63.3	79.8
PST-2OG	97.7	61.7	79.7
PATRIOT II	99.0	60.0	79.5
MOM LP 3185	95.0	63.3	79.2
SATURN	95.0	63.3	79.2
COWBOY II (WM-II)	78.0	80.0	79.0
ESSENCE (PR 8820)	85.0	71.7	78.3
CITATION II	94.3	61.7	78.0
DERBY SUPREME	86.7	68.3	77.5
PR 9118	83.3	71.7	77.5
LINDSAY	93.0	60.0	76.5
PICK 89LLG	86.3	66.7	76.5
CUTLESS	97.7	55.0	76.3
MULLIGAN (NK 89001)	83.3	68.3	75.8
EEG 358	84.7	66.7	75.7
TORONTO	96.3	53.3	74.8
BAR LP 852	91.3	56.7	74.0

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

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	ID2	NJ1	MEAN
ALLEGRO	88.0	58.3	73.2
MOM LP 3179	94.7	50.0	72.3
OFI-D4	93.0	51.7	72.3
PREMIER	96.3	48.3	72.3
LORETTA	99.0	45.0	72.0
856	91.7	51.7	71.7
OVATION	91.7	51.7	71.7
POLY-SH	86.7	56.7	71.7
BARRAGE	93.3	50.0	71.7
CALIENTE	91.0	51.7	71.3
WVPB 89-92	89.3	53.3	71.3
PEBBLE BEACH	88.3	53.3	70.8
PR 9108	89.7	51.7	70.7
CLP 144	92.5	46.7	69.6
TAYA	93.3	45.0	69.2
MOM LP 3182	81.3	55.0	68.2
ENTRAR	99.0	35.0	67.0
DUET	91.3	41.7	66.5
ZW 42-176	86.7	43.3	65.0
DANARO	96.0	31.7	63.8
DANILO	99.0	24.0	61.5
MOM LP 3111	99.0	23.3	61.2
REGAL	94.7	26.7	60.7
TROUBADOUR	97.7	21.7	59.7
HE 311	80.0	35.0	57.5
PENNFINE	81.7	33.3	57.5
BAR LP 086FL	91.3	20.0	55.7
CLP 39	94.7	15.0	54.8
SURPRISE	97.7	11.7	54.7
GOALIE	88.3	17.3	52.8
LINN	97.7	7.3	52.5
METEOR	90.0	9.3	49.7
CARTEL	76.3	13.3	44.8
LSD VALUE	13.9	27.1	15.3

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

TABLE 15. DROUGHT TOLERANCE (WILTING) RATINGS
OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

WILTING RATINGS 1-9; 9=NO WILTING 1/

NAME	ON1	MEAN
CALYPSO	5.7	5.7
MOM LP 3179	5.7	5.7
PEBBLE BEACH	5.7	5.7
REPELL	5.7	5.7
TORONTO	5.7	5.7
856	5.3	5.3
BARRAGE	5.3	5.3
CARTEL	5.3	5.3
CHARGER	5.3	5.3
EEG 358	5.3	5.3
EQUAL	5.3	5.3
FIESTA II	5.3	5.3
GOALIE	5.3	5.3
KOOS 90-1	5.3	5.3
MOM LP 3185	5.3	5.3
NAVAJO (PST-2DPR)	5.3	5.3
PATRIOT II	5.3	5.3
PENNFINE	5.3	5.3
PICK 9100	5.3	5.3
PICK EEC	5.3	5.3
PR 9109	5.3	5.3
PRELUDE II (2P2-90)	5.3	5.3
PS-105	5.3	5.3
RIVIERA	5.3	5.3
SATURN	5.3	5.3
UNKNOWN	5.3	5.3
YORKTOWN III (LDRF)	5.3	5.3
89-666	5.0	5.0
ADVENT	5.0	5.0
ALLEGRO	5.0	5.0
APM	5.0	5.0
ASSURE	5.0	5.0
BAR LP 852	5.0	5.0
BRIGHTSTAR (PST-GH-89)	5.0	5.0
C-21	5.0	5.0
CITATION II	5.0	5.0
CLP 144	5.0	5.0
COMPETITOR	5.0	5.0
DANARO	5.0	5.0
DANDY	5.0	5.0
DANILO	5.0	5.0
DIMENSION (2H7)	5.0	5.0
ENTRAR	5.0	5.0
EXPRESS	5.0	5.0
GATOR	5.0	5.0

DROUGHT TOLERANCE (WILTING) RATINGS
OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

WILTING RATINGS 1-9; 9=NO WILTING

NAME	ON1	MEAN
HE 311	5.0	5.0
LEGACY	5.0	5.0
LORETTA	5.0	5.0
MANHATTAN II (E)	5.0	5.0
MOM LP 3111	5.0	5.0
MOM LP 3184	5.0	5.0
MVF 89-88	5.0	5.0
NOMAD	5.0	5.0
OFI-F7	5.0	5.0
PALMER II (P89)	5.0	5.0
PENNANT	5.0	5.0
PICK 89-4	5.0	5.0
PICK 89LLG	5.0	5.0
PR 9108	5.0	5.0
PR 9118	5.0	5.0
PR 9121	5.0	5.0
PST-2FF	5.0	5.0
REPELL II (LDRD)	5.0	5.0
RODEO II	5.0	5.0
SEVILLE	5.0	5.0
SR 4200	5.0	5.0
STALLION	5.0	5.0
SURPRISE	5.0	5.0
SYN-P	5.0	5.0
TARGET	5.0	5.0
TAYA	5.0	5.0
TROUBADOUR	5.0	5.0
WVPB 89-92	5.0	5.0
WVPB-89-87A	5.0	5.0
ZPS-28D	5.0	5.0
ZPS-2EZ	5.0	5.0
ZW 42-176	5.0	5.0
4DD-DELAWARE DWARF	4.7	4.7
ACCOLADE	4.7	4.7
AFFINITY (GEN-90)	4.7	4.7
BAR LP 086FL	4.7	4.7
CALIENTE	4.7	4.7
CLP 39	4.7	4.7
COMMANDER	4.7	4.7
COWBOY II (WM-II)	4.7	4.7
CUTLESS	4.7	4.7
DERBY SUPREME	4.7	4.7
DUET	4.7	4.7
ELITE (WVPB-88PRC23)	4.7	4.7
ENVY	4.7	4.7

TABLE 15. DROUGHT TOLERANCE (WILTING) RATINGS
(CONT'D) OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

WILTING RATINGS 1-9; 9=NO WILTING

NAME	ON1	MEAN
ESSENCE (PR 8820)	4.7	4.7
GETTYSBURG	4.7	4.7
KOOS 90-2	4.7	4.7
LINDSAY	4.7	4.7
MOM IP 3147	4.7	4.7
MOM IP 3182	4.7	4.7
MULLIGAN (NK 89001)	4.7	4.7
MVF 89-90	4.7	4.7
N-33	4.7	4.7
OFI-D4	4.7	4.7
OVATION	4.7	4.7
PICK DKM	4.7	4.7
PINNACLE	4.7	4.7
PLEASURE	4.7	4.7
PR 9119	4.7	4.7
PREMIER	4.7	4.7
PST-23C	4.7	4.7
PST-290	4.7	4.7
PST-20G	4.7	4.7
PST-2ROR	4.7	4.7
QUICKSTART (PST-2FQR)	4.7	4.7
REGAL	4.7	4.7
SHERWOOD	4.7	4.7
STATESMAN (WVPB-88PRD12)	4.7	4.7
TOPEKA (WVPB-88PRD10)	4.7	4.7
BARRAGE ++	4.3	4.3
EAGLE (WVPB-89PRA3)	4.3	4.3
LINN	4.3	4.3
METEOR	4.3	4.3
PICK 1800	4.3	4.3
POLY-SH	4.3	4.3
PST-28M	4.3	4.3
PST-2B3	4.3	4.3
LSD VALUE	0.9	0.9

