

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 1992

<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
Maryland	Silver Spring	MD1
Michigan	East Lansing	MI1
Nebraska	Lincoln	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
New Jersey	Martinsville	NJ3
Ohio	Marysville	OH1
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	Calypto	Roberts Seed Company	47	Duet	Cascade Inter. Seed Co.	92	Stallion Select (PS-105)	Pro-Seeds Marketing
3	Seville	Willamette Seed Company	48	Pennant	E. F. Burlingham & Son	93	Stallion	Finelawn Research
4	Caliente	Willamette Seed Company	49	Competitor	E. F. Burlingham & Son	94	PR 9118	International Seeds, Inc.
5	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			

UPDATED 3/23/94

TABLE A.

1992 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1990 NATIONAL PERENNIAL RYEGRASS TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
CO1	SANDY CLAY LOAM	7.6-8.5	0-60	501+	3.1-4.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
DC1	LOAM	6.6-7.0	151-270	241-375	1.1-2.0	FULL SUN	2.1-2.5	NO IRRIGATION
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
ID2	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
ID3	SILT LOAM AND SILT	7.1-7.5	61-150	501+	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	-	-	-	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
KS2	SILT LOAM AND SILT	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	271-450	241-375	2.1-3.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
MD1	SANDY LOAM	6.1-6.5	151-270	0-150	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MI1	SANDY LOAM	7.1-7.5	-	-	2.1-3.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
NE1	SILTY CLAY LOAM	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NJ1	LOAM	6.6-7.0	151-270	501+	5.1-6.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	LOAM	6.1-6.5	271-450	376-500	5.1-6.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ3	-	-	-	-	-	FULL SUN	1.1-1.5	TO PREVENT STRESS
OH2	SILTY CLAY LOAM	-	-	-	4.1-5.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
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	-	-	-	-	-	-	-	-
RI1	SILT LOAM AND SILT	6.6-7.0	-	0-150	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UB1	SANDY LOAM	5.6-6.0	151-270	0-150	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
VA1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
WA1	SILT LOAM AND SILT	5.6-6.0	0-60	501+	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
WA3	SANDY LOAM	5.6-6.0	0-60	151-240	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1992

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING
CO1					X	X	X		X	X		
DC1					X	X	X	X	X		X	
IA1				X	X	X	X	X	X			
ID2				X	X	X	X		X	X		
ID3				X	X	X	X	X	X	X		
IL1				X		X	X	X	X	X		
IL2				X	X	X	X	X	X	X		
KS1			X	X	X	X	X	X	X	X		
KS2						X		X				
KY1			X	X	X	X	X	X	X	X		
MD1							X		X	X		X
MI1							X	X				
NE1					X	X	X	X	X			
NJ1				X	X	X	X	X	X	X	X	
NJ2				X	X	X	X	X	X	X	X	X
NJ3				X		X		X		X		
OH2						X						
OR7			X	X	X	X	X	X	X	X	X	
OR9	X	X	X	X	X	X	X	X	X	X	X	X
RI1					X	X	X	X	X	X	X	
UB1				X	X	X	X	X			X	
VA1				X	X	X	X	X	X	X		
WA1			X	X		X	X	X				
WA3	X		X	X	X	X	X		X	X	X	

TABLE B. (continued)

LOCATIONS AND DATA COLLECTED IN 1992

LOCATION	GENETIC COLOR RATING	SPRING GREENUP RATING	LEAF TEXTURE RATING	WEAR TOLERANCE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR
CO1										
DC1				X						
IA1										
ID2	X	X				X		X	X	
ID3	X	X				X		X		
IL1										
IL2										
KS1	X									
KS2										
KY1										
MD1					X					
MI1										
NE1	X									
NJ1										
NJ2										
NJ3	X		X		X	X	X			
OH2		X								
OR7										
OR9	X									
RI1		X								
UB1										
VA1										
WA1										
WA3	X	X						X		X

TABLE B. (continued)

LOCATIONS AND DATA COLLECTED IN 1992

LOCATION	DROUGHT TOLERANCE DORMANCY	FUSARIUM PATCH	LEAF SPOT	DOLLAR SPOT	RED THREAD	CROWN RUST	WINTER KILL	MOWING RATING
CO1								
DC1								
IA1								
ID2	X				X			
ID3		X						
IL1					X			
IL2								
KS1								
KS2								
KY1								
MD1								
MI1								
NE1								
NJ1								
NJ2			X					
NJ3								
OH2					X		X	
OR7								
OR9					X	X		
RI1								
UB1			X					
VA1				X				
WA1								
WA3					X			X

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1992 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																						MEAN	
	CO1	DC1	IA1	ID2	ID3	IL1	II2	KS2	KY1	MD1	MI1	NE1	NJ1	NJ2	NJ3	OH2	OR7	OR9	RI1	UB1	VA1	WA1		WA3
* AFFINITY (GEN-90)	6.9	3.4	6.7	6.1	6.3	6.3	7.7	8.0	6.7	6.3	6.2	5.8	6.5	6.5	5.1	5.7	6.4	6.7	6.0	7.4	5.4	6.8	6.5	6.3
* ASSURE	7.1	3.9	7.2	6.9	5.7	5.3	7.4	7.8	7.0	6.5	6.3	5.4	6.1	5.9	5.8	6.0	5.6	6.6	5.5	7.6	5.1	7.5	6.2	6.3
* NIGHTHAWK (WVPB-89PRA3)	6.7	3.5	6.8	6.7	6.4	5.7	7.1	7.8	6.9	6.2	6.7	6.3	7.0	6.8	5.8	5.3	5.4	6.2	5.6	7.4	4.5	6.9	6.4	6.3
* STALLION SELECT (PS-105)	6.7	3.8	6.7	6.7	6.1	6.4	6.8	6.5	7.2	6.5	6.3	5.7	7.1	6.6	6.3	5.3	5.6	6.1	5.7	7.2	4.9	7.3	6.2	6.3
* PALMER II (P89)	6.6	2.9	7.5	4.7	5.8	5.6	7.1	7.8	7.2	6.3	6.3	5.6	6.9	7.7	5.9	6.0	5.5	6.4	5.6	7.8	5.0	7.3	6.5	6.3
* CUTTER (PICK 89-4)	7.2	3.5	7.4	6.4	5.0	6.6	7.1	8.0	6.9	6.8	5.7	5.8	6.8	6.6	6.2	4.3	5.4	6.5	5.3	7.6	5.4	7.2	6.0	6.2
PST-2ROR	7.4	3.4	6.7	6.6	6.4	.	6.9	7.5	6.9	6.8	6.8	5.6	6.8	6.8	5.4	5.0	5.6	6.6	5.8	6.7	4.6	7.1	6.1	6.2
* PRIZM (ZPS-28D)	7.1	3.1	7.1	6.6	5.2	5.7	7.0	7.8	6.8	6.3	6.0	5.5	6.9	7.0	5.3	5.3	5.9	6.9	6.1	7.6	5.1	6.5	6.3	6.2
* PRELUDE II (2P2-90)	6.7	2.5	7.3	6.6	6.0	6.2	6.7	7.7	5.9	6.5	6.0	5.9	6.5	7.1	6.1	5.3	5.6	6.5	5.5	7.7	5.1	7.4	6.3	6.2
PST-28M	6.9	3.1	6.9	6.0	6.0	6.7	6.9	7.5	6.5	6.6	6.7	5.2	6.1	6.9	6.1	5.7	5.2	6.7	5.8	7.6	5.2	6.5	6.3	6.2
PST-290	6.6	3.8	7.1	6.2	6.1	5.8	6.7	8.2	6.8	6.4	6.5	6.2	6.2	6.9	5.6	4.3	5.4	6.5	5.5	7.3	5.2	7.5	6.1	6.2
* BRIGHTSTAR (PST-GH-89)	6.9	2.7	7.6	8.0	6.0	5.2	7.3	8.3	6.3	5.8	6.2	5.5	6.6	7.2	6.3	5.0	5.0	6.1	4.4	7.7	4.5	7.0	6.7	6.2
PST-2FF	6.9	2.9	6.7	6.2	5.6	.	7.4	7.2	6.5	6.4	6.3	5.7	7.2	6.7	5.9	5.7	5.2	6.8	5.0	7.3	5.1	7.1	6.1	6.2
* REPELL II (LDRD)	6.5	3.3	6.8	6.5	5.3	5.8	7.1	8.0	7.1	6.5	6.3	5.9	6.5	7.1	5.8	5.3	5.6	6.4	5.2	7.2	4.9	6.7	6.1	6.2
* ADVENT	7.0	3.1	6.7	6.3	5.9	5.6	6.8	8.2	6.1	6.3	6.2	4.9	6.7	6.9	5.3	5.3	5.9	6.6	5.8	7.5	5.3	7.3	6.1	6.2
* YORKTOWN III (LDRF)	7.1	2.9	6.7	6.3	5.7	6.5	6.3	7.7	6.8	6.5	5.8	5.3	6.3	6.3	5.4	5.3	6.1	6.3	5.8	7.6	5.4	7.5	6.0	6.2
PICK DKM	6.2	2.9	7.4	6.8	6.0	5.3	6.6	8.0	7.6	6.3	6.8	5.6	6.3	6.2	5.3	4.7	5.5	6.5	5.3	7.3	5.1	7.4	6.5	6.2
* SR 4200	7.1	3.3	6.9	6.0	5.7	5.8	7.6	7.5	6.5	7.0	6.2	5.7	6.9	5.7	5.8	4.7	5.7	6.4	5.6	7.4	4.6	7.0	6.4	6.1
* LEGACY	6.7	4.2	7.1	4.6	6.0	5.2	6.5	7.7	7.3	6.6	6.5	5.3	6.8	6.6	5.6	5.7	5.5	6.5	5.5	7.6	4.6	7.1	6.2	6.1
* APM	6.6	3.5	7.1	5.7	5.3	5.7	6.8	7.8	6.1	6.3	6.3	5.1	6.2	6.6	5.3	5.7	6.3	6.6	5.9	7.4	5.7	6.7	6.1	6.1
* SEVILLE	6.8	4.4	6.7	6.1	6.1	6.3	7.0	8.0	6.5	6.5	6.2	5.0	5.9	6.5	4.9	4.7	5.3	6.4	5.7	7.4	5.0	6.9	6.0	6.1
MOM LP 3147	6.7	3.4	6.9	6.2	6.3	5.7	7.1	7.8	6.8	6.5	5.8	5.5	6.5	6.1	5.3	4.7	6.0	6.5	5.6	6.7	4.6	7.1	6.1	6.1
* ENVY	6.9	2.8	6.8	7.3	6.5	6.3	7.0	8.0	5.8	6.0	6.5	6.0	6.2	5.3	5.2	5.3	5.5	6.4	5.8	6.4	4.8	6.9	6.1	6.1
* GETTYSBURG	6.5	3.3	6.8	5.3	6.0	5.8	6.9	8.3	6.3	6.3	6.5	4.7	7.1	6.6	5.9	4.7	4.6	6.1	6.7	7.6	5.0	6.9	6.0	6.1
* PINNACLE	6.7	3.2	6.8	5.9	5.5	6.4	7.0	7.8	6.8	6.3	6.2	5.0	6.8	6.4	4.9	4.7	5.0	5.9	6.0	7.2	5.5	7.1	6.4	6.1
* DELAWARE DWARF (4DD)	6.6	4.1	6.8	6.4	6.4	6.2	7.4	7.5	7.0	6.3	6.0	5.3	6.2	6.4	4.4	4.3	5.6	6.2	5.7	7.1	4.8	6.9	5.8	6.1
89-666	6.6	3.4	6.8	7.3	5.9	6.4	7.0	7.5	6.8	6.8	5.8	5.5	6.5	5.7	5.1	5.0	4.1	5.9	5.9	7.1	5.2	6.9	6.3	6.1
PICK EEC	6.0	2.7	6.7	6.2	5.7	5.6	7.0	7.8	6.9	6.4	6.8	5.9	6.3	6.3	5.3	4.7	5.2	6.6	5.4	7.0	4.7	7.7	6.4	6.1
* DANDY	6.5	4.3	6.7	5.4	5.8	6.1	7.2	7.2	6.8	6.3	6.5	5.6	6.1	6.3	5.3	4.7	5.5	6.3	5.8	6.8	5.2	7.0	5.9	6.1
PST-2B3	7.0	3.2	6.9	5.1	7.0	5.7	6.6	8.0	6.6	5.8	6.0	5.5	6.4	6.4	5.1	5.3	5.1	6.5	5.9	7.1	5.0	6.7	6.1	6.0
* MORNING STAR (SYN-P)	6.7	4.0	7.0	5.3	5.8	4.7	6.9	7.2	6.8	6.3	6.0	5.5	6.7	6.7	5.6	5.0	5.6	6.1	6.0	7.3	4.8	6.8	6.2	6.0
ZPS-2EZ	6.3	3.6	7.2	7.4	5.7	5.8	6.5	7.7	5.4	6.0	6.2	5.3	6.6	5.6	5.7	5.3	4.9	6.5	5.7	6.9	4.9	7.5	6.1	6.0
PICK 9100	6.7	2.9	6.7	7.3	5.4	5.7	6.9	7.5	7.0	6.4	6.2	5.7	6.3	6.8	5.3	4.7	4.6	6.5	5.0	7.2	4.9	7.3	6.0	6.0
PST-23C	6.7	2.5	6.6	.	5.1	.	7.3	7.3	6.2	6.3	6.2	5.5	6.4	6.4	5.3	5.3	5.7	6.2	5.5	7.1	4.9	6.9	6.3	6.0
* ACHIEVER (PICK 1800)	6.8	3.1	7.1	5.3	4.9	5.9	6.9	7.8	6.9	6.3	6.5	5.5	6.6	5.6	5.1	5.7	4.7	6.2	5.3	7.2	5.5	6.5	6.2	6.0
* QUICKSTART (PST-2FQR)	6.9	2.8	7.3	6.5	5.6	5.7	6.8	7.5	6.0	6.1	5.8	5.3	6.5	6.8	5.8	5.3	4.8	6.5	6.0	7.2	3.7	6.7	5.9	6.0
* NAVAJO (PST-2DPR)	6.7	3.9	6.9	6.1	6.2	5.7	7.2	6.8	6.5	6.4	6.0	5.6	5.8	5.6	5.1	5.0	6.2	6.4	5.8	6.9	3.8	6.7	6.1	6.0
* SHERWOOD	6.7	3.4	6.9	6.8	6.2	5.4	7.1	8.2	4.7	6.4	6.2	6.0	5.7	4.9	5.2	5.0	6.0	6.1	5.3	6.8	5.1	7.2	6.0	6.0
* LOWGROW (PICK 89LLG)	6.9	2.9	6.7	6.8	6.1	.	6.5	7.7	5.3	6.2	6.2	6.7	5.9	5.2	5.2	5.3	5.7	6.3	4.8	6.5	5.2	7.3	5.9	6.0
* EQUAL	6.5	3.9	6.8	5.8	5.3	5.3	6.3	7.7	6.9	6.5	6.5	5.1	6.2	5.7	4.8	5.0	5.7	6.1	5.8	6.9	5.0	7.0	5.9	5.9
MVF 89-90	6.6	4.1	6.6	6.6	6.4	5.8	7.1	6.7	5.8	6.3	6.3	5.9	5.9	4.8	5.3	4.7	5.2	6.0	5.5	6.8	4.2	7.5	6.4	5.9
PR 8820	6.6	3.9	6.7	5.7	6.2	5.6	7.0	7.5	6.3	6.2	6.0	6.1	5.8	4.6	4.4	4.7	6.6	6.9	5.1	6.2	5.2	6.9	6.1	5.9
* PATRIOT II	6.2	3.6	6.7	7.7	5.7	5.7	6.2	6.8	6.4	6.6	6.5	5.9	5.5	5.3	5.0	5.7	5.5	6.4	5.4	6.4	3.8	7.1	6.1	5.9
* BUCCANEER (KOOS 90-1)	6.7	3.4	7.1	5.4	5.8	5.8	7.0	7.0	6.8	6.3	6.2	5.0	6.4	6.4	5.0	5.3	3.9	6.1	5.8	7.0	5.0	7.1	5.8	5.9
* PLEASURE	6.3	3.7	6.8	6.3	5.7	5.9	7.4	7.5	7.0	6.4	6.0	4.7	5.9	4.7	4.9	5.0	4.4	5.6	5.8	6.8	5.4	7.5	5.6	5.9

TABLE 1. (continued)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1992 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																						MEAN		
	CO1	DC1	IA1	ID2	ID3	IL1	II2	KS2	KY1	MD1	MI1	NE1	NJ1	NJ2	NJ3	OH2	OR7	OR9	RI1	UB1	VA1	WA1		WA3	
PST-20G	6.2	2.2	6.9	7.7	5.8	5.9	6.9	7.2	5.5	5.9	6.2	5.9	5.4	5.4	4.6	5.3	5.7	6.1	5.6	6.8	5.0	6.6	6.3	5.9	
* EXPRESS	6.4	3.9	6.8	6.4	5.8	5.4	7.0	7.7	6.0	6.2	6.2	5.4	6.3	5.5	4.9	5.3	4.4	6.0	5.5	6.9	4.9	6.6	5.8	5.9	
* DIMENSION (2H7)	6.9	3.0	6.9	6.4	5.9	5.8	7.5	6.8	6.0	6.3	6.2	5.1	6.2	6.2	4.7	5.3	5.0	6.3	5.6	6.4	4.4	6.3	6.1	5.9	
WVPB 89-92	7.1	3.3	6.5	5.7	6.7	6.1	7.3	6.3	6.7	6.5	6.2	6.2	5.8	4.7	5.0	5.0	5.7	6.2	5.1	5.9	4.8	6.5	5.9	5.9	
* TARGET	6.5	3.7	6.4	6.0	6.5	5.7	6.4	7.0	6.5	6.3	6.3	5.3	6.0	6.2	5.2	5.0	4.5	6.1	5.4	7.0	4.4	6.6	6.0	5.9	
* COMPETITOR	6.3	4.6	6.7	6.4	6.0	5.8	7.0	7.0	6.5	6.0	6.2	5.4	5.4	4.7	4.9	4.3	6.0	6.0	6.0	7.0	4.2	6.8	5.7	5.9	
* GATOR	7.0	3.8	6.3	7.0	6.3	.	6.8	7.0	6.8	6.2	6.3	5.4	5.1	4.8	4.3	5.0	5.6	6.2	5.1	6.3	5.0	6.7	5.9	5.9	
* CHARGER	6.2	3.6	6.9	5.5	5.9	5.2	7.0	7.2	6.3	6.1	6.5	5.3	5.8	5.6	5.0	5.7	5.5	6.5	5.7	5.5	4.5	7.1	6.0	5.8	
* SATURN	6.7	3.0	6.6	5.8	6.8	5.8	6.6	7.8	6.3	6.3	6.2	5.1	5.8	5.1	4.9	5.3	4.7	5.9	5.3	6.8	4.2	6.9	6.1	5.8	
OFI-F7	6.3	3.8	6.8	5.6	5.8	5.8	7.1	7.3	6.5	6.0	6.2	5.2	6.4	5.4	5.1	4.7	4.6	6.0	5.2	6.8	4.6	6.8	5.9	5.8	
* PEBBLE BEACH	6.3	3.4	6.8	6.7	6.2	4.9	6.7	6.5	6.2	6.4	6.5	5.5	5.3	4.9	4.9	5.7	5.2	6.2	5.9	6.5	4.5	7.0	5.7	5.8	
* NOMAD	6.7	4.8	6.8	5.2	6.5	5.6	6.3	7.5	6.3	5.9	6.2	5.4	5.5	5.0	4.5	5.7	4.9	6.4	5.6	5.8	4.4	6.5	6.4	5.8	
HE 311	6.8	3.4	6.6	5.7	6.3	5.9	6.5	7.5	6.1	6.9	5.8	5.1	5.0	5.4	5.3	5.0	5.6	6.3	5.9	5.9	4.7	6.7	5.6	5.8	
* MANHATTAN II (E)	6.3	4.1	6.6	6.3	6.0	.	6.7	7.0	6.0	6.7	5.7	5.1	5.7	4.6	4.8	5.3	4.3	6.1	5.5	6.8	5.0	7.2	6.1	5.8	
KOOS 90-2	6.7	3.4	6.9	5.9	5.5	5.4	7.3	7.3	6.2	6.3	6.3	5.0	5.8	4.8	5.1	4.3	4.8	6.3	6.3	7.1	4.5	6.5	5.9	5.8	
PR 9121	7.0	3.8	6.4	5.4	5.7	4.8	6.3	7.3	5.3	6.1	6.3	6.2	5.3	5.3	4.8	4.7	5.7	6.3	5.7	6.8	5.2	7.0	6.2	5.8	
* FIESTA II	6.3	3.8	6.7	6.1	6.2	5.1	7.0	7.2	6.3	6.4	6.2	5.5	5.3	4.9	4.7	4.7	5.1	6.2	5.4	6.2	4.6	7.1	6.1	5.8	
PR 9119	6.6	3.6	6.7	5.9	6.1	.	6.6	6.5	6.6	6.3	5.8	5.9	6.1	5.3	4.8	4.0	4.9	6.3	5.2	6.9	4.5	6.8	5.8	5.8	
* COWBOY II (WM-II)	6.5	2.4	6.9	6.3	6.6	5.3	6.8	7.2	5.7	6.4	7.2	6.2	5.3	4.6	4.7	5.0	5.8	6.2	5.0	5.7	4.4	6.9	5.8	5.8	
WVPB-89-87A	6.7	3.1	6.8	4.6	5.9	5.7	6.5	7.0	6.8	6.2	6.5	5.1	5.9	5.9	5.0	4.7	4.7	6.1	5.8	6.7	4.4	6.8	6.0	5.8	
* ELITE (WVPB-88PRC23)	6.3	3.7	6.8	6.7	6.4	5.1	6.7	7.0	6.3	6.4	5.8	5.7	5.3	4.3	4.0	4.7	5.9	6.4	5.2	6.1	4.7	6.9	6.2	5.8	
* REPELL	7.1	3.0	6.7	6.1	6.0	6.2	6.6	7.0	6.0	6.5	6.3	6.5	5.7	4.9	4.3	4.4	5.0	5.2	5.8	4.8	6.5	5.1	6.9	5.9	5.8
* EVENING SHADE (POLY-SH)	6.3	2.9	6.7	5.2	6.0	4.7	6.0	7.3	7.1	6.4	6.2	5.7	5.7	5.0	5.5	5.3	5.4	6.3	5.1	6.4	4.1	6.5	6.0	5.7	
* COMMANDER	6.4	3.4	6.5	6.3	5.0	5.2	6.4	6.8	7.2	6.3	5.8	5.7	5.6	5.1	4.4	5.7	4.9	6.1	5.3	6.2	4.6	7.2	5.8	5.7	
* STATESMAN (WVPB-88PRD12)	6.4	3.8	6.4	5.9	6.1	.	6.3	7.2	6.1	6.3	6.2	5.6	5.7	4.8	4.3	5.0	4.7	6.0	5.8	6.1	4.2	6.9	5.9	5.7	
* PENNANT	6.9	4.3	6.7	5.4	5.9	.	7.0	7.2	4.6	6.2	6.5	4.7	5.5	4.4	4.7	5.3	5.0	5.5	5.6	6.1	4.9	7.1	5.8	5.7	
* RODEO II	6.7	3.5	7.0	4.9	5.5	6.0	6.4	6.8	6.0	6.4	6.3	5.6	5.3	4.8	4.8	5.7	4.3	5.9	5.4	6.7	3.8	6.5	6.5	5.7	
* RIVIERA	6.4	3.8	6.4	5.6	5.9	5.3	7.0	7.0	6.1	6.6	6.0	5.2	5.3	5.1	4.5	5.0	4.6	5.7	4.9	6.5	5.2	6.9	5.5	5.7	
* TOPEKA (WVPB-88PRD10)	6.3	4.7	6.8	6.1	5.1	.	6.5	6.8	6.2	6.3	6.3	5.3	4.7	4.2	4.9	5.0	4.7	5.9	4.9	6.2	4.9	6.7	6.1	5.7	
* DERBY SUPREME	6.7	3.7	6.7	5.9	5.6	5.3	6.5	6.8	6.1	6.0	5.7	5.6	5.2	4.3	4.8	5.7	5.1	5.9	5.1	6.1	4.6	6.9	5.9	5.7	
EEG 358	6.4	4.6	6.6	6.4	6.2	5.1	6.6	6.3	5.8	5.9	6.3	5.7	4.7	4.2	4.6	5.3	5.3	6.1	4.7	6.7	4.6	6.3	5.7	5.7	
* CUTLESS	6.5	4.6	6.7	5.4	6.1	5.3	6.5	7.2	5.5	5.9	6.2	5.5	5.3	4.3	4.3	4.7	5.0	6.1	5.4	6.2	4.5	6.7	6.1	5.7	
PR 9118	6.0	3.4	7.0	5.0	5.7	5.8	6.7	6.8	5.7	6.3	6.0	5.4	5.7	4.9	4.3	4.7	5.1	5.9	5.4	6.9	4.6	6.8	6.1	5.7	
* CALYPSO	6.5	4.3	6.6	6.2	6.2	5.5	6.3	6.7	5.9	6.5	6.3	5.3	4.7	4.3	4.3	5.3	4.7	5.6	5.5	6.1	4.5	6.9	5.9	5.7	
N-33	6.7	2.7	7.2	5.2	6.0	6.0	6.9	7.2	6.5	5.9	6.3	5.2	5.5	4.5	4.8	5.0	4.9	5.9	4.9	6.6	4.1	6.2	5.9	5.6	
BAR LP 086FL	6.3	3.6	6.7	6.8	5.8	5.5	6.2	7.2	5.5	6.2	6.2	5.7	4.7	4.9	4.0	5.3	5.3	5.9	5.3	5.2	4.6	6.8	6.0	5.6	
* LINDSAY	6.6	3.2	6.4	6.3	6.6	5.0	6.5	7.0	6.6	6.4	5.8	5.3	5.0	4.8	4.2	5.0	5.0	6.0	4.8	5.9	4.6	6.6	6.0	5.6	
* ACCOLADE	6.5	3.4	6.7	6.3	5.8	4.8	6.9	7.5	5.8	6.2	6.3	5.4	5.6	4.1	4.7	4.7	4.8	6.0	5.0	6.1	4.5	6.6	5.9	5.6	
UNKNOWN	6.3	2.9	6.6	6.0	5.8	.	5.9	7.2	6.0	6.5	6.3	5.5	5.1	4.7	4.7	5.0	5.6	5.8	5.0	5.7	4.5	6.7	.	5.6	
* PREMIER	7.2	3.6	6.3	5.6	5.7	.	6.4	6.8	6.4	6.1	6.2	5.7	5.1	3.8	4.8	4.7	4.6	5.7	4.9	5.9	4.9	6.5	5.7	5.6	
* CITATION II	6.5	3.7	6.2	5.2	5.9	.	6.8	7.0	5.7	6.1	6.0	6.0	4.9	4.6	3.9	5.3	4.6	5.7	5.2	6.2	4.2	6.7	5.8	5.6	
PR 9108	6.3	3.6	6.9	5.7	5.1	.	7.3	7.0	6.4	6.1	6.0	5.2	5.2	4.0	4.3	4.3	5.2	5.8	4.6	5.9	4.5	6.7	6.1	5.6	
* REGAL	6.1	3.3	6.8	5.9	6.1	.	6.7	6.5	6.4	6.2	6.3	4.9	5.0	4.3	4.6	4.3	3.5	5.2	5.3	6.2	5.0	7.2	5.6	5.5	
MVF 89-88	6.2	2.8	7.1	5.8	5.3	5.2	6.7	6.7	6.5	6.3	6.3	5.5	5.0	4.1	4.7	4.3	4.4	5.9	5.1	5.9	4.7	6.7	5.8	5.5	
* STALLION	6.8	3.8	6.4	4.3	5.8	.	6.4	6.7	6.2	6.5	6.0	5.1	5.1	4.1	4.3	4.7	5.0	5.7	5.2	6.2	4.3	6.6	5.8	5.5	

