

## **NATIONAL TURFGRASS EVALUATION PROGRAM**

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

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

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

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

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Dr. Donald Floyd, Pickseed West, Inc.  
Dr. Michael Kenna, USGA Green Section  
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Dr. Dennis Martin, Oklahoma State University  
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# 1999 NATIONAL PERENNIAL RYEGRASS TEST

## LOCATIONS SUBMITTING DATA FOR 2000

<u>State</u>	<u>Location</u>	<u>Code</u>
California	Sunnyvale	CA6
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Maine	Orono	ME1
Maryland	College Park	MD1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Missouri	Columbia	MO1
Missouri	St. Louis (Traffic Study)	MO3
Montana	Bozeman	MT1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
New York	Ithaca	NY1
New York	Ithaca (Traffic Study)	NY2
Nova Scotia	Truro	NS1
Ohio	Columbus	OH1
Pennsylvania	University Park	PA1
Quebec	Quebec	QE1
Rhode Island	Kingston	RI1
South Dakota	Brookings	SD1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Washington	Puyallup (Fairway)	WA3
Washington	Puyallup (Traffic Study)	WA4
Wisconsin	Madison	WI1
*Illinois	Urbana (Grey Leaf Spot Study)	IL4

\* Only percent establishment for 1999.

## 1999 NATIONAL PERENNIAL RYEGRASS TEST

### Entries and Sponsors

Entry	Name	Sponsor	Entry	Name	Sponsor
1	Calypso II	Roberts Seed Company	68	PST-2BR	Pure-Seed Testing, Inc.
2	Racer	Roberts Seed Company	69	PST-CATS	Pure-Seed Testing, Inc.
3	Fiesta 3	Pickseed West, Inc.	70	Manhattan 4 (PST-2CRL)	Pure-Seed Testing, Inc.
4	Linn	Standard Entry	71	PST-2LA	Pure-Seed Testing, Inc.
5	Buccaneer	Standard Entry	72	Brightstar II	Turf-Seed, Inc.
6	Pick PR 1-94	Pickseed West, Inc.	73	Catalina	Turf-Seed, Inc.
7	Passport	Roberts Seed Company	74	Manhattan 3	Turf-Seed/Turf Merchants
8	Headstart	Roberts Seed Company	75	Charger II	Turf-Seed, Inc.
9	LPR 98-143	Deutsche Saatveredelung	76	Palmer III	Standard Entry
10	LPR 98-144	Deutsche Saatveredelung	77	Phantom	ProSeeds Marketing, Inc.
11	YatsuGreen	Nichino Ryokka Co., Ltd.	78	ABT-99-4.339	Pure-Seed Testing, Inc.
12	Secretariat	Grassland West Company	79	ABT-99-4.464	ProSeeds Marketing, Inc.
13	Pizzazz	Turf Merchants, Inc.	80	ABT-99-4.600	Pure-Seed Testing, Inc.
14	Promise	Turf Merchants, Inc.	81	ABT-99-4.721	ProSeeds Marketing, Inc.
15	Paragon	Turf Merchants, Inc.	82	ABT-99-4.815	ProSeeds Marketing, Inc.
16	Pick RC2	Pickseed West, Inc.	83	ABT-99-4.834	ProSeeds Marketing, Inc.
17	Pick EX2	Pickseed West, Inc.	84	Cathedral II	ProSeeds Marketing, Inc.
18	Affinity	Standard Entry	85	Panther	ProSeeds Marketing, Inc.
19	APR 1234	Advanta Seeds Pacific, Inc.	86	Seville II	Pickseed West, Inc.
20	APR 1233	Advanta Seeds Pacific, Inc.	87	Pennant II	ProSeeds Marketing, Inc.
21	Koos R-71	Willamette Valley Plant Breeders	88	DP 17-9496	DLF-Trifolium
22	WVPB-R-82	Willamette Valley Plant Breeders	89	DP LP-1	DLF-Trifolium
23	WVPB-R-84	Willamette Valley Plant Breeders	90	DP 17-9069	DLF-Trifolium
24	APR 1236	Smith Seed Services	91	DP 17-9391	DLF-Trifolium
25	Nexus	Smith Seed Services	92	Allsport	LESCO, Inc.
26	DLF-LDD	DLF-Trifolium	93	Line Drive	LESCO, Inc.
27	NJ-6401	Rutgers University	94	Wilmington	LESCO, Inc.
28	Roberts-627	Roberts Seed Company	95	Facsetter (6011)	LESCO, Inc.
29	LTP 98-501	Lebanon Seaboard Corp.	96	AG-P981	LESCO, Inc.
30	Applaud (Pennington-11301)	Pennington Seed Company	97	Prowler (APR 777)	Turf Merchants, Inc.
31	Kokomo (CIS-PR-69)	Grassland Oregon	98	APR 776	Advanta Seeds Pacific, Inc.
32	CIS-PR-75	Cebeco International Seeds	99	APR 1231	Advanta Seeds Pacific, Inc.
33	All Star <sup>2</sup> (CIS-PR-78)	Cebeco International Seeds	100	APR 1232	Advanta Seeds Pacific, Inc.
34	Cabo (CIS-PR-80)	Grassland Oregon	101	SRX 4801	Seed Research of Oregon
35	CIS-PR-84	Cebeco International Seeds	102	SR 4500	Seed Research of Oregon
36	Gator 3 (CIS-PR-85)	Cebeco International Seeds	103	SRX 4120	Seed Research of Oregon
37	R8000	The Scotts Company	104	SRX 4RHT	Seed Research of Oregon
38	Majesty	The Scotts Company	105	Elfkin	Jenks Seed Connection
39	Divine	The Scotts Company	106	CAS-LP84	Cascade Int'l Seed Co.
40	Ascend	The Scotts Company	107	MDP	Cascade Int'l Seed Co.
41	Pleasure XL	Ampac Seed Company	108	EPD	Mountain View Seeds, Ltd.
42	B1	Ampac Seed Company	109	EP53	Grassland West Co.
43	APR 1235	Advanta Seeds Pacific, Inc.	110	Superstar (EP57)	Mountain View Seeds, Ltd.
44	APR 1237	Advanta Seeds Pacific, Inc.	111	Skyhawk	Forbes Seed & Grain
45	Churchill	Lebanon Seaboard Corp.	112	MP88	Jenks Seed Connection
46	Exacta	Lebanon Seaboard Corp.	113	MP107	Cascade Int'l Seed Co.
47	Affirmed	Lebanon Seaboard Corp.	114	MP103	Cascade Int'l Seed Co.
48	LTP-ME	Lebanon Seaboard Corp.	115	MEPY	Jenks Seed Connection
49	Barlennium	Barenbrug USA, Inc.	116	ABT-99-4.115	ProSeeds Marketing, Inc.
50	Pinnacle II (BAR 9 B2)	Barenbrug USA, Inc.	117	ABT-99-4.560	ProSeeds Marketing, Inc.
51	Premier II	Barenbrug USA, Inc.	118	ABT-99-4.625	ProSeeds Marketing, Inc.
52	Premier	Standard Entry	119	ABT-99-4.709	ProSeeds Marketing, Inc.
53	Monterey II (JR-187)	Simplot Turf and Horticulture	120	ABT-99-4.724	ProSeeds Marketing, Inc.
54	Galaxy (JR-128)	Simplot Turf and Horticulture	121	A5C (ABT-99-4.960)	Blue Moon Farms
55	Extreme (JR-317)	Simplot Turf and Horticulture	122	ABT-99-4.965	ProSeeds Marketing, Inc.
56	Admire (JR-151)	Simplot Turf and Horticulture	123	Stellar (CIS-PR-72)	Mountain View Seeds, Ltd.
57	Edge	Pickseed West, Inc.	124	PST-2JH	Pure-Seed Testing, Inc.
58	Pick PR QH-97	Pickseed West, Inc.	125	PST-2L96	Pure-Seed Testing, Inc.
59	Pick MDR	Pickseed West, Inc.	126	SRX 4820	Seed Research of Oregon
60	Pick PRNGS	Pickseed West, Inc.	127	MB 412 (ABT-99-4.461)	The Scotts Company
61	Pick PR B-97	Pickseed West, Inc.	128	MB 410 (ABT-99-4.629)	The Scotts Company
62	PST-2RT	Pure-Seed Testing, Inc.	129	MB 413 (ABT-99-4.633)	The Scotts Company
63	Brightstar SLT (PST-2A6B)	Pure-Seed Testing, Inc.	130	MB 411 (ABT-99-4.753)	The Scotts Company
64	PST-2SBE	Pure-Seed Testing, Inc.	131	MB 414 (ABT-99-4.903)	The Scotts Company
65	PST-2CRR	Pure-Seed Testing, Inc.	132	Radiant	ProSeeds Marketing, Inc.
66	PST-2M4	Pure-Seed Testing, Inc.	133	Jet	Pennington Seed Co.
67	PST-2SLX	Pure-Seed Testing, Inc.	134	BY-100	Brett Young Seeds, Ltd.

**NOTE: Entries #81, 82, 118 and 122 were removed from this Progress Report due to non-payment of entry fees.**

TABLE A.

2000 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 1999 NATIONAL PERENNIAL RYEGRASS TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
CA6	LOAM	6.6-7.0	61-150	0-150	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	271-450	241-375	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
IL4	-	-	-	-	-	FULL SUN	0.6-1.0	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	7.1-7.5	151-270	501+	2.1-3.0	-	-	-
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	1.1-1.5	ONLY DURING SEVERE STRESS
MD1	SILT LOAM AND SILT	5.6-6.0	61-150	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
ME1	SANDY LOAM	6.6-7.0	0-60	501+	-	FULL SUN	-	TO PREVENT STRESS
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MN1	SILTY CLAY LOAM	6.6-7.0	61-150	241-375	4.1-5.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
MO1	SILT LOAM AND SILT	6.6-7.0	61-150	376-500	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
MO3	SANDY CLAY LOAM	6.1-6.5	61-150	61-150	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT DORMANCY
MT1	SILT LOAM AND SILT	7.1-7.5	61-150	501+	0.0-1.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NE1	SILTY CLAY LOAM	5.5	0-60	0-150	0.0-1.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NJ1	SANDY LOAM	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NJ2	SANDY LOAM	6.1-6.5	271-450	376-500	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
NS1	SANDY LOAM	6.1-6.5	451+	501+	1.1-2.0	FULL SUN	1.6-2.0	ONLY DURING SEVERE STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
NY2	SANDY LOAM	6.1-6.5	151-270	241-375	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT DORMANCY
OH1	SILT LOAM AND SILT	6.6-7.0	0-60	241-375	2.1-3.0	PARTIAL SHADE	2.6-3.0	ONLY DURING SEVERE STRESS
PA1	LOAM	6.1-6.5	271-450	151-240	3.1-4.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
QE1	-	-	-	-	-	-	-	-
RI1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
SD1	SILTY CLAY LOAM	7.6-8.5	0-60	241-375	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UT1	SILTY CLAY AND CLAY	7.6-8.5	0-60	151-240	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
VA1	SILT LOAM AND SILT	6.6-7.0	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	2.1-3.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
WA3	SANDY LOAM	5.6-6.0	0-60	151-240	4.1-5.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
WA4	SAND	5.6-6.0	0-60	0-150	8.1+	FULL SUN	1.1-1.5	TO PREVENT STRESS
WI1	SANDY LOAM	5.6-6.0	61-150	376-500	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 2000

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
CA6					X	X	X	X	X	X	X	X	X		X
IA1					X	X	X	X	X	X			X	X	
IL1				X	X	X	X	X	X	X			X	X	
IL2			X	X	X	X	X	X	X	X			X		X
IL4															
IN1					X	X	X	X	X	X			X	X	
KS1				X	X	X	X	X	X	X					
KY1			X	X	X	X	X	X	X	X			X		
MD1					X	X	X	X	X	X	X		X	X	X
ME1								X	X	X			X		
MI1				X	X	X	X	X	X	X	X		X	X	X
MN1				X	X	X	X	X	X	X			X	X	
MO1			X	X	X	X	X	X	X	X			X	X	
MO3			X	X	X	X	X	X	X	X			X		
MT1								X	X	X			X		X
NE1				X	X	X	X	X	X	X			X	X	X
NJ1			X	X	X	X	X	X	X	X	X		X	X	
NJ2			X	X	X	X	X	X	X	X	X		X		
NS1				X	X	X	X	X	X	X			X	X	
NY1									X	X			X		X
NY2								X	X	X	X		X		X
OH1				X	X	X	X	X	X	X	X		X		
PA1						X	X	X	X	X			X		
QE1						X	X	X		X			X	X	
RI1						X	X	X	X	X	X		X	X	
SD1				X	X	X	X	X	X				X		
UT1					X	X	X	X	X	X			X		
VA1			X	X	X	X	X	X	X	X	X		X	X	
WA1						X	X	X	X	X			X		
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X		
WA4	X	X	X	X	X	X	X	X	X	X	X	X	X		
WI1				X	X	X	X	X	X	X			X	X	



TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 2000

LOCATION	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	LEAF SPOT	STEM RUST	DOLLAR SPOT	RED THREAD	CROWN RUST
CA6	X						X						
IA1	X												
IL1													
IL2	X												
IL4													
IN1	X												
KS1													
KY1		X	X	X									
MD1													
ME1													
MI1	X	X	X	X	X	X	X			X			
MN1	X												
MO1													
MO3													
MT1	X		X	X									
NE1	X	X	X	X									
NJ1	X										X		X
NJ2	X												
NS1	X												
NY1	X						X						
NY2	X									X			
OH1	X												
PA1			X										
QE1		X	X										
RI1	X												
SD1	X	X	X										
UT1	X		X										
VA1								X					
WA1	X												
WA3	X		X	X					X				
WA4	X	X		X		X		X				X	
WI1		X	X	X									

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 2000

LOCATION	GRAY LEAF SPOT	SNOW MOLD	PERCENT ESTABLISHMENT	MELTING OUT (JULY)	WINTER DENSITY	RUST RATINGS	PERCENT ESTABLISHMENT		PERCENT ESTABLISHMENT RATING				RED THREAD RATINGS					
							FALL (1999)	SPRING (2000)	MAY	JUNE	JULY	AUGUST	MAY	JUNE	JULY	AUGUST		
CA6																		
IA1			X															
IL1			X															
IL2	X																	
IL4			X															
IN1																		
KS1																		
KY1				X														
MD1																		
ME1			X															
MI1																		
MN1																		
MO1			X				X	X										
* MO3																		
MT1																		
NE1			X															
NJ1																		
NJ2																		
NS1			X															
NY1																		
NY2																		
OH1																		
PA1																		
QE1										X	X	X	X					
RI1																		
SD1																		
UT1			X															
VA1																		
WA1																		
WA3						X												
* WA4			X			X								X	X	X	X	
WI1		X					X											

\* MORE TRAFFIC STUDY DATA FOR MO3 (TABLE 33) AND WA4 (TABLE 35).