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

TABLE 16. DROUGHT TOLERANCE (DORMANCY) RATINGS
OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

DORMANCY RATINGS 1-9; 9=NO DORMANCY 1/

NAME	IL2	MEAN
PICK 89-4	8.0	8.0
PICK 1800	7.3	7.3
PST-23C	7.0	7.0
SYN-P	7.0	7.0
4DD-DELAWARE DWARF	6.7	6.7
ADVENT	6.7	6.7
AFFINITY (GEN-90)	6.7	6.7
DANDY	6.7	6.7
FIESTA II	6.7	6.7
PICK DKM	6.7	6.7
PST-28M	6.7	6.7
SHERWOOD	6.7	6.7
ZPS-28D	6.7	6.7
89-666	6.3	6.3
ESSENCE (PR 8820)	6.3	6.3
MOM LP 3147	6.3	6.3
PINNACLE	6.3	6.3
PLEASURE	6.3	6.3
APM	6.0	6.0
BRIGHTSTAR (PST-GH-89)	6.0	6.0
CALYPSO	6.0	6.0
COMMANDER	6.0	6.0
KOOS 90-1	6.0	6.0
KOOS 90-2	6.0	6.0
PICK EEC	6.0	6.0
PREMIER	6.0	6.0
PST-2FF	6.0	6.0
RIVIERA	6.0	6.0
ZW 42-176	6.0	6.0
ASSURE	5.7	5.7
EQUAL	5.7	5.7
MANHATTAN II (E)	5.7	5.7
N-33	5.7	5.7
PALMER II (P89)	5.7	5.7
PICK 9100	5.7	5.7
PRELUDE II (2P2-90)	5.7	5.7
PS-105	5.7	5.7
PST-2B3	5.7	5.7
PST-2OG	5.7	5.7
QUICKSTART (PST-2FQR)	5.7	5.7
REPELL	5.7	5.7
TAYA	5.7	5.7
WVPB-89-87A	5.7	5.7
PST-290	5.5	5.5
SEVILLE	5.5	5.5

DROUGHT TOLERANCE (DORMANCY) RATINGS
OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

DORMANCY RATINGS 1-9; 9=NO DORMANCY

NAME	IL2	MEAN
WVPB 89-92	5.5	5.5
CALIENTE	5.3	5.3
COWBOY II (WM-II)	5.3	5.3
DIMENSION (2H7)	5.3	5.3
DUET	5.3	5.3
GATOR	5.3	5.3
LINDSAY	5.3	5.3
MOM LP 3184	5.3	5.3
MULLIGAN (NK 89001)	5.3	5.3
OFI-F7	5.3	5.3
PENNANT	5.3	5.3
REGAL	5.3	5.3
SATURN	5.3	5.3
TARGET	5.3	5.3
856	5.0	5.0
ACCOLADE	5.0	5.0
CHARGER	5.0	5.0
CITATION II	5.0	5.0
DERBY SUPREME	5.0	5.0
ELITE (WVPB-88PRC23)	5.0	5.0
EXPRESS	5.0	5.0
LEGACY	5.0	5.0
MVF 89-90	5.0	5.0
OVATION	5.0	5.0
PEBBLE BEACH	5.0	5.0
PICK 89LLG	5.0	5.0
PR 9119	5.0	5.0
PST-2ROR	5.0	5.0
REPELL II (LDRD)	5.0	5.0
SR 4200	5.0	5.0
STALLION	5.0	5.0
STATESMAN (WVPB-88PRD12)	5.0	5.0
TOPEKA (WVPB-88PRD10)	5.0	5.0
UNKNOWN	5.0	5.0
YORKTOWN III (LDRF)	5.0	5.0
ZPS-2EZ	5.0	5.0
BAR LP 086FL	4.7	4.7
C-21	4.7	4.7
CUTLESS	4.7	4.7
EAGLE (WVPB-89PRA3)	4.7	4.7
MOM LP 3182	4.7	4.7
MOM LP 3185	4.7	4.7
NAVAJO (PST-2DPR)	4.7	4.7
PR 9108	4.7	4.7
PR 9109	4.7	4.7

TABLE 16. DROUGHT TOLERANCE (DORMANCY) RATINGS
(CONT'D) OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

DORMANCY RATINGS 1-9; 9=NO DORMANCY		
NAME	IL2	MEAN
PR 9121	4.7	4.7
RODEO II	4.5	4.5
ALLEGRO	4.3	4.3
BARRAGE	4.3	4.3
BARRAGE ++	4.3	4.3
COMPETITOR	4.3	4.3
DANILO	4.3	4.3
ENVY	4.3	4.3
GETTYSBURG	4.3	4.3
GOALIE	4.3	4.3
HE 311	4.3	4.3
MVF 89-88	4.3	4.3
NOMAD	4.3	4.3
PR 9118	4.3	4.3
LORETTA	4.0	4.0
METEOR	4.0	4.0
MOM LP 3179	4.0	4.0
TORONTO	4.0	4.0
EEG 358	3.7	3.7
MOM LP 3111	3.7	3.7
PATRIOT II	3.7	3.7
BAR LP 852	3.5	3.5
CARTEL	3.3	3.3
ENTRAR	3.3	3.3
OFI-D4	3.3	3.3
PENNFINE	3.3	3.3
CLP 144	3.0	3.0
CLP 39	3.0	3.0
DANARO	3.0	3.0
POLY-SH	3.0	3.0
SURPRISE	3.0	3.0
LINN	2.7	2.7
TROUBADOUR	2.7	2.7
LSD VALUE	1.6	1.6

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

TABLE 17. DROUGHT TOLERANCE (RECOVERY) RATINGS
OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 1/

NAME	IL2	MEAN
MOM LP 3147	7.3	7.3
PICK 1800	7.3	7.3
PICK 89-4	7.3	7.3
PICK DKM	7.3	7.3
PST-23C	7.3	7.3
PST-28M	7.3	7.3
89-666	7.0	7.0
DANDY	7.0	7.0
FIESTA II	6.7	6.7
PALMER II (P89)	6.7	6.7
PST-2FF	6.7	6.7
QUICKSTART (PST-2FQR)	6.7	6.7
SYN-P	6.7	6.7
ADVENT	6.3	6.3
CALYPSO	6.3	6.3
EXPRESS	6.3	6.3
MANHATTAN II (E)	6.3	6.3
MOM LP 3184	6.3	6.3
PR 9109	6.3	6.3
SHERWOOD	6.3	6.3
ZPS-28D	6.3	6.3
4DD-DELAWARE DWARF	6.0	6.0
AFFINITY (GEN-90)	6.0	6.0
ASSURE	6.0	6.0
CALIENTE	6.0	6.0
CITATION II	6.0	6.0
KOOS 90-1	6.0	6.0
PINNACLE	6.0	6.0
PLEASURE	6.0	6.0
PREMIER	6.0	6.0
PST-2OG	6.0	6.0
REGAL	6.0	6.0
REPELL	6.0	6.0
TARGET	6.0	6.0
APM	5.7	5.7
BARRAGE ++	5.7	5.7
EQUAL	5.7	5.7
GATOR	5.7	5.7
GETTYSBURG	5.7	5.7
LEGACY	5.7	5.7
MOM LP 3185	5.7	5.7
PENNANT	5.7	5.7
PICK 9100	5.7	5.7
PICK EEC	5.7	5.7
PRELUDE II (2P2-90)	5.7	5.7

DROUGHT TOLERANCE (RECOVERY) RATINGS
OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY

NAME	IL2	MEAN
PST-2ROR	5.7	5.7
SEVILLE	5.7	5.7
BAR LP 852	5.5	5.5
BRIGHTSTAR (PST-GH-89)	5.3	5.3
COMPETITOR	5.3	5.3
COWBOY II (WM-II)	5.3	5.3
DUET	5.3	5.3
EAGLE (WVPB-89PRA3)	5.3	5.3
ENVY	5.3	5.3
HE 311	5.3	5.3
KOOS 90-2	5.3	5.3
MULLIGAN (NK 89001)	5.3	5.3
OFI-F7	5.3	5.3
PICK 89LLG	5.3	5.3
PST-290	5.3	5.3
PST-2B3	5.3	5.3
RIVIERA	5.3	5.3
UNKNOWN	5.3	5.3
WVPB-89-87A	5.3	5.3
YORKTOWN III (LDRF)	5.3	5.3
856	5.0	5.0
BARRAGE	5.0	5.0
COMMANDER	5.0	5.0
CUTLESS	5.0	5.0
DANILO	5.0	5.0
DERBY SUPREME	5.0	5.0
DIMENSION (2H7)	5.0	5.0
ESSENCE (PR 8820)	5.0	5.0
GOALIE	5.0	5.0
LINDSAY	5.0	5.0
LORETTA	5.0	5.0
OVATION	5.0	5.0
PR 9108	5.0	5.0
PR 9118	5.0	5.0
PR 9121	5.0	5.0
REPELL II (LDRD)	5.0	5.0
SATURN	5.0	5.0
STATESMAN (WVPB-88PRD12)	5.0	5.0
TAYA	5.0	5.0
TOPEKA (WVPB-88PRD10)	5.0	5.0
ZPS-2EZ	5.0	5.0
ZW 42-176	5.0	5.0
C-21	4.7	4.7
MOM LP 3182	4.7	4.7
MVF 89-88	4.7	4.7