TABLE 1. (continued)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1992 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF																						MEAN	
	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1	NJ1	NJ2	NJ3	OH2	OR7	OR9	RI1	UB1	VA1	WA1		WA3
* BARRAGE	6.1	4.6	6.5	5.7	5.9	.	7.0	6.8	6.0	6.2	6.3	5.7	4.0	3.4	3.3	5.3	5.0	5.6	4.8	6.0	4.4	6.5	5.8	5.5
* CALIENTE	6.1	4.6	6.1	6.2	5.4	5.3	6.5	6.8	5.6	6.3	5.8	5.2	4.8	3.7	4.6	5.0	3.8	5.1	5.7	6.2	4.9	6.7	6.0	5.5
CLP 39	6.1	4.0	6.6	6.3	6.2	.	6.6	6.7	5.3	6.3	5.8	6.1	4.0	3.1	3.6	5.3	5.5	5.9	5.1	5.6	4.4	6.4	5.8	5.5
MOM LP 3184	5.9	4.0	6.1	5.5	5.6	5.6	7.5	6.7	6.3	5.8	5.7	5.1	4.8	4.2	4.3	5.0	4.9	5.6	4.8	5.8	4.9	6.7	5.8	5.5
C-21	6.3	3.0	6.6	4.8	5.5	5.6	7.1	6.3	6.3	6.1	6.3	5.5	4.8	4.4	4.5	4.3	5.6	5.9	4.9	5.8	4.4	6.4	5.7	5.5
* BARRAGE ++	6.1	4.8	6.1	5.5	5.6	5.7	6.7	6.0	5.7	6.7	6.0	5.7	3.9	3.4	3.6	5.3	5.4	5.7	4.8	6.3	5.2	6.3	5.5	5.5
PR 9109	6.5	4.4	6.6	5.6	4.9	5.6	6.8	6.7	5.6	6.1	6.3	4.8	5.0	4.3	4.1	4.7	5.3	5.7	4.9	6.2	4.4	5.9	5.4	5.5
ZW 42-176	6.3	3.3	6.8	5.0	5.1	4.9	6.0	6.2	5.2	6.0	5.5	4.6	5.7	5.5	4.3	5.7	4.2	5.9	6.0	5.7	4.6	6.6	5.9	5.4
* TAYA	6.1	3.9	6.4	6.1	5.2	4.9	6.6	6.5	5.5	6.0	6.3	5.9	4.3	3.9	3.8	5.0	5.1	5.5	5.5	6.0	4.5	6.4	5.8	5.4
* ALLEGRO	6.1	4.4	6.8	6.4	5.8	4.9	6.4	6.3	5.6	5.9	5.8	5.7	4.1	3.5	3.8	4.7	5.6	6.0	4.9	5.5	4.1	6.5	5.9	5.4
OFI-D4	6.4	3.5	6.6	5.1	5.4	5.6	6.3	6.8	5.9	6.1	6.2	5.7	4.6	4.1	3.7	4.7	4.9	5.7	5.0	6.1	3.9	6.5	5.5	5.4
* MULLIGAN (NK 89001)	6.1	4.1	6.3	5.0	5.2	5.6	6.8	6.7	5.0	6.3	6.2	4.7	5.4	4.2	4.2	4.3	4.0	5.6	5.0	6.4	4.9	6.7	5.6	5.4
BAR LP 852	6.4	3.7	6.7	5.4	5.2	5.2	6.1	5.7	5.8	5.9	6.5	4.7	5.1	3.5	3.6	5.0	4.8	5.5	5.6	5.9	5.0	6.7	5.6	5.4
DANILO	6.1	3.7	6.4	6.6	6.5	5.3	6.8	6.7	5.6	6.3	6.3	5.5	3.6	3.5	3.7	4.7	3.9	5.4	5.0	4.7	4.2	6.7	5.7	5.3
* DUET	6.3	3.3	6.8	5.4	4.5	5.3	7.0	6.5	5.1	5.8	6.5	5.2	4.5	4.1	4.3	4.7	4.7	5.8	4.8	5.7	3.9	6.8	5.7	5.3
856	6.7	2.6	6.6	5.3	6.2	5.3	6.8	5.8	6.0	6.2	6.0	4.8	4.3	3.3	4.1	5.0	4.5	5.3	4.8	5.2	4.6	6.9	5.7	5.3
* LORETTA	5.7	5.7	6.0	6.1	6.1	.	6.3	6.5	5.2	6.3	6.5	5.3	3.8	2.7	3.2	4.3	5.2	5.3	4.5	5.5	4.5	6.1	5.7	5.3
CLP 144	5.8	3.3	6.1	5.6	6.3	4.8	7.1	5.8	5.5	5.9	5.8	6.5	4.1	3.1	3.3	4.7	5.8	5.7	4.6	5.6	3.9	6.3	5.7	5.3
DANARO	5.6	4.6	6.9	5.8	5.7	4.9	6.7	5.8	4.9	5.8	6.2	5.4	3.9	3.0	3.7	5.3	5.3	5.3	4.5	4.6	4.4	6.3	5.6	5.2
MOM LP 3185	5.7	3.8	5.8	5.4	5.7	.	7.1	6.5	6.1	5.9	6.0	5.1	4.2	3.0	3.3	4.7	4.8	5.4	4.5	5.6	4.2	6.1	5.7	5.2
MOM LP 3182	5.7	3.5	6.2	6.1	5.8	5.6	5.8	6.0	5.8	6.3	6.0	4.9	4.4	2.9	3.4	5.0	4.6	5.2	5.0	5.8	4.4	6.1	5.5	5.2
* ENTRAR	6.2	3.8	6.7	6.0	5.5	5.5	6.5	6.0	5.2	5.9	5.8	5.1	4.2	3.4	3.8	4.3	4.3	5.6	4.7	5.1	3.6	6.3	5.4	5.2
* OVATION	5.9	3.5	6.2	6.1	6.2	5.1	6.4	5.5	4.4	6.3	6.3	5.5	3.7	2.6	3.6	4.3	4.9	5.3	5.2	5.3	4.5	6.2	5.7	5.2
TORONTO	5.9	4.1	5.7	5.8	5.8	5.3	6.0	5.8	5.1	6.0	6.3	5.4	3.8	3.1	3.6	4.7	4.6	5.2	4.7	4.9	4.6	5.8	5.5	5.1
* SURPRISE	5.9	4.3	6.5	5.5	5.6	4.7	5.8	4.8	5.0	5.9	5.7	5.0	3.6	3.7	3.7	5.3	4.6	5.6	4.6	4.9	3.9	6.4	5.5	5.1
MOM LP 3111	5.3	3.4	6.4	5.7	5.4	5.2	5.6	5.7	5.3	5.8	6.5	4.9	3.4	3.0	3.4	5.3	4.7	5.4	5.2	4.3	4.0	6.1	5.6	5.0
* PENNFINE	5.8	2.9	6.3	5.1	5.3	.	5.9	5.8	4.7	6.3	6.5	4.9	4.7	3.3	3.4	4.7	3.4	5.0	5.0	5.4	4.3	6.4	.	5.0
MOM LP 3179	5.2	3.4	5.7	5.6	5.2	.	6.0	6.2	5.0	5.9	6.7	4.9	3.7	2.7	3.3	5.3	4.1	5.1	5.0	4.9	4.1	6.5	5.5	5.0
* TROUBADOUR	5.3	3.6	5.9	6.3	6.0	5.4	6.0	5.3	4.8	5.8	5.7	6.0	3.2	3.0	3.3	5.3	5.0	5.3	4.0	5.1	3.5	5.6	5.4	5.0
* GOALIE	5.7	3.2	6.7	5.7	5.9	.	5.7	6.0	4.7	5.9	6.2	4.7	3.7	2.7	3.3	5.0	3.3	5.1	4.5	5.1	3.5	6.3	5.2	4.9
* METEOR	5.1	3.4	5.8	5.7	5.6	4.8	6.3	6.0	4.3	5.8	5.7	4.4	3.3	2.8	3.8	4.7	5.1	5.4	4.8	4.2	3.9	6.5	5.3	4.9
* CARTEL	4.9	3.5	6.2	5.3	5.6	4.6	6.3	5.0	4.8	5.8	5.7	4.9	3.3	3.1	3.1	4.0	4.3	5.1	4.8	4.5	3.9	6.5	5.8	4.8
* LINN	3.9	2.3	5.4	2.9	3.1	.	4.5	3.8	3.1	5.0	5.8	4.0	1.9	1.0	1.2	4.0	2.9	3.3	3.3	2.8	3.0	4.9	4.5	3.5
LSD VALUE	0.6	1.4	0.5	1.6	1.1	1.0	1.1	1.0	1.6	0.6	0.8	1.0	0.8	0.9	0.8	1.3	1.1	0.4	0.9	0.7	0.8	1.0	0.5	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-THREE LOCATIONS IN THE U.S. AND CANADA 1992 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)	6.3	6.7	6.8	6.4	6.3	6.4	6.0	6.0	6.5	6.6	6.4	7.1	6.3
ASSURE	5.7	6.7	7.1	6.6	6.1	6.3	5.9	5.9	6.3	6.4	6.0	6.6	6.3
NIGHTHAWK (WVPB-89PRA3)	5.5	5.7	7.0	6.9	6.3	6.4	5.9	5.9	6.2	6.2	6.0	6.6	6.3
STALLION SELECT (PS-105)	4.7	6.0	7.4	6.6	6.2	6.3	5.9	5.8	6.4	6.7	6.0	6.7	6.3
FALMER II (P89)	5.5	6.0	6.9	6.7	6.1	6.3	5.8	6.0	6.3	6.5	6.3	7.1	6.3
CUTTER (PICK 89-4)	5.3	6.3	6.9	6.8	5.9	6.3	6.0	6.0	6.4	6.6	6.3	6.6	6.2
EST-2ROR	5.0	6.7	6.5	6.2	6.0	6.3	6.3	6.1	6.5	6.5	5.8	6.8	6.2
ERIZM (ZPS-28D)	5.7	6.3	6.4	6.6	6.1	6.4	5.9	5.9	6.5	6.4	6.4	7.3	6.2
ERELUDE II (2P2-90)	5.8	6.3	6.7	6.8	6.2	6.2	5.9	6.0	6.2	6.3	5.8	6.6	6.2
EST-28M	5.8	6.3	6.3	6.6	5.9	6.3	5.9	5.9	6.3	6.6	6.0	7.1	6.2
EST-290	5.5	6.3	6.9	6.4	6.1	6.3	6.1	6.0	6.1	6.3	6.2	7.0	6.2
EST-2FF	5.8	6.7	6.7	6.7	6.0	6.3	6.0	5.8	6.1	6.4	6.0	6.9	6.2
REPELL II (LDRD)	5.5	6.7	6.6	6.7	6.1	6.2	5.9	5.8	6.1	6.5	6.0	6.9	6.2
ADVENT	6.0	6.3	6.5	6.4	5.8	6.1	6.0	5.9	6.4	6.4	6.3	7.1	6.2
YORKTOWN III (LDRF)	5.5	6.7	7.1	6.3	5.9	6.4	5.8	5.8	6.3	6.4	6.2	6.4	6.2
BRIGHTSTAR (PST-GH-89)	5.3	6.3	6.5	6.6	6.5	6.3	5.7	5.6	6.2	6.5	5.6	6.4	6.2
PICK DKM	5.3	6.7	7.1	6.8	6.0	6.2	5.9	5.7	6.3	6.3	5.9	6.7	6.2
SR 4200	5.3	6.0	6.7	6.5	6.0	6.3	6.1	5.7	6.2	6.3	5.9	6.6	6.1
LEGACY	5.3	6.7	7.2	6.3	6.0	6.3	5.8	5.8	6.2	6.3	6.1	6.8	6.1
APM	5.3	6.3	6.7	6.4	6.0	6.2	5.8	5.8	6.2	6.2	6.2	6.8	6.1
SEVILLE	5.3	6.3	6.5	6.0	5.8	6.3	5.9	5.7	6.3	6.4	6.2	6.7	6.1
MM LP 3147	6.2	6.0	6.7	6.2	5.6	6.1	5.9	5.9	6.5	6.5	6.0	7.1	6.1
ENVY	5.8	6.3	6.2	6.2	5.8	6.1	5.7	6.0	6.5	6.3	5.5	6.0	6.1
GETTYSBURG	5.0	6.0	6.1	6.3	5.8	6.0	5.8	6.0	6.3	6.3	6.0	6.4	6.1
PINNACLE	5.7	6.0	6.6	6.4	5.8	6.2	6.1	5.7	6.1	6.1	6.0	7.1	6.1
DELAWARE DWARF (4DD)	5.2	6.0	6.5	6.4	5.8	6.1	6.0	5.7	6.3	6.4	6.3	6.8	6.1
89-666	5.7	5.7	6.7	6.3	5.8	6.0	5.9	5.6	6.4	6.3	5.4	6.9	6.1
PICK EEC	5.0	6.7	7.0	6.6	5.9	6.0	5.9	5.6	6.2	6.2	5.8	6.3	6.1
DANDY	5.0	6.7	7.0	6.1	5.9	6.2	6.0	5.7	6.2	6.3	5.8	6.8	6.1
EST-2B3	5.7	6.3	6.5	6.1	5.6	6.0	5.8	6.0	6.3	6.4	6.0	6.6	6.0
MORNING STAR (SYN-P)	5.2	6.3	6.9	6.3	6.0	6.0	5.8	5.9	6.1	6.1	6.3	7.0	6.0
ZPS-2EZ	5.5	6.0	6.5	6.0	5.9	6.1	5.8	5.9	6.2	6.2	5.6	5.7	6.0
PICK 9100	5.3	6.3	6.9	6.4	6.0	6.0	5.7	5.5	6.2	6.3	5.8	7.1	6.0
EST-23C	5.8	6.7	6.5	6.2	5.7	6.0	6.0	5.7	6.0	6.1	5.8	6.9	6.0
ACHIEVER (PICK 1800)	5.2	6.0	6.1	6.2	5.7	6.0	5.8	5.7	6.1	6.2	5.8	6.1	6.0
QUICKSTART (PST-2FQR)	6.0	6.7	6.5	6.5	5.7	5.9	5.8	5.7	6.0	6.0	5.9	6.9	6.0
NAVAJO (PST-2DPR)	5.2	6.0	7.2	6.4	6.1	6.0	5.6	5.4	6.1	6.2	6.3	6.6	6.0
SHERWOOD	5.2	6.3	6.5	6.0	5.6	6.0	5.7	5.5	6.0	6.0	6.1	6.3	6.0
LOWGROW (PICK 89LLG)	5.0	6.0	6.2	6.3	6.0	6.2	5.5	5.6	6.0	6.1	5.3	5.6	6.0
EQUAL	4.7	5.7	6.7	6.0	5.9	6.0	5.8	5.6	6.0	6.1	6.0	6.8	5.9
MF 89-90	5.3	5.7	6.7	6.0	5.8	6.0	5.7	5.4	6.3	6.1	5.5	6.4	5.9
FR 8820	5.7	6.7	6.8	6.1	5.7	5.9	5.6	5.7	6.4	6.1	6.0	6.0	5.9
PATRIOT II	5.3	6.0	6.8	6.4	5.7	5.9	5.6	5.4	6.1	6.1	5.6	5.8	5.9
BUCCANEER (KOOS 90-1)	5.2	6.0	6.1	6.3	5.7	6.1	5.7	5.4	6.0	6.1	5.6	6.8	5.9
PLEASURE	5.0	5.7	6.5	5.9	5.5	6.0	5.7	5.5	6.0	6.1	5.4	6.2	5.9

TABLE 2. (continued) MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH MONTH GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1992 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DIMENSION (2H7)	5.3	6.0	6.3	6.3	5.7	5.9	5.6	5.4	6.1	6.0	6.0	6.8	5.9
PST-20G	5.0	6.0	6.2	6.3	5.6	6.0	5.6	5.4	6.3	6.2	5.6	6.0	5.9
EXPRESS	5.2	6.3	6.7	6.2	5.6	5.9	5.7	5.5	5.9	6.0	5.3	6.7	5.9
WVPB 89-92	5.3	6.0	6.0	5.8	5.6	6.0	5.9	5.5	6.4	6.2	5.4	6.0	5.9
TARGET	5.3	5.7	6.1	5.8	5.6	6.0	5.6	5.7	6.1	6.2	5.5	6.3	5.9
COMPETITOR	5.0	6.0	6.7	6.2	5.5	5.8	5.7	5.5	6.2	6.2	6.0	5.2	5.9
GATOR	5.0	6.0	6.3	5.8	5.5	5.9	5.7	5.6	6.1	6.2	5.7	5.9	5.9
CHARGER	5.3	7.0	6.9	6.0	5.6	5.9	5.6	5.5	6.0	6.0	5.5	6.3	5.8
SATURN	5.2	6.0	6.7	5.9	5.5	5.8	5.6	5.4	5.9	6.1	5.7	6.0	5.8
OFT-F7	5.3	6.0	6.8	6.1	5.7	6.0	5.6	5.5	5.8	5.8	5.5	6.3	5.8
PEBBLE BEACH	5.0	5.7	6.5	6.2	5.5	5.8	5.6	5.4	6.0	6.0	5.3	5.6	5.8
NOMAD	5.8	6.0	6.3	5.9	5.7	6.0	5.4	5.4	6.1	5.9	5.4	6.4	5.8
MANHATTAN II (E)	5.3	6.0	6.4	5.8	5.5	6.0	5.7	5.6	5.9	5.9	5.3	6.2	5.8
KOOS 90-2	5.7	5.7	6.5	5.9	5.6	5.7	5.6	5.3	6.0	6.1	5.9	6.7	5.8
PR 9121	5.5	6.0	6.5	6.0	5.6	5.9	5.5	5.3	5.9	5.8	6.0	6.7	5.8
HE 311	5.2	6.3	6.0	5.8	5.4	6.0	5.8	5.4	6.2	6.1	5.1	5.8	5.8
FIESTA II	5.5	5.7	6.1	5.7	5.5	5.8	5.6	5.5	6.0	6.1	5.8	6.2	5.8
PR 9119	5.0	6.0	6.5	5.8	5.6	5.8	5.7	5.5	6.1	6.0	5.8	6.6	5.8
COWBOY II (WM-II)	5.0	6.0	6.3	5.5	5.3	5.9	5.9	5.6	6.0	5.8	5.0	5.6	5.8
WVPB-89-87A	5.3	6.0	6.6	6.0	5.5	5.9	5.6	5.4	5.8	5.8	5.5	6.8	5.8
ELITE (WVPB-88PRC23)	5.7	6.0	6.3	5.8	5.8	6.0	5.4	5.2	6.3	5.9	5.5	5.9	5.8
REPELL	5.3	5.7	6.2	5.7	5.4	6.0	5.5	5.4	6.1	5.8	5.1	6.1	5.8
EVENING SHADE (POLY-SH)	5.2	6.3	6.9	6.4	5.6	5.7	5.5	5.2	5.6	5.9	5.5	5.2	5.7
COMMANDER	5.0	6.3	6.9	6.1	5.4	5.7	5.4	5.2	5.8	6.0	5.5	6.9	5.7
STATESMAN (WVPB-88PRD12)	5.7	6.0	6.5	5.9	5.4	5.8	5.6	5.3	5.6	5.6	5.7	6.6	5.7
PENNANT	4.7	6.0	5.9	5.4	5.5	5.9	5.5	5.4	5.6	5.7	5.5	5.9	5.7
RODEO II	5.7	6.0	6.3	5.6	5.4	5.7	5.3	5.2	5.9	5.8	5.5	6.1	5.7
RIVIERA	5.0	6.0	6.0	5.5	5.4	5.8	5.4	5.3	5.8	5.8	5.7	6.4	5.7
TOPEKA (WVPB-88PRD10)	5.5	5.7	6.5	5.7	5.4	5.6	5.5	5.2	5.8	5.6	5.4	6.7	5.7
DERBY SUPREME	5.7	6.0	6.6	5.6	5.2	5.8	5.4	5.1	5.8	5.7	5.7	5.9	5.7
EEG 358	5.2	6.0	5.7	5.4	5.6	5.9	5.5	5.5	6.0	5.7	5.2	4.8	5.7
CUTLESS	5.3	6.0	6.3	5.6	5.4	5.7	5.4	5.4	5.9	5.8	5.7	5.8	5.7
PR 9118	5.2	6.0	6.4	5.9	5.6	5.7	5.4	5.2	5.8	5.6	5.4	6.6	5.7
CALYPSO	4.8	6.0	5.8	5.5	5.4	5.7	5.5	5.2	5.9	5.8	5.1	6.0	5.7
N-33	5.5	6.0	6.5	6.0	5.3	5.6	5.3	5.2	5.9	5.8	5.1	6.1	5.6
BAR LP 086FL	5.2	5.3	6.2	5.4	5.5	5.9	5.4	5.1	6.1	5.8	5.3	5.1	5.6
ACCOLADE	5.2	6.0	6.6	5.7	5.3	5.5	5.4	5.4	5.7	5.8	5.4	5.6	5.6
LINDSAY	5.5	6.0	5.9	5.8	5.4	5.6	5.5	5.1	5.9	5.8	5.5	6.1	5.6
UNKNOWN	5.3	6.0	6.6	5.3	5.0	5.5	5.6	5.4	5.8	5.8	5.2	6.2	5.6
PREMIER	5.3	5.7	6.3	5.4	5.2	5.8	5.5	5.1	5.6	5.5	5.1	6.1	5.6
CITATION II	5.3	6.0	6.3	5.6	5.0	5.7	5.6	5.0	5.8	5.3	5.2	6.2	5.6
PR 9108	5.2	5.7	6.4	5.5	5.3	5.6	5.4	5.3	5.7	5.8	5.3	5.7	5.5
REGAL	5.3	5.7	6.0	5.8	5.2	5.6	5.5	5.1	5.6	5.5	4.7	4.9	5.5
MVF 89-88	5.3	6.0	6.3	5.6	5.4	5.5	5.4	5.1	5.6	5.6	5.1	5.7	5.5
STALLION	5.2	5.7	6.3	5.2	5.1	5.6	5.5	5.3	5.5	5.6	5.4	5.8	5.5