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA 1/  
2000 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/													
	CA6	IA1	IL1	IL2	IN1	KS1	KY1	MD1	ME1	MI1	MN1	MO1	MT1	NE1
ROBERTS-627	6.9	5.7	6.3	6.8	4.4	6.4	9.0	5.6	6.9	7.3	6.0	4.9	7.1	6.4
* APPLAUD (PENNINGTON-11301)	7.0	5.3	5.6	7.5	5.3	5.5	8.7	4.8	7.4	6.8	5.8	5.2	7.6	7.4
* CHARISMATIC (LTP 98-501)	6.5	5.2	5.8	7.3	5.5	6.4	8.7	5.3	7.3	7.0	5.6	4.7	6.6	6.5
R8000	6.5	5.2	5.0	7.3	5.9	5.8	8.3	5.2	7.8	6.5	5.8	5.3	6.8	6.8
* PIZZAZZ	6.5	5.6	5.8	6.5	6.2	5.8	8.6	5.0	7.3	6.8	6.0	4.9	6.4	6.4
PST-2L96	6.3	5.6	6.3	7.0	5.2	6.2	8.6	5.3	6.9	6.7	5.7	5.3	7.3	6.8
NJ-6401	6.4	5.1	5.4	7.1	5.2	6.0	8.1	5.4	6.4	7.0	5.7	5.4	7.0	6.3
DLF-LDD	6.3	5.1	5.2	7.0	4.7	6.1	8.4	5.1	7.0	6.9	5.7	4.9	7.1	6.0
KOKOMO (CIS-PR-69)	6.7	5.2	6.0	7.1	5.3	6.0	8.8	4.7	6.8	6.6	5.6	5.0	6.1	6.6
PST-2BR	6.6	5.4	5.9	7.3	5.6	5.1	8.7	5.0	6.3	7.0	5.7	5.5	6.8	5.8
* SEVILLE II	6.7	5.2	5.6	7.0	5.4	5.5	8.2	4.9	6.6	6.8	5.4	5.6	6.9	5.9
SRX 4820	6.6	5.4	5.7	6.3	5.2	5.5	8.8	5.1	7.8	6.5	5.7	4.9	7.2	6.8
* ALL STAR <sup>2</sup> (CIS-PR-78)	6.4	5.7	6.0	6.1	6.1	5.9	8.6	4.8	6.7	6.6	5.9	5.0	7.2	5.7
* AMAZING (B1)	6.4	5.1	5.9	7.0	5.5	5.5	8.8	5.1	7.1	6.9	5.8	5.1	6.3	6.5
PINNACLE II (BAR 9 B2)	6.8	5.6	6.3	7.0	4.4	5.9	8.2	4.7	6.8	6.4	5.7	5.2	7.2	5.7
SRX 4801	6.3	5.3	5.7	7.0	4.3	5.6	8.6	4.6	8.0	6.7	5.2	5.0	6.4	6.7
CIS-PR-84	6.6	5.4	5.9	6.9	4.8	5.4	8.8	4.8	7.2	6.5	5.8	5.0	6.3	6.3
PICK MDR	6.5	5.7	6.0	6.4	4.4	5.7	8.6	4.8	7.1	7.0	5.3	4.8	6.3	6.5
* GATOR 3 (CIS-PR-85)	6.7	5.3	5.8	6.7	4.7	6.1	8.5	5.4	7.3	6.9	5.4	5.2	6.8	6.0
* JET	7.0	5.2	5.9	6.4	5.3	5.4	8.5	4.7	7.2	6.7	5.7	5.3	6.1	6.2
* EXACTA	6.4	5.7	6.5	7.0	5.9	5.2	8.5	5.2	6.0	6.6	5.2	5.5	7.0	6.3
SRX 4RHT	6.3	5.3	5.8	5.9	5.7	6.0	8.3	4.8	7.4	6.9	6.0	5.5	6.7	5.9
* CHURCHILL	6.1	5.2	6.0	7.2	5.7	6.0	8.6	5.1	7.1	6.4	5.4	5.0	6.4	6.0
* STELLAR (CIS-PR-72)	6.1	5.1	5.7	6.3	5.6	6.0	8.4	4.5	7.6	6.8	5.8	4.8	6.7	5.7
* FIESTA 3	6.5	5.3	5.3	6.8	5.7	5.6	7.7	4.8	7.3	6.4	5.3	5.4	6.2	6.6
* PREMIER II	6.2	5.4	5.8	7.0	4.8	5.5	7.8	5.0	7.2	6.6	5.1	5.3	7.1	6.3
* SR 4500	6.4	5.0	5.8	6.8	4.9	5.4	7.9	5.3	7.2	6.7	5.9	5.3	6.2	6.7
ABT-99-4.834	6.4	5.1	5.7	6.4	4.3	5.3	8.7	4.6	7.9	6.5	5.7	4.9	6.9	5.8
ABT-99-4.115	6.1	4.9	5.6	6.5	4.4	6.1	7.8	4.7	7.6	6.5	5.9	5.3	7.4	5.7
ABT-99-4.724	6.8	5.0	5.7	6.5	6.1	4.9	8.3	4.3	6.8	6.7	5.2	4.9	6.7	6.4
* AFFIRMED	6.5	5.3	6.7	6.8	5.0	5.3	8.0	5.0	7.1	6.6	5.4	5.7	6.8	6.5
* PICK RC2	5.9	5.6	6.0	7.0	5.3	6.0	7.7	5.2	6.4	6.6	5.7	5.3	6.3	5.9
* RADIANT	6.1	5.4	5.9	5.8	5.7	5.3	8.7	4.9	6.9	6.5	5.6	4.8	6.4	6.7
* NEXUS	6.4	5.2	5.2	6.3	4.2	5.9	8.8	5.2	6.1	6.7	5.4	4.6	7.0	5.9
ABT-99-4.560	6.1	5.1	5.7	7.1	5.2	5.1	8.2	5.2	6.9	6.7	5.3	4.9	7.7	5.4
PICK PR QH-97	6.5	5.4	5.5	6.6	4.1	5.9	8.2	5.0	7.3	6.5	5.7	4.7	6.6	5.5
CABO (CIS-PR-80)	6.3	5.5	5.8	6.6	4.5	6.3	8.7	5.0	6.3	6.3	5.3	5.0	7.2	6.0
MB 411 (ABT-99-4.753)	5.9	5.3	5.3	5.8	5.1	5.8	8.6	5.1	7.1	6.7	5.8	4.8	6.7	6.7
* PROMISE	6.2	5.4	5.7	6.1	5.9	5.5	8.0	5.1	7.3	6.6	5.1	4.4	5.7	6.3
* PARAGON	6.3	5.2	5.0	6.9	4.4	5.6	7.9	5.2	7.3	6.5	5.4	4.7	5.3	6.9
MB 410 (ABT-99-4.629)	6.0	5.2	5.9	5.9	5.4	6.2	8.3	5.1	7.6	6.6	5.5	4.7	7.1	6.1
MB 412 (ABT-99-4.461)	6.0	5.1	5.7	6.1	4.9	5.4	8.5	5.6	6.4	6.6	5.3	4.9	6.8	6.3
* BARLENNIUM	6.3	5.1	6.2	6.9	5.2	5.3	7.9	5.4	4.9	6.4	5.6	5.0	7.4	5.8
* PACESETTER (6011)	6.2	5.1	5.3	6.5	4.8	5.3	8.0	5.0	7.1	6.3	5.4	5.1	8.3	5.9

TABLE 1.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF													
	CA6	IA1	IL1	IL2	IN1	KS1	KY1	MD1	ME1	MI1	MN1	MO1	MT1	NE1
MB 413 (ABT-99-4.633)	5.9	5.3	5.8	5.9	4.7	5.4	8.7	4.5	6.8	6.5	5.5	4.7	6.0	6.6
MANHATTAN 4 (PST-2CRL)	6.6	5.1	5.3	6.9	4.7	5.4	8.5	4.8	7.1	6.6	5.6	5.7	6.7	6.3
CIS-PR-75	6.5	5.3	5.3	6.5	4.3	5.6	8.3	5.4	7.1	6.6	5.5	4.2	7.0	6.1
PICK PR B-97	6.1	4.8	5.8	6.6	5.6	6.0	8.1	5.1	6.9	6.8	5.8	4.9	6.1	6.1
A5C (ABT-99-4.960)	6.5	5.2	6.1	6.0	5.2	5.7	8.7	5.1	7.0	6.8	5.1	4.9	6.3	6.0
PST-2JH	6.1	5.1	5.4	6.4	5.3	5.4	7.5	5.1	7.1	6.7	5.8	4.8	7.2	5.8
* PENNANT II	5.7	5.3	5.1	5.8	4.8	6.3	7.7	5.4	6.3	6.7	5.5	4.7	5.9	5.4
ABT-99-4.464	6.1	5.1	5.2	6.5	5.5	5.3	8.0	4.7	6.0	6.4	5.9	5.2	7.0	6.4
PST-2SLX	6.2	5.2	5.5	6.5	4.4	5.8	7.7	5.4	6.4	6.6	5.9	5.0	6.1	5.8
* BRIGHTSTAR II	6.3	5.2	5.3	6.4	4.7	5.6	7.9	5.0	7.1	6.5	5.6	5.0	6.3	5.9
BRIGHTSTAR SLT (PST-2A6B)	6.3	5.0	5.2	6.8	4.7	5.2	8.2	4.9	6.9	6.7	6.3	5.3	5.8	6.4
MB 414 (ABT-99-4.903)	5.8	5.2	5.6	6.5	5.3	5.8	8.7	5.0	7.1	6.4	5.0	5.3	6.2	6.3
* WILMINGTON	6.3	5.3	5.5	6.8	5.4	5.7	8.6	4.9	6.4	6.4	5.3	4.7	7.2	5.3
* MAJESTY	6.1	5.1	5.6	7.0	5.5	6.2	7.8	5.1	6.6	6.4	5.5	5.3	7.0	6.4
* ELFKIN	6.3	5.2	5.6	5.6	4.7	5.2	8.3	5.2	7.0	6.8	6.0	5.4	5.9	6.0
PST-2CRR	6.1	5.7	5.0	6.1	5.1	5.5	7.5	4.7	5.9	6.3	6.2	5.1	6.6	5.7
MP88	6.1	5.3	4.9	5.6	4.3	5.6	8.2	5.2	6.8	6.7	5.8	5.3	6.6	5.9
PST-2M4	6.0	5.1	5.7	6.5	5.6	5.3	8.1	5.0	5.9	6.8	6.0	5.6	5.9	5.8
* PALMER III	6.2	5.2	5.5	6.0	5.6	5.8	7.0	4.9	6.9	6.6	5.5	4.9	6.6	6.4
PICK PR 1-94	6.2	5.2	5.4	6.9	5.9	5.1	8.2	4.9	6.3	6.4	5.0	4.7	6.4	6.8
ABT-99-4.339	6.3	5.1	6.0	6.4	5.2	6.0	7.8	5.0	6.6	6.7	5.4	5.1	6.8	5.8
MP107	6.1	5.7	5.4	5.6	4.2	5.9	7.9	4.7	6.2	6.6	5.4	5.0	7.4	5.8
* ADMIRE (JR-151)	5.9	5.2	5.5	6.9	4.2	6.3	7.0	4.6	7.0	6.4	6.0	5.3	7.1	5.9
PST-2RT	6.2	5.3	5.5	7.4	5.2	5.0	7.5	4.8	6.1	6.7	5.6	5.4	6.7	5.8
* DIVINE	5.9	5.0	5.3	6.6	5.1	5.2	7.3	5.0	6.1	6.7	5.3	4.8	6.8	6.1
UT-1000 (ABT-99-4.709)	6.1	5.1	5.3	6.6	4.8	5.8	8.1	5.1	6.3	6.5	5.5	4.8	6.7	6.2
PST-2LA	6.3	5.4	5.3	6.5	5.5	5.4	7.4	4.8	7.2	6.8	5.3	5.3	6.2	5.4
PICK PRNGS	6.2	5.4	5.6	6.7	4.8	5.7	7.3	5.2	6.6	6.3	5.9	5.1	5.7	6.2
* GALAXY (JR-128)	5.6	5.1	5.3	6.5	4.4	5.2	7.5	5.1	6.2	6.6	5.8	5.0	6.8	6.6
MP103	6.0	5.3	5.9	6.0	5.1	5.4	7.8	4.5	6.0	6.7	5.2	5.0	7.6	6.0
* CHARGER II	6.3	5.2	5.4	6.8	5.8	5.8	7.4	4.9	5.0	6.6	5.4	5.3	7.1	5.6
PST-CATS	6.3	4.9	5.7	6.5	4.6	6.1	7.5	5.2	6.7	6.5	5.4	4.9	6.3	5.5
* MONTEREY II (JR-187)	6.0	4.9	5.6	6.3	4.6	5.2	7.0	4.6	6.0	6.5	5.2	5.5	6.6	6.4
* CALYPSO II	6.3	5.2	4.9	7.0	4.1	5.6	7.7	4.9	6.9	6.5	5.1	5.0	6.0	5.6
* SECRETARIAT	6.2	5.1	5.6	6.4	5.3	5.8	7.0	4.7	6.0	6.2	5.7	5.2	6.0	5.8
* ASCEND	5.6	5.0	5.3	6.5	5.2	6.1	7.7	5.1	6.2	6.5	5.2	5.1	6.0	6.4
APR 1237	6.0	5.4	5.7	6.6	5.1	5.2	7.9	5.1	6.3	6.4	5.3	5.4	6.3	5.9
PST-2SBE	6.0	5.1	5.5	6.2	4.7	5.5	7.8	5.2	6.8	6.5	5.3	5.0	6.3	4.8
* EP53	6.3	5.2	5.0	5.9	5.6	5.3	7.4	4.6	5.9	6.4	5.3	5.1	6.8	5.7
* CATALINA	6.2	5.1	5.3	5.9	5.9	5.4	7.5	5.2	6.3	6.5	5.7	5.0	7.1	5.8
* MANHATTAN 3	6.1	4.9	5.4	6.6	4.7	5.9	8.1	5.0	5.2	6.7	5.0	5.4	7.2	5.1
APR 1233	5.8	5.0	5.9	6.5	4.8	5.9	7.2	4.6	6.3	6.2	5.2	5.3	5.7	6.8
* PANTHER	5.9	4.9	5.0	5.7	5.1	5.3	6.6	4.8	6.7	6.5	5.4	5.1	6.0	6.4
APR 776	6.0	5.1	5.3	5.6	5.3	5.8	7.5	4.8	6.7	6.5	5.1	5.2	6.4	7.3
EPD	5.9	5.1	5.3	5.4	3.6	5.3	7.8	5.2	6.2	6.6	5.2	4.9	6.4	5.6