TABLE 17. DROUGHT TOLERANCE (RECOVERY) RATINGS
(CONT'D) OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY

NAME	IL2	MEAN
MVF 89-90	4.7	4.7
N-33	4.7	4.7
NAVAJO (PST-2DPR)	4.7	4.7
NOMAD	4.7	4.7
PR 9119	4.7	4.7
PS-105	4.7	4.7
SR 4200	4.7	4.7
WVPB 89-92	4.7	4.7
ELITE (WVPB-88PRC23)	4.5	4.5
CHARGER	4.3	4.3
EEG 358	4.3	4.3
ENTRAR	4.3	4.3
MOM LP 3179	4.3	4.3
PEBBLE BEACH	4.3	4.3
PENNFINE	4.3	4.3
STALLION	4.3	4.3
ALLEGRO	4.0	4.0
LINN	4.0	4.0
METEOR	4.0	4.0
POLY-SH	4.0	4.0
RODEO II	4.0	4.0
TORONTO	4.0	4.0
ACCOLADE	3.7	3.7
BAR LP 086FL	3.7	3.7
CLP 144	3.7	3.7
OFI-D4	3.7	3.7
CARTEL	3.3	3.3
CLP 39	3.3	3.3
MOM LP 3111	3.3	3.3
PATRIOT II	3.3	3.3
TROUBADOUR	3.3	3.3
DANARO	3.0	3.0
SURPRISE	2.7	2.7
LSD VALUE	1.7	1.7

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 18. FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE 1/			
NAME	ID3	OR9	MEAN
TAYA	8.7	7.3	8.0
SURPRISE	7.3	7.7	7.5
AFFINITY (GEN-90)	7.7	6.7	7.2
WVPB-89-87A	7.7	6.7	7.2
DANILO	7.3	6.7	7.0
LEGACY	8.3	5.7	7.0
PREMIER	7.3	6.7	7.0
REPELL	6.3	7.7	7.0
856	8.0	5.7	6.8
GATOR	8.3	5.0	6.7
BARRAGE	8.0	5.3	6.7
PICK 9100	7.0	6.3	6.7
PICK DKM	7.3	6.0	6.7
TROUBADOUR	7.0	6.3	6.7
89-666	6.7	6.3	6.5
EEG 358	7.3	5.7	6.5
ENTRAR	6.3	6.7	6.5
LINDSAY	7.3	5.7	6.5
METEOR	6.7	6.3	6.5
PST-2ROR	5.7	7.3	6.5
SATURN	7.7	5.3	6.5
SYN-P	6.3	6.7	6.5
GETTYSBURG	6.0	6.7	6.3
KOOS 90-2	7.7	5.0	6.3
PICK 89-4	7.0	5.7	6.3
PICK 89LLG	7.0	5.7	6.3
PST-28M	7.0	5.7	6.3
SHERWOOD	6.7	6.0	6.3
STALLION	7.7	5.0	6.3
MVF 89-90	7.3	5.3	6.3
NAVAJO (PST-2DPR)	6.3	6.3	6.3
PST-23C	5.3	7.3	6.3
STATESMAN (WVPB-88PRD12)	7.3	5.3	6.3
YORKTOWN III (LDRF)	5.3	7.3	6.3
FIESTA II	6.7	5.7	6.2
ACCOLADE	7.0	5.3	6.2
DANARO	7.0	5.3	6.2
ELITE (WVPB-88PRC23)	7.0	5.3	6.2
MOM LP 3184	7.0	5.3	6.2
N-33	6.3	6.0	6.2
PALMER II (P89)	5.3	7.0	6.2
PR 9119	8.0	4.3	6.2
PRELUDE II (2P2-90)	5.3	7.0	6.2
RIVIERA	7.3	5.0	6.2
CLP 144	5.0	7.0	6.0

FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE

NAME	ID3	OR9	MEAN
KOOS 90-1	5.3	6.7	6.0
PEBBLE BEACH	7.3	4.7	6.0
PENNANT	5.7	6.3	6.0
REGAL	6.3	5.7	6.0
WVPB 89-92	6.3	5.7	6.0
CLP 39	6.7	5.0	5.8
GOALIE	7.0	4.7	5.8
MULLIGAN (NK 89001)	6.7	5.0	5.8
NOMAD	6.0	5.7	5.8
PST-2B3	6.7	5.0	5.8
ZPS-28D	7.0	4.7	5.8
PICK 1800	6.3	5.3	5.8
PLEASURE	6.3	5.3	5.8
PR 9121	6.3	5.3	5.8
QUICKSTART (PST-2FQR)	5.3	6.3	5.8
TOPEKA (WPB-88PRD10)	6.3	5.3	5.8
TORONTO	5.3	6.3	5.8
CALYPSO	6.7	4.7	5.7
DANDY	5.7	5.7	5.7
ADVENT	7.0	4.3	5.7
ASSURE	7.3	4.0	5.7
BAR LP 852	7.0	4.3	5.7
BARRAGE ++	5.3	6.0	5.7
DIMENSION (2H7)	6.0	5.3	5.7
ENVY	6.0	5.3	5.7
MOM LP 3147	6.3	5.0	5.7
PS-105	6.3	5.0	5.7
REPELL II (LDRD)	5.0	6.3	5.7
UNKNOWN	6.3	5.0	5.7
4DD-DELAWARE DWARF	6.0	5.0	5.5
CHARGER	6.0	5.0	5.5
CITATION II	6.7	4.3	5.5
COWBOY II (WM-II)	5.3	5.7	5.5
CUTLESS	5.7	5.3	5.5
DERBY SUPREME	6.0	5.0	5.5
HE 311	5.3	5.7	5.5
MOM LP 3111	5.3	5.7	5.5
MOM LP 3179	6.0	5.0	5.5
MOM LP 3185	6.0	5.0	5.5
OVATION	6.0	5.0	5.5
PST-290	5.7	5.3	5.5
APM	5.7	5.0	5.3
MOM LP 3182	5.7	5.0	5.3
PST-2FF	5.0	5.7	5.3
LORETTA	7.3	3.3	5.3

TABLE 18. FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE			
NAME	ID3	OR9	MEAN
PATRIOT II	6.3	4.3	5.3
EAGLE (WVPB-89PRA3)	5.7	4.7	5.2
PR 9109	5.7	4.7	5.2
ALLEGRO	5.3	5.0	5.2
MANHATTAN II (E)	5.3	5.0	5.2
PENNFINE	4.0	6.3	5.2
PINNACLE	6.0	4.3	5.2
RODEO II	6.0	4.3	5.2
TARGET	5.0	5.3	5.2
ZPS-2EZ	5.0	5.3	5.2
C-21	4.7	5.3	5.0
EQUAL	5.0	5.0	5.0
EXPRESS	4.7	5.3	5.0
PR 9108	4.7	5.3	5.0
PR 9118	7.0	3.0	5.0
SEVILLE	4.7	5.3	5.0
SR 4200	5.3	4.7	5.0
ZW 42-176	5.3	4.7	5.0
ESSENCE (PR 8820)	6.7	3.0	4.8
MVF 89-88	5.7	4.0	4.8
OFI-D4	6.7	3.0	4.8
PICK EEC	4.0	5.7	4.8
CARTEL	4.3	5.3	4.8
OFI-F7	6.0	3.7	4.8
POLY-SH	6.0	3.7	4.8
BRIGHTSTAR (PST-GH-89)	4.7	4.7	4.7
COMMANDER	5.0	4.3	4.7
BAR LP 086FL	4.3	4.7	4.5
CALIENTE	5.3	3.7	4.5
COMPETITOR	5.3	3.7	4.5
PST-2OG	3.7	5.0	4.3
DUET	5.3	2.3	3.8
LINN	3.3	4.0	3.7
LSD VALUE	2.3	2.4	1.7

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 19. LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