TABLE 2.
(cont'd)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH
MONTH GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1992 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BARRAGE	5.3	5.7	6.0	5.5	5.3	5.7	5.4	5.1	5.7	5.0	4.7	5.1	5.5
CALIENTE	4.3	5.3	6.1	5.2	5.0	5.5	5.4	5.2	5.8	5.5	5.0	5.1	5.5
CLP 39	5.3	5.7	5.7	5.3	5.5	5.6	5.2	5.1	5.7	5.6	4.8	5.0	5.5
MOM LP 3184	5.2	6.0	6.4	5.5	5.1	5.5	5.4	5.2	5.9	5.5	5.0	5.2	5.5
C-21	5.0	5.7	6.1	5.5	5.4	5.5	5.2	5.0	6.0	5.7	5.3	6.1	5.5
BARRAGE ++	5.2	5.7	6.1	5.6	5.3	5.6	5.3	5.1	5.6	5.3	4.8	5.1	5.5
PR 9109	4.8	5.7	6.0	5.6	5.3	5.5	5.2	5.0	5.5	5.6	5.2	6.2	5.5
ZW 42-176	4.7	5.7	6.1	5.4	5.4	5.7	5.1	4.7	5.7	5.8	5.5	6.0	5.4
TAYA	5.0	5.3	6.1	5.7	5.6	5.6	5.2	4.9	5.6	5.2	4.5	5.0	5.4
ALLEGRO	5.3	5.3	6.0	5.4	5.1	5.8	5.3	4.9	5.7	5.5	5.1	5.6	5.4
OFI-D4	5.3	6.0	6.1	5.4	5.4	5.5	5.2	4.9	5.4	5.3	5.1	6.2	5.4
MULLIGAN (NK 89001)	4.8	6.0	5.5	5.1	4.9	5.6	5.4	5.2	5.5	5.5	5.3	5.6	5.4
BAR LP 852	4.8	6.3	5.9	5.3	4.9	5.4	5.3	4.8	5.6	5.6	5.4	5.3	5.4
DANILO	4.8	5.0	5.5	4.9	4.9	5.5	5.2	4.9	5.8	5.6	4.7	5.0	5.3
DUET	4.7	5.7	5.7	5.3	4.9	5.5	5.2	4.9	5.7	5.4	5.0	4.8	5.3
856	4.8	5.3	6.2	5.1	4.9	5.5	5.3	4.8	5.5	5.4	4.5	5.6	5.3
LORETTA	5.2	5.0	5.4	5.3	5.4	5.4	5.2	5.1	5.5	5.0	4.5	4.8	5.3
CLP 144	4.8	5.3	6.0	5.1	5.1	5.5	5.1	4.7	5.7	5.4	4.9	5.1	5.3
DANARO	5.2	5.3	5.5	4.6	4.7	5.5	5.2	4.8	5.6	5.4	5.0	4.3	5.2
MOM LP 3182	4.7	5.0	5.5	5.0	4.9	5.2	5.2	4.8	5.5	5.3	4.7	5.0	5.2
MOM LP 3185	5.3	5.0	5.9	4.9	4.9	5.5	5.3	5.0	5.4	5.0	4.7	4.9	5.2
ENTRAR	4.5	5.0	5.5	5.1	5.0	5.4	5.0	4.6	5.6	5.4	4.5	5.2	5.2
OVATION	5.0	5.0	5.6	4.9	4.9	5.3	5.2	4.8	5.4	5.2	4.7	4.7	5.2
TORONTO	4.7	5.0	4.9	4.7	4.8	5.3	5.1	4.7	5.4	5.2	4.6	4.7	5.1
SURPRISE	5.0	5.0	5.4	5.0	5.0	5.1	4.9	4.5	5.4	5.2	4.8	5.7	5.1
MOM LP 3111	4.8	5.3	5.7	4.6	4.4	5.1	4.9	4.8	5.4	5.1	4.5	4.9	5.0
PENNFINE	4.7	5.0	5.6	4.5	4.2	5.2	5.1	4.6	5.0	4.9	4.7	5.3	5.0
MOM LP 3179	4.2	5.0	5.5	4.7	4.7	5.2	5.0	4.5	5.0	4.9	4.4	4.0	5.0
TROUBADOUR	5.2	5.0	5.3	4.7	4.9	5.1	4.9	4.3	5.3	5.2	4.3	4.6	5.0
GOALIE	4.7	5.0	5.5	4.8	4.7	5.0	4.7	4.4	4.9	4.7	4.1	4.7	4.9
METEOR	5.5	5.3	5.1	4.8	4.6	5.3	4.8	4.3	4.9	4.9	4.3	5.1	4.9
CARTEL	5.3	6.0	5.3	4.8	4.7	5.0	4.6	4.3	5.2	4.9	4.3	4.6	4.8
LINN	4.0	4.0	4.0	2.5	3.1	3.6	3.5	3.2	3.5	3.2	3.0	3.1	3.5
LSD VALUE	0.9	0.7	0.9	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.7	1.1	0.4

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

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA 1/
1992 DATA

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

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1
AFFINITY (GEN-90)	16.5	79.0	70.5	55.0	18.0	9.0	1.0	9.0	29.5	61.5	67.5	22.5
ASSURE	7.5	31.5	8.5	9.0	83.0	71.5	6.0	17.5	10.5	17.5	39.0	68.5
NIGHTHAWK (WVPB-89PRA3)	32.5	62.0	37.0	14.5	10.5	36.5	19.0	17.5	13.5	77.5	6.0	3.0
STALLION SELECT (PS-105)	40.5	36.0	70.5	14.5	32.5	6.0	52.5	96.5	4.0	17.5	39.0	28.5
PALMER II (P89)	53.5	104.0	2.0	118.0	67.5	52.0	24.0	17.5	4.0	61.5	39.0	42.5
CUTTER (PICK 89-4)	2.5	62.0	4.0	28.5	118.0	2.0	24.0	9.0	16.5	4.0	118.5	22.5
PST-2ROR	1.0	79.0	70.5	21.5	13.5	.	47.5	35.5	13.5	4.0	3.0	42.5
PRIZM (ZES-28D)	7.5	98.0	15.0	19.5	110.0	36.5	28.0	17.5	22.0	61.5	91.0	58.0
PRELUDE II (2P2-90)	40.5	119.5	5.0	21.5	48.5	11.5	70.5	26.0	80.0	17.5	91.0	16.5
PST-28M	20.5	95.5	22.5	60.0	40.5	1.0	50.0	35.5	43.0	9.5	6.0	86.0
PST-290	53.5	41.5	15.0	42.0	36.0	30.0	66.5	4.0	18.5	30.0	16.5	5.5
BRIGHTSTAR (PST-GH-89)	22.0	116.5	1.0	1.0	44.5	75.5	10.5	1.5	54.5	116.5	67.5	49.5
PST-2FF	16.5	106.5	70.5	45.5	93.0	.	8.0	53.0	35.0	30.0	39.0	28.5
REPELL II (LDRD)	58.0	88.5	49.0	23.5	106.0	23.0	16.5	9.0	6.5	17.5	39.0	14.5
ADVENT	11.5	94.0	70.5	39.5	55.0	47.5	59.0	4.0	66.5	44.0	67.5	106.5
YORKTOWN III (LDRF)	4.5	111.0	56.0	39.5	77.0	3.0	106.0	26.0	22.0	17.5	107.0	75.0
PICK DKM	92.0	109.0	3.0	11.0	44.5	71.5	76.5	9.0	1.0	61.5	3.0	42.5
SR 4200	7.5	87.0	26.0	60.0	83.0	23.0	2.0	35.5	43.0	1.0	67.5	28.5
LEGACY	40.5	18.0	15.0	120.0	48.5	79.5	82.0	26.0	2.0	9.5	16.5	75.0
APM	53.5	62.0	12.5	74.5	106.0	36.5	59.0	17.5	70.0	61.5	39.0	96.5
SEVILLE	24.5	13.0	70.5	48.5	32.5	7.5	28.0	9.0	35.0	17.5	67.5	103.0
MOM LP 3147	40.5	74.5	30.0	45.5	15.5	43.5	16.5	17.5	18.5	17.5	107.0	49.5
ENVY	16.5	113.0	49.0	6.5	6.0	7.5	40.0	9.0	85.0	96.5	16.5	11.5
GETTYSBURG	61.0	84.0	43.5	102.0	44.5	23.0	44.5	1.5	54.5	61.5	16.5	116.5
PINNACLE	40.5	92.0	37.0	66.0	95.5	4.5	36.0	17.5	26.5	44.0	67.5	103.0
DELAWARE DWARF (4DD)	49.0	22.0	37.0	30.5	10.5	10.0	6.0	35.5	10.5	44.0	91.0	80.5
89-666	53.5	68.0	43.5	6.5	59.5	4.5	40.0	35.5	26.5	4.0	107.0	53.0
PICK EEC	105.5	116.5	70.5	45.5	83.0	47.5	32.0	17.5	13.5	30.0	3.0	19.5
DANDY	58.0	14.0	70.5	93.5	67.5	13.5	14.5	53.0	26.5	44.0	16.5	42.5
PST-2B3	11.5	92.0	26.0	112.0	1.0	36.5	76.5	9.0	32.5	121.0	91.0	49.5
MORNING STAR (SYN-P)	28.5	26.0	18.0	102.0	72.5	97.5	44.5	53.0	22.0	61.5	91.0	58.0
ZPS-2EZ	87.0	55.5	7.0	4.0	83.0	26.5	91.0	26.0	101.0	96.5	67.5	80.5
PICK 9100	40.5	109.0	70.5	5.0	101.0	36.5	44.5	35.5	9.0	30.0	67.5	28.5
PST-23C	40.5	119.5	83.5	.	114.5	.	10.5	44.0	59.5	61.5	67.5	49.5
ACHIEVER (PICK 1800)	24.5	97.0	11.0	104.5	120.0	18.5	50.0	17.5	13.5	44.0	16.5	58.0
QUICKSTART (PST-2FQR)	16.5	113.0	6.0	23.5	90.5	43.5	59.0	35.5	72.5	88.5	107.0	80.5
NAVAJO (EST-2DPR)	32.5	28.5	30.0	48.5	22.0	41.5	14.5	77.5	39.0	30.0	91.0	42.5
SHERWOOD	40.5	74.5	30.0	11.0	22.0	61.5	21.0	4.0	118.0	30.0	67.5	11.5
LOWGROW (PICK 89LLG)	16.5	104.0	70.5	11.0	30.5	.	82.0	26.0	103.5	77.5	67.5	1.0
EQUAL	58.0	30.0	43.5	69.5	106.0	67.5	101.5	26.0	16.5	17.5	16.5	91.5
MVF 89-90	49.0	20.0	88.0	19.5	12.0	26.5	24.0	88.0	82.5	44.0	39.0	19.5
PR 8820	49.0	28.5	70.5	79.0	27.5	52.0	36.0	35.5	50.5	77.5	91.0	8.5
PATRIOT II	92.0	55.5	56.0	2.0	83.0	41.5	110.0	77.5	48.0	9.5	16.5	16.5
BUCCANEER (KOOS 90-1)	40.5	79.0	10.0	93.5	62.5	23.0	40.0	65.5	22.0	61.5	67.5	103.0
PLEASURE	87.0	49.0	37.0	34.0	77.0	17.0	6.0	35.5	8.0	30.0	91.0	116.5

TABLE 3. (continued)

 RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
 1992 DATA

NAME	QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING											
	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1
PST-20G	92.0	123.0	22.5	3.0	62.5	18.5	47.5	53.0	96.5	106.5	67.5	14.5
EXPRESS	67.0	31.5	37.0	28.5	67.5	61.5	28.0	26.0	76.0	77.5	67.5	68.5
DIMENSION (2H7)	16.5	100.5	22.5	25.0	57.0	30.0	3.5	77.5	76.0	61.5	67.5	96.5
WVPB 89-92	7.5	84.0	93.5	74.5	3.0	13.5	10.5	102.5	29.5	17.5	67.5	5.5
TARGET	58.0	49.0	98.0	60.0	9.0	36.5	98.0	65.5	39.0	44.0	39.0	80.5
COMPETITOR	87.0	8.0	56.0	30.5	40.5	30.0	40.0	65.5	43.0	96.5	67.5	64.0
GATOR	11.5	36.0	106.5	8.0	18.0	.	59.0	65.5	22.0	77.5	39.0	68.5
CHARGER	92.0	51.5	30.0	90.5	59.5	77.0	32.0	53.0	50.5	88.5	16.5	75.0
SATURN	28.5	100.5	80.0	69.5	2.0	23.0	79.0	17.5	54.5	44.0	67.5	91.5
OFI-F7	78.5	36.0	49.0	85.0	67.5	30.0	19.0	44.0	35.0	96.5	67.5	86.0
PEBBLE BEACH	78.5	71.0	37.0	16.5	22.0	88.0	63.5	96.5	62.0	30.0	16.5	58.0
NOMAD	32.5	3.0	43.5	107.0	7.5	52.0	106.0	35.5	50.5	106.5	67.5	68.5
HE 311	24.5	74.5	83.5	79.0	18.0	20.0	89.0	35.5	66.5	2.0	107.0	96.5
MANHATTAN II (E)	78.5	20.0	88.0	34.0	48.5	.	70.5	65.5	72.5	6.5	118.5	91.5
KOOS 90-2	40.5	68.0	22.5	64.0	97.5	59.5	13.0	44.0	62.0	61.5	39.0	103.0
PR 9121	11.5	41.5	101.5	97.5	83.0	94.5	108.0	44.0	103.5	84.0	39.0	5.5
FIESTA II	78.5	36.0	56.0	51.0	27.5	85.0	40.0	53.0	50.5	30.0	67.5	49.5
PR 9119	49.0	55.5	56.0	64.0	36.0	.	74.0	96.5	32.5	61.5	107.0	19.5
COWBOY II (WM-II)	64.0	121.0	30.0	34.0	4.5	71.5	54.5	53.0	91.0	30.0	1.0	5.5
WVPB-89-87A	32.5	95.5	49.0	119.0	52.5	36.5	85.5	65.5	26.5	77.5	16.5	99.5
ELITE (WVPB-88PRC23)	78.5	46.5	37.0	16.5	13.5	83.0	66.5	65.5	57.5	30.0	107.0	36.0
REPELL	4.5	100.5	70.5	51.0	48.5	11.5	79.0	65.5	39.0	44.0	16.5	36.0
EVENING SHADE (POLY-SH)	78.5	106.5	61.0	108.5	40.5	96.0	115.5	44.0	6.5	30.0	67.5	28.5
COMMANDER	70.5	74.5	93.5	34.0	119.0	79.5	94.5	77.5	4.0	61.5	107.0	28.5
STATESMAN (WVPB-88PRD12)	70.5	41.5	96.0	67.5	36.0	.	101.5	53.0	66.5	61.5	67.5	42.5
PENNANT	20.5	15.0	56.0	99.5	52.5	.	32.0	53.0	120.0	77.5	16.5	116.5
RODEO II	40.5	62.0	18.0	116.0	97.5	15.5	94.5	77.5	78.0	30.0	39.0	42.5
RIVIERA	70.5	33.0	101.5	85.0	52.5	64.5	32.0	65.5	66.5	9.5	91.0	86.0
TOPEKA (WVPB-88PRD10)	78.5	4.0	49.0	55.0	114.5	.	89.0	77.5	62.0	44.0	39.0	75.0
DERBY SUPREME	28.5	49.0	61.0	67.5	88.0	71.5	89.0	77.5	66.5	96.5	118.5	42.5
EEG 358	70.5	5.5	80.0	26.5	27.5	83.0	74.0	102.5	82.5	106.5	39.0	28.5
CUTLESS	64.0	8.0	70.5	95.5	30.5	64.5	85.5	53.0	96.5	106.5	67.5	58.0
PR 9118	105.5	71.0	18.0	114.0	77.0	30.0	70.5	77.5	89.0	61.5	91.0	64.0
CALYPSO	64.0	16.5	80.0	45.5	27.5	57.0	101.5	88.0	80.0	17.5	39.0	75.0
N-33	40.5	115.0	8.5	106.0	44.5	15.5	44.5	53.0	39.0	113.0	39.0	86.0
BAR LP 086FL	78.5	51.5	61.0	13.0	62.5	57.0	109.0	53.0	98.5	77.5	67.5	36.0
LINDSAY	49.0	92.0	98.0	37.0	4.5	86.0	85.5	65.5	31.0	37.0	107.0	75.0
ACCOLADE	64.0	79.0	56.0	34.0	72.5	94.5	50.0	35.5	85.0	77.5	39.0	68.5
UNKNOWN	78.5	109.0	88.0	60.0	67.5	.	117.0	53.0	72.5	17.5	39.0	58.0
PREMIER	2.5	53.0	108.0	85.0	83.0	.	97.0	77.5	46.0	88.5	67.5	36.0
CITATION II	58.0	44.5	109.5	108.5	52.5	.	59.0	65.5	89.0	88.5	91.0	11.5
PR 9108	78.5	58.0	20.0	79.0	116.5	.	10.5	65.5	46.0	88.5	91.0	86.0
REGAL	98.0	84.0	37.0	64.0	36.0	.	70.5	96.5	46.0	77.5	39.0	106.5
MVF 89-88	95.0	113.0	12.5	72.0	106.0	79.5	66.5	88.0	39.0	44.0	39.0	49.5
STALLION	24.5	39.0	98.0	121.0	62.5	.	94.5	88.0	59.5	17.5	91.0	94.0

TABLE 3. (continued)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1992 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	CO1	DC1	IA1	ID2	ID3	IL1	IL2	KS2	KY1	MD1	MI1	NE1
BARRAGE	102.0	5.5	93.5	79.0	57.0	.	32.0	77.5	76.0	77.5	39.0	28.5
CALIENTE	96.0	10.0	115.5	43.0	101.0	71.5	85.5	77.5	92.5	44.0	107.0	86.0
CLP 39	98.0	24.5	83.5	39.5	25.0	.	79.0	88.0	102.0	61.5	107.0	8.5
MOM LP 3184	110.0	24.5	113.0	90.5	93.0	52.0	3.5	88.0	57.5	116.5	118.5	96.5
C-21	87.0	100.5	83.5	117.0	95.5	47.5	24.0	102.5	54.5	88.5	39.0	58.0
BARRAGE ++	102.0	2.0	115.5	90.5	93.0	36.5	63.5	109.0	89.0	6.5	91.0	36.0
PR 9109	64.0	11.5	88.0	85.0	121.0	45.0	54.5	88.0	94.5	88.5	39.0	113.5
ZW 42-176	87.0	84.0	37.0	114.0	116.5	88.0	113.5	105.5	106.5	96.5	123.0	121.0
TAYA	102.0	27.0	101.5	55.0	110.0	90.5	74.0	96.5	98.5	96.5	39.0	19.5
ALLEGRO	102.0	11.5	49.0	26.5	72.5	90.5	94.5	102.5	92.5	106.5	107.0	28.5
OFI-D4	70.5	62.0	91.0	110.5	101.0	52.0	106.0	77.5	80.0	88.5	67.5	28.5
MULLIGAN (NK 89001)	102.0	20.0	105.0	114.0	110.0	47.5	52.5	88.0	111.5	61.5	67.5	119.5
BAR LP 852	70.5	46.5	70.5	95.5	113.0	79.5	111.0	117.5	85.0	106.5	16.5	116.5
DANILO	98.0	44.5	101.5	18.0	7.5	64.5	59.0	88.0	94.5	44.0	39.0	58.0
DUET	84.0	84.0	49.0	97.5	122.0	64.5	36.0	96.5	109.0	116.5	16.5	86.0
856	28.5	118.0	88.0	102.0	22.0	67.5	59.0	114.0	72.5	77.5	91.0	113.5
LORETTA	115.0	1.0	117.0	55.0	36.0	.	101.5	96.5	108.0	61.5	16.5	75.0
CLP 144	111.5	88.5	114.0	88.0	15.5	92.5	24.0	114.0	100.0	106.5	107.0	2.0
DANARO	117.0	8.0	26.0	72.0	77.0	88.0	66.5	114.0	114.0	116.5	67.5	64.0
MOM LP 3185	113.0	36.0	120.0	99.5	77.0	.	19.0	96.5	66.5	106.5	91.0	99.5
MOM LP 3182	115.0	62.0	109.5	51.0	67.5	55.0	119.5	109.0	87.0	51.0	91.0	111.0
ENTRAR	92.0	41.5	70.5	60.0	99.0	57.0	82.0	109.0	106.5	106.5	107.0	91.5
OVATION	109.0	66.0	111.5	55.0	22.0	83.0	92.0	119.0	121.0	61.5	39.0	58.0
TORONTO	107.5	23.0	121.0	72.0	72.5	71.5	113.5	114.0	110.0	96.5	39.0	68.5
SURPRISE	107.5	16.5	93.5	90.5	88.0	97.5	119.5	122.0	113.0	106.5	118.5	103.0
MOM LP 3111	118.5	68.0	104.0	79.0	103.0	75.5	122.0	117.5	105.0	116.5	16.5	108.5
PENNFINE	111.5	104.0	106.5	110.5	106.0	.	118.0	114.0	118.0	61.5	16.5	111.0
MOM LP 3179	120.0	71.0	122.0	85.0	112.0	.	112.0	105.5	111.5	106.5	6.0	111.0
TROUBADOUR	118.5	55.5	118.0	39.5	40.5	59.5	115.5	120.0	116.0	116.5	118.5	11.5
GOALIE	115.0	90.0	70.5	79.0	57.0	.	121.0	109.0	118.0	106.5	67.5	119.5
METEOR	121.0	79.0	119.0	79.0	88.0	92.5	101.5	109.0	122.0	121.0	118.5	122.0
CARTEL	122.0	62.0	111.5	104.5	90.5	99.0	101.5	121.0	115.0	121.0	118.5	108.5
LINN	123.0	122.0	123.0	122.0	123.0	.	123.0	123.0	123.0	123.0	107.0	123.0

- 1/ THIS TABLE CONTAINS NO STATISTICAL VALUES (LSD VALUES) THEREFORE IT SHOULD ONLY BE USED TO DETERMINE THE GENERAL PERFORMANCE OF AN ENTRY OR ENTRIES ACROSS SEVERAL LOCATIONS OR REGIONS. TO ASSESS STATISTICAL DIFFERENCES AMONG ENTRIES, REFER TO THE MEANS AND LSD VALUES FOUND IN TABLE 1.
- 2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 3. (continued)

 RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
 1992 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	NJ1	NJ2	NJ3	OH2	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
AFFINITY (GEN-90)	20.5	20.0	39.0	9.5	2.0	4.5	7.5	14.5	5.0	57.0	2.0	1
ASSURE	39.5	34.0	10.0	1.5	29.5	8.0	45.0	5.0	19.0	2.5	19.5	2
NIGHTHAWK (WVPB-89PRA3)	4.0	10.5	12.5	33.0	42.0	45.5	40.0	12.0	78.0	46.5	9.5	3
STALLION SELECT (PS-105)	2.5	16.5	1.0	33.0	25.5	57.5	29.5	24.5	36.5	10.0	21.5	4
PALMER II (P89)	7.0	1.0	7.0	1.5	33.5	30.0	35.5	1.0	32.5	14.0	4.0	5
CUTTER (PICK 89-4)	9.0	18.5	3.0	114.0	42.0	15.0	62.5	7.5	5.0	17.0	56.0	6
PST-2ROR	11.0	9.0	19.5	63.0	29.5	6.0	23.5	51.5	58.5	26.5	28.0	7
PRIZM (ZES-28D)	5.5	5.0	24.5	33.0	11.0	1.0	3.0	4.0	21.5	91.5	13.5	8
PRELUDE II (2P2-90)	18.0	3.0	4.5	33.0	25.5	15.0	49.5	3.0	19.0	8.5	13.5	9
PST-28M	39.5	7.5	4.5	9.5	55.5	4.5	23.5	10.0	9.5	99.5	17.0	10
PST-290	36.0	7.5	16.0	114.0	42.0	15.0	52.0	18.5	16.5	6.0	42.5	11
BRIGHTSTAR (PST-GH-89)	16.0	2.0	2.0	63.0	69.0	51.0	121.0	2.0	71.5	32.5	1.0	12
PST-2FF	1.0	13.5	7.0	9.5	51.5	3.0	85.5	17.0	19.0	26.5	25.5	13
REPELL II (LDRD)	20.5	4.0	10.0	33.0	25.5	27.0	69.5	24.5	46.0	63.0	35.5	14
ADVENT	12.0	6.0	24.5	33.0	10.0	7.0	19.0	11.0	8.0	12.0	42.5	15
YORKTOWN III (LDRF)	28.5	27.5	19.5	33.0	5.0	33.0	23.5	7.5	5.0	2.5	51.0	16
PICK DKM	28.5	30.0	24.5	92.0	37.0	19.0	66.5	20.0	23.5	8.5	4.0	17
SR 4200	5.5	37.0	10.0	92.0	16.0	25.0	35.5	16.0	66.5	32.5	6.5	18
LEGACY	9.0	16.5	16.0	9.5	37.0	15.0	45.0	7.5	62.5	21.0	21.5	19
APM	33.0	18.5	30.0	9.5	3.0	10.0	11.0	13.0	1.0	75.0	30.5	20
SEVILLE	45.5	21.0	51.5	92.0	49.0	29.0	27.5	14.5	32.5	46.5	51.0	21
MOM LP 3147	22.0	33.0	30.0	92.0	7.0	11.0	40.0	53.0	58.5	23.0	35.5	22
ENVY	33.0	50.0	33.5	33.0	37.0	24.0	16.0	62.0	50.0	39.5	42.5	23
GETTYSBURG	2.5	15.0	7.0	92.0	102.5	62.0	1.0	7.5	27.0	46.5	56.0	24
PINNACLE	9.0	24.5	51.5	92.0	66.0	75.5	7.5	24.5	2.0	26.5	8.0	25
DELAWARE DWARF (4DD)	36.0	22.5	79.5	114.0	22.0	45.5	32.0	28.5	48.0	37.0	83.0	26
89-666	18.0	36.0	39.0	63.0	114.0	82.5	11.0	31.0	13.0	46.5	13.5	27
PICK EEC	28.5	27.5	24.5	92.0	58.0	9.0	54.5	32.0	54.0	1.0	9.5	28
DANDY	39.5	29.0	24.5	92.0	33.5	36.0	23.5	43.5	13.0	32.5	63.5	29
PST-2B3	25.0	22.5	39.0	33.0	61.0	21.0	14.0	28.5	29.0	75.0	35.5	30
MORNING STAR (SYN-P)	13.0	13.5	16.0	63.0	22.0	55.0	5.0	18.5	50.0	57.0	18.0	31
ZPS-2EZ	14.5	41.5	14.0	33.0	76.0	15.0	27.5	36.5	36.5	4.0	35.5	32
PICK 9100	31.0	12.0	30.0	92.0	96.5	19.0	91.0	24.5	42.5	12.0	56.0	33
PST-23C	23.0	24.5	24.5	33.0	14.5	40.5	45.0	28.5	42.5	46.5	16.0	34
ACHIEVER (PICK 1800)	14.5	39.5	39.0	9.5	87.5	45.5	62.5	21.0	3.0	91.5	23.5	35
QUICKSTART (PST-2FQR)	18.0	10.5	12.5	33.0	82.5	19.0	5.0	22.0	119.0	75.0	63.5	36
NAVAJO (PST-2DPR)	52.0	39.5	39.0	63.0	4.0	22.5	16.0	41.0	116.0	63.0	42.5	37
SHERWOOD	54.0	59.5	33.5	63.0	6.0	51.0	66.5	43.5	23.5	17.0	47.0	38
LOWGROW (PICK 89LLG)	45.5	52.0	33.5	33.0	18.5	37.5	102.5	59.0	16.5	12.0	63.5	39
EQUAL	33.0	38.0	58.5	63.0	18.5	57.5	19.0	38.0	25.5	32.5	70.5	40
MVF 89-90	43.0	67.0	24.5	92.0	51.5	70.0	45.0	48.5	99.5	6.0	11.0	41
PR 8820	52.0	74.0	79.5	92.0	1.0	2.0	80.5	75.5	9.5	37.0	28.0	42
PATRIOT II	64.0	48.0	45.0	9.5	37.0	22.5	54.5	64.0	117.0	21.0	42.5	43
BUCCANEER (KOOS 90-1)	25.0	26.0	45.0	33.0	117.5	60.0	16.0	34.0	29.0	26.5	83.0	44
PLEASURE	45.5	71.0	51.5	63.0	106.5	96.0	19.0	50.0	7.0	6.0	104.5	45