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA6	IA1	IL1	IL2	IN1	KS1	KY1	MD1	ME1	MI1	MN1	MO1	MT1	NE1
* LINE DRIVE	5.6	5.1	5.1	6.5	4.6	5.5	7.7	5.0	5.7	6.3	5.2	5.3	7.4	5.4
* PLEASURE XL	5.8	5.2	5.8	6.5	5.4	5.8	7.9	5.1	5.8	6.5	5.2	4.8	6.0	6.3
* CATHEDRAL II	6.3	5.4	5.0	6.3	4.1	5.5	7.4	4.8	6.7	6.5	5.7	5.5	6.0	5.6
* EXTREME (JR-317)	5.3	4.9	5.7	6.7	4.6	5.8	7.2	4.9	6.4	6.6	5.4	4.9	6.0	6.2
* PHANTOM	6.1	5.3	5.1	5.5	4.8	5.2	7.2	4.6	5.8	6.5	5.3	5.0	6.4	5.6
* ALLSPORT	5.7	5.2	5.0	5.6	5.0	5.2	7.3	4.8	5.7	6.6	5.9	5.1	6.2	5.8
* RACER	5.5	5.1	5.3	6.6	5.4	5.9	7.3	5.1	7.4	6.4	5.1	5.0	5.6	6.1
LPR 98-144	5.5	4.9	5.4	6.1	4.7	6.0	6.8	5.0	6.2	6.5	5.4	4.7	5.9	6.7
APR 1232	5.8	5.0	5.8	6.7	4.7	5.9	6.8	4.6	6.7	6.5	4.9	4.8	6.7	5.8
APR 1231	5.7	4.9	5.5	5.9	5.2	5.8	6.8	4.9	6.4	6.6	5.4	5.5	6.8	5.8
* PREMIER	5.8	5.3	5.0	6.7	4.4	5.4	6.7	4.4	6.1	6.1	5.7	5.8	6.2	5.6
MEPY	5.8	4.9	5.0	6.0	4.3	5.7	7.6	4.8	6.0	6.4	5.2	4.9	6.9	5.4
* CAS-LP84	6.2	5.2	5.1	5.3	4.1	5.6	7.3	5.0	6.3	6.8	5.7	4.9	5.8	5.5
ABT-99-4.600	5.8	4.9	5.0	5.9	4.7	5.3	7.7	4.6	6.6	6.5	5.5	5.2	6.7	5.6
SUPERSTAR (EP57)	5.9	5.1	4.6	5.7	4.9	5.3	7.8	4.4	6.3	6.5	5.4	4.8	6.3	4.7
* PARADIGM (APR 1236)	5.9	5.3	5.2	6.8	4.1	5.4	8.2	4.7	5.4	6.2	5.2	4.9	6.0	5.4
PROWLER (APR 777)	6.0	5.2	5.0	6.2	5.1	5.4	7.0	5.2	6.6	6.4	5.6	5.5	6.6	6.0
* PROSPORT (AG-P981)	5.5	5.1	5.4	5.8	3.9	5.4	7.3	4.6	6.9	6.4	5.6	5.1	6.7	5.6
* SKYHAWK	6.0	5.1	4.6	5.6	4.5	5.6	7.5	4.4	5.6	6.7	5.1	4.7	6.2	6.0
PICK EX2	5.6	4.8	5.7	6.5	4.8	5.2	6.5	4.8	5.8	6.4	5.3	5.0	6.4	6.2
MDP	5.9	4.9	5.6	5.3	3.7	5.3	7.7	5.0	7.0	6.5	5.4	4.4	5.4	6.2
* HEADSTART	5.7	5.3	4.7	6.1	4.2	5.4	6.6	5.4	6.1	6.4	5.1	4.9	7.7	6.3
APR 1235	6.1	5.3	4.9	6.8	5.9	5.0	7.1	5.2	6.3	6.3	5.3	5.1	5.7	5.9
* PASSPORT	5.9	5.1	5.0	5.8	5.2	5.6	6.9	5.2	5.6	6.5	5.6	5.0	5.4	6.5
SRX 4120	6.1	4.7	5.3	6.0	5.3	6.1	6.8	4.6	5.6	6.4	5.1	5.2	6.7	5.1
LPR 98-143	5.4	5.4	5.7	6.0	3.8	5.3	7.3	5.2	5.3	6.6	5.3	5.0	7.1	6.1
KOOS R-71	6.2	5.1	5.0	5.8	4.8	5.5	6.2	4.8	6.0	6.5	5.6	5.0	5.8	6.4
* AFFINITY	6.3	4.6	5.4	6.3	4.8	5.4	6.5	4.6	6.0	6.1	5.3	5.0	5.9	5.7
BY-100	6.0	4.7	5.2	6.0	4.6	5.5	6.8	4.5	5.8	6.4	5.6	5.3	5.8	5.8
WVPB-R-84	5.8	4.9	5.0	6.2	4.6	5.4	6.5	5.0	5.6	6.4	5.2	5.1	5.7	5.6
WVPB-R-82	5.2	4.9	5.2	5.8	5.1	5.7	5.9	4.8	5.2	6.2	5.1	4.8	5.8	5.8
LTP-ME	5.6	5.4	5.0	6.0	4.6	5.3	7.4	3.6	7.3	6.4	4.8	4.3	5.7	4.3
* EDGE	5.5	4.7	5.1	6.4	4.2	5.5	6.0	4.8	6.0	5.9	5.3	5.4	6.1	5.4
DP LP-1	5.8	4.9	5.0	5.7	4.8	5.2	6.4	4.0	5.6	6.2	5.5	4.6	6.2	5.3
DP 17-9391	5.7	4.4	5.2	5.9	4.4	5.9	6.4	4.7	5.1	6.2	5.2	5.1	6.0	5.0
APR 1234	5.5	5.0	4.7	6.3	4.9	4.8	6.3	4.0	6.0	5.9	5.0	5.0	6.0	5.6
* BUCCANEER	5.5	4.9	4.6	5.9	4.6	5.6	6.1	4.4	5.0	5.9	5.0	5.0	6.0	5.1
* YATSUGREEN	5.9	4.9	5.0	5.9	5.5	5.5	5.8	4.4	5.4	5.9	5.5	5.0	5.4	5.8
DP 17-9069	6.0	4.7	4.7	5.5	4.2	5.3	6.4	4.4	5.3	6.2	5.0	5.0	.	5.0
DP 17-9496	5.1	4.6	4.0	4.5	3.8	5.1	5.5	3.3	4.6	4.6	4.8	5.2	5.1	3.8
* LINN	4.6	4.5	3.2	2.6	2.9	4.5	4.0	3.3	3.7	3.7	4.4	4.4	4.7	3.3
LSD VALUE	0.6	0.6	0.8	1.1	1.3	1.0	0.6	0.5	1.4	0.5	0.7	0.8	1.7	1.0
C.V. (%)	6.1	6.8	9.5	10.6	15.9	11.6	4.5	6.9	13.4	4.6	8.0	9.4	16.0	14.7

\* COMMERCIALY AVAILABLE IN THE USA IN 2001.

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

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

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA 1/  
2000 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	NJ2	NS1	NY1	OH1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
ROBERTS-627	6.9	7.0	5.6	6.8	6.5	7.9	5.0	6.6	7.2	7.0	6.0	7.3	4.5	6.1	6.4
APPLAUD (PENNINGTON-11301)	7.0	6.6	6.3	7.5	5.8	8.0	5.2	6.7	6.9	5.6	6.3	7.0	5.0	6.1	6.4
CHARISMATIC (LTP 98-501)	6.4	6.1	5.4	7.5	6.4	8.1	5.2	6.6	6.9	5.8	6.0	7.1	4.9	5.9	6.3
R8000	6.1	6.0	6.2	6.2	6.5	7.8	5.0	6.6	6.9	6.2	6.2	6.9	5.0	5.9	6.3
PIZZAZZ	6.7	6.4	5.2	6.7	7.0	7.9	5.0	6.5	6.7	4.7	6.1	7.2	4.7	6.1	6.2
PST-2L96	6.5	5.6	5.4	8.0	5.6	7.7	5.1	5.7	6.6	5.7	5.6	6.8	4.4	5.8	6.2
NJ-6401	5.8	5.9	5.3	7.5	6.2	7.6	5.1	6.8	6.6	6.0	5.9	7.1	5.2	5.9	6.2
DLF-LDD	6.3	5.8	5.9	7.0	6.1	8.1	5.0	6.4	6.2	6.0	6.6	7.1	4.9	6.1	6.2
KOKOMO (CIS-PR-69)	6.3	6.4	5.7	6.0	6.0	7.9	5.2	6.4	6.5	6.4	5.8	7.1	4.3	6.2	6.2
PST-2BR	6.0	6.1	5.4	5.0	6.5	7.9	5.1	6.7	6.6	5.9	6.3	7.2	5.4	5.9	6.2
SEVILLE II	6.1	5.9	6.0	6.2	6.3	7.3	5.2	6.8	6.7	6.3	6.4	6.9	5.0	6.0	6.2
SRX 4820	6.3	5.9	5.4	6.7	6.2	7.4	5.0	6.7	6.4	5.6	5.7	6.7	5.1	6.0	6.2
ALL STAR <sup>2</sup> (CIS-PR-78)	6.4	6.4	5.8	6.0	6.5	8.4	5.1	6.8	6.1	6.0	5.6	6.9	4.0	5.9	6.2
AMAZING (B1)	6.8	6.4	5.4	5.2	6.3	7.6	4.9	6.2	6.6	6.4	5.8	7.3	4.6	5.8	6.1
PINNACLE II (BAR 9 B2)	7.1	6.3	5.3	7.2	6.2	7.7	5.0	5.8	6.6	5.3	5.5	7.5	4.9	6.0	6.1
SRX 4801	6.4	6.0	6.7	6.2	5.8	8.0	4.9	6.2	6.2	5.7	6.4	7.1	4.7	6.3	6.1
CIS-PR-84	6.7	6.6	6.1	4.8	6.3	7.7	5.1	6.3	6.7	6.6	5.9	7.0	4.2	6.0	6.1
PICK MDR	6.5	6.2	5.8	6.3	6.5	7.7	5.0	5.9	6.4	5.8	5.8	7.1	5.2	6.1	6.1
GATOR 3 (CIS-PR-85)	6.5	6.2	5.6	5.0	6.4	7.5	4.8	6.9	6.3	6.3	5.7	7.0	4.5	5.7	6.1
JET	6.2	5.8	6.0	5.3	6.3	7.9	5.1	6.9	6.7	5.8	6.0	6.7	4.8	6.0	6.1
EXACTA	6.1	5.5	5.0	5.5	6.0	7.8	5.1	7.1	6.4	5.7	5.9	7.1	5.0	6.0	6.1
SRX 4RHT	6.4	5.7	5.7	5.7	6.2	7.5	5.0	5.9	6.7	5.6	5.8	7.1	5.0	6.0	6.1
CHURCHILL	5.7	5.6	6.0	5.8	6.2	7.3	5.1	6.4	6.8	6.1	5.9	7.1	4.8	5.9	6.1
STELLAR (CIS-PR-72)	5.7	5.6	6.7	5.7	5.8	7.9	5.2	6.0	6.6	6.1	6.0	7.2	4.9	6.0	6.1
FIESTA 3	5.5	5.6	6.0	6.3	6.0	7.7	5.2	6.7	6.6	5.3	5.9	6.9	5.3	6.0	6.1
PREMIER II	5.5	5.0	5.8	7.0	5.8	7.7	5.1	6.5	6.8	5.7	6.4	6.4	4.8	5.8	6.0
SR 4500	6.0	5.3	6.2	5.8	6.0	7.5	5.0	5.8	6.6	5.3	6.6	6.4	5.2	6.1	6.0
ABT-99-4.834	6.6	6.1	5.5	5.7	5.9	7.7	5.3	6.1	6.8	5.2	6.1	7.3	4.6	5.9	6.0
ABT-99-4.115	5.9	5.7	6.1	6.3	6.2	7.5	4.9	6.1	6.8	5.4	5.9	6.7	4.6	6.1	6.0
ABT-99-4.724	5.6	5.6	5.4	7.7	5.9	7.7	4.7	6.1	6.3	5.8	6.0	6.9	4.5	6.0	6.0
AFFIRMED	4.9	5.0	6.0	4.8	5.4	7.6	5.2	6.9	6.4	5.8	6.0	7.1	4.6	5.9	6.0
PICK RC2	5.3	5.1	5.1	6.8	6.1	7.0	5.0	6.3	6.8	5.9	6.0	6.5	4.9	6.1	6.0
RADIANT	5.7	5.0	6.2	6.8	5.9	7.7	4.9	5.9	6.2	5.4	5.3	7.1	4.8	6.2	6.0
NEXUS	6.7	5.6	5.0	6.8	6.4	7.0	4.8	6.4	6.8	5.8	5.7	6.9	5.2	5.9	6.0
ABT-99-4.560	5.7	5.5	5.4	5.7	6.3	8.3	5.1	6.5	6.3	5.6	5.7	6.7	4.5	5.8	6.0
PICK PR QH-97	6.0	5.1	6.1	6.5	6.0	7.1	4.9	5.9	6.9	5.8	5.7	7.1	4.8	6.0	6.0
CABO (CIS-PR-80)	5.7	5.7	5.4	5.7	6.2	7.1	4.7	6.4	6.0	5.9	6.0	6.7	5.0	5.9	6.0
MB 411 (ABT-99-4.753)	5.5	5.3	5.4	5.2	6.3	7.4	5.0	6.4	6.3	5.7	5.7	6.7	5.3	6.1	6.0
PROMISE	6.1	5.1	5.9	7.5	5.0	7.1	5.0	7.0	6.3	5.4	5.6	7.1	4.8	5.8	6.0
PARAGON	5.7	5.9	6.0	5.7	6.1	7.9	5.0	6.6	6.8	5.3	5.3	6.8	5.0	6.0	6.0
MB 410 (ABT-99-4.629)	5.2	5.0	5.2	6.2	6.3	7.2	5.0	5.6	6.6	5.2	6.3	6.8	4.9	5.8	5.9
MB 412 (ABT-99-4.461)	6.4	5.3	5.3	5.7	6.0	7.1	4.9	6.6	6.8	6.3	5.3	6.7	4.4	5.7	5.9
BARLENNIUM	5.7	4.9	6.0	5.3	6.1	7.7	5.1	6.2	6.8	5.6	6.0	6.6	5.0	5.8	5.9
PACESETTER (6011)	5.5	5.6	5.7	5.8	6.4	6.9	5.1	5.3	6.6	5.7	5.9	6.4	4.8	6.0	5.9