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

NAME	OR9	MEAN
MOM IP 3182	8.7	8.7
MOM IP 3179	5.3	5.3
LINN	4.7	4.7
ALLEGRO	4.0	4.0
LORETTA	4.0	4.0
GOALIE	3.3	3.3
MOM IP 3111	3.3	3.3
OVATION	3.3	3.3
PENNFINE	3.0	3.0
TROUBADOUR	2.7	2.7
CALIENTE	2.3	2.3
DERBY SUPREME	2.3	2.3
MULLIGAN (NK 89001)	2.3	2.3
ACCOLADE	2.0	2.0
CALYPSO	2.0	2.0
CLP 144	2.0	2.0
CLP 39	2.0	2.0
DANARO	2.0	2.0
DANILO	2.0	2.0
ENTRAR	2.0	2.0
GATOR	2.0	2.0
LINDSAY	2.0	2.0
METEOR	2.0	2.0
REGAL	2.0	2.0
TORONTO	2.0	2.0
856	1.7	1.7
DUET	1.7	1.7
EEG 358	1.7	1.7
PR 9119	1.7	1.7
PREMIER	1.7	1.7
PST-2ROR	1.7	1.7
REPELL	1.7	1.7
UNKNOWN	1.7	1.7
ZW 42-176	1.7	1.7
COMPETITOR	1.5	1.5
ASSURE	1.3	1.3
BAR IP 086FL	1.3	1.3
C-21	1.3	1.3
COMMANDER	1.3	1.3
CUTLESS	1.3	1.3
DANDY	1.3	1.3
EAGLE (WVPB-89PRA3)	1.3	1.3
ELITE (WVPB-88PRC23)	1.3	1.3
ENVY	1.3	1.3
ESSENCE (PR 8820)	1.3	1.3

LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE

NAME	OR9	MEAN
FIESTA II	1.3	1.3
HE 311	1.3	1.3
MANHATTAN II (E)	1.3	1.3
MVF 89-88	1.3	1.3
MVF 89-90	1.3	1.3
PATRIOT II	1.3	1.3
PEBBLE BEACH	1.3	1.3
PICK 89LLG	1.3	1.3
PICK EEC	1.3	1.3
PR 9108	1.3	1.3
PR 9121	1.3	1.3
PS-105	1.3	1.3
PST-28M	1.3	1.3
RIVIERA	1.3	1.3
SYN-P	1.3	1.3
TAYA	1.3	1.3
ZPS-2EZ	1.3	1.3
4DD-DELAWARE DWARF	1.0	1.0
89-666	1.0	1.0
ADVENT	1.0	1.0
AFFINITY (GEN-90)	1.0	1.0
APM	1.0	1.0
BAR LP 852	1.0	1.0
BARRAGE	1.0	1.0
BARRAGE ++	1.0	1.0
CARTEL	1.0	1.0
CHARGER	1.0	1.0
CITATION II	1.0	1.0
COWBOY II (WM-II)	1.0	1.0
DIMENSION (2H7)	1.0	1.0
EQUAL	1.0	1.0
EXPRESS	1.0	1.0
GETTYSBURG	1.0	1.0
KOOS 90-1	1.0	1.0
KOOS 90-2	1.0	1.0
LEGACY	1.0	1.0
MOM LP 3147	1.0	1.0
MOM LP 3184	1.0	1.0
MOM LP 3185	1.0	1.0
N-33	1.0	1.0
NAVAJO (PST-2DPR)	1.0	1.0
NOMAD	1.0	1.0
OFI-D4	1.0	1.0
OFI-F7	1.0	1.0
PALMER II (P89)	1.0	1.0

TABLE 19. LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE		
NAME	OR9	MEAN
PENNANT	1.0	1.0
PICK 1800	1.0	1.0
PICK 89-4	1.0	1.0
PICK 9100	1.0	1.0
PICK DKM	1.0	1.0
PINNACLE	1.0	1.0
PLEASURE	1.0	1.0
POLY-SH	1.0	1.0
PR 9109	1.0	1.0
PR 9118	1.0	1.0
PRELUDE II (2P2-90)	1.0	1.0
PST-23C	1.0	1.0
PST-290	1.0	1.0
PST-2B3	1.0	1.0
PST-2FF	1.0	1.0
PST-2OG	1.0	1.0
QUICKSTART (PST-2FQR)	1.0	1.0
REPELL II (LDRD)	1.0	1.0
RODEO II	1.0	1.0
SATURN	1.0	1.0
SEVILLE	1.0	1.0
SHERWOOD	1.0	1.0
SR 4200	1.0	1.0
STALLION	1.0	1.0
STATESMAN (WVPB-88PRD12)	1.0	1.0
SURPRISE	1.0	1.0
TARGET	1.0	1.0
TOPEKA (WVPB-88PRD10)	1.0	1.0
WVPB 89-92	1.0	1.0
WVPB-89-87A	1.0	1.0
YORKTOWN III (LDRF)	1.0	1.0
BRIGHTSTAR (PST-GH-89)	0.7	0.7
ZPS-28D	0.7	0.7
LSD VALUE	0.9	0.9

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

TABLE 20. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

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

NAME	RI1	MEAN
LEGACY	8.0	8.0
PLEASURE	8.0	8.0
BAR LP 852	7.7	7.7
MANHATTAN II (E)	7.7	7.7
MOM LP 3179	7.7	7.7
MOM LP 3184	7.7	7.7
PENNANT	7.7	7.7
PINNACLE	7.7	7.7
REGAL	7.7	7.7
BRIGHTSTAR (PST-GH-89)	7.3	7.3
CHARGER	7.3	7.3
DANILO	7.3	7.3
ENVY	7.3	7.3
EXPRESS	7.3	7.3
PICK 89-4	7.3	7.3
SYN-P	7.3	7.3
ZPS-2EZ	7.3	7.3
ZW 42-176	7.3	7.3
4DD-DELAWARE DWARF	7.0	7.0
ASSURE	7.0	7.0
BAR LP 086FL	7.0	7.0
CALIENTE	7.0	7.0
DANARO	7.0	7.0
DANDY	7.0	7.0
KOOS 90-1	7.0	7.0
KOOS 90-2	7.0	7.0
LINN	7.0	7.0
METEOR	7.0	7.0
MOM LP 3111	7.0	7.0
PATRIOT II	7.0	7.0
PEBBLE BEACH	7.0	7.0
PICK 1800	7.0	7.0
PICK EEC	7.0	7.0
PST-2B3	7.0	7.0
RIVIERA	7.0	7.0
SEVILLE	7.0	7.0
89-666	6.7	6.7
CITATION II	6.7	6.7
COMMANDER	6.7	6.7
DUET	6.7	6.7
EAGLE (WVPB-89PRA3)	6.7	6.7
EEG 358	6.7	6.7
GETTYSBURG	6.7	6.7
OFI-F7	6.7	6.7
PR 9108	6.7	6.7

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE

NAME	RI1	MEAN
PST-23C	6.7	6.7
PST-2ROR	6.7	6.7
SHERWOOD	6.7	6.7
TAYA	6.7	6.7
WVPB-89-87A	6.7	6.7
ZPS-28D	6.7	6.7
856	6.3	6.3
CARTEL	6.3	6.3
COMPETITOR	6.3	6.3
DIMENSION (2H7)	6.3	6.3
OFI-D4	6.3	6.3
PICK DKM	6.3	6.3
PR 9118	6.3	6.3
PR 9119	6.3	6.3
PRELUDE II (2P2-90)	6.3	6.3
PREMIER	6.3	6.3
PST-20G	6.3	6.3
SR 4200	6.3	6.3
STALLION	6.3	6.3
ALLEGRO	6.0	6.0
COWBOY II (WM-II)	6.0	6.0
CUTLESS	6.0	6.0
ENTRAR	6.0	6.0
GATOR	6.0	6.0
LORETTA	6.0	6.0
MOM LP 3147	6.0	6.0
MOM LP 3185	6.0	6.0
MULLIGAN (NK 89001)	6.0	6.0
OVATION	6.0	6.0
PST-28M	6.0	6.0
REPELL II (LDRD)	6.0	6.0
RODEO II	6.0	6.0
WVPB 89-92	6.0	6.0
YORKTOWN III (LDRF)	6.0	6.0
ADVENT	5.7	5.7
DERBY SUPREME	5.7	5.7
EQUAL	5.7	5.7
MOM LP 3182	5.7	5.7
NAVAJO (PST-2DPR)	5.7	5.7
PALMER II (P89)	5.7	5.7
PICK 9100	5.7	5.7
PR 9109	5.7	5.7
QUICKSTART (PST-2FQR)	5.7	5.7
SURPRISE	5.7	5.7
CALYPSO	5.3	5.3