TABLE 3. (continued)

 RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
 GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
 1992 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	NJ1	NJ2	NJ3	OH2	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
PST-20G	66.0	45.5	72.5	33.0	18.5	55.0	35.5	46.0	35.0	82.5	13.5	46
EXPRESS	28.5	43.0	51.5	33.0	108.0	66.5	49.5	36.5	42.5	82.5	83.0	47
DIMENSION (2H7)	36.0	31.5	67.0	33.0	72.5	33.0	40.0	62.0	86.5	113.0	35.5	48
WVPB 89-92	48.0	69.0	45.0	63.0	14.5	40.5	76.0	90.0	50.0	97.0	73.5	49
TARGET	42.0	31.5	33.5	63.0	104.5	51.0	58.0	34.0	92.0	82.5	51.0	50
COMPETITOR	67.5	71.0	51.5	114.0	8.0	64.0	9.0	34.0	99.5	57.0	96.5	51
GATOR	79.5	67.0	85.5	63.0	32.0	45.5	80.5	67.0	25.5	67.5	72.0	52
CHARGER	52.0	41.5	45.0	9.5	37.0	12.0	32.0	105.5	80.0	21.0	56.0	53
SATURN	49.5	53.0	51.5	33.0	90.0	75.5	62.5	43.5	99.5	46.5	30.5	54
OFI-F7	25.0	45.5	39.0	92.0	100.0	68.5	69.5	43.5	66.5	57.0	63.5	55
PEBBLE BEACH	71.0	61.0	51.5	9.5	55.5	45.5	11.0	60.0	80.0	32.5	96.5	56
NOMAD	64.0	56.5	76.0	9.5	74.5	27.0	35.5	97.0	92.0	91.5	6.5	57
HE 311	87.0	47.0	24.5	63.0	29.5	35.0	13.0	91.0	52.0	75.0	104.5	58
MANHATTAN II (E)	57.0	75.0	58.5	33.0	109.5	51.0	45.0	47.0	29.0	17.0	35.5	59
KOOS 90-2	49.5	63.0	39.0	114.0	85.5	39.0	2.0	28.5	74.0	91.5	63.5	60
PR 9121	71.0	50.0	58.5	92.0	18.5	33.0	29.5	48.5	13.0	32.5	23.5	61
FIESTA II	74.5	58.0	67.0	92.0	63.0	42.0	54.5	75.5	58.5	26.5	25.5	62
PR 9119	39.5	50.0	62.5	122.0	77.5	31.0	73.0	39.5	76.5	57.0	87.5	63
COWBOY II (WM-II)	71.0	73.0	67.0	63.0	12.0	45.5	91.0	99.5	92.0	46.5	76.0	64
WVPB-89-87A	45.5	35.0	45.0	92.0	93.0	60.0	23.5	51.5	92.0	57.0	51.0	65
ELITE (WVPB-88PRC23)	71.0	85.5	96.5	92.0	9.0	27.0	73.0	82.0	54.0	46.5	19.5	66
REPELL	90.0	80.5	79.5	63.0	55.5	84.5	107.0	57.5	21.5	46.5	63.5	67
EVENING SHADE (POLY-SH)	57.0	56.5	18.0	33.0	44.0	37.5	77.0	65.0	106.0	91.5	47.0	68
COMMANDER	60.5	55.0	79.5	9.5	77.5	55.0	62.5	69.0	58.5	17.0	79.0	69
STATESMAN (WVPB-88PRD12)	57.0	64.5	85.5	63.0	93.0	64.0	23.5	84.0	103.0	46.5	63.5	70
PENNANT	62.0	78.0	67.0	33.0	69.0	104.5	40.0	82.0	46.0	26.5	76.0	71
RODEO II	76.0	67.0	58.5	9.5	111.5	79.0	54.5	54.5	118.0	91.5	4.0	72
RIVIERA	74.5	54.0	76.0	63.0	96.5	88.5	95.5	57.5	13.0	39.5	113.0	73
TOPEKA (WVPB-88PRD10)	95.5	88.0	51.5	63.0	93.0	73.0	95.5	75.5	39.0	67.5	42.5	74
DERBY SUPREME	78.0	82.0	58.5	9.5	59.0	75.5	80.5	80.0	58.5	37.0	70.5	75
EEG 358	95.5	89.0	72.5	33.0	50.0	51.0	113.0	54.5	66.5	111.0	92.5	76
CUTLESS	71.0	80.5	85.5	92.0	69.0	60.0	58.0	69.0	74.0	67.5	35.5	77
PR 9118	57.0	59.5	85.5	92.0	64.0	79.0	58.0	39.5	66.5	57.0	28.0	78
CALYPSO	95.5	83.5	85.5	33.0	87.5	97.5	49.5	82.0	83.0	46.5	69.0	79
N-33	64.0	77.0	62.5	63.0	80.0	82.5	99.0	56.0	106.0	114.5	63.5	80
BAR LP 086FL	98.0	62.0	96.5	33.0	46.0	75.5	62.5	110.5	66.5	57.0	47.0	81
LINDSAY	87.0	64.5	92.5	63.0	72.5	66.5	101.0	93.0	70.0	82.5	51.0	82
ACCOLADE	60.5	93.5	67.0	92.0	82.5	64.0	88.0	78.0	80.0	86.0	73.5	83
UNKNOWN	82.0	71.0	67.0	63.0	22.0	86.5	85.5	99.5	76.5	63.0	.	84
PREMIER	79.5	98.0	58.5	92.0	100.0	94.5	99.0	88.0	39.0	91.5	99.5	85
CITATION II	89.0	76.0	98.0	33.0	96.5	92.0	69.5	73.0	103.0	67.5	87.5	86
PR 9108	77.0	96.0	85.5	114.0	53.0	84.5	115.0	87.0	83.0	75.0	35.5	87
REGAL	84.0	83.5	72.5	114.0	120.0	115.5	62.5	71.5	32.5	17.0	104.5	88
MVF 89-88	85.0	93.5	67.0	114.0	106.5	79.0	80.5	92.0	54.0	75.0	87.5	89
STALLION	82.0	91.0	85.5	92.0	65.0	92.0	73.0	71.5	96.5	82.5	83.0	90

TABLE 3. (continued)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
GROWN AT TWENTY-THREE LOCATIONS IN THE U.S. AND CANADA
1992 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	NJ1	NJ2	NJ3	OH2	OR7	OR9	RI1	UB1	VA1	WA1	WA3	MEAN
BARRAGE	108.5	105.0	118.5	33.0	69.0	101.5	102.5	86.0	86.5	99.5	83.0	91
CALIENTE	92.5	100.0	72.5	63.0	119.0	119.5	32.0	75.5	39.0	75.0	56.0	92
CLP 39	108.5	111.5	109.0	33.0	40.0	81.0	78.0	103.0	86.5	102.5	76.0	93
MOM LP 3184	91.0	90.0	90.5	63.0	80.0	99.0	107.0	96.0	46.0	67.5	79.0	94
C-21	92.5	79.0	76.0	114.0	29.5	71.5	95.5	94.5	86.5	102.5	92.5	95
BARRAGE ++	110.5	106.0	109.0	33.0	45.0	92.0	107.0	66.0	13.0	108.0	110.0	96
PR 9109	87.0	85.5	94.5	92.0	47.5	90.0	99.0	69.0	92.0	120.0	117.0	97
ZW 42-176	57.0	44.0	85.5	9.5	113.0	71.5	5.0	98.0	58.5	82.5	63.5	98
TAYA	102.5	97.0	101.0	63.0	61.0	104.5	49.5	85.0	74.0	105.0	87.5	99
ALLEGRO	106.0	102.5	101.0	92.0	25.5	68.5	95.5	107.0	106.0	91.5	63.5	100
OFI-D4	99.0	93.5	104.5	92.0	80.0	88.5	83.0	79.0	111.5	91.5	113.0	101
MULLIGAN (NK 89001)	67.5	87.0	92.5	114.0	116.0	100.0	85.5	62.0	42.5	75.0	107.5	102
BAR LP 852	82.0	102.5	109.0	63.0	84.0	103.0	40.0	89.0	32.5	67.5	104.5	103
DANILO	117.0	101.0	104.5	92.0	117.5	108.5	91.0	118.0	99.5	75.0	99.5	104
DUET	100.0	93.5	90.5	92.0	90.0	86.5	107.0	101.0	114.0	57.0	92.5	105
856	102.5	107.5	94.5	63.0	104.5	110.0	107.0	110.5	66.5	46.5	92.5	106
LORETTA	112.0	119.0	121.0	114.0	55.5	113.0	117.5	105.5	71.5	116.5	99.5	107
CLP 144	107.0	111.5	118.5	92.0	13.0	94.5	115.0	104.0	111.5	108.0	99.5	108
DANARO	110.5	113.5	104.5	33.0	47.5	113.0	120.0	119.0	92.0	108.0	102.0	109
MOM LP 3185	104.5	113.5	115.5	92.0	85.5	107.0	119.0	102.0	103.0	116.5	92.5	110
MOM LP 3182	101.0	117.0	113.0	63.0	100.0	117.0	91.0	94.5	92.0	119.0	113.0	111
ENTRAR	104.5	104.0	99.0	114.0	109.5	97.5	111.5	113.0	120.0	111.0	116.0	112
OVATION	115.5	122.0	109.0	114.0	74.5	111.0	69.5	109.0	83.0	114.5	92.5	113
TORONTO	113.0	109.0	109.0	92.0	96.5	115.5	111.5	116.0	62.5	121.0	113.0	114
SURPRISE	118.0	99.0	104.5	33.0	102.5	101.5	115.0	115.0	111.5	105.0	109.0	115
MOM LP 3111	119.0	115.5	113.0	33.0	90.0	106.0	75.0	121.0	109.0	118.0	107.5	116
PENNFINE	95.5	107.5	113.0	92.0	121.0	122.0	85.5	108.0	96.5	105.0	.	117
MOM LP 3179	114.0	120.0	115.5	33.0	115.0	121.0	91.0	117.0	108.0	99.5	113.0	118
TROUBADOUR	122.0	115.5	118.5	33.0	69.0	113.0	122.0	114.0	122.0	122.0	118.0	119
GOALIE	115.5	121.0	118.5	63.0	122.0	119.5	117.5	112.0	121.0	111.0	120.0	120
METEOR	121.0	118.0	101.0	92.0	61.0	108.5	107.0	122.0	111.5	99.5	119.0	121
CARTEL	120.0	110.0	122.0	122.0	111.5	118.0	107.0	120.0	115.0	91.5	79.0	122
LINN	123.0	123.0	123.0	122.0	123.0	123.0	123.0	123.0	123.0	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. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	ID2	ID3	NE1	NJ3	OR9	WA3	MEAN
BRIGHTSTAR (PST-GH-89)	9.0	8.0	6.0	6.7	8.0	8.7	7.7
PALMER II (P89)	7.3	8.0	6.3	6.7	8.0	9.0	7.6
PICK DKM	8.3	7.7	6.0	6.7	7.0	9.0	7.4
STALLION SELECT (PS-105)	8.7	7.0	6.3	6.7	7.0	8.3	7.3
EVENING SHADE (POLY-SH)	8.0	7.7	6.3	6.7	7.7	7.7	7.3
NIGHTHAWK (WVPB-89PRA3)	7.7	7.0	6.7	7.0	7.3	8.0	7.3
PICK 9100	9.0	7.0	6.0	6.3	7.0	8.3	7.3
ZPS-2EZ	8.7	7.7	5.7	6.3	7.0	8.3	7.3
GETTYSBURG	7.7	7.3	6.3	6.7	7.3	8.0	7.2
CUTTER (PICK 89-4)	7.7	7.3	6.3	7.0	7.0	8.0	7.2
REPELL II (LDRD)	8.0	7.7	6.0	6.7	7.3	7.3	7.2
PICK EEC	7.7	7.7	6.3	6.3	7.3	7.7	7.2
PST-2FF	7.3	7.0	6.0	6.7	7.0	8.3	7.1
PST-28M	7.3	7.0	6.0	6.3	7.0	8.7	7.1
ACHIEVER (PICK 1800)	7.7	7.7	6.0	6.0	6.7	8.0	7.0
PST-2OG	8.7	7.7	5.3	5.3	7.0	8.0	7.0
PRIZM (ZPS-28D)	8.0	7.3	5.7	6.0	7.3	7.7	7.0
QUICKSTART (PST-2FQR)	8.0	7.0	6.0	6.3	7.0	7.7	7.0
ASSURE	7.7	7.0	6.0	6.0	7.0	8.0	6.9
LOWGROW (PICK 89LLG)	8.0	7.0	6.0	5.7	6.7	8.3	6.9
PST-290	7.7	7.0	6.0	6.0	6.7	8.3	6.9
ENVY	7.7	7.3	5.7	6.3	6.7	8.0	6.9
YORKTOWN III (LDRF)	7.7	7.0	6.0	6.0	7.0	7.7	6.9
BUCCANEER (KOOS 90-1)	7.3	7.0	6.0	6.0	7.0	8.0	6.9
PRELUDE II (2P2-90)	7.7	7.0	6.0	4.7	7.3	8.3	6.8
SR 4200	7.0	7.0	5.7	6.3	7.0	8.0	6.8
TARGET	8.0	7.3	5.3	5.7	6.7	8.0	6.8
NAVAJO (PST-2DPR)	7.3	7.7	6.0	5.3	7.0	7.7	6.8
PST-23C	.	6.7	6.0	6.0	7.0	8.3	6.8
AFFINITY (GEN-90)	7.3	6.7	6.0	5.7	7.0	8.0	6.8
PR 9108	7.7	6.7	5.7	5.7	6.7	8.3	6.8
ADVENT	8.0	6.3	5.3	5.7	6.7	8.7	6.8
MQM LP 3147	7.3	7.3	5.7	5.7	7.0	7.7	6.8
ARM	7.7	6.7	5.3	5.7	7.0	8.0	6.7
LEGACY	6.7	7.0	6.0	6.0	7.0	7.7	6.7
MORNING STAR (SYN-P)	6.3	7.0	5.7	6.7	7.0	7.7	6.7
PR 9121	7.3	6.3	6.3	5.3	6.7	8.3	6.7
PST-2ROR	7.7	6.7	5.7	5.7	6.7	8.0	6.7
COWBOY II (WM-II)	7.3	6.3	6.0	5.7	7.0	8.0	6.7
DELAWARE DWARF (4DD)	7.0	7.0	6.0	5.3	7.0	8.0	6.7
PEBBLE BEACH	8.0	7.0	5.3	5.3	7.0	7.7	6.7
PINNACLE	7.3	6.7	5.3	5.3	7.3	8.3	6.7
PST-2B3	7.3	7.0	5.3	5.7	7.0	8.0	6.7
WVPB-89-87A	6.3	7.0	6.0	6.0	7.0	8.0	6.7
DIMENSION (2H7)	7.3	6.3	6.0	5.0	7.3	8.0	6.7

TABLE 4. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	ID2	ID3	NE1	NJ3	OR9	WA3	MEAN
KOOS 90-2	8.0	6.3	5.7	5.7	6.7	7.7	6.7
MVF 89-90	7.3	6.7	6.0	5.7	6.7	7.7	6.7
SEVILLE	7.7	6.7	5.3	5.7	7.0	7.7	6.7
PR 8820	7.3	7.3	5.7	5.0	7.0	7.7	6.7
DANDY	6.7	7.0	6.0	6.0	7.0	7.0	6.6
RODEO II	7.0	7.0	6.0	5.0	6.7	8.0	6.6
EXPRESS	7.0	7.0	5.3	5.3	7.0	8.0	6.6
MANHATTAN II (E)	7.3	6.3	6.0	5.7	6.7	7.7	6.6
PATRIOT II	8.0	7.0	5.3	5.3	6.3	7.7	6.6
REGAL	7.0	6.7	5.7	5.7	7.0	7.7	6.6
OFI-F7	7.0	6.7	5.7	6.0	6.7	7.3	6.6
PR 9118	6.7	7.0	5.7	5.0	7.0	8.0	6.6
PLEASURE	7.3	7.0	5.3	6.0	6.7	7.0	6.6
COMPETITOR	7.0	7.0	5.7	5.3	6.3	7.7	6.5
WVPB 89-92	7.0	6.3	6.0	5.7	7.0	7.0	6.5
NOMAD	7.0	6.7	5.3	5.7	6.7	7.3	6.4
SHERWOOD	7.7	7.0	5.7	5.0	6.3	7.0	6.4
89-666	7.7	6.3	5.3	5.0	6.7	7.7	6.4
BAR LP 086FL	7.3	7.0	5.7	4.3	7.0	7.3	6.4
N-33	6.7	6.7	5.7	5.3	6.7	7.7	6.4
PR 9119	7.0	6.0	6.0	5.3	6.3	8.0	6.4
TOPEKA (WVPB-88PRD10)	7.0	6.3	5.3	5.3	6.7	8.0	6.4
DERBY SUPREME	7.0	6.0	5.7	5.0	6.7	8.0	6.4
EQUAL	7.0	6.7	5.3	5.3	6.7	7.3	6.4
PR 9109	7.0	7.0	5.7	4.3	6.7	7.7	6.4
STATESMAN (WVPB-88PRD12)	7.3	6.3	5.3	5.7	6.7	7.0	6.4
ZW 42-176	6.7	6.7	5.7	5.0	7.0	7.3	6.4
SATURN	7.3	6.3	5.0	5.0	7.0	7.7	6.4
CHARGER	7.0	6.0	5.0	5.3	7.3	7.3	6.3
FIESTA II	7.0	6.3	6.0	5.3	6.3	7.0	6.3
HE 311	7.0	6.3	5.7	5.7	6.7	6.7	6.3
PENNANT	6.7	6.3	5.7	5.3	6.7	7.3	6.3
COMMANDER	7.3	6.7	5.3	5.0	6.3	7.0	6.3
ACCOLADE	6.7	6.3	5.3	5.0	6.7	7.3	6.2
BAR LP 852	7.3	6.7	5.3	4.7	5.7	7.7	6.2
CITATION II	6.7	6.7	5.0	4.7	6.7	7.7	6.2
DUET	6.7	7.3	5.7	4.7	6.0	7.0	6.2
PREMIER	6.7	6.3	5.3	5.3	6.3	7.3	6.2
GATOR	6.7	6.7	5.0	5.0	6.7	7.0	6.2
LINDSAY	6.7	6.0	5.7	5.0	6.7	7.0	6.2
MVF 89-88	6.7	6.3	5.3	4.7	6.7	7.0	6.1
RIVIERA	6.7	6.0	5.7	5.0	6.7	6.7	6.1
CALIENTE	6.7	5.7	5.3	5.0	6.3	7.3	6.1
CUTLESS	6.0	6.3	5.7	4.7	6.3	7.3	6.1
ELITE (WVPB-88PRC23)	6.7	5.3	6.0	4.7	6.7	7.0	6.1

TABLE 4. GENETIC COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN

NAME	ID2	ID3	NE1	NJ3	OR9	WA3	MEAN
C-21	6.0	5.7	5.7	4.3	6.7	7.7	6.0
EEG 358	6.7	5.7	5.7	5.0	6.0	7.0	6.0
REPELL	6.3	6.0	5.7	4.7	6.0	7.0	5.9
OFT-D4	6.3	6.3	6.0	4.3	6.0	6.7	5.9
ALLEGRO	6.7	5.3	6.0	4.0	6.0	7.3	5.9
CALYPSO	6.7	5.7	5.0	4.3	6.3	7.3	5.9
MCM LP 3184	6.0	6.0	5.0	4.3	6.0	8.0	5.9
856	6.0	6.3	5.3	5.0	6.0	6.3	5.8
UNKNOWN	6.7	6.0	5.3	4.7	6.3	.	5.8
CLP 39	6.0	5.7	5.7	4.3	6.0	6.7	5.7
TAYA	6.7	5.3	6.0	4.0	6.0	6.3	5.7
MCM LP 3182	6.3	6.7	5.0	4.3	6.0	6.0	5.7
GOALIE	6.3	6.7	4.3	4.0	5.7	7.0	5.7
STALLION	6.0	6.0	5.3	4.0	6.0	6.7	5.7
CLP 144	6.5	6.0	4.7	3.7	5.7	7.3	5.6
MULLIGAN (NK 89001)	6.0	5.7	4.7	4.3	6.0	7.0	5.6
BARRAGE	5.7	6.3	5.0	4.0	6.0	6.7	5.6
ENTRAR	5.7	5.0	5.3	4.3	5.7	7.3	5.6
DANARO	6.0	5.7	5.0	3.7	6.0	6.7	5.5
MCM LP 3185	5.7	6.0	5.0	4.0	6.0	6.3	5.5
BARRAGE ++	6.3	6.0	4.3	4.0	6.0	6.3	5.5
DANILO	6.0	5.7	4.7	3.3	6.0	7.0	5.4
METEOR	5.7	5.0	5.0	4.0	6.7	6.0	5.4
MCM LP 3111	6.0	5.3	5.0	4.0	6.0	5.7	5.3
OVATION	5.7	5.7	4.7	4.3	5.7	6.0	5.3
PENNFINE	5.7	6.3	4.7	4.0	5.7	.	5.3
CARTEL	5.3	5.3	4.7	3.7	5.7	6.3	5.2
LORETTA	5.7	5.7	4.3	3.7	5.7	6.0	5.2
MCM LP 3179	5.3	5.7	5.0	3.3	5.7	5.7	5.1
SURPRISE	5.7	5.3	4.7	3.3	5.3	5.7	5.0
TROUBADOUR	6.0	5.0	5.3	3.0	5.0	5.7	5.0
TORONTO	5.0	5.3	4.0	3.7	5.3	5.3	4.8
LINN	4.7	5.3	4.7	2.0	5.0	5.0	4.4
LSD VALUE	1.2	0.9	0.9	1.0	0.7	1.1	0.4

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

TABLE 5. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	ID2	ID3	OH2	RI1	WA3	MEAN
REGAL	6.3	6.7	5.7	5.0	5.7	5.9
KOOS 90-2	7.3	5.0	5.0	5.3	6.7	5.9
NAVAJO (PST-2DPR)	5.3	6.3	5.3	4.3	7.0	5.7
LINDSAY	6.3	5.7	5.3	4.0	6.7	5.6
STALLION SELECT (PS-105)	5.7	6.0	5.3	4.3	6.7	5.6
TOPEKA (WVPB-88PRD10)	6.3	4.7	5.3	5.0	6.7	5.6
DANDY	5.7	5.0	5.7	4.7	6.7	5.5
89-666	6.3	4.3	5.3	5.0	6.7	5.5
AFFINITY (GEN-90)	4.7	5.3	6.0	5.0	6.7	5.5
DIMENSION (2H7)	5.3	5.3	5.3	4.7	7.0	5.5
GETTYSBURG	6.0	4.0	5.3	5.7	6.7	5.5
MORNING STAR (SYN-P)	6.0	4.7	5.7	5.0	6.3	5.5
NIGHTHAWK (WVPB-89PRA3)	5.7	5.3	5.0	5.0	6.7	5.5
QUICKSTART (PST-2FQR)	5.7	4.3	6.0	5.3	6.3	5.5
REPELL II (LDRD)	5.7	4.0	5.7	5.0	7.3	5.5
WVPB-89-87A	5.7	6.0	5.3	4.3	6.3	5.5
COMMANDER	6.3	5.3	5.7	3.7	6.3	5.5
FIESTA II	6.7	4.3	5.0	5.3	6.0	5.5
MOM LP 3147	5.7	5.7	5.3	4.0	6.7	5.5
MVF 89-90	5.7	4.7	5.7	4.3	7.0	5.5
PST-28M	5.0	5.7	5.3	4.7	6.7	5.5
PST-2FF	5.7	5.3	5.3	4.3	6.7	5.5
CHARGER	5.7	4.7	5.0	5.0	6.7	5.4
CUTTER (PICK 89-4)	5.7	5.3	5.0	4.7	6.3	5.4
EXPRESS	6.3	4.3	5.0	4.3	7.0	5.4
PRELUDE II (2P2-90)	6.7	4.0	5.0	4.3	7.0	5.4
CALYPSO	5.3	4.7	5.0	5.0	6.7	5.3
PICK EEC	5.7	4.3	5.7	4.3	6.7	5.3
PRIZM (ZPS-28D)	4.7	4.7	5.3	4.7	7.3	5.3
ACCOLADE	6.0	5.3	6.0	4.0	5.3	5.3
ASSURE	5.3	4.3	5.7	4.3	7.0	5.3
ELITE (WVPB-88PRC23)	5.3	4.7	4.7	4.7	7.0	5.3
ENVY	5.7	4.3	5.0	4.7	6.7	5.3
YORKTOWN III (LDRF)	5.7	4.0	5.0	4.7	7.0	5.3
EQUAL	6.0	5.3	5.0	4.3	5.7	5.3
PR 9121	5.0	4.0	5.3	5.0	7.0	5.3
PST-2OG	6.3	3.3	5.0	5.0	6.7	5.3
REPELL	5.7	4.3	5.3	4.7	6.3	5.3
PEBBLE BEACH	6.3	4.0	5.3	4.3	6.3	5.3
ACHIEVER (PICK 1800)	6.0	4.7	5.7	4.0	5.7	5.2
DERBY SUPREME	4.7	4.7	5.0	5.0	6.7	5.2
PR 9108	5.7	4.0	5.0	4.7	6.7	5.2
SATURN	5.0	4.7	5.0	4.7	6.7	5.2
APM	5.7	3.7	5.7	4.7	6.3	5.2
CITATION II	5.7	4.0	5.0	5.3	6.0	5.2