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF														MEAN
	NJ1	NJ2	NS1	NY1	OH1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	
MB 413 (ABT-99-4.633)	5.9	4.9	5.6	6.7	6.3	7.7	5.0	5.8	6.6	5.9	5.6	7.3	4.6	6.0	5.9
MANHATTAN 4 (PST-2CRL)	6.0	5.1	5.2	3.7	6.5	7.8	5.0	6.0	6.4	5.9	5.8	6.9	4.9	5.8	5.9
CIS-PR-75	5.7	5.0	5.3	6.2	6.3	7.3	4.8	5.6	6.3	6.4	5.8	7.0	4.7	5.8	5.9
PICK PR B-97	5.8	4.7	6.2	4.5	5.5	7.6	5.0	6.4	7.0	5.8	5.7	7.1	4.2	5.7	5.9
A5C (ABT-99-4.960)	5.2	5.3	5.8	6.3	6.1	7.9	4.7	5.8	6.3	5.3	5.3	7.0	4.7	5.7	5.9
PST-2JH	5.3	5.0	5.4	6.8	5.5	7.7	4.9	6.5	6.6	5.9	5.9	6.3	4.5	5.8	5.9
PENNANT II	5.8	4.7	6.0	7.3	6.1	7.7	5.0	6.8	6.3	5.5	5.5	6.8	5.4	6.0	5.9
ABT-99-4.464	5.7	4.9	6.0	4.5	6.4	7.9	5.2	5.9	6.4	5.6	6.3	7.0	4.7	6.1	5.9
PST-2SLX	5.7	5.4	5.9	5.8	5.6	7.3	5.1	6.6	6.4	5.8	6.0	6.8	4.7	6.0	5.9
BRIGHTSTAR II	5.9	5.5	5.4	4.8	5.8	7.2	4.9	6.3	6.6	5.8	6.1	7.2	4.9	5.8	5.9
BRIGHTSTAR SLT (PST-2A6B)	6.0	5.4	5.6	6.5	6.0	7.5	5.0	5.5	6.5	5.2	5.7	6.9	3.8	5.9	5.9
MB 414 (ABT-99-4.903)	5.4	4.5	5.4	5.8	6.3	7.0	4.8	6.4	6.5	5.4	5.7	6.7	5.2	5.8	5.9
WILMINGTON	5.6	4.7	5.6	5.0	5.5	7.3	5.2	6.3	6.2	5.6	5.8	7.1	4.9	6.0	5.9
MAJESTY	5.0	5.1	6.0	4.2	5.0	7.3	5.1	5.6	6.4	5.9	5.9	6.6	5.1	5.8	5.9
ELFKIN	5.2	4.9	6.3	5.2	5.8	7.5	5.1	5.9	6.6	5.4	5.9	6.5	5.1	6.0	5.9
PST-2CRR	4.9	5.2	6.4	6.3	6.5	7.3	5.0	7.1	5.9	5.7	5.7	6.5	4.5	5.8	5.9
MP88	5.9	5.0	6.1	5.3	6.3	6.9	4.8	6.2	6.9	6.3	5.7	6.4	4.0	6.0	5.9
PST-2M4	5.3	5.3	5.9	5.2	6.5	6.7	5.0	6.1	6.0	5.9	5.7	6.6	4.6	5.9	5.9
PALMER III	5.3	4.8	5.6	6.0	5.7	7.3	5.3	5.4	6.6	5.4	6.0	6.6	4.6	6.0	5.8
PICK PR 1-94	5.3	4.6	5.0	6.7	6.0	7.4	4.8	5.1	6.6	6.0	5.6	6.9	4.3	5.8	5.8
ABT-99-4.339	4.9	4.6	5.5	6.0	5.6	7.4	5.3	5.6	6.5	5.0	5.9	6.5	4.8	5.9	5.8
MP107	5.4	5.0	6.0	6.2	6.1	6.6	4.8	6.0	6.7	6.7	5.2	6.3	4.6	5.9	5.8
ADMIRE (JR-151)	4.7	4.7	5.9	5.2	6.0	7.4	5.3	6.5	6.1	5.0	6.0	6.2	4.7	6.1	5.8
PST-2RT	5.2	4.8	6.3	5.5	6.3	6.9	5.1	6.0	6.6	5.3	5.9	6.3	4.2	5.9	5.8
DIVINE	4.9	4.6	5.2	7.0	5.3	7.5	5.3	5.9	6.1	6.3	5.7	6.5	4.9	5.7	5.8
UT-1000 (ABT-99-4.709)	5.1	4.6	5.0	5.3	6.0	7.1	4.9	5.9	6.1	6.3	5.5	6.7	4.8	5.6	5.8
PST-2LA	5.6	5.0	4.5	3.7	6.4	7.5	4.8	6.2	6.7	5.7	6.2	6.5	4.1	6.1	5.8
PICK PRNGS	5.1	4.7	5.9	4.7	6.0	6.9	4.8	5.4	6.9	5.4	5.6	6.3	5.3	6.2	5.8
GALAXY (JR-128)	4.8	4.3	5.8	6.3	5.9	7.0	5.0	5.6	6.6	5.1	6.2	6.6	4.7	6.2	5.8
MP103	5.1	4.9	5.6	5.5	6.0	6.3	5.0	6.3	6.5	5.8	5.7	6.4	4.3	5.8	5.8
CHARGER II	4.7	4.2	5.8	6.2	5.8	7.4	5.0	6.1	5.9	5.4	5.6	6.5	4.6	5.7	5.8
PST-CATS	5.0	5.2	6.2	3.8	5.8	7.1	4.8	6.7	6.3	5.8	5.7	6.6	4.4	5.7	5.8
MONTEREY II (JR-187)	5.1	4.7	6.4	5.8	4.5	7.4	5.1	6.2	6.8	5.8	5.9	6.3	4.4	6.0	5.7
CALYPSO II	5.0	4.6	5.9	6.3	6.0	7.2	5.2	6.0	6.1	5.4	5.9	6.0	4.7	5.9	5.7
SECRETARIAT	5.0	4.7	6.3	6.2	5.7	7.1	5.3	5.8	6.2	5.5	5.9	5.7	4.7	5.7	5.7
ASCEND	5.0	4.5	5.9	5.0	5.9	7.1	5.0	5.8	6.7	5.2	5.3	6.7	4.8	5.7	5.7
APR 1237	4.5	4.2	6.1	5.5	6.1	6.9	4.8	5.8	6.4	4.9	5.7	6.4	4.7	5.8	5.7
PST-2SBE	5.7	4.6	5.6	4.3	6.0	7.1	4.9	6.5	6.3	6.2	5.7	6.7	4.3	5.7	5.7
EP53	4.3	4.5	6.8	5.2	6.0	7.1	5.1	5.9	6.3	6.0	5.7	6.4	4.7	6.0	5.7
CATALINA	4.7	4.4	5.2	4.3	6.0	7.3	5.0	5.6	6.2	5.8	5.6	6.5	4.9	5.9	5.7
MANHATTAN 3	4.5	4.4	6.3	5.5	5.6	7.0	5.2	5.8	6.5	5.1	5.6	6.7	4.5	6.0	5.7
APR 1233	4.5	4.3	5.5	7.2	5.8	7.0	4.9	6.1	6.0	5.4	5.9	6.0	4.7	5.7	5.7
PANTHER	4.9	4.4	5.8	6.8	6.1	7.5	5.0	5.4	6.6	5.2	5.8	6.1	4.7	6.0	5.7
APR 776	4.5	4.2	5.4	5.7	5.9	7.3	4.9	5.4	6.4	5.1	6.1	5.9	4.5	5.7	5.7
EPD	5.1	4.4	5.4	6.5	5.8	7.1	4.8	6.1	6.5	6.1	5.5	6.3	4.5	5.9	5.7

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA

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

NAME	NJ1	NJ2	NS1	NY1	OH1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
LINE DRIVE	4.6	4.4	5.6	5.3	5.6	7.3	5.3	5.6	6.1	5.4	5.6	6.3	4.7	6.0	5.7
PLEASURE XL	4.7	4.0	5.9	4.2	5.6	7.3	4.7	5.8	6.4	5.3	5.7	6.3	4.6	5.9	5.7
CATHEDRAL II	4.2	3.9	5.9	5.0	6.2	7.4	5.2	4.8	6.9	5.3	6.0	6.0	4.5	6.1	5.6
EXTREME (JR-317)	4.9	4.4	5.3	5.0	5.8	7.2	4.5	5.6	6.4	5.5	6.1	6.4	4.6	6.1	5.6
PHANTOM	4.9	4.1	6.1	5.8	6.1	6.9	5.0	5.2	6.0	6.1	5.6	6.5	5.0	5.9	5.6
ALLSPORT	4.7	4.1	6.0	7.0	5.8	7.3	4.9	6.6	6.2	4.4	5.0	6.5	4.8	5.5	5.6
RACER	4.1	3.7	5.3	6.8	6.1	6.8	5.1	4.4	6.1	5.6	5.1	6.5	5.1	5.4	5.6
LPR 98-144	4.6	3.7	6.0	4.5	5.8	7.4	5.0	6.1	6.4	5.2	5.6	6.5	4.9	6.1	5.6
APR 1232	4.2	3.7	5.5	6.5	5.9	6.9	5.0	5.2	6.4	5.3	5.7	6.0	4.8	5.9	5.6
APR 1231	4.9	3.5	5.8	6.0	4.7	7.0	4.9	5.8	6.1	4.8	5.1	5.9	5.2	5.8	5.6
PREMIER	3.8	3.9	6.2	6.8	5.8	7.1	5.3	5.7	6.0	5.2	5.5	5.9	4.6	5.8	5.6
MEPY	5.2	5.0	6.1	4.5	5.9	6.8	4.8	5.8	6.5	5.4	5.7	6.4	3.6	5.8	5.6
CAS-LP84	4.4	4.2	5.5	4.7	6.0	7.1	5.0	6.3	6.7	6.0	5.5	6.8	3.7	5.9	5.6
ABT-99-4.600	4.6	3.7	5.5	5.3	5.4	7.0	5.0	5.7	6.3	5.5	5.5	6.5	4.5	5.8	5.6
SUPERSTAR (EP57)	5.5	4.3	5.7	5.3	5.8	7.2	5.0	6.0	6.0	5.8	5.2	6.3	4.4	5.7	5.6
PARADIGM (AER 1236)	5.1	3.9	5.8	5.5	5.5	6.1	4.8	6.6	6.7	5.3	5.6	6.6	4.1	5.6	5.6
PROWLER (APR 777)	4.0	3.9	5.3	5.5	5.6	6.3	4.9	5.5	5.9	5.4	5.5	5.5	4.7	6.0	5.6
PROSPORT (AG-P981)	5.1	3.8	4.7	5.0	6.2	7.3	5.0	5.7	5.8	5.3	5.8	6.6	4.3	5.6	5.5
SKYHAWK	5.0	4.0	5.2	6.3	6.0	7.1	4.8	5.6	6.7	5.8	5.3	6.1	4.1	5.7	5.5
PICK EX2	4.1	4.1	6.1	6.3	5.1	6.6	5.1	5.7	6.3	5.3	5.6	5.7	4.5	5.6	5.5
MDP	4.6	4.6	5.3	6.0	5.8	6.7	3.9	6.2	6.4	6.1	4.8	6.5	4.2	5.6	5.5
HEADSTART	4.2	4.2	5.4	5.0	5.4	7.1	5.0	5.4	6.3	4.7	5.9	6.1	4.9	5.9	5.5
APR 1235	3.9	4.0	5.8	4.2	5.7	6.7	5.2	5.8	6.1	5.2	5.4	6.2	4.3	5.9	5.5
PASSPORT	4.3	4.0	4.5	5.0	5.7	7.1	4.8	5.7	6.6	5.0	5.9	5.6	4.9	6.1	5.5
SRX 4120	4.2	3.6	5.5	5.8	5.8	6.8	5.0	4.9	6.3	5.1	5.8	5.7	4.9	6.0	5.5
LPR 98-143	4.0	4.0	4.9	5.5	5.8	6.6	5.0	5.8	6.3	5.1	5.0	6.5	4.3	5.9	5.5
KOOS R-71	4.3	4.0	6.4	4.8	5.0	6.7	4.8	5.8	5.8	4.9	5.5	5.8	4.7	5.8	5.5
AFFINITY	4.3	3.8	6.2	5.0	5.2	6.7	5.5	6.3	5.8	5.1	5.0	5.7	4.7	5.8	5.5
BY-100	3.8	4.2	5.9	4.5	5.4	6.8	5.1	5.2	6.3	5.1	5.4	5.0	4.5	6.0	5.4
WVPB-R-84	4.1	4.0	5.9	4.8	4.5	6.3	5.4	6.2	5.9	4.6	5.3	5.9	4.4	5.8	5.4
WVPB-R-82	3.4	3.4	6.0	6.3	5.0	6.6	5.1	5.9	5.8	5.1	5.3	5.9	4.6	5.7	5.3
LTP-ME	5.4	4.6	4.6	6.0	5.4	7.1	4.6	5.6	5.4	5.2	5.2	6.0	3.4	5.4	5.3
EDGE	3.9	3.6	5.4	5.0	5.1	6.3	5.3	5.2	6.3	4.7	5.6	5.2	4.7	5.8	5.3
DP LP-1	3.9	3.5	5.9	5.5	5.5	6.7	5.3	5.2	5.7	4.8	5.2	5.0	4.6	5.9	5.3
DP 17-9391	4.0	3.3	5.6	6.3	5.0	6.3	5.0	5.3	5.7	4.9	5.1	4.8	4.3	5.9	5.2
APR 1234	3.4	3.4	5.8	5.7	5.3	6.6	5.0	5.2	5.3	4.9	5.3	5.7	4.2	5.6	5.2
BUCCANEER	3.8	3.5	6.2	4.0	4.6	6.7	5.0	4.9	5.6	5.4	5.0	5.5	4.3	5.3	5.1
YATSUGREEN	3.1	3.2	5.7	3.5	5.1	5.7	5.2	5.5	5.4	4.2	4.8	4.7	4.3	6.0	5.1
DP 17-9069	3.7	3.6	5.1	4.0	5.0	6.5	5.1	5.6	5.7	4.2	5.0	4.9	4.5	5.8	5.0
DP 17-9496	1.9	1.9	5.1	5.2	4.4	4.8	5.2	4.5	4.6	3.6	4.1	3.2	3.8	5.1	4.3
LINN	1.4	1.4	4.5	5.8	3.4	4.1	5.3	2.8	4.0	2.9	3.2	3.0	3.5	4.1	3.7
LSD VALUE	0.7	0.8	1.2	2.7	0.7	0.8	0.4	0.9	0.7	0.9	0.8	0.6	0.7	0.4	0.2
C.V. (%)	9.0	10.5	13.2	29.5	7.9	6.6	5.6	9.5	7.0	10.4	9.2	5.9	12.7	4.7	11.2