TABLE 20. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE

NAME	RI1	MEAN
CLP 39	5.3	5.3
ELITE (WVPB-88PRC23)	5.3	5.3
LINDSAY	5.3	5.3
MVF 89-88	5.3	5.3
MVF 89-90	5.3	5.3
N-33	5.3	5.3
NOMAD	5.3	5.3
PR 9121	5.3	5.3
PST-290	5.3	5.3
PST-2FF	5.3	5.3
SATURN	5.3	5.3
APM	5.0	5.0
PENNFINE	5.0	5.0
TORONTO	5.0	5.0
AFFINITY (GEN-90)	4.7	4.7
BARRAGE	4.7	4.7
POLY-SH	4.7	4.7
PS-105	4.7	4.7
STATESMAN (WVPB-88PRD12)	4.7	4.7
TARGET	4.7	4.7
TROUBADOUR	4.7	4.7
C-21	4.3	4.3
GOALIE	4.3	4.3
PICK 89LLG	4.3	4.3
TOPEKA (WVPB-88PRD10)	4.3	4.3
UNKNOWN	4.3	4.3
ACCOLADE	4.0	4.0
ESSENCE (PR 8820)	4.0	4.0
HE 311	4.0	4.0
REPELL	4.0	4.0
BARRAGE ++	3.7	3.7
FIESTA II	3.7	3.7
CLP 144	3.3	3.3
LSD VALUE	2.4	2.4

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

TABLE 21. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 1/				
NAME	OR9	RI1	WA3	MEAN
BAR LP 852	5.7	7.3	7.7	6.9
OVATION	5.7	7.0	7.7	6.8
CHARGER	5.7	7.0	7.3	6.7
METEOR	5.0	8.0	7.0	6.7
UNKNOWN	6.3	7.0	.	6.7
N-33	5.7	7.0	7.0	6.6
OFI-F7	4.7	7.0	8.0	6.6
ZPS-28D	6.3	7.7	5.7	6.6
NAVAJO (PST-2DPR)	5.7	7.3	6.3	6.4
OFI-D4	4.7	7.3	7.3	6.4
PICK 89-4	6.0	6.3	7.0	6.4
PR 9118	5.3	6.3	7.7	6.4
PST-2B3	5.3	6.7	7.3	6.4
SURPRISE	6.3	6.7	6.3	6.4
89-666	4.3	7.0	7.7	6.3
ADVENT	5.0	6.0	8.0	6.3
MOM LP 3147	5.3	6.0	7.7	6.3
MOM LP 3184	5.3	7.3	6.3	6.3
PINNACLE	5.3	7.7	6.0	6.3
PR 9109	5.0	6.7	7.3	6.3
POLY-SH	5.7	6.0	7.0	6.2
TARGET	4.7	6.0	8.0	6.2
LINN	3.3	8.0	7.0	6.1
MULLIGAN (NK 89001)	5.0	5.7	7.7	6.1
PST-28M	4.7	6.7	7.0	6.1
PST-2ROR	6.7	6.7	5.0	6.1
SATURN	5.7	6.0	6.7	6.1
EAGLE (WVPB-89PRA3)	4.7	6.3	7.0	6.0
ELITE (WVPB-88PRC23)	5.0	6.0	7.0	6.0
PST-2FF	5.7	6.0	6.3	6.0
4DD-DELAWARE DWARF	5.7	6.0	6.0	5.9
BAR LP 086FL	4.7	6.0	7.0	5.9
DANILO	4.7	6.7	6.3	5.9
RIVIERA	4.7	6.3	6.7	5.9
ALLEGRO	5.0	6.3	6.3	5.9
C-21	5.0	6.3	6.3	5.9
EQUAL	3.3	6.3	8.0	5.9
MOM LP 3185	5.0	6.3	6.3	5.9
PRELUDE II (2P2-90)	5.0	6.3	6.3	5.9
DANARO	4.7	7.0	5.7	5.8
DANDY	5.7	7.7	4.0	5.8
DIMENSION (2H7)	5.7	6.7	5.0	5.8
HE 311	5.0	6.7	5.7	5.8
KOOS 90-2	6.0	7.7	3.7	5.8
EXPRESS	5.0	7.0	5.3	5.8

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	OR9	RI1	WA3	MEAN
GOALIE	4.3	5.7	7.3	5.8
WVPB 89-92	5.3	6.0	6.0	5.8
856	4.3	6.7	6.0	5.7
ASSURE	5.3	6.7	5.0	5.7
BARRAGE	4.3	5.7	7.0	5.7
CARTEL	4.3	7.7	5.0	5.7
PR 9119	4.0	7.0	6.0	5.7
PR 9121	6.0	7.0	4.0	5.7
QUICKSTART (PST-2FQR)	6.3	6.7	4.0	5.7
REGAL	4.3	7.0	5.7	5.7
TAYA	4.7	7.0	5.3	5.7
YORKTOWN III (LDRF)	5.7	6.0	5.3	5.7
AFFINITY (GEN-90)	5.7	5.7	5.3	5.6
CALIENTE	5.0	7.0	4.7	5.6
MANHATTAN II (E)	5.0	7.0	4.7	5.6
MOM LP 3182	4.0	7.0	5.7	5.6
CUTLESS	3.7	6.0	7.0	5.6
DERBY SUPREME	5.3	6.3	5.0	5.6
CITATION II	5.7	6.7	4.0	5.4
DUET	5.0	6.7	4.7	5.4
EEG 358	4.0	5.7	6.7	5.4
PICK 9100	5.7	5.7	5.0	5.4
SHERWOOD	5.0	6.7	4.7	5.4
STATESMAN (WVPB-88PRD12)	5.0	6.7	4.7	5.4
CLP 39	5.0	6.0	5.3	5.4
MOM LP 3111	5.0	6.3	5.0	5.4
NOMAD	5.0	6.0	5.3	5.4
PS-105	4.7	6.3	5.3	5.4
ACCOLADE	5.3	5.7	5.0	5.3
ENTRAR	4.7	6.7	4.7	5.3
MVF 89-90	3.7	6.0	6.3	5.3
PALMER II (P89)	4.3	6.7	5.0	5.3
PEBBLE BEACH	4.7	6.7	4.7	5.3
PENNFINE	3.7	7.0	.	5.3
SEVILLE	6.0	5.7	4.3	5.3
APM	5.7	6.7	3.3	5.2
CALYPSO	4.7	7.0	4.0	5.2
COWBOY II (WM-II)	5.0	7.3	3.3	5.2
ENVY	6.3	6.3	3.0	5.2
GATOR	5.3	6.3	4.0	5.2
KOOS 90-1	4.0	7.0	4.7	5.2
MOM LP 3179	3.7	7.7	4.3	5.2
PR 9108	4.7	6.0	5.0	5.2
REPELL	4.7	6.0	5.0	5.2
SR 4200	4.3	6.7	4.7	5.2

TABLE 21. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE				
NAME	OR9	RI1	WA3	MEAN
TORONTO	3.7	6.7	5.3	5.2
LORETTA	5.0	5.3	5.3	5.2
PICK 1800	4.7	6.0	4.7	5.1
GETTYSBURG	4.3	7.0	4.0	5.1
MVF 89-88	5.3	5.7	4.3	5.1
PREMIER	5.3	6.0	4.0	5.1
PST-23C	5.3	6.0	4.0	5.1
TOPEKA (WVPB-88PRD10)	4.0	6.0	5.3	5.1
COMMANDER	4.7	7.0	3.3	5.0
COMPETITOR	5.0	7.0	3.0	5.0
FIESTA II	3.3	6.0	5.7	5.0
ZPS-2EZ	5.3	6.7	3.0	5.0
LEGACY	4.7	6.7	3.3	4.9
PATRIOT II	5.7	6.0	3.0	4.9
PST-290	5.7	6.0	3.0	4.9
RODEO II	4.0	6.0	4.7	4.9
PENNANT	5.0	7.0	2.7	4.9
ZW 42-176	5.0	7.0	2.7	4.9
BARRAGE ++	5.7	5.3	3.3	4.8
CLP 144	6.0	6.0	2.3	4.8
LINDSAY	4.7	4.7	5.0	4.8
PICK EEC	4.7	6.7	3.0	4.8
PLEASURE	4.0	6.0	4.3	4.8
REPELL II (LDRD)	5.0	5.7	3.7	4.8
STALLION	4.0	5.3	5.0	4.8
WVPB-89-87A	4.3	6.3	3.7	4.8
BRIGHTSTAR (PST-GH-89)	5.0	7.0	1.7	4.6
TROUBADOUR	5.3	5.7	2.3	4.4
SYN-P	5.0	6.3	2.0	4.4
ESSENCE (PR 8820)	5.3	5.7	2.0	4.3
PST-20G	4.3	6.3	2.3	4.3
PICK DKM	4.0	5.3	2.3	3.9
PICK 89LLG	4.3	4.3	2.7	3.8
LSD VALUE	1.7	1.6	4.2	1.6