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	ID2	ID3	OH2	RI1	WA3	MEAN
MANHATTAN II (E)	5.7	4.3	5.0	4.7	6.3	5.2
PST-2B3	4.3	4.7	5.0	5.3	6.7	5.2
STATESMAN (WVPB-88FRD12)	5.7	4.3	5.0	5.0	6.0	5.2
ZPS-2EZ	5.7	4.0	5.0	5.0	6.3	5.2
OFI-F7	6.3	4.0	5.0	4.3	6.3	5.2
PINNACLE	5.0	4.7	5.7	3.7	6.7	5.1
ALLEGRO	4.7	4.7	5.3	4.7	6.3	5.1
BARRAGE	5.0	5.0	5.7	3.7	6.3	5.1
DELAWARE DWARF (4DD)	5.7	4.7	5.3	4.0	6.0	5.1
PICK 9100	5.7	4.0	5.7	4.0	6.3	5.1
PICK DKM	5.0	4.7	5.0	5.3	5.7	5.1
PLEASURE	6.7	4.7	5.0	4.3	5.0	5.1
PR 9119	5.7	4.7	5.7	4.0	5.7	5.1
SHERWOOD	5.7	3.7	5.3	4.0	7.0	5.1
BAR LP 852	4.0	5.0	5.3	5.0	6.3	5.1
SR 4200	5.3	4.7	5.3	4.3	6.0	5.1
ADVENT	5.7	4.3	4.7	4.0	6.7	5.1
MULLIGAN (NK 89001)	5.0	5.0	5.0	4.7	5.7	5.1
OVATION	5.3	3.7	5.0	4.7	6.7	5.1
STALLION	5.0	5.7	5.0	4.0	5.7	5.1
COWBOY II (WM-II)	4.7	5.0	5.3	4.3	6.0	5.1
EVENING SHADE (POLY-SH)	4.7	4.3	6.0	4.3	6.0	5.1
PALMER II (P89)	5.0	3.3	5.7	4.0	7.3	5.1
PR 9118	4.7	4.3	5.3	4.7	6.3	5.1
PREMIER	5.7	4.0	6.0	4.3	5.3	5.1
PST-290	5.7	4.7	5.0	3.7	6.3	5.1
TAYA	4.7	4.7	5.3	4.3	6.3	5.1
LORETTA	4.7	3.7	5.3	5.7	5.7	5.0
C-21	5.0	4.7	5.0	5.0	5.3	5.0
CLP 39	5.7	3.7	5.7	4.0	6.0	5.0
DANILO	5.0	4.7	5.3	4.7	5.3	5.0
GATOR	5.3	4.7	5.0	5.0	5.0	5.0
RIVIERA	6.0	4.7	5.0	4.0	5.3	5.0
RODEO II	5.0	4.7	5.0	4.0	6.3	5.0
LEGACY	4.3	5.0	5.3	4.0	6.3	5.0
PATRIOT II	5.7	3.3	5.3	4.3	6.3	5.0
BRIGHTSTAR (PST-GH-89)	4.5	3.3	4.7	5.0	7.3	5.0
EEG 358	6.0	4.7	5.0	3.3	5.7	4.9
N-33	5.7	4.0	5.0	3.7	6.3	4.9
SEVILLE	4.7	3.7	5.0	4.7	6.7	4.9
BUCCANEER (KOOS 90-1)	5.0	3.7	5.0	4.7	6.3	4.9
TORONTO	4.7	5.3	6.0	3.3	5.3	4.9
PR 8820	4.0	4.7	5.3	3.3	7.0	4.9
MOM LP 3184	5.0	5.0	5.0	4.0	5.3	4.9
PR 9109	6.0	4.7	5.3	3.3	5.0	4.9

TABLE 5. SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN

NAME	ID2	ID3	OH2	RI1	WA3	MEAN
PST-23C	.	3.3	5.0	4.3	6.7	4.8
PENNFINE	4.7	4.3	5.3	5.0	.	4.8
CALIENTE	5.0	3.3	5.0	5.0	5.7	4.8
COMPETITOR	4.7	5.0	5.0	3.7	5.7	4.8
MOM LP 3111	4.7	3.7	6.0	4.0	5.7	4.8
CUTLESS	4.3	3.7	5.0	4.3	6.7	4.8
PST-2ROR	4.7	4.7	5.0	3.7	6.0	4.8
ZW 42-176	5.3	4.3	4.7	4.0	5.7	4.8
BARRAGE ++	5.3	4.0	5.0	3.3	6.3	4.8
856	4.3	4.7	4.7	3.7	6.3	4.7
HE 311	5.7	3.0	5.3	4.0	5.7	4.7
MOM LP 3182	3.7	4.7	5.3	4.7	5.3	4.7
MOM LP 3185	4.7	4.3	4.7	4.3	5.7	4.7
OFI-D4	4.7	4.7	5.0	3.7	5.7	4.7
PENNANT	4.3	3.7	5.3	4.7	5.7	4.7
WVPB 89-92	4.7	4.7	4.3	3.7	6.3	4.7
ENTRAR	5.3	3.3	5.0	4.7	5.3	4.7
MVF 89-88	6.3	3.7	5.0	3.3	5.3	4.7
TARGET	4.3	4.0	5.0	4.3	6.0	4.7
SURPRISE	4.7	4.0	5.0	3.7	6.0	4.7
GOALIE	5.0	4.3	5.3	4.0	4.7	4.7
LOWGROW (PICK 89LLG)	4.3	4.7	5.0	3.3	6.0	4.7
UNKNOWN	4.7	3.7	5.3	4.7	.	4.6
CLP 144	4.0	3.7	5.0	4.3	5.7	4.5
DUET	4.0	4.7	4.0	3.7	6.0	4.5
NOMAD	5.0	3.7	4.7	3.3	5.7	4.5
BAR LP 086FL	4.3	3.3	4.3	3.7	6.3	4.4
LINN	4.3	5.3	4.3	4.0	4.0	4.4
MOM LP 3179	4.3	3.3	4.7	4.3	5.3	4.4
DANARO	4.7	3.7	4.0	3.7	5.7	4.3
TROUBADOUR	4.0	2.7	4.7	5.0	5.3	4.3
CARTEL	4.0	3.7	3.7	4.3	5.7	4.3
METEOR	4.3	4.0	4.3	3.7	5.0	4.3
LSD VALUE	1.7	1.6	0.9	1.7	1.3	0.6

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

TABLE 6. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	NJ3	MEAN
ASSURE	6.7	6.7
LOWGROW (PICK 89LLG)	6.7	6.7
WVPB 89-92	6.7	6.7
PRIZM (ZPS-28D)	6.7	6.7
AFFINITY (GEN-90)	6.3	6.3
BRIGHTSTAR (PST-GH-89)	6.3	6.3
ELITE (WVPB-88PRC23)	6.3	6.3
GETTYSBURG	6.3	6.3
LEGACY	6.3	6.3
PICK DKM	6.3	6.3
PINNACLE	6.3	6.3
PRELUDE II (2P2-90)	6.3	6.3
PST-28M	6.3	6.3
PST-290	6.3	6.3
PST-2FF	6.3	6.3
QUICKSTART (PST-2FQR)	6.3	6.3
REPELL II (LDRD)	6.3	6.3
89-666	6.0	6.0
ACCOIADE	6.0	6.0
ACHIEVER (PICK 1800)	6.0	6.0
ADVENT	6.0	6.0
COWBOY II (WM-II)	6.0	6.0
DANILLO	6.0	6.0
ENVY	6.0	6.0
EVENING SHADE (POLY-SH)	6.0	6.0
GATOR	6.0	6.0
HE 311	6.0	6.0
BUCCANEER (KOOS 90-1)	6.0	6.0
KOOS 90-2	6.0	6.0
LINDSAY	6.0	6.0
MORNING STAR (SYN-P)	6.0	6.0
PALMER II (P89)	6.0	6.0
PICK 9100	6.0	6.0
PICK EEC	6.0	6.0
PST-2B3	6.0	6.0
RODEO II	6.0	6.0
SR 4200	6.0	6.0
WVPB-89-87A	6.0	6.0
YORKTOWN III (LDRF)	6.0	6.0
ZW 42-176	6.0	6.0
ALLEGRO	5.7	5.7
APM	5.7	5.7
BAR IP 086FL	5.7	5.7
BAR IP 852	5.7	5.7
CHARGER	5.7	5.7

LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	NJ3	MEAN
CLP 144	5.7	5.7
COMPETITOR	5.7	5.7
CUTLESS	5.7	5.7
CUTTER (PICK 89-4)	5.7	5.7
DANDY	5.7	5.7
DELAWARE DWARF (4DD)	5.7	5.7
DERBY SUPREME	5.7	5.7
DIMENSION (2H7)	5.7	5.7
EQUAL	5.7	5.7
PR 8820	5.7	5.7
EXPRESS	5.7	5.7
FIESTA II	5.7	5.7
N-33	5.7	5.7
NAVAJO (PST-2DPR)	5.7	5.7
NIGHTHAWK (WVPB-89PRA3)	5.7	5.7
PATRIOT II	5.7	5.7
PEBBLE BEACH	5.7	5.7
PLEASURE	5.7	5.7
PR 9121	5.7	5.7
STALLION SELECT (PS-105)	5.7	5.7
PST-23C	5.7	5.7
PST-2ROR	5.7	5.7
SEVILLE	5.7	5.7
SHERWOOD	5.7	5.7
STALLION	5.7	5.7
STATESMAN (WVPB-88PRD12)	5.7	5.7
TOPEKA (WVPB-88PRD10)	5.7	5.7
ZPS-2EZ	5.7	5.7
CALYPSO	5.3	5.3
CLP 39	5.3	5.3
DANARO	5.3	5.3
EEG 358	5.3	5.3
MANHATTAN II (E)	5.3	5.3
MOM LP 3147	5.3	5.3
MVF 89-90	5.3	5.3
NOMAD	5.3	5.3
OPI-F7	5.3	5.3
PENNANT	5.3	5.3
PR 9109	5.3	5.3
PR 9118	5.3	5.3
PR 9119	5.3	5.3
PST-2OG	5.3	5.3
REPELL	5.3	5.3
RIVIERA	5.3	5.3
SATURN	5.3	5.3

TABLE 6. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	NJ3	MEAN
TARGET	5.3	5.3
856	5.0	5.0
CITATION II	5.0	5.0
COMMANDER	5.0	5.0
ENTRAR	5.0	5.0
GOALIE	5.0	5.0
MOM LP 3111	5.0	5.0
MOM LP 3182	5.0	5.0
MULLIGAN (NK 89001)	5.0	5.0
MVF 89-88	5.0	5.0
OFI-D4	5.0	5.0
PENNFINE	5.0	5.0
PR 9108	5.0	5.0
PREMIER	5.0	5.0
TAYA	5.0	5.0
UNKNOWN	5.0	5.0
BARRAGE ++	4.7	4.7
C-21	4.7	4.7
CARTEL	4.7	4.7
DUET	4.7	4.7
LORETTA	4.7	4.7
MOM LP 3184	4.7	4.7
OVATION	4.7	4.7
REGAL	4.7	4.7
TORONTO	4.7	4.7
TROUBADOUR	4.7	4.7
BARRAGE	4.3	4.3
CALIENTE	4.3	4.3
METEOR	4.3	4.3
MOM LP 3179	4.3	4.3
MOM LP 3185	4.3	4.3
SURPRISE	4.3	4.3
LINN	2.0	2.0
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 7. WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	DC1	MEAN
LORETTA	6.0	6.0
NOMAD	5.0	5.0
CLP 39	4.7	4.7
COMPETITOR	4.7	4.7
MVF 89-90	4.7	4.7
PR 9109	4.7	4.7
ALLEGRO	4.3	4.3
BARRAGE	4.3	4.3
BARRAGE ++	4.3	4.3
CALYPSO	4.3	4.3
CLP 144	4.3	4.3
CUTLESS	4.3	4.3
DANDY	4.3	4.3
EEG 358	4.3	4.3
LEGACY	4.3	4.3
MANHATTAN II (E)	4.3	4.3
MOM LP 3184	4.3	4.3
PENNANT	4.3	4.3
STATESMAN (WVPB-88PRD12)	4.3	4.3
TORONTO	4.3	4.3
ASSURE	4.0	4.0
BAR LP 086FL	4.0	4.0
CALIENTE	4.0	4.0
DANARO	4.0	4.0
DANILO	4.0	4.0
DELAWARE DWARF (4DD)	4.0	4.0
DUET	4.0	4.0
ELITE (WVPB-88PRC23)	4.0	4.0
ENTRAR	4.0	4.0
EXPRESS	4.0	4.0
GATOR	4.0	4.0
HE 311	4.0	4.0
PLEASURE	4.0	4.0
PR 9119	4.0	4.0
PR 9121	4.0	4.0
STALLION SELECT (PS-105)	4.0	4.0
PST-290	4.0	4.0
SEVILLE	4.0	4.0
STALLION	4.0	4.0
SURPRISE	4.0	4.0
TAYA	4.0	4.0
TOPEKA (WVPB-88PRD10)	4.0	4.0
ACCOLADE	3.7	3.7
AFFINITY (GEN-90)	3.7	3.7
CARTEL	3.7	3.7

WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE

NAME	DC1	MEAN
CHARGER	3.7	3.7
CITATION II	3.7	3.7
DERBY SUPREME	3.7	3.7
EQUAL	3.7	3.7
PR 8820	3.7	3.7
GOALIE	3.7	3.7
METEOR	3.7	3.7
MOM LP 3147	3.7	3.7
MORNING STAR (SYN-P)	3.7	3.7
MULLIGAN (NK 89001)	3.7	3.7
MVF 89-88	3.7	3.7
NAVAJO (PST-2DPR)	3.7	3.7
OFI-D4	3.7	3.7
OVATION	3.7	3.7
PINNACLE	3.7	3.7
PREMIER	3.7	3.7
PST-2B3	3.7	3.7
REPELL II (LDRD)	3.7	3.7
RIVIERA	3.7	3.7
TARGET	3.7	3.7
TROUADOUR	3.7	3.7
WVPB 89-92	3.7	3.7
856	3.3	3.3
89-666	3.3	3.3
ADVENT	3.3	3.3
BAR LP 852	3.3	3.3
C-21	3.3	3.3
COMMANDER	3.3	3.3
DIMENSION (2H7)	3.3	3.3
FIESTA II	3.3	3.3
BUCCANEER (KOOS 90-1)	3.3	3.3
LINDSAY	3.3	3.3
MOM LP 3111	3.3	3.3
MOM LP 3179	3.3	3.3
MOM LP 3185	3.3	3.3
NIGHTHAWK (WVPB-89PRA3)	3.3	3.3
OFI-F7	3.3	3.3
PEBBLE BEACH	3.3	3.3
PICK DKM	3.3	3.3
PR 9108	3.3	3.3
PST-28M	3.3	3.3
PST-2ROR	3.3	3.3
RODEO II	3.3	3.3
SATURN	3.3	3.3
UNKNOWN	3.3	3.3

TABLE 7. WEAR TOLERANCE RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE

NAME	DC1	MEAN
YORKTOWN III (LDRF)	3.3	3.3
ZW 42-176	3.3	3.3
ACHIEVER (PICK 1800)	3.0	3.0
APM	3.0	3.0
CUTTER (PICK 89-4)	3.0	3.0
ENVY	3.0	3.0
GETTYSBURG	3.0	3.0
KOOS 90-2	3.0	3.0
LOWGROW (PICK 89LLG)	3.0	3.0
PALMER II (P89)	3.0	3.0
PATRIOT II	3.0	3.0
PENNFINE	3.0	3.0
PICK EEC	3.0	3.0
PR 9118	3.0	3.0
QUICKSTART (PST-2FQR)	3.0	3.0
REGAL	3.0	3.0
REPELL	3.0	3.0
SR 4200	3.0	3.0
WVPB-89-87A	3.0	3.0
PRIZM (ZPS-28D)	3.0	3.0
ZPS-ZEZ	3.0	3.0
BRIGHTSTAR (PST-GH-89)	2.7	2.7
EVENING SHADE (POLY-SH)	2.7	2.7
MOM LP 3182	2.7	2.7
N-33	2.7	2.7
PICK 9100	2.7	2.7
PRELUDE II (2P2-90)	2.7	2.7
PST-2FF	2.7	2.7
SHERWOOD	2.7	2.7
COWBOY II (WM-II)	2.3	2.3
LINN	2.3	2.3
PST-23C	2.3	2.3
PST-20G	2.3	2.3
LSD VALUE	1.4	1.4

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

TABLE 8. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	MD1	NJ3	MEAN
BRIGHTSTAR (PST-GH-89)	7.0	8.0	7.5
NAVAJO (PST-2DPR)	7.0	7.3	7.2
LOWGROW (PICK 89LLG)	7.3	6.7	7.0
PALMER II (P89)	7.0	7.0	7.0
PICK EEC	7.0	7.0	7.0
STALLION SELECT (PS-105)	7.0	7.0	7.0
ASSURE	6.7	7.0	6.8
LEGACY	6.7	7.0	6.8
PICK DKM	7.0	6.7	6.8
PST-2FF	7.0	6.7	6.8
QUICKSTART (PST-2FQR)	7.0	6.7	6.8
SR 4200	7.0	6.7	6.8
PRIZM (ZFS-28D)	7.0	6.7	6.8
AFFINITY (GEN-90)	7.0	6.3	6.7
WVPB 89-92	7.0	6.3	6.7
ZW 42-176	7.0	6.3	6.7
NIGHTHAWK (WVPB-89PRA3)	7.0	6.0	6.5
REPELL II (LDRD)	6.7	6.3	6.5
YORKTOWN III (LDRF)	7.0	6.0	6.5
DIMENSION (2H7)	6.5	6.3	6.4
DELAWARE DWARF (4DD)	6.7	6.0	6.3
HE 311	7.0	5.7	6.3
BUCCANEER (KOOS 90-1)	6.7	6.0	6.3
PR 9121	7.0	5.7	6.3
PRELUDE II (2P2-90)	7.0	5.7	6.3
PST-28M	7.0	5.7	6.3
STATESMAN (WVPB-88PRD12)	7.0	5.7	6.3
ELITE (WVPB-88PRC23)	6.7	5.7	6.2
EXPRESS	6.7	5.7	6.2
KOOS 90-2	6.7	5.7	6.2
PATRIOT II	6.7	5.7	6.2
ACHIEVER (PICK 1800)	7.0	5.3	6.2
CLP 144	7.0	5.3	6.2
CUTTER (PICK 89-4)	7.0	5.3	6.2
PST-2OG	7.0	5.3	6.2
PST-2ROR	7.0	5.3	6.2
SHERWOOD	7.0	5.3	6.2
APM	6.7	5.3	6.0
CHARGER	6.7	5.3	6.0
COMPETITOR	6.3	5.7	6.0
EEG 358	7.0	5.0	6.0
PR 8820	7.0	5.0	6.0
EVENING SHADE (POLY-SH)	7.0	5.0	6.0
MOM LP 3147	6.0	6.0	6.0
N-33	7.0	5.0	6.0

SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	MD1	NJ3	MEAN
NOMAD	7.0	5.0	6.0
OFI-F7	7.0	5.0	6.0
PICK 9100	6.7	5.3	6.0
PR 9118	7.0	5.0	6.0
PR 9119	7.0	5.0	6.0
PST-290	7.0	5.0	6.0
SEVILLE	6.7	5.3	6.0
ZPS-2EZ	7.0	5.0	6.0
ADVENT	7.0	4.7	5.8
BARRAGE	6.7	5.0	5.8
BARRAGE ++	6.7	5.0	5.8
CUTLESS	7.0	4.7	5.8
GETTYSBURG	6.7	5.0	5.8
MORNING STAR (SYN-P)	6.7	5.0	5.8
PST-2B3	7.0	4.7	5.8
TARGET	6.7	5.0	5.8
ENVY	6.3	5.3	5.8
MVF 89-90	6.3	5.3	5.8
89-666	6.7	4.7	5.7
MVF 89-88	6.7	4.7	5.7
RODEO II	6.7	4.7	5.7
BAR LP 086FL	7.0	4.3	5.7
COMMANDER	6.3	5.0	5.7
DANDY	6.0	5.3	5.7
PEBBLE BEACH	7.0	4.3	5.7
PENNANT	6.3	5.0	5.7
TAYA	6.3	5.0	5.7
TOPEKA (WVPB-88PRD10)	6.0	5.3	5.7
WVPB-89-87A	6.3	5.0	5.7
LINDSAY	6.5	4.7	5.6
C-21	6.3	4.7	5.5
EQUAL	6.7	4.3	5.5
GOALIE	7.0	4.0	5.5
MOM LP 3184	6.7	4.3	5.5
PLEASURE	6.3	4.7	5.5
PR 9109	6.3	4.7	5.5
SATURN	6.3	4.7	5.5
CLP 39	6.7	4.0	5.3
DERBY SUPREME	6.0	4.7	5.3
GATOR	6.0	4.7	5.3
REPELL	6.0	4.7	5.3
RIVIERA	6.0	4.7	5.3
PINNACLE	6.3	4.3	5.3
PST-23C	7.0	3.7	5.3
ACCOLADE	6.7	3.7	5.2

TABLE 8. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY			
NAME	MD1	NJ3	MEAN
PR 9108	6.7	3.7	5.2
CITATION II	6.3	4.0	5.2
COWBOY II (WM-II)	6.3	4.0	5.2
ENTRAR	6.3	4.0	5.2
FIESTA II	6.0	4.3	5.2
LORETTA	6.0	4.3	5.2
MANHATTAN II (E)	6.0	4.3	5.2
METEOR	6.3	4.0	5.2
MOM LP 3182	6.5	3.7	5.1
ALLEGRO	6.3	3.7	5.0
CALIENTE	5.7	4.3	5.0
CALYPSO	6.0	4.0	5.0
DANARO	6.3	3.7	5.0
DUET	5.7	4.3	5.0
SURPRISE	6.3	3.7	5.0
TROUBADOUR	6.0	4.0	5.0
UNKNOWN	6.0	4.0	5.0
OFI-D4	6.7	3.0	4.8
PREMIER	5.7	4.0	4.8
BAR LP 852	6.3	3.3	4.8
DANILO	6.3	3.3	4.8
MULLIGAN (NK 89001)	6.0	3.7	4.8
REGAL	6.0	3.7	4.8
STALLION	6.0	3.7	4.8
856	6.0	3.3	4.7
CARTEL	6.0	3.3	4.7
TORONTO	6.0	3.3	4.7
OVATION	6.3	3.0	4.7
MOM LP 3111	6.0	3.0	4.5
MOM LP 3179	6.0	3.0	4.5
MOM LP 3185	6.0	2.7	4.3
PENNFINE	5.7	2.7	4.2
LINN	5.0	1.0	3.0
LSD VALUE	0.6	1.5	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. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	ID2	ID3	NJ3	MEAN
ZPS-2EZ	9.0	6.3	6.7	7.3
ENVY	8.0	7.7	6.0	7.2
LOWGROW (PICK 89LLG)	7.7	7.0	6.3	7.0
STALLION SELECT (PS-105)	8.0	7.0	5.7	6.9
MOM LP 3147	7.3	6.3	7.0	6.9
PRIZM (ZPS-28D)	7.3	7.3	6.0	6.9
FIESTA II	7.7	7.0	5.7	6.8
PRELUDE II (2P2-90)	7.7	6.7	6.0	6.8
ASSURE	7.7	6.3	6.3	6.8
DANARO	7.0	7.3	6.0	6.8
MVF 89-90	7.0	7.0	6.3	6.8
GATOR	7.3	6.3	6.3	6.7
NAVAJO (PST-2DPR)	6.7	7.0	6.3	6.7
PEBBLE BEACH	7.0	7.3	5.7	6.7
PICK DKM	7.0	7.0	6.0	6.7
PST-28M	7.0	7.3	5.7	6.7
PST-2ROR	6.7	7.7	5.7	6.7
SATURN	6.3	7.3	6.3	6.7
CLP 144	6.5	8.0	5.3	6.6
ACCOLADE	6.3	6.7	6.7	6.6
BAR LP 086FL	7.0	6.7	6.0	6.6
BRIGHTSTAR (PST-GH-89)	8.0	6.0	5.7	6.6
CHARGER	6.7	7.0	6.0	6.6
COMPETITOR	7.0	7.0	5.7	6.6
DELAWARE DWARF (4DD)	7.0	7.0	5.7	6.6
HE 311	7.0	7.0	5.7	6.6
PICK 9100	7.7	5.3	6.7	6.6
PST-2OG	8.3	6.3	5.0	6.6
QUICKSTART (PST-2FQR)	7.0	6.7	6.0	6.6
SR 4200	6.3	6.7	6.7	6.6
CUTTER (PICK 89-4)	7.3	6.0	6.3	6.6
EEG 358	6.3	7.3	6.0	6.6
PR 8820	7.3	6.3	6.0	6.6
NIGHTHAWK (WVPB-89PRA3)	6.3	7.0	6.3	6.6
PICK EEC	7.0	6.3	6.3	6.6
PST-23C	.	6.7	6.3	6.5
PATRIOT II	8.0	5.7	5.7	6.4
PENNANT	6.7	6.7	6.0	6.4
PST-290	6.7	6.7	6.0	6.4
REPELL	7.0	6.7	5.7	6.4
SHERWOOD	6.7	6.7	6.0	6.4
STATESMAN (WVPB-88PRD12)	6.7	6.7	6.0	6.4
YORKTOWN III (LDRF)	7.0	6.7	5.7	6.4
89-666	7.7	6.3	5.3	6.4
AFFINITY (GEN-90)	7.3	7.0	5.0	6.4