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

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



TABLE 2.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA 1/  
2000 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF; MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
APPLAUD (PENNINGTON-11301)	5.3	5.3	6.1	6.6	6.8	6.4	6.0	6.0	6.4	6.5	6.0	5.6	6.4
ROBERTS-627	3.7	4.0	5.5	6.7	6.9	6.4	6.1	6.2	6.5	6.5	6.5	5.4	6.4
CHARISMATIC (LTP 98-501)	4.7	4.7	5.6	6.6	6.5	6.3	6.0	6.1	6.4	6.3	6.1	5.2	6.3
R8000	4.3	4.7	5.6	6.6	6.4	6.2	6.0	6.2	6.3	6.4	6.1	5.3	6.2
PIZZAZZ	5.0	4.7	5.6	6.3	6.4	6.2	6.0	6.1	6.4	6.5	6.3	5.1	6.2
NJ-6401	5.3	5.0	5.8	6.4	6.3	6.0	5.9	5.9	6.2	6.4	6.2	5.8	6.2
SRX 4820	5.0	5.3	5.5	6.3	6.3	6.0	5.8	5.9	6.3	6.2	6.3	5.2	6.1
PST-2L96	4.0	4.0	5.0	6.1	6.4	6.2	5.8	5.9	6.3	6.3	6.0	5.3	6.1
DLF-LDD	4.3	4.3	5.4	6.5	6.6	6.0	5.8	5.9	6.2	6.3	6.2	5.6	6.1
PST-2BR	5.3	5.3	5.3	6.3	6.3	6.2	5.9	6.1	6.3	6.5	6.2	6.0	6.1
KOKOMO (CIS-PR-69)	4.3	4.0	6.0	6.4	6.2	6.0	5.9	6.0	6.3	6.4	6.1	5.0	6.1
SEVILLE II	5.0	5.3	6.0	6.6	6.3	6.2	5.9	6.0	6.2	6.2	6.0	5.4	6.1
SRX 4801	5.0	4.7	5.7	6.4	6.4	6.1	5.8	5.9	6.2	6.3	5.9	5.2	6.1
AMAZING (B1)	4.7	4.3	5.8	6.6	6.2	5.9	5.9	6.0	6.3	6.4	6.2	5.3	6.1
PICK MDR	5.3	5.7	5.4	6.5	6.4	6.1	5.8	6.0	6.3	6.2	5.8	5.3	6.1
PINNACLE II (BAR 9 B2)	5.0	4.7	5.7	6.3	6.4	6.0	5.8	5.8	6.2	6.3	6.2	5.7	6.1
EXACTA <sup>2</sup>	5.0	5.0	5.8	6.3	6.3	6.1	5.9	5.8	6.2	6.3	5.9	5.0	6.1
ALL STAR <sup>2</sup> (CIS-PR-78)	4.3	4.0	5.1	6.1	6.1	6.0	5.8	6.1	6.4	6.5	6.1	4.9	6.1
JET	4.7	4.7	5.6	6.6	6.2	6.0	5.7	5.8	6.2	6.4	6.2	5.6	6.1
CIS-PR-84	4.0	4.0	5.4	6.4	6.4	6.1	5.8	5.9	6.4	6.4	6.1	5.0	6.1
FIESTA 3	4.7	5.0	5.9	6.2	6.0	6.0	5.6	5.9	6.1	6.2	5.8	5.4	6.1
SRX 4RHT	5.0	4.7	5.5	6.8	6.3	6.0	5.7	6.0	6.1	6.1	6.0	5.4	6.1
GATOR 3 (CIS-PR-85)	4.3	4.0	5.1	6.4	6.4	6.0	5.9	6.1	6.3	6.3	6.3	5.1	6.1
CHURCHILL	4.3	4.3	5.6	6.5	6.3	6.1	5.9	5.8	6.3	6.2	5.6	5.0	6.1
STELLAR (CIS-PR-72)	5.3	5.3	6.0	6.4	6.0	5.8	5.5	6.0	6.3	6.3	5.7	5.4	6.0
SR 4500	5.0	5.0	5.5	6.5	6.1	6.0	5.7	5.9	6.1	6.2	6.0	5.7	6.0
PREMIER II	4.7	4.3	5.8	6.5	6.0	5.8	5.7	5.8	6.2	6.1	5.7	5.1	6.0
RADIANT	4.0	4.3	5.3	6.2	6.6	6.1	5.6	5.8	6.1	5.9	5.3	5.0	6.0
AFFIRMED	4.3	4.7	5.6	6.2	6.0	6.0	5.9	6.0	6.0	6.0	5.5	5.2	6.0
ABT-99-4.724	4.0	4.3	5.5	6.0	6.2	5.9	5.6	5.8	6.2	6.1	5.7	5.4	6.0
ABT-99-4.834	4.3	4.0	5.7	6.4	6.1	5.9	5.6	5.8	6.1	6.2	6.0	5.2	6.0
NEXUS	5.0	4.7	5.6	6.3	6.5	6.0	5.4	5.8	6.1	6.1	5.9	5.4	6.0
ABT-99-4.115	4.3	4.3	5.6	6.7	6.2	5.8	5.6	5.9	6.1	6.0	5.8	5.1	6.0
MB 411 (ABT-99-4.753)	5.0	4.3	5.3	6.3	6.4	6.1	5.5	5.7	6.1	6.0	5.6	5.7	6.0
PICK RC2	4.3	5.0	5.5	6.3	6.1	6.0	5.7	5.8	6.2	6.0	5.7	5.2	6.0
PARAGON	4.3	4.3	5.5	6.4	6.3	6.0	5.5	5.8	6.1	5.9	5.5	5.2	6.0
CABO (CIS-PR-80)	4.7	4.7	5.3	6.4	6.4	6.1	5.6	5.7	6.0	6.0	5.9	5.8	5.9
PROMISE	4.7	4.7	5.9	6.3	6.2	5.8	5.5	5.7	6.0	6.0	5.5	5.3	5.9
PICK PR QH-97	4.3	4.0	5.4	6.5	6.3	5.9	5.6	5.8	6.1	5.9	5.6	5.1	5.9
ABT-99-4.560	4.0	3.7	5.2	6.3	6.1	6.0	5.6	5.8	6.0	6.1	5.8	5.0	5.9
MB 410 (ABT-99-4.629)	4.7	4.0	5.0	6.4	6.1	5.7	5.4	5.9	6.2	5.9	5.6	5.3	5.9
MB 413 (ABT-99-4.633)	4.7	4.0	5.4	6.4	6.3	6.0	5.5	5.8	6.1	5.9	5.1	5.0	5.9
MANHATTAN 4 (PST-2CRL)	4.7	4.3	5.3	6.4	6.3	6.0	5.7	5.9	6.0	6.1	5.8	5.3	5.9
MB 412 (ABT-99-4.461)	4.3	3.7	5.5	6.3	6.4	6.1	5.5	5.7	6.0	5.9	5.4	5.2	5.9

TABLE 2.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BARLENNIUM	4.7	4.3	5.6	6.4	6.1	5.9	5.7	5.8	6.0	6.1	5.7	5.6	5.9
PACESETTER (6011)	5.0	4.7	5.9	6.2	6.0	5.7	5.5	5.8	6.1	6.0	5.7	5.2	5.9
CIS-PR-75	4.3	4.0	5.0	6.0	6.5	5.9	5.5	5.8	6.0	6.0	5.6	5.4	5.9
ABT-99-4.464	4.7	5.0	5.6	6.3	6.2	5.9	5.6	5.8	6.0	6.0	5.6	5.2	5.9
A5C (ABT-99-4.960)	5.0	4.7	5.4	6.4	6.0	5.8	5.5	5.7	6.0	6.0	5.5	5.2	5.9
HENNANT II	5.0	4.7	5.7	6.6	6.3	5.9	5.5	5.5	5.9	5.9	5.6	5.1	5.9
MB 414 (ABT-99-4.903)	4.7	4.7	5.7	6.4	6.4	5.9	5.5	5.5	5.9	5.9	5.5	5.0	5.9
PICK PR B-97	4.0	3.3	4.9	6.3	6.4	6.0	5.7	5.8	6.0	6.0	5.3	4.9	5.9
MAJESTY	4.7	4.3	5.7	6.5	6.0	5.7	5.5	5.8	5.9	6.0	5.5	5.2	5.9
EST-2JH	4.3	4.7	5.3	5.9	5.8	5.6	5.5	5.8	6.1	6.1	5.5	5.0	5.9
BRIGHTSTAR II	5.0	4.7	5.2	6.3	6.2	6.1	5.6	5.7	6.0	5.9	5.8	5.4	5.9
EST-2SLX	4.3	4.0	4.8	6.0	6.2	5.9	5.6	5.7	6.1	6.1	5.9	5.2	5.9
ELFKIN	5.3	5.0	5.2	6.3	5.9	5.8	5.5	5.8	6.1	6.1	5.7	5.2	5.9
BRIGHTSTAR SLT (PST-2A6B)	3.7	3.0	5.1	6.4	6.1	5.7	5.4	5.7	6.1	6.1	5.8	4.7	5.8
WILMINGTON	4.0	4.3	5.5	6.3	6.3	5.9	5.5	5.6	6.0	6.0	5.4	5.3	5.8
PALMER III	4.3	4.7	5.9	6.2	6.0	5.9	5.6	5.5	5.7	5.8	5.5	4.8	5.8
PICK PR 1-94	4.0	3.7	5.4	6.3	6.2	5.7	5.5	5.6	5.9	5.7	5.2	4.9	5.8
EST-2CRR	4.3	4.7	5.1	6.1	5.9	5.7	5.5	5.7	6.1	6.1	5.7	5.1	5.8
EST-2M4	4.0	4.0	5.7	6.2	5.9	5.7	5.6	5.9	5.9	6.1	5.8	5.0	5.8
ABT-99-4.339	5.0	5.0	4.9	6.2	6.0	5.7	5.7	5.6	5.9	6.0	5.5	5.0	5.8
MP88	3.3	3.7	4.8	6.3	6.4	5.9	5.5	5.8	5.9	5.9	5.5	4.7	5.8
ADMIRE (JR-151)	4.3	4.3	5.6	6.2	6.0	5.8	5.5	5.7	5.9	5.9	5.4	5.0	5.8
MP107	4.0	4.0	5.0	6.3	6.2	5.9	5.4	5.5	5.9	5.9	5.2	4.8	5.8
PICK PRNGS	4.7	4.0	5.3	6.4	6.3	5.9	5.5	5.6	5.7	5.9	5.5	5.8	5.8
EST-2RT	4.0	3.7	5.5	6.1	5.9	5.6	5.5	5.7	6.0	6.1	5.5	5.1	5.8
DIVINE	4.3	4.3	5.3	6.1	5.7	5.6	5.4	5.6	5.9	5.9	5.4	5.3	5.8
GALAXY (JR-128)	4.3	4.7	5.5	6.2	6.0	5.6	5.4	5.6	5.8	5.8	5.4	5.0	5.8
UT-1000 (ABT-99-4.709)	4.0	4.3	5.3	6.1	5.9	5.8	5.4	5.6	5.9	5.9	5.4	5.3	5.8
ASCEND	4.0	4.3	5.0	6.3	6.0	5.8	5.5	5.5	5.9	5.8	5.4	5.0	5.7
MP103	4.0	3.3	5.0	6.3	6.3	5.8	5.5	5.5	5.7	5.7	5.2	5.0	5.7
MONTEREY II (JR-187)	4.3	4.0	5.0	6.2	6.0	5.6	5.5	5.5	5.7	5.8	5.2	5.0	5.7
CHARGER II	4.7	4.3	5.2	5.9	5.7	5.7	5.5	5.5	5.9	5.9	5.6	4.9	5.7
APR 1233	4.0	4.0	5.2	6.1	5.7	5.4	5.3	5.6	5.9	5.8	5.3	5.0	5.7
EST-2LA	3.7	3.3	4.9	6.0	6.1	6.0	5.4	5.7	5.9	5.9	5.7	5.0	5.7
APR 776	4.0	3.7	5.1	6.2	5.9	5.4	5.3	5.5	5.8	5.8	5.3	5.0	5.7
SECRETARIAT	4.3	5.0	5.6	6.1	5.6	5.5	5.5	5.5	5.9	5.8	5.5	5.3	5.7
APR 1237	4.3	4.0	5.1	6.4	6.0	5.7	5.4	5.5	5.9	5.8	5.2	5.0	5.7
EST-CATS	3.7	3.7	5.0	6.0	6.0	5.8	5.3	5.6	6.0	6.0	5.8	5.1	5.7
CALYPSO II	4.0	4.7	5.7	6.0	5.8	5.6	5.4	5.5	5.9	5.9	5.4	5.4	5.7
CATALINA	4.7	4.7	5.3	6.1	5.8	5.6	5.4	5.6	5.8	5.9	5.5	5.3	5.7
EP53	4.3	4.3	5.2	6.2	6.1	5.7	5.3	5.4	5.8	5.7	5.4	5.2	5.7
PANTHER	4.3	4.7	5.3	6.3	6.0	5.7	5.4	5.3	5.5	5.6	5.1	5.1	5.7
MANHATTAN 3	5.0	4.3	5.3	6.3	5.8	5.6	5.4	5.5	5.8	5.7	5.4	5.1	5.7
EST-2SBE	4.0	3.7	4.8	6.0	5.9	5.6	5.3	5.8	6.1	5.9	5.6	4.8	5.7
PLEASURE XL	4.7	4.7	5.0	6.1	5.9	5.6	5.4	5.6	5.8	5.8	5.2	5.1	5.6

TABLE 2.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS FOR EACH  
MONTH GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF; MONTHS

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
LPR 98-144	4.3	5.0	5.1	6.2	5.9	5.5	5.4	5.4	5.8	5.5	5.1	4.9	5.6
RACER	4.3	4.7	4.7	6.0	5.7	5.5	5.3	5.4	5.7	5.7	4.9	5.0	5.6
EXTREME (JR-317)	4.3	4.3	5.5	6.3	6.2	5.8	5.4	5.3	5.6	5.5	5.1	4.7	5.6
LINE DRIVE	4.7	4.7	5.2	6.0	5.8	5.5	5.3	5.6	5.7	5.8	5.4	4.8	5.6
EPD	4.0	4.0	4.9	6.0	6.0	5.7	5.3	5.5	5.7	5.6	5.3	5.0	5.6
PHANTOM	5.0	4.3	5.0	6.0	6.1	5.5	5.2	5.4	5.7	5.8	5.2	5.1	5.6
CATHEDRAL II	4.3	4.0	5.0	6.2	6.1	5.5	5.3	5.5	5.8	5.5	5.3	4.9	5.6
ALLSPORT	4.3	4.3	5.2	6.1	5.7	5.4	5.3	5.1	5.6	5.8	5.3	5.0	5.6
APR 1232	4.3	4.3	5.1	6.1	5.8	5.4	5.1	5.3	5.8	5.7	5.1	5.1	5.6
APR 1231	4.7	5.0	4.8	6.1	5.9	5.5	5.3	5.4	5.6	5.6	5.1	5.1	5.6
PREMIER	4.3	4.3	5.3	6.2	5.7	5.4	5.2	5.2	5.6	5.7	5.0	4.6	5.6
PROWLER (APR 777)	4.3	3.7	5.2	5.9	5.6	5.3	5.1	5.4	5.7	5.8	5.3	5.1	5.5
HEADSTART	4.3	4.3	5.0	6.2	5.8	5.5	5.1	5.3	5.5	5.4	5.2	5.2	5.5
PASSPORT	5.0	4.3	5.4	6.1	5.9	5.5	5.2	5.3	5.5	5.5	5.3	5.1	5.5
ABT-99-4.600	4.7	4.3	5.0	6.1	5.8	5.4	5.1	5.5	5.6	5.6	5.1	4.7	5.5
PICK EX2	4.3	4.7	5.3	6.1	5.7	5.5	5.3	5.2	5.6	5.5	4.8	5.1	5.5
CAS-LP84	3.3	3.0	4.6	6.3	6.0	5.7	5.4	5.3	5.5	5.4	5.2	4.6	5.5
MEPY	3.0	3.3	4.9	6.4	6.1	5.6	5.2	5.2	5.6	5.6	5.2	4.4	5.5
MDP	4.0	3.0	4.3	5.7	5.9	5.5	5.2	5.4	5.6	5.6	5.2	4.9	5.5
PARADIGM (APR 1236)	3.7	3.7	5.1	6.2	5.9	5.5	5.2	5.3	5.8	5.5	5.2	5.0	5.5
SKYHAWK	3.7	3.7	4.5	5.7	5.9	5.6	5.2	5.3	5.5	5.6	5.0	4.8	5.5
APR 1235	3.7	4.3	5.3	6.1	5.6	5.4	5.1	5.5	5.7	5.6	5.1	5.0	5.5
PROSPORT (AG-P981)	4.3	4.0	5.5	6.2	5.6	5.3	5.1	5.3	5.5	5.7	5.3	4.7	5.5
SUPERSTAR (EP57)	4.3	4.0	5.1	5.8	5.9	5.7	5.3	5.3	5.6	5.6	5.2	4.9	5.5
LPR 98-143	4.0	3.3	5.0	5.9	5.6	5.5	5.1	5.3	5.7	5.5	5.0	4.6	5.5
SRX 4120	5.3	5.0	5.4	5.9	5.5	5.3	5.1	5.3	5.6	5.6	5.3	5.2	5.5
KOOS R-71	4.3	4.3	5.3	6.0	5.5	5.3	5.2	5.2	5.4	5.6	5.4	5.0	5.5
AFFINITY	4.3	4.3	4.9	5.7	5.3	5.3	5.2	5.4	5.5	5.6	5.2	4.9	5.4
BY-100	4.0	4.0	5.2	5.8	5.6	5.3	5.2	5.1	5.4	5.4	5.1	5.0	5.4
WVPB-R-84	4.0	4.0	5.1	5.6	5.3	5.1	5.2	5.3	5.4	5.4	5.3	4.8	5.3
WVPB-R-82	5.0	4.3	5.1	5.8	5.4	5.1	5.0	5.1	5.2	5.4	4.7	4.7	5.3
EDGE	4.3	4.7	5.4	5.7	5.4	5.1	5.0	5.1	5.2	5.3	4.8	4.8	5.3
DP LP-1	4.3	4.3	5.0	5.9	5.7	5.1	4.9	5.0	5.1	5.3	4.7	4.7	5.3
LTP-ME	2.7	3.0	4.8	5.3	5.5	5.1	5.1	5.1	5.5	5.5	5.2	4.3	5.2
DP 17-9391	3.7	4.3	5.2	5.4	5.2	4.9	5.1	5.2	5.4	5.3	4.8	4.5	5.2
APR 1234	4.0	4.0	4.9	5.7	5.3	5.0	4.6	5.0	5.3	5.2	4.6	4.7	5.2
YATSUGREEN	3.7	4.0	4.7	5.3	4.9	4.8	5.1	5.3	5.3	5.1	4.5	4.3	5.1
BUCCANEER	4.0	4.7	5.0	5.5	5.1	5.0	4.9	4.8	5.1	5.2	4.7	4.4	5.1
DP 17-9069	4.3	5.0	5.0	5.6	5.3	4.9	4.9	4.9	5.0	5.0	4.8	4.9	5.0
DP 17-9496	3.7	3.7	4.2	4.6	4.0	3.8	4.0	4.1	4.5	4.6	3.9	3.8	4.3
LINN	4.0	3.3	3.5	3.9	3.6	3.2	3.4	3.3	3.5	3.8	3.1	3.3	3.7
LSD VALUE	1.1	1.1	1.0	0.6	0.5	0.3	0.4	0.4	0.4	0.4	0.6	1.2	0.3
C.V. (%)	15.7	15.7	31.7	23.7	21.8	18.8	24.4	23.9	23.3	20.5	21.1	24.4	17.6