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

TABLE 22. BROWN PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 1/			
NAME	NJ1	NJ2	MEAN
SYN-P	8.0	7.0	7.5
ZPS-28D	7.7	7.3	7.5
BRIGHTSTAR (PST-GH-89)	8.0	6.7	7.3
QUICKSTART (PST-2FQR)	7.3	7.0	7.2
APM	6.7	7.3	7.0
AFFINITY (GEN-90)	6.0	7.7	6.8
PS-105	7.7	6.0	6.8
PST-28M	6.3	7.3	6.8
REPELL II (LDRD)	7.3	6.3	6.8
PINNACLE	6.7	6.7	6.7
PRELUDE II (2P2-90)	5.7	7.7	6.7
SR 4200	7.3	6.0	6.7
PST-2FF	6.3	6.7	6.5
TARGET	6.7	6.3	6.5
ZPS-2EZ	6.7	6.3	6.5
ASSURE	6.0	6.7	6.3
DANDY	6.0	6.7	6.3
PICK EEC	6.0	6.7	6.3
EXPRESS	6.7	5.7	6.2
PICK 1800	6.7	5.7	6.2
SEVILLE	5.7	6.7	6.2
89-666	6.3	6.0	6.2
PALMER II (P89)	6.0	6.3	6.2
PST-23C	6.3	6.0	6.2
KOOS 90-1	6.3	5.7	6.0
OPI-F7	6.7	5.3	6.0
PICK 9100	5.3	6.7	6.0
PICK DKM	6.3	5.7	6.0
PST-290	6.3	5.7	6.0
MOM LP 3147	6.7	5.0	5.8
MULLIGAN (NK 89001)	6.0	5.7	5.8
PLEASURE	6.7	5.0	5.8
ENVY	6.7	4.7	5.7
ADVENT	5.0	6.3	5.7
PENNANT	6.3	5.0	5.7
YORKTOWN III (LDRF)	5.0	6.3	5.7
EQUAL	5.7	5.3	5.5
GETTYSBURG	6.3	4.7	5.5
LEGACY	5.7	5.3	5.5
PICK 89-4	5.7	5.3	5.5
PREMIER	5.7	5.0	5.3
MANHATTAN II (E)	6.3	4.3	5.3
EAGLE (WVPB-89PRA3)	5.3	5.0	5.2
RIVIERA	6.0	4.3	5.2
SHERWOOD	5.0	5.3	5.2

BROWN PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE

NAME	NJ1	NJ2	MEAN
CHARGER	5.3	4.7	5.0
PST-2OG	5.3	4.7	5.0
PST-2ROR	4.7	5.3	5.0
REGAL	4.7	5.3	5.0
SATURN	6.3	3.7	5.0
PST-2B3	4.7	5.0	4.8
STALLION	5.0	4.7	4.8
WVPB-89-87A	4.7	5.0	4.8
4DD-DELAWARE DWARF	4.3	5.3	4.8
BARRAGE ++	5.3	4.3	4.8
DIMENSION (2H7)	5.3	4.3	4.8
KOOS 90-2	4.7	4.7	4.7
PR 9119	6.0	3.3	4.7
CALYPSO	5.0	4.3	4.7
ACCOLADE	5.7	3.3	4.5
REPELL	4.0	5.0	4.5
UNKNOWN	4.7	4.3	4.5
PENNFINE	4.7	4.0	4.3
CALIENTE	4.3	4.3	4.3
N-33	5.0	3.7	4.3
TOPEKA (WVPB-88PRD10)	6.3	2.3	4.3
HE 311	2.3	6.0	4.2
NAVAJO (PST-2DPR)	3.3	5.0	4.2
PR 9118	4.7	3.7	4.2
PR 9121	5.0	3.3	4.2
MOM LP 3184	4.0	4.3	4.2
PR 9109	4.0	4.3	4.2
RODEO II	5.3	3.0	4.2
GATOR	4.7	3.3	4.0
STATESMAN (WVPB-88PRD12)	5.0	3.0	4.0
C-21	4.7	3.0	3.8
CUTLESS	5.7	2.0	3.8
LORETTA	4.7	3.0	3.8
MOM LP 3179	3.0	4.7	3.8
CITATION II	4.0	3.7	3.8
COMMANDER	5.0	2.7	3.8
FIESTA II	4.0	3.7	3.8
MVF 89-90	4.7	2.7	3.7
DERBY SUPREME	4.3	3.0	3.7
DUET	4.3	3.0	3.7
856	4.0	3.0	3.5
COWBOY II (WM-II)	3.7	3.3	3.5
MVF 89-88	4.3	2.7	3.5
NOMAD	3.3	3.7	3.5
PICK 89LIG	4.0	3.0	3.5

TABLE 22. BROWN PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE			
NAME	NJ1	NJ2	MEAN
MOM LP 3182	3.3	3.3	3.3
BAR LP 852	4.3	2.3	3.3
COMPETITOR	3.7	3.0	3.3
ESSENCE (PR 8820)	4.0	2.3	3.2
LINDSAY	3.3	3.0	3.2
OFI-D4	4.0	2.3	3.2
PATRIOT II	3.3	3.0	3.2
PR 9108	4.3	2.0	3.2
MOM LP 3185	3.0	3.0	3.0
TORONTO	3.0	3.0	3.0
WVPB 89-92	3.3	2.7	3.0
ELITE (WVPB-88PRC23)	3.3	2.3	2.8
PEBBLE BEACH	3.3	2.3	2.8
BAR LP 086FL	2.7	3.0	2.8
BARRAGE	3.3	2.0	2.7
POLY-SH	3.3	2.0	2.7
ZW 42-176	2.7	2.7	2.7
DANARO	3.0	2.0	2.5
DANILO	2.0	3.0	2.5
EEG 358	2.7	2.3	2.5
CLP 144	3.0	1.7	2.3
GOALIE	2.3	2.3	2.3
MOM LP 3111	2.3	2.0	2.2
ALLEGRO	3.0	1.3	2.2
ENTRAR	2.7	1.7	2.2
OVATION	2.7	1.7	2.2
TAYA	2.7	1.3	2.0
TROUBADOUR	3.0	1.0	2.0
LINN	2.3	1.3	1.8
CLP 39	1.7	1.7	1.7
METEOR	1.3	1.7	1.5
CARTEL	1.7	1.0	1.3
SURPRISE	1.3	1.3	1.3
LSD VALUE	1.8	1.4	1.1

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

TABLE 23. PYTHIUM BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 1/			
NAME	II2	NJ3	MEAN
ASSURE	7.3	7.3	7.3
PICK 89-4	8.0	6.3	7.2
SEVILLE	7.5	6.7	7.1
4DD-DELAWARE DWARF	7.7	6.0	6.8
AFFINITY (GEN-90)	7.0	6.7	6.8
KOOS 90-1	7.0	6.7	6.8
PST-23C	7.0	6.7	6.8
PST-28M	7.0	6.7	6.8
89-666	6.7	6.7	6.7
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
EAGLE (WVPB-89PRA3)	6.3	6.7	6.5
MOM LP 3147	6.3	6.7	6.5
MOM LP 3184	6.3	6.7	6.5
RIVIERA	7.0	6.0	6.5
ADVENT	5.7	7.0	6.3
PICK DKM	6.7	6.0	6.3
PS-105	5.7	7.0	6.3
APM	6.3	6.3	6.3
KOOS 90-2	5.7	6.7	6.2
SYN-P	6.7	5.7	6.2
BAR LP 852	6.0	6.3	6.2
EQUAL	5.3	7.0	6.2
N-33	6.0	6.3	6.2
PST-290	6.0	6.3	6.2
PST-2B3	6.3	6.0	6.2
SR 4200	7.0	5.3	6.2
WVPB-89-87A	6.3	6.0	6.2
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
PEBBLE BEACH	5.7	6.3	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-88PRD12)	5.3	6.7	6.0
COMMANDER	5.7	6.0	5.8
DERBY SUPREME	5.0	6.7	5.8
PICK 9100	6.7	5.0	5.8
WVPB 89-92	5.0	6.7	5.8