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	ID2	ID3	NJ3	MEAN
ELITE (WVPB-88PRC23)	7.0	7.3	5.0	6.4
856	6.3	7.0	5.7	6.3
APM	7.0	6.0	6.0	6.3
DANDY	6.3	6.7	6.0	6.3
PLEASURE	7.0	6.3	5.7	6.3
PR 9119	6.7	6.7	5.7	6.3
TARGET	7.0	7.0	5.0	6.3
TROUBADOUR	7.0	7.0	5.0	6.3
WVPB 89-92	7.3	6.7	5.0	6.3
ADVENT	6.7	6.0	6.0	6.2
CALIENTE	7.0	6.0	5.7	6.2
COWBOY II (WM-II)	7.0	6.7	5.0	6.2
DANILO	6.7	7.3	4.7	6.2
DIMENSION (ZH7)	6.7	6.3	5.7	6.2
BUCCANEER (KOOS 90-1)	6.3	6.7	5.7	6.2
PALMER II (P89)	6.3	6.7	5.7	6.2
LINDSAY	6.3	7.0	5.3	6.2
MANHATTAN II (E)	6.3	7.0	5.3	6.2
TOPEKA (WVPB-88PRD10)	6.3	6.0	6.3	6.2
CALYPSO	7.0	5.7	5.7	6.1
COMMANDER	7.0	5.7	5.7	6.1
PST-2FF	6.7	6.0	5.7	6.1
REPELL II (IDRD)	6.7	6.0	5.7	6.1
UNKNOWN	6.7	6.0	5.7	6.1
CUTLESS	6.7	6.3	5.3	6.1
EQUAL	6.0	6.3	6.0	6.1
PINNACLE	6.7	5.3	6.3	6.1
PR 9118	6.3	7.0	5.0	6.1
C-21	5.7	6.3	6.0	6.0
CLP 39	6.7	6.3	5.0	6.0
DUET	6.3	6.0	5.7	6.0
EXPRESS	6.7	5.7	5.7	6.0
KOOS 90-2	7.0	5.7	5.3	6.0
LEGACY	6.0	6.0	6.0	6.0
LORETTA	6.3	6.7	5.0	6.0
MOM LP 3182	7.0	6.0	5.0	6.0
OVATION	6.3	6.7	5.0	6.0
PR 9108	6.3	6.0	5.7	6.0
PREMIER	6.0	5.7	6.3	6.0
SEVILLE	6.7	6.0	5.3	6.0
WVPB-89-87A	6.3	5.7	6.0	6.0
ACHIEVER (PICK 1800)	5.7	5.7	6.3	5.9
ALLEGRO	6.0	7.0	4.7	5.9
BAR LP 852	6.7	6.3	4.7	5.9
BARRAGE	6.0	6.7	5.0	5.9

TABLE 9. SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY				
NAME	ID2	ID3	NJ3	MEAN
ENTRAR	7.0	5.7	5.0	5.9
MOM LP 3184	5.7	6.7	5.3	5.9
REGAL	6.0	6.0	5.7	5.9
SURPRISE	6.3	6.7	4.7	5.9
DERBY SUPREME	6.0	5.3	6.3	5.9
EVENING SHADE (POLY-SH)	5.7	6.7	5.0	5.8
GETTYSBURG	5.7	6.0	5.7	5.8
OFI-F7	6.0	6.7	4.7	5.8
PR 9109	6.7	6.0	4.7	5.8
TAYA	6.7	6.0	4.7	5.8
GOALIE	6.0	7.0	4.3	5.8
MORNING STAR (SYN-P)	5.3	6.0	6.0	5.8
MVF 89-88	6.0	6.0	5.3	5.8
N-33	5.3	6.3	5.7	5.8
NOMAD	6.0	6.3	5.0	5.8
PR 9121	6.3	5.0	6.0	5.8
OFI-D4	5.3	7.0	4.7	5.7
PENNFINE	6.7	5.7	4.7	5.7
TORONTO	5.7	5.7	5.7	5.7
ZW 42-176	6.0	6.0	5.0	5.7
BARRAGE ++	5.5	6.0	5.3	5.6
PST-2B3	5.7	6.3	4.7	5.6
RIVIERA	6.3	5.7	4.7	5.6
RODEO II	6.0	6.0	4.7	5.6
STALLION	5.0	6.0	5.7	5.6
METEOR	6.0	6.3	4.3	5.6
MOM LP 3111	6.7	5.7	4.0	5.4
MULLIGAN (NK 89001)	5.7	5.7	5.0	5.4
CITATION II	5.0	6.3	5.0	5.4
MOM LP 3185	6.3	5.7	4.3	5.4
CARTEL	6.0	6.0	4.0	5.3
MOM LP 3179	5.7	5.7	4.3	5.2
LINN	3.0	5.0	2.7	3.6
LSD VALUE	1.7	1.3	1.3	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. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	NJ3	MEAN
BRIGHTSTAR (PST-GH-89)	6.7	6.7
AFFINITY (GEN-90)	6.3	6.3
PICK DKM	6.3	6.3
PST-290	6.3	6.3
ASSURE	6.0	6.0
GETTYSBURG	6.0	6.0
PALMER II (P89)	6.0	6.0
PICK 9100	6.0	6.0
PST-28M	6.0	6.0
CUTTER (PICK 89-4)	5.7	5.7
PRELUDE II (2P2-90)	5.7	5.7
PST-2FF	5.7	5.7
QUICKSTART (PST-2FQR)	5.7	5.7
SEVILLE	5.7	5.7
PRIZM (ZPS-28D)	5.7	5.7
ZPS-2EZ	5.7	5.7
CHARGER	5.3	5.3
DANDY	5.3	5.3
ENVY	5.3	5.3
EVENING SHADE (POLY-SH)	5.3	5.3
LEGACY	5.3	5.3
NIGHTHAWK (WVPB-89PRA3)	5.3	5.3
PR 9121	5.3	5.3
STALLION SELECT (PS-105)	5.3	5.3
PST-2ROR	5.3	5.3
SATURN	5.3	5.3
SHERWOOD	5.3	5.3
STATESMAN (WVPB-88PRD12)	5.3	5.3
TARGET	5.3	5.3
WVPB 89-92	5.3	5.3
YORKTOWN III (LDRF)	5.3	5.3
89-666	5.0	5.0
ACCOLADE	5.0	5.0
ACHIEVER (PICK 1800)	5.0	5.0
APM	5.0	5.0
COMPETITOR	5.0	5.0
DELAWARE DWARF (4DD)	5.0	5.0
DIMENSION (2H7)	5.0	5.0
EQUAL	5.0	5.0
EXPRESS	5.0	5.0
HE 311	5.0	5.0
BUCCANEER (KOOS 90-1)	5.0	5.0
LOWGROW (PICK 89LLG)	5.0	5.0
NAVAJO (PST-2DPR)	5.0	5.0
OPI-F7	5.0	5.0

FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NJ3	MEAN
PICK EEC	5.0	5.0
PINNACLE	5.0	5.0
PST-23C	5.0	5.0
REPELL II (LDRD)	5.0	5.0
RODEO II	5.0	5.0
SR 4200	5.0	5.0
WVPB-89-87A	5.0	5.0
ADVENT	4.7	4.7
ALLEGRO	4.7	4.7
CALIENTE	4.7	4.7
CITATION II	4.7	4.7
COMMANDER	4.7	4.7
DERBY SUPREME	4.7	4.7
DUET	4.7	4.7
KOOS 90-2	4.7	4.7
LINDSAY	4.7	4.7
MOM IP 3147	4.7	4.7
MORNING STAR (SYN-P)	4.7	4.7
MVF 89-88	4.7	4.7
MVF 89-90	4.7	4.7
N-33	4.7	4.7
PENNANT	4.7	4.7
PLEASURE	4.7	4.7
PR 9119	4.7	4.7
PST-20G	4.7	4.7
REGAL	4.7	4.7
REPELL	4.7	4.7
STALLION	4.7	4.7
TOPEKA (WVPB-88PRD10)	4.7	4.7
UNKNOWN	4.7	4.7
ZW 42-176	4.7	4.7
BAR IP 086FL	4.3	4.3
BAR IP 852	4.3	4.3
CALYPSO	4.3	4.3
CLP 39	4.3	4.3
COWBOY II (WM-II)	4.3	4.3
CUTLESS	4.3	4.3
DANILO	4.3	4.3
ELITE (WVPB-88PRC23)	4.3	4.3
PR 8820	4.3	4.3
MANHATTAN II (E)	4.3	4.3
MOM IP 3111	4.3	4.3
MULLIGAN (NK 89001)	4.3	4.3
OFI-D4	4.3	4.3
OVATION	4.3	4.3

TABLE 10. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	NJ3	MEAN
PATRIOT II	4.3	4.3
PEBBLE BEACH	4.3	4.3
PENNFINE	4.3	4.3
PR 9108	4.3	4.3
PST-2B3	4.3	4.3
RIVIERA	4.3	4.3
TAYA	4.3	4.3
BARRAGE ++	4.0	4.0
EEG 358	4.0	4.0
FIESTA II	4.0	4.0
GATOR	4.0	4.0
LORETTA	4.0	4.0
MOM LP 3179	4.0	4.0
MOM LP 3182	4.0	4.0
MOM LP 3185	4.0	4.0
NOMAD	4.0	4.0
PR 9118	4.0	4.0
PREMIER	4.0	4.0
SURPRISE	4.0	4.0
856	3.7	3.7
BARRAGE	3.7	3.7
C-21	3.7	3.7
CLP 144	3.7	3.7
DANARO	3.7	3.7
MOM LP 3184	3.7	3.7
PR 9109	3.7	3.7
ENTRAR	3.3	3.3
TORONTO	3.3	3.3
TROUBADOUR	3.3	3.3
CARTEL	3.0	3.0
GOALIE	3.0	3.0
METEOR	3.0	3.0
LINN	1.0	1.0
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 11. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/				
NAME	ID2	ID3	WA3	MEAN
UNKNOWN	93.3	94.7	.	94.0
SATURN	93.3	99.0	83.3	91.9
CUTLESS	97.7	97.7	76.7	90.7
NOMAD	94.3	97.7	80.0	90.7
MVF 89-90	97.7	96.3	76.7	90.2
MVF 89-88	97.7	95.0	76.7	89.8
PST-2ROR	97.7	95.0	76.7	89.8
CHARGER	91.7	96.3	80.0	89.3
PR 9121	93.3	97.7	76.7	89.2
SHERWOOD	96.3	96.3	73.3	88.7
AFFINITY (GEN-90)	94.7	97.7	73.3	88.6
CLP 39	97.7	97.7	70.0	88.4
TROUBADOUR	97.7	97.7	70.0	88.4
OVATION	96.3	99.0	70.0	88.4
PENNFINE	85.0	91.7	.	88.3
TAYA	94.7	96.3	73.3	88.1
ELITE (WVPB-88PRC23)	94.7	99.0	70.0	87.9
KOOS 90-2	91.7	95.0	76.7	87.8
PICK EEC	91.3	91.7	80.0	87.7
CALIENTE	91.3	94.7	76.7	87.6
ENVY	94.7	94.7	73.3	87.6
FIESTA II	93.0	96.3	73.3	87.6
ZPS-2EZ	96.3	96.3	70.0	87.6
ALLEGRO	88.0	97.7	76.7	87.4
89-666	96.3	96.0	70.0	87.4
PICK DKM	91.3	97.7	73.3	87.4
DANILO	99.0	96.3	66.7	87.3
LINDSAY	96.0	99.0	66.7	87.2
EQUAL	95.0	93.3	73.3	87.2
PRELUDE II (2P2-90)	97.7	93.3	70.0	87.0
WVPB 89-92	90.0	97.7	73.3	87.0
ACCOLADE	96.3	97.7	66.7	86.9
RODEO II	91.7	95.0	73.3	86.7
YORKTOWN III (LDRF)	91.7	91.7	76.7	86.7
CALYPSO	95.0	94.7	70.0	86.6
BAR LP 086FL	93.0	93.3	73.3	86.6
MORNING STAR (SYN-P)	93.3	96.3	70.0	86.6
WVPB-89-87A	93.3	96.3	70.0	86.6
REPELL	95.0	97.7	66.7	86.4
PST-290	89.7	96.3	73.3	86.4
PINNACLE	91.7	93.3	73.3	86.1
APM	93.0	91.7	73.3	86.0
OFT-D4	96.3	95.0	66.7	86.0
PST-20G	93.3	94.7	70.0	86.0
856	94.7	96.3	66.7	85.9

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS

NAME	ID2	ID3	WA3	MEAN
NIGHTHAWK (WVFB-89PRA3)	96.0	97.7	63.3	85.7
LORETTA	99.0	97.7	60.0	85.6
PREMIER	93.3	93.3	70.0	85.6
DANDY	96.3	93.3	66.7	85.4
PENNANT	88.3	94.7	73.3	85.4
PST-2FF	93.0	93.3	70.0	85.4
REPELL II (LDRD)	96.3	90.0	70.0	85.4
ENTRAR	97.7	95.0	63.3	85.3
STALLION SELECT (PS-105)	93.0	96.0	66.7	85.2
PATRIOT II	99.0	96.3	60.0	85.1
ASSURE	94.7	96.3	63.3	84.8
MANHATTAN II (E)	96.0	95.0	63.3	84.8
COMMANDER	93.0	91.3	70.0	84.8
TOPEKA (WVPB-88PRD10)	96.3	91.3	66.7	84.8
BRIGHTSTAR (PST-GH-89)	92.5	95.0	66.7	84.7
BARRAGE	96.3	97.7	60.0	84.7
CITATION II	96.3	97.7	60.0	84.7
GATOR	89.7	97.7	66.7	84.7
TORONTO	94.7	96.0	63.3	84.7
MOM LP 3185	95.0	95.0	63.3	84.4
SEVILLE	95.0	94.7	63.3	84.3
ADVENT	93.3	96.3	63.3	84.3
PR 8820	85.0	97.7	70.0	84.2
TARGET	88.3	97.7	66.7	84.2
MOM LP 3182	93.0	96.3	63.3	84.2
DIMENSION (2H7)	89.7	96.0	66.7	84.1
PST-2B3	93.0	99.0	60.0	84.0
NAVAJO (PST-2DPR)	96.3	99.0	56.7	84.0
PLEASURE	91.7	90.0	70.0	83.9
SR 4200	83.3	95.0	73.3	83.9
MOM LP 3179	94.7	93.3	63.3	83.8
PRIZM (ZPS-28D)	91.7	89.7	70.0	83.8
STATESMAN (WVEB-88PRD12)	95.0	96.3	60.0	83.8
PR 9118	88.0	96.3	66.7	83.7
SURPRISE	96.3	97.7	56.7	83.6
PR 9108	90.0	93.3	66.7	83.3
LEGACY	86.7	96.3	66.7	83.2
MOM LP 3184	91.7	94.7	63.3	83.2
PICK 9100	94.7	95.0	60.0	83.2
ACHIEVER (PICK 1800)	93.3	91.7	63.3	82.8
HE 311	86.7	95.0	66.7	82.8
STALLION	86.7	95.0	66.7	82.8
GETTYSBURG	93.3	95.0	60.0	82.8
PST-28M	93.3	95.0	60.0	82.8
N-33	95.0	96.3	56.7	82.7

TABLE 11. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS				
NAME	ID2	ID3	WA3	MEAN
EEG 358	89.7	97.7	60.0	82.4
PEBBLE BEACH	91.7	99.0	56.7	82.4
REGAL	95.0	99.0	53.3	82.4
LOWGROW (PICK 89LLG)	89.3	97.7	60.0	82.3
EXPRESS	93.3	93.3	60.0	82.2
PST-23C	.	93.3	70.0	81.7
CARTEL	81.7	96.3	66.7	81.6
CUTTER (PICK 89-4)	91.3	93.3	60.0	81.6
LINN	93.3	88.0	63.3	81.6
BARRAGE ++	96.0	97.7	50.0	81.2
DERBY SUPREME	91.7	95.0	56.7	81.1
MOM LP 3147	85.0	95.0	63.3	81.1
BUCCANEER (KOOS 90-1)	93.3	93.3	56.7	81.1
EVENING SHADE (POLY-SH)	91.7	94.7	56.7	81.0
RIVIERA	93.3	96.3	53.3	81.0
DUET	93.0	93.3	56.7	81.0
COMPETITOR	94.7	94.3	53.3	80.8
METEOR	94.7	97.7	50.0	80.8
MULLIGAN (NK 89001)	85.0	93.3	63.3	80.6
CLP 144	92.5	99.0	50.0	80.5
MOM LP 3111	95.0	95.0	50.0	80.0
PALMER II (P89)	88.3	95.0	56.7	80.0
C-21	90.0	93.0	56.7	79.9
PR 9119	89.7	96.3	53.3	79.8
COWBOY II (WM-II)	83.0	96.3	60.0	79.8
DANARO	94.7	97.7	46.7	79.7
DELAWARE DWARF (4DD)	94.7	96.0	46.7	79.1
OFI-F7	91.7	95.0	50.0	78.9
GOALIE	93.3	96.3	46.7	78.8
ZW 42-176	88.3	91.3	53.3	77.7
PR 9109	93.0	93.3	46.7	77.7
BAR LP 852	91.3	88.3	46.7	75.4
QUICKSTART (PST-2FQR)	86.7	96.3	43.3	75.4
LSD VALUE	10.5	5.8	18.5	7.4

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 12. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	ID2	MEAN
89-666	99.0	99.0
ACCOLADE	99.0	99.0
CLP 144	99.0	99.0
CLP 39	99.0	99.0
DANILO	99.0	99.0
ELITE (WVPB-88PRC23)	99.0	99.0
ENTRAR	99.0	99.0
GOALIE	99.0	99.0
LINN	99.0	99.0
LORETTA	99.0	99.0
PATRIOT II	99.0	99.0
REPELL	99.0	99.0
SHERWOOD	99.0	99.0
TROUBADOUR	99.0	99.0
BARRAGE ++	98.0	98.0
ASSURE	97.7	97.7
BARRAGE	97.7	97.7
CUTLESS	97.7	97.7
DANARO	97.7	97.7
DANDY	97.7	97.7
ENVY	97.7	97.7
EQUAL	97.7	97.7
LINDSAY	97.7	97.7
METEOR	97.7	97.7
MVF 89-90	97.7	97.7
N-33	97.7	97.7
OVATION	97.7	97.7
PENNANT	97.7	97.7
PLEASURE	97.7	97.7
PR 9109	97.7	97.7
PR 9121	97.7	97.7
PRELUDE II (2P2-90)	97.7	97.7
PREMIER	97.7	97.7
STALLION SELECT (PS-105)	97.7	97.7
PST-2OG	97.7	97.7
PST-2ROR	97.7	97.7
REGAL	97.7	97.7
RIVIERA	97.7	97.7
SURPRISE	97.7	97.7
TAYA	97.7	97.7
TOPEKA (WVPB-88PRD10)	97.7	97.7
UNKNOWN	97.7	97.7
ZPS-2EZ	97.7	97.7
856	96.3	96.3
ADVENT	96.3	96.3

PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	ID2	MEAN
CALYPSO	96.3	96.3
DELAWARE DWARF (4DD)	96.3	96.3
EXPRESS	96.3	96.3
MANHATTAN II (E)	96.3	96.3
MOM LP 3111	96.3	96.3
MOM LP 3179	96.3	96.3
MOM LP 3184	96.3	96.3
MOM LP 3185	96.3	96.3
MVF 89-88	96.3	96.3
NAVAJO (PST-2DPR)	96.3	96.3
PICK 9100	96.3	96.3
REPELL II (LDRD)	96.3	96.3
SATURN	96.3	96.3
SEVILLE	96.3	96.3
YORKTOWN III (LDRF)	96.3	96.3
BAR LP 086FL	96.0	96.0
COMMANDER	96.0	96.0
DUET	96.0	96.0
EEG 358	96.0	96.0
NIGHTHAWK (WVPB-89PRA3)	96.0	96.0
NOMAD	96.0	96.0
PR 9119	96.0	96.0
AFFINITY (GEN-90)	95.0	95.0
BRIGHTSTAR (PST-GH-89)	95.0	95.0
KOOS 90-2	95.0	95.0
MORNING STAR (SYN-P)	95.0	95.0
PST-2EM	95.0	95.0
WVPB-89-87A	95.0	95.0
BAR LP 852	94.7	94.7
CHARGER	94.7	94.7
CITATION II	94.7	94.7
COMPETITOR	94.7	94.7
DERBY SUPREME	94.7	94.7
FIESTA II	94.7	94.7
PICK DKM	94.7	94.7
PST-2FF	94.7	94.7
TARGET	94.7	94.7
TORONTO	94.7	94.7
WVPB 89-92	94.3	94.3
APM	93.3	93.3
PINNACLE	93.3	93.3
RODEO II	93.3	93.3
ACHIEVER (PICK 1800)	93.0	93.0
CUTTER (PICK 89-4)	93.0	93.0
BUCCANEER (KOOS 90-1)	93.0	93.0

TABLE 12. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	ID2	MEAN
OFI-D4	93.0	93.0
PICK EEC	93.0	93.0
PST-2B3	93.0	93.0
PRIZM (ZPS-28D)	93.0	93.0
ALLEGRO	92.7	92.7
CALIENTE	92.7	92.7
DIMENSION (2H7)	92.7	92.7
PR 8820	92.7	92.7
MOM LP 3182	92.7	92.7
STATESMAN (WVPB-88PRD12)	92.7	92.7
C-21	91.7	91.7
EVENING SHADE (POLY-SH)	91.7	91.7
LEGACY	91.7	91.7
ZW 42-176	91.7	91.7
GETTYSBURG	91.3	91.3
OFI-F7	91.3	91.3
PR 9108	91.3	91.3
GATOR	91.0	91.0
PEBBLE BEACH	91.0	91.0
PALMER II (P89)	90.0	90.0
PR 9118	90.0	90.0
PST-290	90.0	90.0
COWBOY II (WM-II)	89.7	89.7
PENNFINE	89.7	89.7
QUICKSTART (PST-2FQR)	89.7	89.7
LOWGRW (PICK 89LLG)	89.3	89.3
HE 311	88.3	88.3
MULLIGAN (NK 89001)	88.3	88.3
CARTEL	88.0	88.0
MOM LP 3147	84.7	84.7
SR 4200	83.3	83.3
STALLION	81.7	81.7
LSD VALUE	9.2	9.2

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

TABLE 13. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	WA3	MEAN
PST-20G	6.7	6.7
AFFINITY (GEN-90)	6.3	6.3
CLP 144	6.3	6.3
CUTLESS	6.3	6.3
NOMAD	6.3	6.3
BAR IP 852	6.0	6.0
BARRAGE	6.0	6.0
CITATION II	6.0	6.0
MVF 89-90	6.0	6.0
89-666	5.7	5.7
ASSURE	5.7	5.7
CARTEL	5.7	5.7
COWBOY II (WM-II)	5.7	5.7
DIMENSION (2H7)	5.7	5.7
ENVY	5.7	5.7
LINDSAY	5.7	5.7
MOM IP 3147	5.7	5.7
MOM IP 3179	5.7	5.7
MORNING STAR (SYN-P)	5.7	5.7
NAVAJO (PST-2DPR)	5.7	5.7
OFI-F7	5.7	5.7
PENNANT	5.7	5.7
PINNACLE	5.7	5.7
PLEASURE	5.7	5.7
PR 9118	5.7	5.7
PR 9121	5.7	5.7
PRELUDE II (2P2-90)	5.7	5.7
PST-23C	5.7	5.7
PST-290	5.7	5.7
PST-2FF	5.7	5.7
SATURN	5.7	5.7
TARGET	5.7	5.7
PRIZM (ZPS-28D)	5.7	5.7
ACHIEVER (PICK 1800)	5.3	5.3
ADVENT	5.3	5.3
APM	5.3	5.3
CALIENTE	5.3	5.3
COMMANDER	5.3	5.3
DANARO	5.3	5.3
DERBY SUPREME	5.3	5.3
ELITE (WVPB-88PRC23)	5.3	5.3
EVENING SHADE (POLY-SH)	5.3	5.3
GATOR	5.3	5.3
LEGACY	5.3	5.3
MULLIGAN (NK 89001)	5.3	5.3

WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	WA3	MEAN
N-33	5.3	5.3
PALMER II (P89)	5.3	5.3
PATRIOT II	5.3	5.3
PICK 9100	5.3	5.3
PICK DKM	5.3	5.3
PICK EEC	5.3	5.3
PST-28M	5.3	5.3
PST-2B3	5.3	5.3
QUICKSTART (PST-2FQR)	5.3	5.3
SEVILLE	5.3	5.3
STATESMAN (WVPB-88PRD12)	5.3	5.3
TOPEKA (WVPB-88PRD10)	5.3	5.3
WVPB 89-92	5.3	5.3
YORKTOWN III (LDRF)	5.3	5.3
ACCOLADE	5.0	5.0
BAR LP 086FL	5.0	5.0
BARRAGE ++	5.0	5.0
BRIGHTSTAR (PST-GH-89)	5.0	5.0
CALYFSO	5.0	5.0
CHARGER	5.0	5.0
EEG 358	5.0	5.0
ENTRAR	5.0	5.0
EQUAL	5.0	5.0
PR 8820	5.0	5.0
EXPRESS	5.0	5.0
HE 311	5.0	5.0
LORETTA	5.0	5.0
LOWGROW (PICK 89LLG)	5.0	5.0
MANHATTAN II (E)	5.0	5.0
METEOR	5.0	5.0
MOM LP 3111	5.0	5.0
NIGHTHAWK (WVPB-89PRA3)	5.0	5.0
OVI-D4	5.0	5.0
OVATION	5.0	5.0
PEBBLE BEACH	5.0	5.0
PST-2ROR	5.0	5.0
REPELL	5.0	5.0
REPELL II (LDRD)	5.0	5.0
SR 4200	5.0	5.0
SURPRISE	5.0	5.0
TORONTO	5.0	5.0
WVPB-89-87A	5.0	5.0
856	4.7	4.7
ALLEGRO	4.7	4.7
CLP 39	4.7	4.7

TABLE 13. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

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

NAME	WA3	MEAN
COMPETITOR	4.7	4.7
CUTTER (PICK 89-4)	4.7	4.7
DANDY	4.7	4.7
DANILLO	4.7	4.7
DUET	4.7	4.7
GETTYSBURG	4.7	4.7
BUCCANEER (KOOS 90-1)	4.7	4.7
MOM LP 3184	4.7	4.7
MVF 89-88	4.7	4.7
PR 9108	4.7	4.7
PR 9119	4.7	4.7
PREMIER	4.7	4.7
REGAL	4.7	4.7
RIVIERA	4.7	4.7
RODEO II	4.7	4.7
SHERWOOD	4.7	4.7
TAYA	4.7	4.7
ZW 42-176	4.7	4.7
C-21	4.3	4.3
DELAWARE DWARF (4DD)	4.3	4.3
FIESTA II	4.3	4.3
GOALIE	4.3	4.3
KOOS 90-2	4.3	4.3
MOM LP 3185	4.3	4.3
PR 9109	4.3	4.3
STALLION SELECT (PS-105)	4.3	4.3
STALLION	4.3	4.3
ZPS-ZEZ	4.3	4.3
LINN	4.0	4.0
MOM LP 3182	4.0	4.0
TROUBADOUR	4.0	4.0
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 14. WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

WINTER KILL RATINGS 1-9; 9=LEAST KILL 1/

NAME	OH2	MEAN
PREMIER	6.0	6.0
ACHIEVER (PICK 1800)	5.3	5.3
BARRAGE	5.3	5.3
CLP 39	5.3	5.3
EQUAL	5.3	5.3
PEBBLE BEACH	5.3	5.3
PST-28M	5.3	5.3
RIVIERA	5.3	5.3
WVPB-89-87A	5.3	5.3
ACCOLADE	5.0	5.0
AFFINITY (GEN-90)	5.0	5.0
ALLEGRO	5.0	5.0
APM	5.0	5.0
BAR LP 852	5.0	5.0
CALYPSO	5.0	5.0
CITATION II	5.0	5.0
COMPETITOR	5.0	5.0
DERBY SUPREME	5.0	5.0
ENVY	5.0	5.0
EVENING SHADE (POLY-SH)	5.0	5.0
EXPRESS	5.0	5.0
GATOR	5.0	5.0
LORETTA	5.0	5.0
MORNING STAR (SYN-P)	5.0	5.0
NIGHTHAWK (WVPB-89PRA3)	5.0	5.0
NOMAD	5.0	5.0
PICK 9100	5.0	5.0
PR 9108	5.0	5.0
PR 9121	5.0	5.0
STALLION SELECT (PS-105)	5.0	5.0
PST-2B3	5.0	5.0
PST-2FF	5.0	5.0
SATURN	5.0	5.0
SEVILLE	5.0	5.0
SHERWOOD	5.0	5.0
SR 4200	5.0	5.0
STATESMAN (WVPB-88PRD12)	5.0	5.0
TAYA	5.0	5.0
TORONTO	5.0	5.0
UNKNOWN	5.0	5.0
YORKTOWN III (LDRF)	5.0	5.0
PRIZM (ZPS-28D)	5.0	5.0
856	4.7	4.7
89-666	4.7	4.7
ADVENT	4.7	4.7

WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

WINTER KILL RATINGS 1-9; 9=LEAST KILL

NAME	OH2	MEAN
ASSURE	4.7	4.7
C-21	4.7	4.7
CALIENTE	4.7	4.7
CHARGER	4.7	4.7
CLP 144	4.7	4.7
COMMANDER	4.7	4.7
CUTTER (PICK 89-4)	4.7	4.7
DANILLO	4.7	4.7
DELAWARE DWARF (4DD)	4.7	4.7
DIMENSION (2H7)	4.7	4.7
EEG 358	4.7	4.7
ENTRAR	4.7	4.7
PR 8820	4.7	4.7
GOALIE	4.7	4.7
HE 311	4.7	4.7
KOOS 90-2	4.7	4.7
LEGACY	4.7	4.7
LINDSAY	4.7	4.7
MANHATTAN II (E)	4.7	4.7
MOM LP 3147	4.7	4.7
MOM LP 3179	4.7	4.7
MOM LP 3182	4.7	4.7
MULLIGAN (NK 89001)	4.7	4.7
MVF 89-90	4.7	4.7
NAVAJO (PST-2DPR)	4.7	4.7
OFI-D4	4.7	4.7
OFI-F7	4.7	4.7
OVATION	4.7	4.7
PENNANT	4.7	4.7
PINNACLE	4.7	4.7
PR 9118	4.7	4.7
PRELUDE II (2P2-90)	4.7	4.7
PST-23C	4.7	4.7
PST-20G	4.7	4.7
QUICKSTART (PST-2FQR)	4.7	4.7
REGAL	4.7	4.7
REPELL	4.7	4.7
SURPRISE	4.7	4.7
TARGET	4.7	4.7
TOPEKA (WVPB-88PRD10)	4.7	4.7
TROUBADOUR	4.7	4.7
WVPB 89-92	4.7	4.7
BAR LP 086FL	4.3	4.3
BARRAGE ++	4.3	4.3
COWBOY II (WM-II)	4.3	4.3

TABLE 14. WINTER KILL RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

WINTER KILL RATINGS 1-9; 9=LEAST KILL

NAME	OH2	MEAN
CUTLESS	4.3	4.3
DANDY	4.3	4.3
ELITE (WVPB-88PRC23)	4.3	4.3
FIESTA II	4.3	4.3
GETTYSBURG	4.3	4.3
BUCCANEER (KOOS 90-1)	4.3	4.3
LOWGROW (PICK 89LLG)	4.3	4.3
MOM LP 3111	4.3	4.3
MOM LP 3184	4.3	4.3
MVF 89-88	4.3	4.3
N-33	4.3	4.3
PALMER II (P89)	4.3	4.3
PENNFINE	4.3	4.3
PICK DKM	4.3	4.3
PLEASURE	4.3	4.3
PR 9109	4.3	4.3
PR 9119	4.3	4.3
PST-290	4.3	4.3
PST-ZROR	4.3	4.3
REPELL II (LDRD)	4.3	4.3
RODEO II	4.3	4.3
STALLION	4.3	4.3
ZPS-ZEZ	4.3	4.3
BRIGHTSTAR (PST-GH-89)	4.0	4.0
PATRIOT II	4.0	4.0
PICK EEC	4.0	4.0
ZW 42-176	4.0	4.0
MOM LP 3185	3.7	3.7
CARTEL	3.3	3.3
METEOR	3.3	3.3
DUET	3.0	3.0
LINN	3.0	3.0
DANARO	2.7	2.7
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 15. DROUGHT TOLERANCE (DORMANCY) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	ID2	MEAN
89-666	9.0	9.0
MVF 89-90	8.7	8.7
NIGHTHAWK (WVPB-89PRA3)	8.7	8.7
PATRIOT II	8.7	8.7
PEBBLE BEACH	8.7	8.7
PICK 9100	8.7	8.7
PICK DKM	8.7	8.7
PST-20G	8.7	8.7
SHERWOOD	8.7	8.7
AFFINITY (GEN-90)	8.3	8.3
EEG 358	8.3	8.3
ENVY	8.3	8.3
PICK EEC	8.3	8.3
STALLION SELECT (PS-105)	8.3	8.3
PST-2ROR	8.3	8.3
ZPS-2EZ	8.3	8.3
ACCOLADE	8.0	8.0
ACHIEVER (PICK 1800)	8.0	8.0
ADVENT	8.0	8.0
BARRAGE	8.0	8.0
BRIGHTSTAR (PST-GH-89)	8.0	8.0
CALIENTE	8.0	8.0
COMPETITOR	8.0	8.0
CUTTER (PICK 89-4)	8.0	8.0
GATOR	8.0	8.0
GOALIE	8.0	8.0
MOM LP 3147	8.0	8.0
MORNING STAR (SYN-P)	8.0	8.0
MVF 89-88	8.0	8.0
NAVAJO (PST-2DPR)	8.0	8.0
QUICKSTART (PST-2FQR)	8.0	8.0
TARGET	8.0	8.0
TOPEKA (WVPB-88PRD10)	8.0	8.0
PRIZM (ZPS-28D)	8.0	8.0
BAR LP 086FL	7.7	7.7
DERBY SUPREME	7.7	7.7
ELITE (WVPB-88PRC23)	7.7	7.7
BUCCANEER (KOOS 90-1)	7.7	7.7
LINDSAY	7.7	7.7
LOWGROW (PICK 89LLG)	7.7	7.7
MANHATTAN II (E)	7.7	7.7
MOM LP 3179	7.7	7.7
N-33	7.7	7.7
PREMIER	7.7	7.7
PST-290	7.7	7.7

DROUGHT TOLERANCE (DORMANCY) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	ID2	MEAN
PST-2FF	7.7	7.7
REGAL	7.7	7.7
REPELL	7.7	7.7
TAYA	7.7	7.7
YORKTOWN III (LDRF)	7.7	7.7
APM	7.3	7.3
ASSURE	7.3	7.3
CALYPSO	7.3	7.3
DIMENSION (2H7)	7.3	7.3
DUET	7.3	7.3
KOOS 90-2	7.3	7.3
LORETTA	7.3	7.3
METEOR	7.3	7.3
OFI-F7	7.3	7.3
PLEASURE	7.3	7.3
PR 9109	7.3	7.3
PRELUDE II (2P2-90)	7.3	7.3
REPELL II (LDRD)	7.3	7.3
UNKNOWN	7.3	7.3
CITATION II	7.0	7.0
CLP 39	7.0	7.0
DELAWARE DWARF (4DD)	7.0	7.0
EQUAL	7.0	7.0
EXPRESS	7.0	7.0
FIESTA II	7.0	7.0
LINN	7.0	7.0
MOM IP 3111	7.0	7.0
PINNACLE	7.0	7.0
PST-28M	7.0	7.0
SR 4200	7.0	7.0
TORONTO	7.0	7.0
BARRAGE ++	6.8	6.8
ALLEGRO	6.7	6.7
COMMANDER	6.7	6.7
COWBOY II (WM-II)	6.7	6.7
ENTRAR	6.7	6.7
HE 311	6.7	6.7
MOM IP 3182	6.7	6.7
OVATION	6.7	6.7
RIVIERA	6.7	6.7
SATURN	6.7	6.7
SEVILLE	6.7	6.7
TROUBADOUR	6.7	6.7
GETTYSBURG	6.3	6.3
MULLIGAN (NK 89001)	6.3	6.3

TABLE 15. DROUGHT TOLERANCE (DORMANCY) RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

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

NAME	ID2	MEAN
NOMAD	6.3	6.3
ZW 42-176	6.3	6.3
BAR IP 852	6.0	6.0
CHARGER	6.0	6.0
DANILO	6.0	6.0
OFT-D4	6.0	6.0
PENNFINE	6.0	6.0
PST-2B3	6.0	6.0
STATESMAN (WVPB-88PRD12)	6.0	6.0
C-21	5.7	5.7
CARTEL	5.7	5.7
CUTLESS	5.7	5.7
PR 8820	5.7	5.7
EVENING SHADE (POLY-SH)	5.7	5.7
PR 9118	5.7	5.7
PR 9119	5.7	5.7
WVPB 89-92	5.7	5.7
MOM IP 3184	5.3	5.3
MOM IP 3185	5.3	5.3
PENNANT	5.3	5.3
PR 9108	5.3	5.3
PR 9121	5.3	5.3
WVPB-89-87A	5.3	5.3
856	5.0	5.0
DANARO	5.0	5.0
DANDY	5.0	5.0
RODEO II	5.0	5.0
STALLION	5.0	5.0
LEGACY	4.7	4.7
PALMER II (P89)	4.7	4.7
SURPRISE	4.7	4.7
CLP 144	3.0	3.0
LSD VALUE	2.6	2.6

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 16. FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	ID3	MEAN
CALYPSO	5.7	5.7
DIMENSION (2H7)	5.7	5.7
REGAL	5.7	5.7
AFFINITY (GEN-90)	5.3	5.3
BARRAGE ++	5.3	5.3
EQUAL	5.3	5.3
GATOR	5.3	5.3
NAVAJO (PST-2DPR)	5.3	5.3
NIGHTHAWK (WVPB-89PRA3)	5.3	5.3
BARRAGE	5.0	5.0
C-21	5.0	5.0
COMPETITOR	5.0	5.0
DERBY SUPREME	5.0	5.0
PR 9119	5.0	5.0
STALLION SELECT (PS-105)	5.0	5.0
TORONTO	5.0	5.0
WVPB 89-92	5.0	5.0
WVPB-89-87A	5.0	5.0
ACCOIADE	4.7	4.7
EEG 358	4.7	4.7
LORETTA	4.7	4.7
METEOR	4.7	4.7
MVF 89-90	4.7	4.7
OFI-D4	4.7	4.7
PICK EEC	4.7	4.7
PINNACLE	4.7	4.7
PREMIER	4.7	4.7
PST-290	4.7	4.7
856	4.3	4.3
DANDY	4.3	4.3
ENVY	4.3	4.3
PR 8820	4.3	4.3
LEGACY	4.3	4.3
MORNING STAR (SYN-P)	4.3	4.3
MULLIGAN (NK 89001)	4.3	4.3
PR 9118	4.3	4.3
PST-28M	4.3	4.3
RIVIERA	4.3	4.3
SR 4200	4.3	4.3
STALLION	4.3	4.3
STATESMAN (WVPB-88PRD12)	4.3	4.3
TAYA	4.3	4.3
ADVENT	4.0	4.0
ALLEGRO	4.0	4.0
CALIENTE	4.0	4.0

FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE

NAME	ID3	MEAN
CHARGER	4.0	4.0
COWBOY II (WM-II)	4.0	4.0
DELAWARE DWARF (4DD)	4.0	4.0
EXPRESS	4.0	4.0
GOALIE	4.0	4.0
BUCCANEER (KOOS 90-1)	4.0	4.0
LINDSAY	4.0	4.0
MOM LP 3147	4.0	4.0
MOM LP 3182	4.0	4.0
N-33	4.0	4.0
OVATION	4.0	4.0
PENNFINE	4.0	4.0
PLEASURE	4.0	4.0
PST-2FF	4.0	4.0
QUICKSTART (PST-2FQR)	4.0	4.0
REPELL	4.0	4.0
RODEO II	4.0	4.0
SATURN	4.0	4.0
TOPEKA (WVPB-88PRD10)	4.0	4.0
89-666	3.7	3.7
APM	3.7	3.7
CITATION II	3.7	3.7
CLP 39	3.7	3.7
COMMANDER	3.7	3.7
CUTTER (PICK 89-4)	3.7	3.7
DUET	3.7	3.7
ELITE (WVPB-88PRC23)	3.7	3.7
KOOS 90-2	3.7	3.7
LINN	3.7	3.7
MANHATTAN II (E)	3.7	3.7
MOM LP 3184	3.7	3.7
MVF 89-88	3.7	3.7
PICK DKM	3.7	3.7
PR 9108	3.7	3.7
REPELL II (LDRD)	3.7	3.7
SEVILLE	3.7	3.7
SURPRISE	3.7	3.7
TARGET	3.7	3.7
UNKNOWN	3.7	3.7
ZW 42-176	3.7	3.7
CARTEL	3.3	3.3
DANILO	3.3	3.3
EVENING SHADE (POLY-SH)	3.3	3.3
LOWGROW (PICK 89LLG)	3.3	3.3
MOM LP 3179	3.3	3.3

TABLE 16. FUSARIUM PATCH RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE

NAME	ID3	MEAN
MOM LP 3185	3.3	3.3
NOMAD	3.3	3.3
OFI-F7	3.3	3.3
PICK 9100	3.3	3.3
PR 9109	3.3	3.3
PR 9121	3.3	3.3
PRELUDE II (2P2-90)	3.3	3.3
SHERWOOD	3.3	3.3
YORKTOWN III (LDRF)	3.3	3.3
ACHIEVER (PICK 1800)	3.0	3.0
ASSURE	3.0	3.0
FIESTA II	3.0	3.0
PEBBLE BEACH	3.0	3.0
PENNANT	3.0	3.0
PST-2ROR	3.0	3.0
PRIZM (ZPS-28D)	3.0	3.0
ZPS-2EZ	3.0	3.0
BAR LP 086FL	2.7	2.7
BAR LP 852	2.7	2.7
CLP 144	2.7	2.7
CUTLESS	2.7	2.7
ENTRAR	2.7	2.7
GETTYSBURG	2.7	2.7
HE 311	2.7	2.7
PST-2B3	2.7	2.7
DANARO	2.3	2.3
MOM LP 3111	2.3	2.3
PALMER II (P89)	2.3	2.3
PATRIOT II	2.3	2.3
TROUBADOUR	2.3	2.3
BRIGHTSTAR (PST-GH-89)	2.0	2.0
PST-23C	1.7	1.7
PST-2OG	1.7	1.7
LSD VALUE	1.8	1.8

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 17. LEAFSPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

LEAFSPOT RATINGS 1-9; 9=NO DISEASE 1/			
NAME	NJ2	UB1	MEAN
PST-290	8.3	7.7	8.0
ZW 42-176	8.3	7.0	7.7
LEGACY	7.3	7.7	7.5
PR 9121	7.7	7.3	7.5
PST-2FF	7.3	7.7	7.5
AFFINITY (GEN-90)	7.7	7.0	7.3
STALLION SELECT (PS-105)	7.0	7.7	7.3
PST-2ROR	8.0	6.7	7.3
PRIZM (ZFS-28D)	6.3	8.3	7.3
DIMENSION (2H7)	8.3	6.0	7.2
PICK DKM	6.7	7.7	7.2
89-666	7.0	7.3	7.2
QUICKSTART (PST-2FQR)	7.3	7.0	7.2
SATURN	8.0	6.3	7.2
ADVENT	7.0	7.0	7.0
ASSURE	6.3	7.7	7.0
DANDY	7.0	7.0	7.0
BUCCANEER (KOOS 90-1)	6.7	7.3	7.0
MOM LP 3147	8.3	5.7	7.0
NIGHTHAWK (WVPB-89PRA3)	7.3	6.7	7.0
PST-28M	6.3	7.7	7.0
SEVILLE	6.7	7.3	7.0
TAYA	7.0	7.0	7.0
WVPB-89-87A	7.3	6.7	7.0
COMMANDER	7.7	6.0	6.8
KOOS 90-2	7.7	6.0	6.8
NAVAJO (EST-2DPR)	6.0	7.7	6.8
REPELL II (LDRD)	6.0	7.7	6.8
YORKTOWN III (LDRF)	6.0	7.7	6.8
GETTYSBURG	6.3	7.3	6.8
PR 9119	7.3	6.3	6.8
SHERWOOD	7.3	6.3	6.8
PALMER II (P89)	5.7	7.7	6.7
PINNACLE	6.7	6.7	6.7
CUTTER (PICK 89-4)	5.3	8.0	6.7
DELAWARE DWARF (4DD)	6.3	7.0	6.7
EQUAL	6.3	7.0	6.7
HE 311	6.3	7.0	6.7
MVF 89-90	8.0	5.3	6.7
N-33	7.0	6.3	6.7
NOMAD	7.0	6.3	6.7
OFI-F7	7.0	6.3	6.7
PICK 9100	6.0	7.3	6.7
PST-2B3	7.0	6.3	6.7
PST-2OG	6.0	7.3	6.7

LEAFSPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

LEAFSPOT RATINGS 1-9; 9=NO DISEASE

NAME	NJ2	UB1	MEAN
RODEO II	7.3	6.0	6.7
SR 4200	6.0	7.3	6.7
TARGET	6.0	7.3	6.7
EEG 358	5.3	7.7	6.5
MORNING STAR (SYN-P)	5.3	7.7	6.5
OFI-D4	8.0	5.0	6.5
PEBBLE BEACH	6.3	6.7	6.5
PR 9118	6.7	6.3	6.5
PST-23C	6.0	7.0	6.5
WVPB 89-92	7.3	5.7	6.5
APM	6.0	6.7	6.3
MANHATTAN II (E)	6.7	6.0	6.3
STATESMAN (WVPB-88PRD12)	7.0	5.7	6.3
FIESTA II	7.3	5.3	6.3
BRIGHTSTAR (PST-GH-89)	4.7	7.7	6.2
EXPRESS	5.7	6.7	6.2
SURPRISE	7.7	4.7	6.2
TOPEKA (WVPB-88PRD10)	6.7	5.7	6.2
BARRAGE ++	6.0	6.3	6.2
CITATION II	7.0	5.3	6.2
PR 8820	6.3	6.0	6.2
GATOR	7.0	5.3	6.2
PICK EEC	5.0	7.3	6.2
PLEASURE	6.3	6.0	6.2
PRELUDE II (2P2-90)	5.0	7.3	6.2
UNKNOWN	7.3	5.0	6.2
856	7.3	4.7	6.0
CARTEL	6.7	5.3	6.0
COMPETITOR	6.0	6.0	6.0
CUTLESS	7.0	5.0	6.0
ELITE (WVPB-88PRC23)	6.3	5.7	6.0
LINDSAY	7.0	5.0	6.0
LOWGROW (PICK 89LLG)	5.0	7.0	6.0
REPELL	6.0	6.0	6.0
ACHIEVER (PICK 1800)	5.0	6.7	5.8
CLP 39	6.0	5.7	5.8
ENVY	5.7	6.0	5.8
EVENING SHADE (POLY-SH)	4.7	7.0	5.8
PENNANT	7.0	4.7	5.8
PR 9109	6.0	5.7	5.8
CALYPSO	6.3	5.3	5.8
PR 9108	7.3	4.3	5.8
CHARGER	5.7	5.7	5.7
ALLEGRO	6.3	5.0	5.7
BAR LP 852	6.3	5.0	5.7