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

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

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA 1/  
2000 DATA

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

NAME	CA6	IA1	IL1	IL2	IN1	KS1	KY1	MD1	ME1	MI1	MN1	MO1	MT1	NE1
ROBERTS-627	3.0	1.0	4.0	29.5	107.5	1.0	1.0	2.0	42.0	1.0	4.5	97.5	23.5	28.5
APPLAUD (PENNINGTON-11301)	1.0	28.5	48.0	1.0	34.5	71.5	9.0	77.0	8.5	12.5	21.5	39.0	4.5	1.0
CHARISMATIC (LTP 98-501)	16.5	53.5	24.5	4.5	23.5	2.0	9.0	10.0	14.5	3.5	49.5	115.5	60.5	21.0
R8000	16.5	61.0	116.0	4.5	7.0	44.0	32.0	16.5	3.0	83.0	18.0	21.5	36.5	5.5
PIZZAZZ	19.5	9.5	28.0	52.5	1.0	36.0	17.5	58.5	14.5	17.0	3.0	97.5	69.0	26.0
PST-2L96	44.0	9.5	4.0	19.0	49.0	8.0	17.5	11.5	46.5	32.0	36.5	21.5	10.0	7.0
NJ-6401	25.5	92.5	66.0	9.0	43.5	23.0	45.0	8.0	71.0	5.0	36.5	17.5	28.5	35.0
DLF-LDD	37.5	92.5	91.0	12.5	85.5	13.5	29.5	40.0	37.0	8.0	29.0	88.5	19.5	61.5
KOKOMO (CIS-PR-69)	6.5	48.0	10.0	7.5	34.5	18.0	6.0	99.0	50.0	51.0	49.5	73.0	91.0	15.5
PST-2BR	10.0	14.5	20.5	3.0	15.5	122.5	9.0	58.5	79.0	3.5	36.5	6.5	41.5	89.0
SEVILLE II	6.5	61.0	53.0	12.5	31.0	71.5	39.5	66.0	62.0	17.0	75.0	4.0	32.5	69.5
SRX 4820	12.0	18.5	37.0	74.5	49.0	76.0	4.0	34.0	4.0	63.0	36.5	88.5	14.0	5.5
ALL STAR <sup>2</sup> (CIS-PR-78)	22.0	4.0	10.0	88.0	3.0	26.5	21.5	85.5	57.5	40.5	9.5	63.5	14.0	96.0
AMAZING (B1)	25.5	87.0	15.5	16.5	23.5	66.5	4.0	34.0	26.5	8.0	18.0	49.0	76.5	22.0
PINNACLE II (BAR 9 E2)	5.0	8.0	4.0	12.5	105.5	31.0	43.5	94.0	50.0	95.0	36.5	43.5	14.0	96.0
SRX 4801	37.5	39.0	44.0	12.5	111.0	54.5	21.5	110.0	1.0	23.0	105.5	73.0	69.0	12.0
CIS-PR-84	10.0	12.5	18.5	24.0	74.5	90.5	4.0	85.5	23.0	73.0	18.0	73.0	76.5	43.0
PICK MDR	14.0	4.0	12.5	71.0	107.5	49.5	21.5	85.5	32.0	2.0	84.0	106.0	76.5	19.0
GATOR 3 (CIS-PR-85)	8.0	28.5	24.5	38.5	85.5	12.0	28.0	4.0	14.5	6.0	68.5	43.5	41.5	61.5
JET	2.0	48.0	18.5	71.0	34.5	84.5	25.5	99.0	20.5	32.0	36.5	32.5	93.5	46.5
EXACTA	25.5	4.0	2.0	16.5	7.0	115.0	25.5	24.0	99.5	51.0	99.5	11.0	28.5	35.0
SRX 4RHT	31.5	39.0	24.5	100.5	11.0	18.0	32.0	85.5	10.0	8.0	4.5	11.0	50.0	67.5
CHURCHILL	71.5	61.0	10.0	6.0	12.5	21.5	17.5	40.0	32.0	95.0	77.5	73.0	69.0	57.5
STELLAR (CIS-PR-72)	63.0	87.0	44.0	74.5	20.0	18.0	29.5	115.0	6.5	17.0	24.0	106.0	50.0	92.0
FIESTA 3	19.5	39.0	78.5	33.5	14.0	54.5	72.5	85.5	14.5	106.0	84.0	14.0	88.0	14.0
PREMIER II	51.0	18.5	24.5	19.0	76.5	76.0	66.5	50.5	20.5	51.0	112.5	26.0	23.5	38.0
SR 4500	25.5	100.5	30.5	27.0	62.5	90.5	55.5	11.5	20.5	32.0	9.5	32.5	84.0	12.0
ABT-99-4.834	25.5	77.5	37.0	67.0	109.5	98.5	13.5	106.0	2.0	63.0	29.0	97.5	34.0	84.0
ABT-99-4.115	71.5	119.0	48.0	58.5	103.0	10.0	63.0	94.0	6.5	83.0	12.5	26.0	7.0	96.0
ABT-99-4.724	4.0	100.5	37.0	63.0	2.0	128.0	34.5	125.0	53.0	23.0	99.5	88.5	50.0	26.0
AFFIRMED	19.5	39.0	1.0	29.5	60.5	106.5	50.5	50.5	32.0	51.0	68.5	2.5	36.5	20.0
PICK RC2	92.0	7.0	8.0	12.5	39.0	18.0	72.5	16.5	71.0	51.0	29.0	32.5	76.5	69.5
RADIANT	63.0	14.5	15.5	109.0	12.5	106.5	9.0	70.0	42.0	83.0	49.5	106.0	69.0	12.0
NEXUS	25.5	48.0	91.0	78.0	117.0	33.0	2.0	28.5	92.5	23.0	77.5	124.5	28.5	73.0
ABT-99-4.560	63.0	69.5	37.0	7.5	43.5	124.5	39.5	16.5	46.5	32.0	92.5	88.5	2.5	117.5
PICK PR QH-97	14.0	23.0	60.0	46.0	122.5	26.5	39.5	50.5	14.5	63.0	36.5	120.5	57.0	110.5
CABO (CIS-PR-80)	31.5	11.0	30.5	46.0	98.5	5.0	13.5	58.5	79.0	110.5	84.0	81.0	14.0	57.5
MB 411 (ABT-99-4.753)	98.0	28.5	78.5	109.0	55.0	40.0	17.5	44.5	26.5	23.0	18.0	110.5	50.0	9.0
PROMISE	51.0	18.5	37.0	88.0	7.0	64.5	50.5	44.5	14.5	40.5	112.5	127.0	119.5	40.0
PARAGON	44.0	61.0	110.0	21.0	100.0	60.5	55.5	16.5	14.5	63.0	77.5	120.5	127.0	3.0
MB 410 (ABT-99-4.629)	83.0	61.0	15.5	105.5	28.0	7.0	36.0	34.0	5.0	51.0	61.0	120.5	23.5	55.0
MB 412 (ABT-99-4.461)	79.0	77.5	37.0	85.0	64.5	84.5	25.5	1.0	71.0	40.5	92.5	88.5	36.5	35.0
BARLENNIUM	44.0	69.5	6.0	24.0	49.0	98.5	59.0	4.0	128.0	95.0	42.5	63.5	7.0	84.0
PACESETTER (6011)	57.0	77.5	86.5	52.5	70.0	106.5	52.5	58.5	26.5	112.5	68.5	49.0	1.0	67.5
MB 413 (ABT-99-4.633)	92.0	28.5	24.5	105.5	79.0	90.5	13.5	117.5	53.0	83.0	61.0	120.5	100.5	15.5

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	CA6	IA1	IL1	IL2	IN1	KS1	KY1	MD1	ME1	MI1	MN1	MO1	MT1	NE1
MANHATTAN 4 (PST-2CRL)	10.0	87.0	78.5	24.0	85.5	90.5	25.5	85.5	26.5	51.0	49.5	2.5	50.0	38.0
CIS-PR-75	14.0	28.5	78.5	52.5	109.5	60.5	32.0	8.0	32.0	40.5	61.0	130.0	28.5	51.5
PICK PR B-97	71.5	121.0	24.5	42.0	18.0	18.0	47.5	40.0	46.5	10.0	21.5	97.5	93.5	50.0
A5C (ABT-99-4.960)	19.5	61.0	7.0	94.0	49.0	49.5	13.5	34.0	37.0	17.0	115.0	97.5	76.5	61.5
PST-2JH	63.0	77.5	71.0	71.0	39.0	80.5	80.5	44.5	26.5	32.0	18.0	110.5	14.0	84.0
PENNANT II	113.0	28.5	98.0	111.5	70.0	3.5	72.5	4.0	79.0	32.0	54.0	115.5	110.0	115.0
ABT-99-4.464	71.5	87.0	95.0	52.5	23.5	106.5	52.5	99.0	99.5	95.0	12.5	39.0	28.5	32.5
PST-2SLX	51.0	61.0	58.0	63.0	101.0	44.0	77.0	6.0	67.5	51.0	15.0	73.0	91.0	89.0
BRIGHTSTAR II	37.5	61.0	78.5	67.0	81.0	54.5	55.5	58.5	32.0	73.0	45.5	63.5	76.5	65.5
BRIGHTSTAR SLT (PST-2A6B)	31.5	100.5	95.0	33.5	85.5	120.0	39.5	70.0	42.0	32.0	1.0	26.0	113.0	32.5
MB 414 (ABT-99-4.903)	107.5	48.0	53.0	63.0	34.5	36.0	9.0	50.5	26.5	106.0	125.0	32.5	84.0	41.5
WILMINGTON	37.5	33.5	58.0	29.5	28.0	47.0	21.5	68.0	71.0	95.0	84.0	115.5	14.0	119.0
MAJESTY	63.0	77.5	53.0	12.5	23.5	6.0	66.5	34.0	65.0	106.0	54.0	21.5	28.5	28.5
ELFKIN	37.5	61.0	48.0	120.0	79.0	115.0	34.5	16.5	37.0	17.0	7.0	17.5	110.0	57.5
PST-2CRR	71.5	4.0	110.0	88.0	59.0	64.5	80.5	99.0	105.5	114.5	2.0	55.5	57.0	96.0
MP88	63.0	28.5	122.0	120.0	112.5	60.5	43.5	24.0	50.0	23.0	24.0	32.5	60.5	65.5
PST-2M4	86.5	77.5	37.0	52.5	18.0	98.5	47.5	50.5	105.5	12.5	7.0	5.0	107.5	79.0
PALMER III	57.0	48.0	63.0	91.0	18.0	36.0	104.5	73.0	46.5	51.0	54.0	97.5	60.5	30.5
PICK PR 1-94	51.0	48.0	66.0	24.0	4.0	122.5	39.5	66.0	79.0	95.0	125.0	120.5	64.5	4.0
ABT-99-4.339	44.0	87.0	12.5	71.0	43.5	21.5	66.5	58.5	65.0	23.0	68.5	55.5	41.5	77.0
MP107	71.5	4.0	71.0	120.0	117.0	31.0	55.5	99.0	87.5	51.0	68.5	63.5	9.0	89.0
ADMIRE (JR-151)	92.0	61.0	63.0	24.0	114.0	3.5	104.5	106.0	37.0	95.0	7.0	26.0	19.5	71.0
PST-2RT	57.0	39.0	58.0	2.0	43.5	126.0	84.0	85.5	92.5	32.0	49.5	17.5	50.0	84.0
DIVINE	98.0	100.5	78.5	46.0	55.0	115.0	97.5	58.5	92.5	23.0	84.0	112.5	41.5	51.5
UT-1000 (ABT-99-4.709)	71.5	77.5	78.5	42.0	70.0	40.0	47.5	42.0	79.0	83.0	57.5	106.0	50.0	49.0
PST-2LA	31.5	18.5	78.5	58.5	23.5	80.5	90.0	77.0	20.5	12.5	84.0	26.0	84.0	116.0
PICK PRNGS	51.0	23.0	53.0	38.5	76.5	49.5	94.5	24.0	62.0	114.5	12.5	49.0	119.5	46.5
GALAXY (JR-128)	118.0	95.5	78.5	52.5	103.0	115.0	80.5	34.0	85.0	51.0	24.0	73.0	41.5	17.0
MP103	79.0	33.5	20.5	91.0	57.5	90.5	63.0	117.5	99.5	32.0	99.5	63.5	4.5	57.5
CHARGER II	31.5	48.0	66.0	33.5	10.0	40.0	90.0	73.0	126.5	40.5	77.5	32.5	19.5	103.0
PST-CATS	37.5	110.5	44.0	52.5	95.0	10.0	84.0	24.0	57.5	73.0	68.5	97.5	76.5	110.5
MONTEREY II (JR-187)	86.5	105.0	53.0	78.0	95.0	115.0	104.5	106.0	99.5	83.0	99.5	8.5	60.5	23.5
CALYPSO II	44.0	61.0	120.5	19.0	120.0	60.5	72.5	73.0	42.0	73.0	112.5	63.5	100.5	106.5
SECRETARIAT	51.0	77.5	53.0	67.0	39.0	36.0	107.0	99.0	99.5	120.5	29.0	43.5	100.5	79.0
ASCEND	115.5	100.5	78.5	63.0	49.0	13.5	72.5	34.0	87.5	63.0	105.5	49.0	100.5	23.5
APR 1237	79.0	12.5	44.0	46.0	55.0	121.0	59.0	34.0	79.0	95.0	92.5	14.0	76.5	73.0
PST-2SBE	83.0	77.5	63.0	81.0	85.5	71.5	61.0	24.0	53.0	63.0	84.0	73.0	76.5	126.0
EP53	44.0	61.0	116.0	100.5	15.5	106.5	87.5	106.0	107.0	95.0	92.5	49.0	36.5	93.0
CATALINA	51.0	77.5	86.5	100.5	9.0	90.5	86.0	16.5	79.0	73.0	29.0	73.0	23.5	89.0
MANHATTAN 3	71.5	110.5	71.0	46.0	79.0	26.5	47.5	64.0	123.5	32.0	121.5	14.0	14.0	121.0
APR 1233	107.5	100.5	15.5	58.5	70.0	26.5	101.0	106.0	79.0	120.5	99.5	32.5	119.5	8.0
PANTHER	92.0	110.5	118.5	116.5	52.5	98.5	116.0	77.0	57.5	73.0	68.5	55.5	100.5	26.0
APR 776	79.0	92.5	86.5	120.0	34.5	44.0	80.5	85.5	57.5	73.0	116.0	39.0	69.0	2.0
EPD	92.0	77.5	86.5	126.0	129.0	98.5	63.0	28.5	87.5	40.5	105.5	88.5	64.5	103.0
LINE DRIVE	118.0	69.5	100.0	52.5	95.0	71.5	72.5	50.5	112.5	110.5	105.5	21.5	7.0	112.0