PYTHIUM BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE

NAME	II2	NJ3	MEAN
ZPS-28D	7.7	4.0	5.8
OFI-F7	6.3	5.3	5.8
PR 9121	5.3	6.3	5.8
PST-2FF	6.3	5.3	5.8
STALLION	5.3	6.3	5.8
ACCOLADE	5.3	6.0	5.7
ESSENCE (PR 8820)	5.3	6.0	5.7
MANHATTAN II (E)	6.0	5.3	5.7
MVF 89-88	5.0	6.3	5.7
MVF 89-90	5.0	6.3	5.7
NOMAD	5.0	6.3	5.7
PLEASURE	6.0	5.3	5.7
PR 9109	5.3	6.0	5.7
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
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 (WPB-88PRD10)	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-88PRC23)	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 23. PYTHIUM BLIGHT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 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
PENNANT	4.7	5.3	5.0
PICK 89LLG	5.3	4.7	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
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
CLP 39	4.0	5.0	4.5
MOM LP 3182	4.3	4.7	4.5
MULLIGAN (NK 89001)	4.3	4.7	4.5
OFI-D4	3.7	5.3	4.5
POLY-SH	3.7	5.3	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/ 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. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE 1/			
NAME	NJ2	OR9	MEAN
EEG 358	8.3	6.7	7.5
ELITE (WVPB-88PRC23)	7.7	6.3	7.0
ESSENCE (PR 8820)	7.0	7.0	7.0
PST-2ROR	7.0	7.0	7.0
MOM LP 3147	7.0	6.7	6.8
PR 9121	7.7	6.0	6.8
PR 9119	7.3	6.3	6.8
BARRAGE	7.3	6.0	6.7
AFFINITY (GEN-90)	6.7	6.3	6.5
CUTLESS	7.0	6.0	6.5
PICK 89LIG	7.3	5.7	6.5
WVPB 89-92	6.7	6.3	6.5
BARRAGE ++	7.0	5.7	6.3
LINDSAY	6.7	6.0	6.3
MOM LP 3184	7.0	5.7	6.3
MVF 89-90	7.0	5.7	6.3
PR 9118	6.7	6.0	6.3
PST-290	5.7	7.0	6.3
N-33	6.0	6.3	6.2
NAVAJO (PST-2DPR)	6.3	6.0	6.2
NOMAD	6.0	6.3	6.2
ALLEGRO	6.0	6.0	6.0
BAR LP 086FL	6.7	5.3	6.0
CHARGER	6.0	6.0	6.0
CLP 144	6.3	5.7	6.0
LINN	6.7	5.3	6.0
METEOR	6.0	6.0	6.0
PR 9109	6.0	6.0	6.0
TROUBADOUR	6.3	5.7	6.0
MVF 89-88	5.7	6.0	5.8
POLY-SH	5.0	6.7	5.8
ZW 42-176	5.7	6.0	5.8
COMPETITOR	5.3	6.3	5.8
DUET	6.3	5.3	5.8
MOM LP 3185	6.3	5.3	5.8
C-21	5.7	5.7	5.7
LORETTA	5.7	5.7	5.7
BAR LP 852	4.7	6.3	5.5
CLP 39	5.3	5.7	5.5
ENTRAR	5.3	5.7	5.5
PATRIOT II	5.0	6.0	5.5
PST-28M	5.3	5.7	5.5
PST-2FF	4.7	6.3	5.5
TARGET	5.7	5.3	5.5
COWBOY II (WM-II)	5.0	5.7	5.3

CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE

NAME	NJ2	OR9	MEAN
EAGLE (WVPB-89PRA3)	6.0	4.7	5.3
KOOS 90-2	5.0	5.7	5.3
OFI-D4	5.0	5.7	5.3
PICK 89-4	5.0	5.7	5.3
STATESMAN (WVPB-88PRD12)	4.7	6.0	5.3
DIMENSION (2H7)	6.3	4.3	5.3
TORONTO	5.3	5.3	5.3
ZPS-2EZ	5.3	5.3	5.3
DANILO	4.7	5.7	5.2
GATOR	5.7	4.7	5.2
GETTYSBURG	4.7	5.7	5.2
MOM LP 3179	5.7	4.7	5.2
ENVY	5.0	5.3	5.2
MANHATTAN II (E)	5.3	5.0	5.2
MOM LP 3111	5.0	5.3	5.2
PST-2B3	5.0	5.3	5.2
QUICKSTART (PST-2FQR)	5.0	5.3	5.2
REPELL	5.3	5.0	5.2
ASSURE	4.0	6.0	5.0
PS-105	5.0	5.0	5.0
SURPRISE	4.7	5.3	5.0
TAYA	5.0	5.0	5.0
ACCOLADE	4.0	5.7	4.8
FIESTA II	4.0	5.7	4.8
RODEO II	4.0	5.7	4.8
SR 4200	4.0	5.7	4.8
CARTEL	4.3	5.3	4.8
HE 311	3.3	6.3	4.8
LEGACY	4.3	5.3	4.8
OFI-F7	4.3	5.3	4.8
PST-23C	4.3	5.3	4.8
PST-20G	4.7	4.7	4.7
SYN-P	4.7	4.7	4.7
ADVENT	4.3	5.0	4.7
MOM LP 3182	5.0	4.3	4.7
PALMER II (P89)	5.0	4.3	4.7
PEBBLE BEACH	4.3	5.0	4.7
PRELUDE II (2P2-90)	5.0	4.3	4.7
STALLION	4.3	5.0	4.7
TOPEKA (WVPB-88PRD10)	5.0	4.3	4.7
KOOS 90-1	4.7	4.3	4.5
PICK 1800	4.7	4.3	4.5
PICK DKM	4.7	4.3	4.5
SEVILLE	4.3	4.7	4.5
SHERWOOD	4.0	5.0	4.5

TABLE 24. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE			
NAME	NJ2	OR9	MEAN
WVPB-89-87A	4.3	4.7	4.5
ZPS-28D	4.0	5.0	4.5
EQUAL	4.0	4.7	4.3
OVATION	4.7	4.0	4.3
YORKTOWN III (LDRF)	4.7	4.0	4.3
DERBY SUPREME	3.3	5.3	4.3
PICK EEC	3.7	5.0	4.3
UNKNOWN	4.3	4.3	4.3
89-666	3.7	4.7	4.2
EXPRESS	3.7	4.7	4.2
PR 9108	3.7	4.7	4.2
RIVIERA	3.3	5.0	4.2
APM	3.0	5.3	4.2
CALYPSO	4.3	4.0	4.2
BRIGHTSTAR (PST-GH-89)	3.3	4.7	4.0
DANDY	3.7	4.3	4.0
GOALIE	3.0	4.7	3.8
CITATION II	3.7	4.0	3.8
REPELL II (LDRD)	4.0	3.7	3.8
SATURN	3.7	4.0	3.8
856	3.3	4.0	3.7
PINNACLE	2.7	4.7	3.7
4DD-DELAWARE DWARF	3.7	3.7	3.7
COMMANDER	2.0	5.3	3.7
PLEASURE	3.0	4.3	3.7
DANARO	2.7	4.3	3.5
PICK 9100	2.7	4.3	3.5
PREMIER	2.0	4.3	3.2
PENNANT	2.3	3.7	3.0
MULLIGAN (NK 89001)	2.0	3.0	2.5
REGAL	1.0	2.7	1.8
CALIENTE	1.7	1.3	1.5
PENNFINE	1.3	1.7	1.5
LSD VALUE	1.3	1.5	1.0

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

TABLE 25. LEAF RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

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

NAME	RI1	MEAN
COWBOY II (WM-II)	8.3	8.3
OVATION	8.3	8.3
EEG 358	8.0	8.0
GETTYSBURG	8.0	8.0
LORETTA	8.0	8.0
MOM LP 3185	8.0	8.0
MVF 89-90	8.0	8.0
PICK 89-4	8.0	8.0
SURPRISE	8.0	8.0
ZPS-2EZ	8.0	8.0
ALLEGRO	7.7	7.7
APM	7.7	7.7
C-21	7.7	7.7
CALIENTE	7.7	7.7
CALYPSO	7.7	7.7
CITATION II	7.7	7.7
CLP 39	7.7	7.7
DUET	7.7	7.7
ELITE (WVPB-88PRC23)	7.7	7.7
FIESTA II	7.7	7.7
KOOS 90-2	7.7	7.7
OFI-D4	7.7	7.7
PICK 89LLG	7.7	7.7
PINNACLE	7.7	7.7
PLEASURE	7.7	7.7
PR 9108	7.7	7.7
PR 9121	7.7	7.7
PS-105	7.7	7.7
SHERWOOD	7.7	7.7
STATESMAN (WVPB-88PRD12)	7.7	7.7
BAR LP 086FL	7.3	7.3
BAR LP 852	7.3	7.3
BARRAGE	7.3	7.3
CHARGER	7.3	7.3
CLP 144	7.3	7.3
COMMANDER	7.3	7.3
COMPETITOR	7.3	7.3
CUTLESS	7.3	7.3
DANARO	7.3	7.3
DANILO	7.3	7.3
ESSENCE (PR 8820)	7.3	7.3
EXPRESS	7.3	7.3
LINN	7.3	7.3
MOM LP 3111	7.3	7.3
MOM LP 3179	7.3	7.3