TABLE 17. LEAFSPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

LEAFSPOT RATINGS 1-9; 9=NO DISEASE			
NAME	NJ2	UB1	MEAN
DERBY SUPREME	7.0	4.3	5.7
ENTRAR	6.3	5.0	5.7
MVF 89-88	6.3	4.7	5.5
PREMIER	5.7	5.3	5.5
RIVIERA	5.7	5.3	5.5
STALLION	6.0	5.0	5.5
ACCOLADE	5.7	5.0	5.3
C-21	6.7	4.0	5.3
PATRIOT II	4.0	6.7	5.3
ZPS-2EZ	4.7	6.0	5.3
BARRAGE	5.3	5.3	5.3
CLP 144	4.3	6.3	5.3
MOM LP 3184	5.7	4.7	5.2
MOM LP 3185	6.0	4.3	5.2
REGAL	5.0	4.7	4.8
CALIENTE	4.0	5.0	4.5
LORETTA	4.0	5.0	4.5
TROUBADOUR	5.3	3.7	4.5
BAR LP 086FL	3.3	5.0	4.2
MULLIGAN (NK 89001)	3.3	5.0	4.2
GOALIE	3.3	4.7	4.0
METEOR	5.3	2.7	4.0
MOM LP 3111	6.0	2.0	4.0
OVATION	4.3	3.7	4.0
TORONTO	4.3	3.7	4.0
COWBOY II (WM-II)	4.0	3.7	3.8
DANILO	5.0	2.7	3.8
DUET	3.3	4.3	3.8
MOM LP 3179	2.3	4.7	3.5
PENNFINE	3.7	3.3	3.5
MOM LP 3182	3.0	3.7	3.3
DANARO	1.7	3.0	2.3
LINN	2.3	1.3	1.8
LSD VALUE	1.5	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 18. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	VA1	MEAN
PINNACLE	9.0	9.0
APM	8.7	8.7
MOM LP 3111	8.7	8.7
PLEASURE	8.7	8.7
PST-290	8.7	8.7
RIVIERA	8.7	8.7
ADVENT	8.3	8.3
BAR LP 852	8.3	8.3
BARRAGE ++	8.3	8.3
DANARO	8.3	8.3
DERBY SUPREME	8.3	8.3
EEG 358	8.3	8.3
PR 8820	8.3	8.3
GETTYSBURG	8.3	8.3
MANHATTAN II (E)	8.3	8.3
MOM LP 3147	8.3	8.3
PR 9109	8.3	8.3
PRELUDE II (2P2-90)	8.3	8.3
PST-ZROR	8.3	8.3
REGAL	8.3	8.3
ZPS-ZEZ	8.3	8.3
856	8.0	8.0
89-666	8.0	8.0
AFFINITY (GEN-90)	8.0	8.0
CALIENTE	8.0	8.0
DELAWARE DWARF (4DD)	8.0	8.0
EQUAL	8.0	8.0
EXPRESS	8.0	8.0
FIESTA II	8.0	8.0
HE 311	8.0	8.0
BUCCANEER (KOOS 90-1)	8.0	8.0
LEGACY	8.0	8.0
MOM LP 3184	8.0	8.0
MULLIGAN (NK 89001)	8.0	8.0
PICK DKM	8.0	8.0
PR 9118	8.0	8.0
PR 9121	8.0	8.0
PST-23C	8.0	8.0
PST-2B3	8.0	8.0
REPELL	8.0	8.0
TAYA	8.0	8.0
WVPB 89-92	8.0	8.0
YORKTOWN III (LDRF)	8.0	8.0
ZW 42-176	8.0	8.0
ASSURE	7.7	7.7

DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE

NAME	VA1	MEAN
C-21	7.7	7.7
CUTLESS	7.7	7.7
DANDY	7.7	7.7
DANILIO	7.7	7.7
DUET	7.7	7.7
LINN	7.7	7.7
METEOR	7.7	7.7
MOM LP 3185	7.7	7.7
PICK 9100	7.7	7.7
SR 4200	7.7	7.7
TORONTO	7.7	7.7
BAR LP 086FL	7.3	7.3
CARTEL	7.3	7.3
CLP 39	7.3	7.3
COMPETITOR	7.3	7.3
COWBOY II (WM-II)	7.3	7.3
CUTTER (PICK 89-4)	7.3	7.3
DIMENSION (2H7)	7.3	7.3
ENVY	7.3	7.3
GATOR	7.3	7.3
LORETTA	7.3	7.3
LOWGROW (PICK 89LLG)	7.3	7.3
MOM LP 3179	7.3	7.3
MOM LP 3182	7.3	7.3
MORNING STAR (SYN-P)	7.3	7.3
MVF 89-88	7.3	7.3
NOMAD	7.3	7.3
OVATION	7.3	7.3
PALMER II (P89)	7.3	7.3
PEBBLE BEACH	7.3	7.3
PICK EEC	7.3	7.3
PR 9108	7.3	7.3
PR 9119	7.3	7.3
STALLION SELECT (PS-105)	7.3	7.3
PST-28M	7.3	7.3
PST-20G	7.3	7.3
SEVILLE	7.3	7.3
STATESMAN (WVPB-88PRD12)	7.3	7.3
PRIZM (ZPS-28D)	7.3	7.3
ACHIEVER (PICK 1800)	7.0	7.0
ALLEGRO	7.0	7.0
CALYESO	7.0	7.0
KOOS 90-2	7.0	7.0
LINDSAY	7.0	7.0
PENNANT	7.0	7.0

TABLE 18. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE		
NAME	VA1	MEAN
PREMIER	7.0	7.0
PST-2FF	7.0	7.0
REPELL II (LDRD)	7.0	7.0
SHERWOOD	7.0	7.0
SURPRISE	7.0	7.0
TARGET	7.0	7.0
TOPEKA (WVPB-88PRD10)	7.0	7.0
UNKNOWN	7.0	7.0
WVPB-89-87A	7.0	7.0
BARRAGE	6.7	6.7
CLP 144	6.7	6.7
MVF 89-90	6.7	6.7
OFI-D4	6.7	6.7
OFI-F7	6.7	6.7
CHARGER	6.3	6.3
COMMANDER	6.3	6.3
GOALIE	6.3	6.3
N-33	6.3	6.3
NIGHTHAWK (WVPB-89PRA3)	6.3	6.3
QUICKSTART (PST-2FQR)	6.3	6.3
BRIGHTSTAR (PST-GH-89)	6.0	6.0
CITATION II	6.0	6.0
ELITE (WVPB-88PRC23)	6.0	6.0
ENTRAR	6.0	6.0
EVENING SHADE (POLY-SH)	6.0	6.0
NAVAJO (PST-2DPR)	6.0	6.0
PENNFINE	6.0	6.0
STALLION	6.0	6.0
PATRIOT II	5.7	5.7
RODEO II	5.7	5.7
ACCOLADE	5.3	5.3
SATURN	5.3	5.3
TROUBADOUR	5.3	5.3
LSD VALUE	1.9	1.9

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 19. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	ID2	IL1	OH2	OR9	WA3	MEAN
PRIZM (ZPS-28D)	7.0	6.0	6.7	6.7	6.7	6.6
89-666	9.0	6.3	6.3	5.0	5.7	6.5
PST-28M	5.3	7.0	6.3	6.7	6.7	6.4
FIESTA II	7.7	6.0	6.3	5.7	5.7	6.3
PINNACLE	6.0	7.3	5.7	4.7	7.0	6.1
KOOS 90-2	6.3	6.0	6.3	6.7	5.3	6.1
SEVILLE	6.3	7.0	6.0	6.0	5.3	6.1
PST-2ROR	9.0	.	5.7	4.7	5.0	6.1
MANHATTAN II (E)	7.0	.	6.3	5.3	5.7	6.1
C-21	9.0	6.0	5.7	4.0	5.7	6.1
NIGHTHAWK (WVPB-89PRA3)	8.3	5.7	6.7	5.0	4.7	6.1
ZPS-2EZ	8.0	5.3	5.7	5.7	5.7	6.1
PST-2OG	8.0	5.3	6.3	5.0	5.7	6.1
AFFINITY (GEN-90)	3.0	6.0	6.7	7.7	6.7	6.0
MOM LP 3147	7.3	6.0	6.0	5.7	5.0	6.0
ACHIEVER (PICK 1800)	7.0	6.0	6.7	4.3	5.7	5.9
SR 4200	6.7	6.0	5.3	6.0	5.7	5.9
ASSURE	7.0	6.0	7.0	5.3	4.3	5.9
PENNFINE	6.3	.	5.7	5.7	.	5.9
LEGACY	7.3	6.0	5.7	5.7	4.7	5.9
PICK 9100	8.0	5.0	5.7	5.7	5.0	5.9
PST-2B3	6.7	5.7	6.0	5.7	5.3	5.9
CALYPSO	9.0	5.3	6.3	4.7	3.7	5.8
CUTTER (PICK 89-4)	7.0	7.0	5.7	5.3	4.0	5.8
DIMENSION (2H7)	6.7	4.7	5.7	5.3	6.7	5.8
EEG 358	6.3	6.0	5.7	6.0	5.0	5.8
EXPRESS	8.0	4.7	6.3	6.0	4.0	5.8
MOM LP 3184	4.7	7.0	5.7	5.7	5.7	5.7
OFL-F7	6.0	5.7	5.7	5.7	5.7	5.7
APM	6.0	5.3	6.0	6.7	4.7	5.7
MORNING STAR (SYN-P)	6.7	5.7	5.7	5.7	5.0	5.7
SHERWOOD	5.0	6.7	6.0	5.7	5.3	5.7
DANDY	7.7	7.0	5.3	5.3	3.3	5.7
DELAWARE DWARF (4DD)	7.3	6.0	5.0	5.3	5.0	5.7
CARTEL	8.0	5.0	6.0	3.7	5.7	5.7
PICK EEC	8.0	5.7	5.3	4.7	4.7	5.7
PST-2FF	4.0	.	6.7	6.3	5.7	5.7
UNKNOWN	5.3	.	5.7	6.0	.	5.7
COMMANDER	6.3	6.3	6.3	5.0	4.3	5.7
MOM LP 3185	8.0	.	5.3	4.3	5.0	5.7
PR 9119	7.3	.	5.3	3.7	6.3	5.7
METEOR	5.7	6.7	4.7	5.7	5.3	5.6
NOMAD	6.7	5.7	5.7	4.7	5.3	5.6
PATRIOT II	7.0	5.0	6.0	4.3	5.7	5.6
PLEASURE	7.0	6.0	5.7	5.0	4.3	5.6

RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	ID2	IL1	OH2	OR9	WA3	MEAN
STATESMAN (WVPB-88PRD12)	6.3	.	5.7	4.7	5.7	5.6
LOWGROW (PICK 89LLG)	7.7	.	6.0	4.3	4.3	5.6
ADVENT	4.0	5.0	6.0	6.7	6.0	5.5
COWBOY II (WM-II)	7.0	6.0	5.7	4.7	4.3	5.5
ENTRAR	8.3	4.7	6.3	4.7	3.7	5.5
RIVIERA	4.3	7.3	6.3	5.0	4.7	5.5
BARRAGE	7.3	.	6.0	4.7	4.0	5.5
BRIGHTSTAR (PST-GH-89)	5.5	5.0	6.0	4.7	6.3	5.5
TOPEKA (WVPB-88PRD10)	5.3	.	6.0	6.0	4.7	5.5
DANILO	5.3	7.3	5.3	4.0	5.3	5.5
DERBY SUPREME	5.3	5.3	6.7	5.0	5.0	5.5
GETTYSBURG	6.3	5.7	5.3	6.0	4.0	5.5
RODEO II	6.3	6.0	6.0	3.7	5.3	5.5
SATURN	8.0	6.0	5.7	3.3	4.3	5.5
YORKTOWN III (LDRF)	6.0	5.7	5.7	5.3	4.7	5.5
CITATION II	6.3	.	5.7	4.7	5.0	5.4
PR 9108	6.7	.	5.3	4.0	5.7	5.4
CHARGER	5.7	5.0	6.3	6.0	4.0	5.4
ELITE (WVPB-88PRC23)	5.7	5.7	5.3	4.7	5.7	5.4
ENVY	6.0	5.7	5.7	4.7	5.0	5.4
HE 311	6.7	6.7	5.7	4.7	3.3	5.4
EVENING SHADE (POLY-SH)	8.0	4.7	5.0	4.7	4.3	5.3
NAVAJO (PST-2DPR)	6.3	5.7	6.0	4.7	4.0	5.3
REGAL	7.3	.	5.7	4.7	3.7	5.3
SURPRISE	5.7	6.7	5.7	3.7	5.0	5.3
BAR LP 852	6.7	5.3	6.3	4.0	4.3	5.3
N-33	5.3	6.3	6.3	3.3	5.3	5.3
PST-23C	.	.	5.7	4.3	6.0	5.3
MOM LP 3182	9.0	5.7	5.7	2.7	3.3	5.3
DANARO	4.3	7.7	6.3	3.7	4.3	5.3
OVATION	5.7	7.0	5.3	2.3	6.0	5.3
PEBBLE BEACH	6.3	6.3	5.7	4.0	4.0	5.3
STALLION SELECT (PS-105)	7.3	5.3	5.3	4.0	4.3	5.3
WVPB-89-87A	4.0	7.0	5.7	4.3	5.3	5.3
BAR LP 086FL	5.7	5.7	6.0	4.7	4.0	5.2
BUCCANEER (KOOS 90-1)	6.3	6.0	5.3	3.7	4.7	5.2
OFT-D4	6.0	6.3	5.3	4.7	3.7	5.2
PR 9118	6.7	5.3	5.7	4.0	4.3	5.2
TAYA	6.7	6.0	5.7	4.3	3.3	5.2
ALLEGRO	7.0	6.0	5.0	4.0	3.7	5.1
MVF 89-88	7.0	6.0	5.3	3.3	4.0	5.1
PR 8820	2.7	4.7	6.3	5.7	6.0	5.1
CALIENTE	4.7	6.3	5.7	4.3	4.3	5.1
PR 9121	5.7	4.3	5.7	4.7	4.7	5.0
EQUAL	4.0	5.7	6.0	5.0	4.3	5.0

TABLE 19. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE						
NAME	ID2	IL1	OH2	OR9	WA3	MEAN
LINN	7.0	.	5.7	4.3	3.0	5.0
TARGET	4.7	5.0	5.7	4.7	4.7	4.9
PICK DKM	2.7	5.3	5.7	5.7	5.3	4.9
PRELUDE II (2P2-90)	4.3	5.0	5.7	4.7	5.0	4.9
DUET	3.3	6.0	5.7	4.3	5.3	4.9
GATOR	6.0	.	5.7	5.0	3.0	4.9
PR 9109	5.7	4.7	5.7	4.7	3.7	4.9
WVPB 89-92	5.7	6.7	6.0	3.0	3.0	4.9
ZW 42-176	2.0	7.0	6.7	4.0	4.7	4.9
PALMER II (P89)	4.0	5.0	6.3	4.7	4.3	4.9
PREMIER	4.7	.	5.0	5.7	4.0	4.8
PENNANT	3.0	.	6.0	5.3	5.0	4.8
TROUBADOUR	5.0	6.7	5.7	4.0	2.7	4.8
ACCOLADE	3.3	6.3	5.3	4.3	4.7	4.8
CLP 144	6.0	5.0	5.3	3.7	4.0	4.8
QUICKSTART (PST-2FQR)	3.7	4.7	5.3	5.0	5.3	4.8
LINDSAY	6.0	4.7	5.0	4.0	4.0	4.7
CUTLESS	4.7	5.7	5.3	4.0	3.7	4.7
MULLIGAN (NK 89001)	3.3	6.0	5.3	5.7	3.0	4.7
MOM LP 3111	2.7	5.3	5.7	5.3	4.3	4.7
REPELL II (LDRD)	2.3	4.7	6.3	5.0	5.0	4.7
BARRAGE ++	2.0	7.0	6.3	4.0	3.7	4.6
COMPETITOR	4.3	5.7	5.0	4.0	4.0	4.6
PST-290	3.7	5.0	5.0	5.3	4.0	4.6
MOM LP 3179	6.0	.	5.7	2.7	4.0	4.6
CLP 39	3.7	.	5.3	5.0	4.3	4.6
STALLION	4.3	.	5.0	4.3	4.7	4.6
TORONTO	3.3	6.0	5.3	3.7	4.0	4.5
REPELL	2.0	5.3	5.3	5.0	4.3	4.4
856	3.3	6.0	5.7	3.3	3.3	4.3
MVF 89-90	2.7	5.3	5.7	3.0	4.3	4.2
LORETTA	4.7	.	5.3	3.0	3.7	4.2
GOALIE	4.7	.	4.7	3.3	2.3	3.8
LSD VALUE	4.8	2.0	1.2	1.9	2.2	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 20. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

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

NAME	OR9	MEAN
EEG 358	7.0	7.0
CUTLESS	6.7	6.7
PR 8820	6.7	6.7
MOM IP 3147	6.7	6.7
COWBOY II (WM-II)	6.3	6.3
ELITE (WVPB-88PRC23)	6.3	6.3
PST-2ROR	6.3	6.3
WVPB 89-92	6.3	6.3
BARRAGE	6.0	6.0
CLP 144	6.0	6.0
ENVY	6.0	6.0
LOWGROW (PICK 89LLG)	6.0	6.0
NOMAD	6.0	6.0
PR 9119	6.0	6.0
PST-2B3	6.0	6.0
QUICKSTART (PST-2FQR)	6.0	6.0
ACCOLADE	5.7	5.7
ALLEGRO	5.7	5.7
BAR IP 086FL	5.7	5.7
BARRAGE ++	5.7	5.7
CLP 39	5.7	5.7
CUTTER (PICK 89-4)	5.7	5.7
DUET	5.7	5.7
EVENING SHADE (POLY-SH)	5.7	5.7
LINDSAY	5.7	5.7
LORETTA	5.7	5.7
TROUBADOUR	5.7	5.7
ZPS-2EZ	5.7	5.7
AFFINITY (GEN-90)	5.3	5.3
DANDY	5.3	5.3
HE 311	5.3	5.3
METEOR	5.3	5.3
MOM IP 3111	5.3	5.3
MOM IP 3184	5.3	5.3
NIGHTHAWK (WVPB-89PRA3)	5.3	5.3
PATRIOT II	5.3	5.3
PEBBLE BEACH	5.3	5.3
STALLION SELECT (PS-105)	5.3	5.3
PST-28M	5.3	5.3
STATESMAN (WVPB-88PRD12)	5.3	5.3
TORONTO	5.3	5.3
CALYPSO	5.0	5.0
CHARGER	5.0	5.0
DERBY SUPREME	5.0	5.0
ENTRAR	5.0	5.0

CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE

NAME	OR9	MEAN
GATOR	5.0	5.0
LEGACY	5.0	5.0
MOM LP 3185	5.0	5.0
MVF 89-90	5.0	5.0
NAVAJO (PST-2DPR)	5.0	5.0
OFI-D4	5.0	5.0
PICK EEC	5.0	5.0
PR 9121	5.0	5.0
PST-2FF	5.0	5.0
RIVIERA	5.0	5.0
SURPRISE	5.0	5.0
ZW 42-176	5.0	5.0
ACHIEVER (PICK 1800)	4.7	4.7
C-21	4.7	4.7
COMMANDER	4.7	4.7
GETTYSBURG	4.7	4.7
MVF 89-88	4.7	4.7
N-33	4.7	4.7
PR 9108	4.7	4.7
PR 9109	4.7	4.7
PR 9118	4.7	4.7
PST-23C	4.7	4.7
PST-20G	4.7	4.7
SHERWOOD	4.7	4.7
SR 4200	4.7	4.7
TAYA	4.7	4.7
TOPEKA (WVPB-88PRD10)	4.7	4.7
ASSURE	4.3	4.3
COMPETITOR	4.3	4.3
DANARO	4.3	4.3
DANILO	4.3	4.3
FIESTA II	4.3	4.3
OVATION	4.3	4.3
PRELUDE II (2P2-90)	4.3	4.3
REPELL	4.3	4.3
RODEO II	4.3	4.3
SEVILLE	4.3	4.3
TARGET	4.3	4.3
PRIZM (ZPS-28D)	4.3	4.3
APM	4.0	4.0
BAR LP 852	4.0	4.0
DIMENSION (2H7)	4.0	4.0
EQUAL	4.0	4.0
KOOS 90-2	4.0	4.0
MANHATTAN II (E)	4.0	4.0

TABLE 20. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

CROWN RUST RATINGS 1-9; 9=NO DISEASE

NAME	OR9	MEAN
PST-290	4.0	4.0
STALLION	4.0	4.0
89-666	3.7	3.7
ADVENT	3.7	3.7
BRIGHTSTAR (PST-GH-89)	3.7	3.7
CALIENTE	3.7	3.7
CARTEL	3.7	3.7
DELAWARE DWARF (4DD)	3.7	3.7
EXPRESS	3.7	3.7
BUCCANEER (KOOS 90-1)	3.7	3.7
MORNING STAR (SYN-P)	3.7	3.7
PALMER II (P89)	3.7	3.7
PICK 9100	3.7	3.7
PINNACLE	3.7	3.7
PLEASURE	3.7	3.7
PREMIER	3.7	3.7
REGAL	3.7	3.7
UNKNOWN	3.7	3.7
WVPB-89-87A	3.7	3.7
856	3.3	3.3
CITATION II	3.3	3.3
GOALIE	3.3	3.3
LINN	3.3	3.3
PICK DKM	3.3	3.3
REPELL II (LDRD)	3.3	3.3
YORKTOWN III (LDRF)	3.3	3.3
MOM LP 3179	3.0	3.0
MOM LP 3182	3.0	3.0
OPI-F7	3.0	3.0
PENNANT	3.0	3.0
SATURN	3.0	3.0
MULLIGAN (NK 89001)	2.7	2.7
PENNFINE	2.7	2.7
LSD VALUE	1.4	1.4

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

TABLE 21. MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

MOWING RATINGS 1-9; 9=BEST 1/

NAME	WA3	MEAN
AFFINITY (GEN-90)	8.0	8.0
APM	8.0	8.0
BRIGHTSTAR (PST-GH-89)	8.0	8.0
PICK EEC	8.0	8.0
PRELUDE II (2P2-90)	8.0	8.0
ADVENT	7.7	7.7
ASSURE	7.7	7.7
ELITE (WVPB-88PRC23)	7.7	7.7
PALMER II (P89)	7.7	7.7
PRIZM (ZPS-28D)	7.7	7.7
DELAWARE DWARF (4DD)	7.3	7.3
ENVY	7.3	7.3
HE 311	7.3	7.3
LOWGROW (PICK 89LLG)	7.3	7.3
PATRIOT II	7.3	7.3
PICK 9100	7.3	7.3
STALLION SELECT (PS-105)	7.3	7.3
SR 4200	7.3	7.3
ZPS-ZEZ	7.3	7.3
ZW 42-176	7.3	7.3
ACHIEVER (PICK 1800)	7.0	7.0
BAR LP 086FL	7.0	7.0
COMMANDER	7.0	7.0
DIMENSION (2H7)	7.0	7.0
MANHATTAN II (E)	7.0	7.0
NOMAD	7.0	7.0
PST-28M	7.0	7.0
PST-290	7.0	7.0
PST-20G	7.0	7.0
PST-2ROR	7.0	7.0
REPELL	7.0	7.0
SATURN	7.0	7.0
SEVILLE	7.0	7.0
YORKTOWN III (LDRF)	7.0	7.0
ACCOLADE	6.7	6.7
CUTTER (PICK 89-4)	6.7	6.7
DANDY	6.7	6.7
FIESTA II	6.7	6.7
GETTYSBURG	6.7	6.7
LEGACY	6.7	6.7
NIGHTHAWK (WVPB-89PRA3)	6.7	6.7
PICK DKM	6.7	6.7
PST-2B3	6.7	6.7
PST-2FF	6.7	6.7
QUICKSTART (PST-2FQR)	6.7	6.7

MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS
1992 DATA

MOWING RATINGS 1-9; 9=BEST

NAME	WA3	MEAN
SHERWOOD	6.7	6.7
TARGET	6.7	6.7
TAYA	6.7	6.7
89-666	6.3	6.3
CALYPSO	6.3	6.3
CUTLESS	6.3	6.3
DANILO	6.3	6.3
PR 8820	6.3	6.3
GATOR	6.3	6.3
BUCCANEER (KOOS 90-1)	6.3	6.3
KOOS 90-2	6.3	6.3
MORNING STAR (SYN-P)	6.3	6.3
OFI-F7	6.3	6.3
PEBBLE BEACH	6.3	6.3
PLEASURE	6.3	6.3
PR 9119	6.3	6.3
REPELL II (LDRD)	6.3	6.3
RIVIERA	6.3	6.3
STATESMAN (WVPB-88PRD12)	6.3	6.3
TOPEKA (WVPB-88PRD10)	6.3	6.3
WVPB 89-92	6.3	6.3
WVPB-89-87A	6.3	6.3
BAR IP 852	6.0	6.0
CHARGER	6.0	6.0
COMPETITOR	6.0	6.0
EQUAL	6.0	6.0
EXPRESS	6.0	6.0
LINDSAY	6.0	6.0
NAVAJO (PST-2DPR)	6.0	6.0
PR 9121	6.0	6.0
PST-23C	6.0	6.0
CITATION II	5.7	5.7
DANARO	5.7	5.7
EVENING SHADE (POLY-SH)	5.7	5.7
MOM IP 3147	5.7	5.7
MULLIGAN (NK 89001)	5.7	5.7
MVF 89-88	5.7	5.7
MVF 89-90	5.7	5.7
OFI-D4	5.7	5.7
PENNANT	5.7	5.7
RODEO II	5.7	5.7
ALLEGRO	5.3	5.3
C-21	5.3	5.3
CALIENTE	5.3	5.3
CLP 39	5.3	5.3

TABLE 21. MOWING RATINGS OF PERENNIAL RYEGRASS CULTIVARS
(cont'd) 1992 DATA

MOWING RATINGS 1-9; 9=BEST

NAME	WA3	MEAN
COWBOY II (WM-II)	5.3	5.3
LORETTA	5.3	5.3
N-33	5.3	5.3
PINNACLE	5.3	5.3
PR 9108	5.3	5.3
PR 9109	5.3	5.3
PR 9118	5.3	5.3
REGAL	5.3	5.3
STALLION	5.3	5.3
856	5.0	5.0
BARRAGE	5.0	5.0
CLP 144	5.0	5.0
DERBY SUPREME	5.0	5.0
GOALIE	5.0	5.0
MOM LP 3111	5.0	5.0
MOM LP 3179	5.0	5.0
MOM LP 3184	5.0	5.0
BARRAGE ++	4.7	4.7
ENTRAR	4.7	4.7
MOM LP 3185	4.7	4.7
PREMIER	4.7	4.7
CARTEL	4.3	4.3
DUET	4.3	4.3
MOM LP 3182	4.3	4.3
OVATION	4.3	4.3
SURPRISE	4.3	4.3
TORONTO	4.3	4.3
TROUBADOUR	4.3	4.3
EEG 358	4.0	4.0
METEOR	3.7	3.7
LINN	2.7	2.7
LSD VALUE	1.3	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).