LEAF RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

LEAF RUST RATINGS 1-9; 9=NO DISEASE

NAME	RI1	MEAN
MOM LP 3184	7.3	7.3
NAVAJO (PST-2DPR)	7.3	7.3
PATRIOT II	7.3	7.3
PEBBLE BEACH	7.3	7.3
PICK 1800	7.3	7.3
PR 9118	7.3	7.3
PR 9119	7.3	7.3
PRELUDE II (2P2-90)	7.3	7.3
REPELL	7.3	7.3
RIVIERA	7.3	7.3
RODEO II	7.3	7.3
TAYA	7.3	7.3
TOPEKA (WVPB-88PRD10)	7.3	7.3
TORONTO	7.3	7.3
UNKNOWN	7.3	7.3
WVPB 89-92	7.3	7.3
WVPB-89-87A	7.3	7.3
YORKTOWN III (LDRF)	7.3	7.3
ZPS-28D	7.3	7.3
ZW 42-176	7.3	7.3
856	7.0	7.0
89-666	7.0	7.0
ACCOLADE	7.0	7.0
ADVENT	7.0	7.0
AFFINITY (GEN-90)	7.0	7.0
ASSURE	7.0	7.0
BRIGHTSTAR (PST-GH-89)	7.0	7.0
DIMENSION (2H7)	7.0	7.0
KOOS 90-1	7.0	7.0
MANHATTAN II (E)	7.0	7.0
METEOR	7.0	7.0
MOM LP 3147	7.0	7.0
MOM LP 3182	7.0	7.0
MVF 89-88	7.0	7.0
N-33	7.0	7.0
PENNFINE	7.0	7.0
PICK DKM	7.0	7.0
POLY-SH	7.0	7.0
PR 9109	7.0	7.0
PREMIER	7.0	7.0
PST-28M	7.0	7.0
PST-290	7.0	7.0
PST-2B3	7.0	7.0
QUICKSTART (PST-2FQR)	7.0	7.0
REPELL II (LDRD)	7.0	7.0

TABLE 25. LEAF RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

LEAF RUST RATINGS 1-9; 9=NO DISEASE		
NAME	RI1	MEAN
SR 4200	7.0	7.0
SYN-P	7.0	7.0
TROUBADOUR	7.0	7.0
4DD-DELAWARE DWARF	6.7	6.7
DERBY SUPREME	6.7	6.7
EAGLE (WVPB-89PRA3)	6.7	6.7
ENTRAR	6.7	6.7
ENVY	6.7	6.7
EQUAL	6.7	6.7
GOALIE	6.7	6.7
HE 311	6.7	6.7
LINDSAY	6.7	6.7
NOMAD	6.7	6.7
PENNANT	6.7	6.7
PICK 9100	6.7	6.7
PST-23C	6.7	6.7
PST-2FF	6.7	6.7
PST-2OG	6.7	6.7
PST-2ROR	6.7	6.7
SATURN	6.7	6.7
SEVILLE	6.7	6.7
STALLION	6.7	6.7
TARGET	6.7	6.7
BARRAGE ++	6.3	6.3
CARTEL	6.3	6.3
DANDY	6.3	6.3
GATOR	6.3	6.3
MULLIGAN (NK 89001)	6.3	6.3
PALMER II (P89)	6.3	6.3
PICK EEC	6.3	6.3
REGAL	6.3	6.3
LEGACY	5.7	5.7
OFI-F7	5.7	5.7
LSD VALUE	1.2	1.2

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

TABLE 26. MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

MOWING RATINGS 1-9; 9=BEST 1/		
NAME	OR9	MEAN
COMPETITOR	7.0	7.0
PICK 89LLG	7.0	7.0
ZW 42-176	7.0	7.0
APM	6.7	6.7
BRIGHTSTAR (PST-GH-89)	6.7	6.7
EAGLE (WVPB-89PRA3)	6.7	6.7
EEG 358	6.7	6.7
ELITE (WVPB-88PRC23)	6.7	6.7
HE 311	6.7	6.7
PATRIOT II	6.7	6.7
PRELUDE II (2P2-90)	6.7	6.7
SR 4200	6.7	6.7
CLP 144	6.3	6.3
ENVY	6.3	6.3
ESSENCE (PR 8820)	6.3	6.3
GETTYSBURG	6.3	6.3
LEGACY	6.3	6.3
LORETTA	6.3	6.3
POLY-SH	6.3	6.3
PST-28M	6.3	6.3
PST-290	6.3	6.3
PST-2FF	6.3	6.3
PST-2OG	6.3	6.3
ZPS-28D	6.3	6.3
ALLEGRO	6.0	6.0
ASSURE	6.0	6.0
BAR IP 852	6.0	6.0
CLP 39	6.0	6.0
CUTLESS	6.0	6.0
DIMENSION (2H7)	6.0	6.0
ENTRAR	6.0	6.0
NAVAJO (PST-2DPR)	6.0	6.0
PICK EEC	6.0	6.0
PS-105	6.0	6.0
PST-2ROR	6.0	6.0
REPELL II (LDRD)	6.0	6.0
YORKTOWN III (LDRF)	6.0	6.0
4DD-DELAWARE DWARF	5.7	5.7
ADVENT	5.7	5.7
AFFINITY (GEN-90)	5.7	5.7
BAR IP 086FL	5.7	5.7
CALYPSO	5.7	5.7
COWBOY II (WM-II)	5.7	5.7
DANILO	5.7	5.7
GATOR	5.7	5.7

MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1991 DATA

MOWING RATINGS 1-9; 9=BEST

NAME	OR9	MEAN
KOOS 90-1	5.7	5.7
LINDSAY	5.7	5.7
METEOR	5.7	5.7
MOM LP 3147	5.7	5.7
MVF 89-88	5.7	5.7
NOMAD	5.7	5.7
PEBBLE BEACH	5.7	5.7
PICK DKM	5.7	5.7
PINNACLE	5.7	5.7
PR 9118	5.7	5.7
PR 9121	5.7	5.7
PST-23C	5.7	5.7
QUICKSTART (PST-2FQR)	5.7	5.7
REGAL	5.7	5.7
REPELL	5.7	5.7
SATURN	5.7	5.7
SHERWOOD	5.7	5.7
TARGET	5.7	5.7
WVPB 89-92	5.7	5.7
CHARGER	5.3	5.3
COMMANDER	5.3	5.3
DANARO	5.3	5.3
DUET	5.3	5.3
EXPRESS	5.3	5.3
MANHATTAN II (E)	5.3	5.3
MOM LP 3111	5.3	5.3
MVF 89-90	5.3	5.3
OVATION	5.3	5.3
PALMER II (P89)	5.3	5.3
PICK 1800	5.3	5.3
PICK 89-4	5.3	5.3
PICK 9100	5.3	5.3
PLEASURE	5.3	5.3
PST-2B3	5.3	5.3
RIVIERA	5.3	5.3
RODEO II	5.3	5.3
STALLION	5.3	5.3
SURPRISE	5.3	5.3
TAYA	5.3	5.3
89-666	5.0	5.0
C-21	5.0	5.0
CITATION II	5.0	5.0
DANDY	5.0	5.0
DERBY SUPREME	5.0	5.0
EQUAL	5.0	5.0

TABLE 26. MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(CONTINUED) 1991 DATA

MOWING RATINGS 1-9; 9=BEST		
NAME	OR9	MEAN
KOOS 90-2	5.0	5.0
MOM IP 3185	5.0	5.0
MULLIGAN (NK 89001)	5.0	5.0
N-33	5.0	5.0
OFI-F7	5.0	5.0
PENNFINE	5.0	5.0
STATESMAN (WVPB-88PRD12)	5.0	5.0
SYN-P	5.0	5.0
TOPEKA (WVPB-88PRD10)	5.0	5.0
UNKNOWN	5.0	5.0
WVPB-89-87A	5.0	5.0
856	4.7	4.7
BARRAGE	4.7	4.7
BARRAGE ++	4.7	4.7
OFI-D4	4.7	4.7
PR 9108	4.7	4.7
PR 9109	4.7	4.7
PR 9119	4.7	4.7
SEVILLE	4.7	4.7
CALIENTE	4.3	4.3
GOALIE	4.3	4.3
MOM IP 3182	4.3	4.3
MOM IP 3184	4.3	4.3
TROUBADOUR	4.3	4.3
ZPS-2EZ	4.3	4.3
ACCOLADE	4.0	4.0
CARTEL	4.0	4.0
FIESTA II	4.0	4.0
MOM IP 3179	4.0	4.0
PENNANT	4.0	4.0
PREMIER	4.0	4.0
TORONTO	4.0	4.0
LINN	3.0	3.0
LSD VALUE	1.4	1.4

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