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	CA6	IA1	IL1	IL2	IN1	KS1	KY1	MD1	ME1	MI1	MN1	MO1	MT1	NE1
PLEASURE XL	102.0	48.0	30.5	58.5	28.0	44.0	59.0	34.0	109.5	83.0	99.5	112.5	100.5	41.5
CATHEDRAL II	31.5	18.5	105.0	78.0	124.0	71.5	87.5	75.0	57.5	63.0	29.0	8.5	100.5	103.0
EXTREME (JR-317)	127.0	116.5	44.0	38.5	90.5	44.0	99.5	70.0	67.5	51.0	68.5	88.5	100.5	46.5
PHANTOM	63.0	28.5	100.0	124.5	74.5	115.0	99.5	106.0	109.5	63.0	92.5	63.5	64.5	106.5
ALLSPORT	113.0	53.5	105.0	123.0	60.5	115.0	94.5	85.5	112.5	51.0	12.5	55.5	88.0	84.0
RACER	124.5	95.5	86.5	42.0	30.0	26.5	94.5	44.5	8.5	95.0	118.5	81.0	123.0	53.5
LPR 98-144	124.5	116.5	71.0	85.0	85.5	15.0	112.5	50.5	87.5	63.0	68.5	120.5	107.5	10.0
APR 1232	104.5	100.5	30.5	38.5	85.5	31.0	112.5	106.0	57.5	73.0	127.0	106.0	50.0	79.0
APR 1231	111.0	110.5	61.0	100.5	43.5	36.0	109.5	66.0	71.0	51.0	68.5	11.0	41.5	81.0
PREMIER	102.0	39.0	116.0	36.0	103.0	90.5	114.0	123.5	90.0	123.5	36.5	1.0	88.0	99.5
MEPY	104.5	119.0	105.0	91.0	112.5	49.5	78.0	85.5	99.5	106.0	105.5	88.5	32.5	113.5
CAS-LP84	57.0	48.0	100.0	127.5	122.5	54.5	97.5	50.5	79.0	12.5	29.0	97.5	113.0	109.0
ABT-99-4.600	102.0	110.5	118.5	105.5	85.5	106.5	72.5	111.0	65.0	73.0	57.5	39.0	50.0	108.0
SUPERSTAR (EP57)	98.0	69.5	127.0	115.0	62.5	98.5	66.5	123.5	79.0	83.0	68.5	106.0	76.5	127.0
PARADIGM (APR 1236)	92.0	39.0	95.0	29.5	121.0	78.0	39.5	99.0	119.5	117.0	109.5	97.5	100.5	113.5
PROWLER (APR 777)	86.5	61.0	105.0	82.5	52.5	80.5	104.5	16.5	62.0	95.0	42.5	6.5	57.0	64.0
PROSPORT (AG-P981)	120.0	87.0	68.0	111.5	125.0	90.5	92.0	113.0	42.0	106.0	49.5	49.0	50.0	105.0
SKYHAWK	79.0	87.0	126.0	120.0	98.5	60.5	84.0	121.0	116.5	32.0	118.5	115.5	84.0	61.5
PICK EX2	118.0	122.0	37.0	63.0	66.0	115.0	117.5	85.5	109.5	95.0	84.0	81.0	64.5	46.5
MDP	98.0	110.5	53.0	127.5	128.0	98.5	72.5	63.0	37.0	73.0	68.5	127.0	125.5	44.0
HEADSTART	113.0	39.0	124.0	85.0	117.0	84.5	115.0	8.0	92.5	106.0	112.5	97.5	2.5	38.0
APR 1235	71.5	39.0	120.5	33.5	5.0	127.0	102.0	16.5	79.0	112.5	92.5	55.5	119.5	73.0
PASSPORT	98.0	77.5	110.0	113.5	43.5	57.0	108.0	24.0	116.5	73.0	42.5	63.5	124.0	18.0
SRX 4120	71.5	123.0	86.5	94.0	34.5	10.0	109.5	113.0	114.0	106.0	118.5	43.5	50.0	122.0
LPR 98-143	126.0	18.5	37.0	94.0	127.0	106.5	94.5	24.0	121.5	51.0	84.0	73.0	19.5	53.5
KOOS R-71	57.0	92.5	110.0	113.5	70.0	66.5	124.0	85.5	99.5	83.0	42.5	81.0	115.5	30.5
AFFINITY	44.0	127.0	71.0	78.0	70.0	80.5	119.0	113.0	99.5	123.5	92.5	63.5	110.0	96.0
BY-100	86.5	125.0	95.0	96.5	92.0	71.5	111.0	116.0	109.5	95.0	45.5	32.5	113.0	75.5
WVPB-R-84	107.5	110.5	105.0	82.5	95.0	84.5	117.5	58.5	116.5	95.0	109.5	49.0	119.5	101.0
WVPB-R-82	128.0	110.5	91.0	109.0	57.5	52.0	127.0	85.5	123.5	120.5	118.5	106.0	115.5	89.0
LTP-ME	115.5	23.0	113.5	96.5	90.5	98.5	90.0	128.0	14.5	95.0	128.0	129.0	119.5	128.0
EDGE	122.0	125.0	102.0	71.0	117.0	68.0	126.0	85.5	99.5	125.5	92.5	17.5	91.0	117.5
DP LP-1	107.5	110.5	110.0	116.5	70.0	115.0	121.5	126.5	116.5	117.0	57.5	124.5	84.0	120.0
DP 17-9391	110.0	130.0	95.0	100.5	105.5	26.5	120.0	94.0	125.0	120.5	105.5	55.5	100.5	124.5
APR 1234	122.0	100.5	124.0	78.0	64.5	129.0	123.0	126.5	99.5	127.5	123.0	81.0	100.5	99.5
BUCCANEER	122.0	110.5	128.0	105.5	95.0	60.5	125.0	121.0	126.5	127.5	121.5	81.0	100.5	123.0
YATSUGREEN	92.0	119.0	113.5	100.5	23.5	76.0	128.0	121.0	119.5	125.5	57.5	63.5	125.5	75.5
DP 17-9069	83.0	125.0	124.0	124.5	117.0	106.5	121.5	119.0	121.5	117.0	125.0	81.0	.	124.5
DP 17-9496	129.0	128.0	129.0	129.0	126.0	124.5	129.0	130.0	129.0	129.0	129.0	39.0	128.0	129.0
LINN	130.0	129.0	130.0	130.0	130.0	130.0	130.0	129.0	130.0	130.0	130.0	127.0	129.0	130.0

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

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

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	NJ1	NJ2	NS1	NY1	OH1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
ROBERTS-627	3.0	1.0	77.5	17.5	7.5	12.5	71.5	20.0	1.0	1.0	19.0	5.0	95.5	11.0	1
APPLAUD (PENNINGTON-11301)	2.0	3.0	7.5	4.5	82.0	5.0	21.0	14.5	7.0	62.5	8.0	27.5	16.5	7.5	2
CHARISMATIC (LTP 98-501)	13.0	11.5	94.0	4.5	11.0	3.0	21.0	20.0	7.0	38.0	24.5	12.5	38.5	56.0	3
R8000	22.5	14.5	12.5	44.5	7.5	17.0	71.5	16.0	7.0	13.5	10.0	31.5	23.0	74.0	4
PIZZAZZ	5.5	4.0	113.5	23.5	1.0	8.0	71.5	26.5	20.0	123.0	13.0	7.5	60.5	17.0	5
PST-2L96	10.5	30.5	94.0	1.0	101.0	27.5	40.0	94.5	33.0	51.0	86.5	43.5	104.0	95.0	6
NJ-6401	35.5	18.5	108.5	4.5	34.0	33.5	40.0	7.5	43.5	22.5	32.5	20.5	10.0	67.5	7
DLF-LDD	17.5	21.0	45.0	11.5	43.5	4.0	71.5	33.0	96.0	22.5	1.0	20.5	32.5	7.5	8
KOKOMO (CIS-PR-69)	19.0	5.5	69.0	52.0	49.5	8.0	21.0	33.0	54.5	5.0	57.5	12.5	107.0	2.5	9
PST-2BR	25.0	13.0	88.0	102.0	7.5	12.5	40.0	12.0	38.0	30.5	6.0	7.5	1.5	74.0	10
SEVILLE II	22.5	17.0	33.0	44.5	19.5	56.5	21.0	9.5	22.5	11.0	4.5	36.0	20.0	26.0	11
SRX 4820 <sup>2</sup>	17.5	18.5	94.0	23.5	34.0	50.5	71.5	14.5	64.0	62.5	69.0	54.0	15.0	26.0	12
ALL STAR <sup>2</sup> (CIS-PR-78)	15.0	5.5	63.0	52.0	7.5	1.0	40.0	7.5	101.0	22.5	86.5	36.0	123.0	67.5	13
AMAZING (B1)	4.0	7.0	102.5	93.0	19.5	33.5	99.0	49.5	38.0	5.0	53.5	3.5	79.0	95.0	14
PINNACLE II (BAR 9 B2)	1.0	8.0	108.5	8.5	29.5	21.5	71.5	88.5	38.0	85.5	98.5	1.0	28.0	37.0	15
SRX 4801	13.0	14.5	2.5	44.5	87.0	6.0	99.0	46.5	96.0	54.0	3.0	12.5	52.5	1.0	16
CIS-PR-84	5.5	2.0	26.0	110.0	19.5	19.0	40.0	40.0	27.5	3.0	47.0	27.5	119.0	50.0	17
PICK MDR	10.5	10.0	63.0	35.0	4.5	27.5	71.5	67.0	69.0	44.0	50.0	12.5	7.0	7.5	18
GATOR 3 (CIS-PR-85)	9.0	9.0	77.5	102.0	14.0	37.5	113.0	4.5	89.0	9.0	69.0	27.5	95.5	109.0	19
JET	20.0	20.0	28.5	86.0	25.0	12.5	40.0	4.5	22.5	38.0	19.0	47.0	48.0	26.0	20
EXACTA	24.0	33.5	123.0	78.0	56.0	17.0	40.0	2.0	60.0	54.0	42.5	20.5	19.0	37.0	21
SRX 4RHT	13.0	23.5	69.0	69.0	34.0	37.5	71.5	74.5	27.5	65.0	53.5	12.5	16.5	37.0	22
CHURCHILL	38.5	30.5	40.5	60.0	29.5	65.0	40.0	30.0	16.0	18.5	32.5	20.5	51.0	56.0	23
STELLAR (CIS-PR-72)	43.0	27.0	2.5	69.0	77.0	12.5	21.0	63.5	33.0	16.0	24.5	7.5	25.0	22.0	24
FIESTA 3	54.0	25.0	38.0	35.0	56.0	27.5	21.0	12.0	43.5	93.0	38.5	36.0	3.0	37.0	25
PREMIER II	54.0	57.5	63.0	11.5	77.0	21.5	40.0	26.5	16.0	56.5	4.5	83.0	41.0	83.5	26
SR 4500	27.0	38.5	17.0	60.0	56.0	42.0	71.5	88.5	48.5	89.0	2.0	83.0	8.0	17.0	27
ABT-99-4.834	8.0	11.5	87.0	69.0	72.5	27.5	10.5	57.5	16.0	97.5	15.5	2.0	81.5	74.0	28
ABT-99-4.115	30.5	23.5	22.0	35.0	29.5	37.5	99.0	55.5	16.0	79.0	42.5	54.0	83.0	11.0	29
ABT-99-4.724	49.0	27.0	94.0	2.0	68.5	27.5	125.5	53.5	78.5	47.5	29.5	31.5	87.5	47.0	30
AFFIRMED	83.0	51.0	38.0	110.0	109.0	33.5	21.0	6.0	60.0	38.0	24.5	20.5	77.5	67.5	31
PICK RC2	62.5	47.0	118.5	17.5	38.0	93.5	71.5	40.0	16.0	27.5	24.5	69.5	31.0	7.5	32
RADIANT	43.0	51.0	17.0	17.5	72.5	21.5	99.0	70.0	96.0	73.5	111.0	20.5	41.0	2.5	33
NEXUS	7.0	27.0	122.0	17.5	14.0	93.5	113.0	33.0	11.0	38.0	69.0	36.0	6.0	56.0	34
ABT-99-4.560	38.5	32.0	94.0	69.0	16.0	2.0	40.0	26.5	85.0	62.5	69.0	49.5	87.5	95.0	35
PICK PR QH-97	29.0	47.0	22.0	27.5	56.0	84.5	99.0	74.5	4.0	38.0	76.5	12.5	44.0	37.0	36
CABO (CIS-PR-80)	46.0	22.0	94.0	69.0	34.0	76.5	125.5	37.0	110.5	30.5	19.0	54.0	18.0	74.0	37
MB 411 (ABT-99-4.753)	51.5	41.0	100.5	93.0	25.0	50.5	71.5	36.0	78.5	54.0	76.5	47.0	5.0	17.0	38
PROMISE	21.0	47.0	45.0	4.5	122.5	84.5	71.5	3.0	89.0	82.5	92.5	20.5	46.0	95.0	39
PARAGON	38.5	16.0	33.0	69.0	43.5	8.0	71.5	17.5	11.0	93.0	108.0	40.5	21.0	37.0	40
MB 410 (ABT-99-4.629)	67.5	57.5	116.5	44.5	19.5	69.5	71.5	102.0	43.5	100.5	8.0	43.5	34.5	95.0	41
MB 412 (ABT-99-4.461)	16.0	38.5	104.5	69.0	63.0	84.5	99.0	22.5	11.0	7.5	108.0	54.0	99.0	109.0	42
BARLENNIUM	46.0	59.0	33.0	86.0	43.5	27.5	40.0	46.5	16.0	59.0	24.5	63.5	23.0	83.5	43
PACESETTER (6011)	51.5	29.0	66.5	60.0	11.0	100.0	40.0	117.0	33.0	51.0	42.5	83.0	50.0	37.0	44
MB 413 (ABT-99-4.633)	30.5	61.0	75.0	23.5	19.5	21.5	71.5	79.5	38.0	26.0	92.5	3.5	77.5	47.0	45

TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN: STATE LOCATIONS REPORTING

NAME	NJ1	NJ2	NS1	NY1	OH1	PA1	QE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
MANHATTAN 4 (PST-2CRL)	28.0	44.0	116.5	128.5	2.5	17.0	71.5	63.5	69.0	30.5	50.0	36.0	37.0	95.0	46
CIS-PR-75	46.0	51.0	108.5	44.5	25.0	56.5	121.5	102.0	85.0	5.0	53.5	27.5	64.5	95.0	47
PICK PR B-97	35.5	69.0	17.0	117.0	106.0	33.5	71.5	33.0	2.0	47.5	76.5	16.0	115.5	109.0	48
A5C (ABT-99-4.960)	67.5	38.5	60.0	35.0	43.5	12.5	125.5	79.5	89.0	93.0	114.0	27.5	69.5	109.0	49
PST-2JH	62.5	54.5	100.5	17.5	104.0	27.5	99.0	26.5	48.5	33.0	36.0	92.5	87.5	95.0	50
PENNANT II	34.0	69.0	33.0	7.0	43.5	27.5	71.5	9.5	78.5	67.5	101.5	40.5	1.5	37.0	51
ABT-99-4.464	41.0	63.0	38.0	117.0	14.0	12.5	21.0	74.5	69.0	59.0	8.0	27.5	54.5	17.0	52
PST-2SLX	43.0	36.0	50.0	60.0	97.5	61.0	40.0	17.5	64.0	47.5	24.5	43.5	58.5	37.0	53
BRIGHTSTAR II	32.5	33.5	94.0	110.0	77.0	72.0	99.0	44.0	38.0	38.0	15.5	7.5	38.5	95.0	54
BRIGHTSTAR SLT (PST-2A6B)	26.0	35.0	72.5	27.5	63.0	37.5	71.5	109.0	54.5	103.0	69.0	36.0	125.0	56.0	55
MB 414 (ABT-99-4.903)	58.0	82.0	102.5	60.0	25.0	93.5	113.0	33.0	54.5	79.0	69.0	54.0	10.0	95.0	56
WILMINGTON	48.0	71.5	77.5	102.0	106.0	61.0	21.0	43.0	92.5	59.0	50.0	20.5	36.0	37.0	57
MAJESTY	80.5	45.0	33.0	123.0	122.5	65.0	40.0	107.0	64.0	27.5	42.5	63.5	14.0	83.5	58
ELFKIN	65.0	61.0	10.0	93.0	87.0	42.0	40.0	70.0	48.5	73.5	42.5	69.5	12.0	37.0	59
PST-2CRR	85.0	42.5	6.0	35.0	4.5	56.5	71.5	1.0	115.0	56.5	61.5	69.5	85.0	95.0	60
MP88	32.5	51.0	26.0	86.0	19.5	100.0	113.0	46.5	7.0	7.5	69.0	87.5	124.0	47.0	61
PST-2M4	61.0	38.5	45.0	93.0	2.5	110.5	71.5	53.5	110.5	30.5	61.5	59.5	81.5	56.0	62
PALMER III	59.5	65.0	72.5	52.0	93.0	65.0	10.5	112.0	33.0	79.0	24.5	59.5	75.5	37.0	63
PICK PR 1-94	59.5	77.0	124.0	23.5	63.0	50.5	113.0	124.0	43.5	22.5	86.5	36.0	113.0	83.5	64
ABT-99-4.339	85.0	73.5	81.5	52.0	97.5	50.5	10.5	97.0	54.5	114.0	36.0	77.0	44.0	56.0	65
MP107	56.5	54.5	33.0	44.5	43.5	117.5	113.0	63.5	22.5	2.0	116.5	96.5	84.0	67.5	66
ADMIRE (JR-151)	91.5	66.0	53.0	93.0	49.5	46.0	5.0	26.5	99.0	114.0	29.5	99.5	58.5	11.0	67
PST-2RT	65.0	64.0	10.0	78.0	25.0	103.5	40.0	63.5	48.5	85.5	38.5	96.5	117.5	67.5	68
DIVINE	89.0	77.0	113.5	11.5	113.5	42.0	5.0	74.5	101.0	11.0	61.5	69.5	34.5	109.0	69
UT-1000 (ABT-99-4.709)	70.0	79.0	121.0	86.0	56.0	84.5	99.0	70.0	101.0	11.0	97.0	49.5	48.0	123.0	70
PST-2LA	50.0	56.0	130.0	128.5	11.0	42.0	113.0	46.5	27.5	51.0	11.5	69.5	121.0	17.0	71
PICK PRNGS	74.0	69.0	53.0	113.5	49.5	100.0	113.0	114.0	3.0	73.5	81.5	92.5	4.0	4.0	72
GALAXY (JR-128)	90.0	92.0	63.0	35.0	68.5	93.5	71.5	102.0	43.5	108.0	11.5	63.5	68.0	5.0	73
MP103	74.0	61.0	72.5	78.0	63.0	122.5	71.5	40.0	54.5	38.0	76.5	83.0	108.5	95.0	74
CHARGER II	94.5	98.0	63.0	44.5	81.0	50.5	71.5	55.5	116.5	73.5	81.5	77.0	72.0	116.5	75
PST-CATS	78.0	42.5	14.0	127.0	87.0	84.5	113.0	12.0	78.5	44.0	76.5	59.5	100.0	116.5	76
MONTEREY II (JR-187)	71.0	67.0	4.5	60.0	128.0	46.0	40.0	51.5	16.0	47.5	32.5	92.5	101.0	26.0	77
CALYPSO II	78.0	77.0	45.0	35.0	49.5	69.5	21.0	63.5	105.0	70.0	42.5	106.0	64.5	56.0	78
SECRETARIAT	76.0	71.5	7.5	44.5	95.0	76.5	5.0	84.5	96.0	67.5	36.0	116.5	64.5	109.0	79
ASCEND	80.5	83.0	45.0	102.0	68.5	76.5	71.5	88.5	22.5	97.5	108.0	54.0	48.0	109.0	80
APR 1237	101.0	93.5	22.0	78.0	38.0	100.0	121.5	84.5	64.0	118.0	61.5	87.5	57.0	83.5	81
PST-2SBE	38.5	73.5	80.0	120.5	56.0	76.5	99.0	26.5	78.5	13.5	69.0	47.0	108.5	109.0	82
EP53	107.5	81.0	1.0	93.0	56.0	84.5	40.0	70.0	89.0	22.5	61.5	83.0	64.5	26.0	83
CATALINA	93.0	86.0	113.5	120.5	56.0	56.5	71.5	102.0	92.5	44.0	92.5	77.0	32.5	56.0	84
MANHATTAN 3	102.5	89.0	10.0	78.0	97.5	93.5	21.0	79.5	54.5	105.5	81.5	54.0	95.5	37.0	85
APR 1233	100.0	91.0	85.5	8.5	77.0	93.5	99.0	59.5	110.5	79.0	47.0	106.0	69.5	109.0	86
PANTHER	87.5	86.0	56.0	17.5	43.5	42.0	71.5	114.0	43.5	103.0	56.0	102.5	64.5	26.0	87
APR 776	102.5	96.0	94.0	69.0	68.5	61.0	99.0	111.0	64.0	105.5	15.5	112.5	95.5	116.5	88
EPD	74.0	86.0	94.0	27.5	87.0	84.5	121.5	59.5	54.5	16.0	95.5	92.5	92.0	74.0	89
LINE DRIVE	97.5	84.0	77.5	86.0	101.0	56.5	5.0	102.0	105.0	73.5	86.5	92.5	52.5	26.0	90



TABLE 3. (CONT'D)

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN AT TWENTY-EIGHT LOCATIONS IN THE U.S. AND CANADA  
2000 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING

NAME	NJ1	NJ2	NS1	NY1	OH1	PA1	DE1	RI1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
PLEASURE XL	91.5	106.0	53.0	123.0	97.5	56.5	125.5	79.5	60.0	93.0	76.5	92.5	73.0	74.0	91
CATHEDRAL II	109.5	109.5	50.0	102.0	34.0	46.0	21.0	127.0	7.0	85.5	24.5	106.0	90.5	17.0	92
EXTREME (JR-317)	87.5	88.0	104.5	102.0	87.0	69.5	129.0	102.0	72.5	67.5	15.5	87.5	80.0	17.0	93
PHANTOM	85.0	99.0	26.0	60.0	38.0	100.0	71.5	119.0	110.5	18.5	86.5	69.5	23.0	56.0	94
ALLSPORT	94.5	101.0	33.0	11.5	87.0	65.0	99.0	22.5	96.0	126.0	125.5	69.5	44.0	125.0	95
RACER	115.0	117.0	108.5	17.5	43.5	107.0	40.0	129.0	105.0	62.5	121.0	77.0	13.0	126.5	96
LPR 98-144	96.0	115.0	40.5	117.0	77.0	50.5	71.5	57.5	72.5	97.5	86.5	77.0	26.5	17.0	97
APR 1232	111.5	117.0	83.5	27.5	68.5	103.5	71.5	119.0	69.0	89.0	69.0	106.0	41.0	56.0	98
APR 1231	82.0	122.5	56.0	52.0	125.0	93.5	99.0	79.5	105.0	120.5	119.5	109.0	10.0	95.0	99
PREMIER	124.0	109.5	12.5	17.5	87.0	73.0	10.5	94.5	110.5	100.5	98.5	110.5	71.0	95.0	100
MEPY	65.0	51.0	22.0	117.0	68.5	105.0	113.0	84.5	54.5	73.5	61.5	87.5	128.0	83.5	101
CAS-LP84	104.0	93.5	85.5	113.5	56.0	84.5	71.5	40.0	27.5	22.5	101.5	43.5	127.0	74.0	102
ABT-99-4.600	99.0	117.0	81.5	86.0	109.0	93.5	71.5	91.0	78.5	67.5	101.5	77.0	95.5	78.5	103
SUPERSTAR (EP57)	54.0	90.0	69.0	86.0	87.0	69.5	71.5	63.5	110.5	38.0	116.5	98.0	103.0	116.5	104
PARADIGM (APR 1236)	72.0	111.0	56.0	78.0	103.0	127.0	113.0	20.0	27.5	93.0	90.0	59.5	120.0	123.0	105
PROWLER (APR 777)	117.0	112.0	108.5	78.0	101.0	122.5	99.0	109.0	116.5	82.5	101.5	121.5	64.5	37.0	106
PROSPORT (AG-P981)	69.0	114.0	126.0	102.0	29.5	65.0	71.5	94.5	119.5	89.0	57.5	63.5	111.0	119.5	107
SKYHAWK	78.0	108.0	113.5	35.0	63.0	84.5	113.0	102.0	27.5	38.0	112.5	101.0	122.0	109.0	108
PICK EX2	113.0	100.0	22.0	35.0	118.0	120.0	40.0	94.5	78.5	85.5	81.5	116.5	90.5	123.0	109
MDP	97.5	75.0	108.5	52.0	77.0	110.5	130.0	49.5	69.0	16.0	127.5	77.0	115.5	119.5	110
HEADSTART	111.5	96.0	94.0	102.0	109.0	84.5	71.5	114.0	89.0	123.0	47.0	102.5	30.0	56.0	111
APR 1235	119.0	103.5	58.5	123.0	93.0	114.0	21.0	88.5	105.0	97.5	104.0	99.5	110.0	63.0	112
PASSPORT	105.5	103.5	128.0	102.0	93.0	76.5	113.0	92.0	33.0	114.0	32.5	120.0	26.5	17.0	113
SRX 4120	109.5	121.0	83.5	60.0	87.0	107.0	71.5	126.0	78.5	108.0	53.5	116.5	29.0	47.0	114
LPR 98-143	117.0	103.5	125.0	78.0	77.0	117.5	71.5	79.5	78.5	110.5	123.0	69.5	113.0	63.0	115
KOOS R-71	105.5	103.5	4.5	110.0	120.0	110.5	121.5	84.5	119.5	116.0	95.5	114.0	56.0	83.5	116
AFFINITY	107.5	113.0	17.0	102.0	115.0	110.5	1.0	40.0	119.5	112.0	123.0	116.5	54.5	78.5	117
BY-100	122.5	96.0	45.0	117.0	111.0	107.0	40.0	119.0	85.0	110.5	105.0	124.5	87.5	47.0	118
WVPB-R-84	114.0	107.0	45.0	110.0	127.0	125.0	2.0	51.5	114.0	125.0	108.0	110.5	102.0	83.5	119
WVPB-R-82	127.0	125.0	28.5	35.0	120.0	117.5	40.0	70.0	119.5	108.0	112.5	112.5	74.0	109.0	120
LTP-ME	56.5	80.0	127.0	52.0	112.0	76.5	128.0	102.0	126.5	103.0	115.0	106.0	130.0	126.5	121
EDGE	120.5	120.0	94.0	102.0	116.5	125.0	5.0	122.0	78.5	123.0	92.5	123.0	60.5	95.0	122
DP LP-1	120.5	122.5	50.0	78.0	106.0	114.0	10.5	122.0	122.5	120.5	118.0	124.5	75.5	67.5	123
DP 17-9391	117.0	127.0	72.5	35.0	124.0	125.0	71.5	116.0	122.5	118.0	119.5	127.0	113.0	63.0	124
APR 1234	126.0	126.0	58.5	69.0	113.5	117.5	71.5	122.0	128.0	118.0	108.0	119.0	117.5	121.0	125
BUCCANEER	122.5	124.0	17.0	125.5	126.0	114.0	71.5	125.0	125.0	79.0	123.0	121.5	105.5	128.0	126
YATSUGREEN	128.0	128.0	66.5	130.0	116.5	128.0	21.0	109.0	126.5	127.5	127.5	128.0	105.5	37.0	127
DP 17-9069	125.0	119.0	120.0	125.5	120.0	121.0	40.0	102.0	124.0	127.5	125.5	126.0	95.5	103.0	128
DP 17-9496	129.0	129.0	118.5	93.0	129.0	129.0	21.0	128.0	129.0	129.0	129.0	129.0	126.0	129.0	129
LINN	130.0	130.0	129.0	60.0	130.0	130.0	10.5	130.0	130.0	130.0	130.0	130.0	129.0	130.0	130

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

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

TABLE 4.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT TEN LOCATIONS IN THE U.S. AND CANADA 1/  
 UNDER "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" \*  
 2000 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	KS1	KY1	MD1	MT1	NE1	NY1	SD1	UT1	VA1	WA3	MEAN
ROBERTS-627	6.4	9.0	5.6	7.1	6.4	6.8	7.2	7.0	6.0	4.5	6.6
APPLAUD (PENNINGTON-11301)	5.5	8.7	4.8	7.6	7.4	7.5	6.9	5.6	6.3	5.0	6.5
CHARISMATIC (LTP 98-501)	6.4	8.7	5.3	6.6	6.5	7.5	6.9	5.8	6.0	4.9	6.5
PST-2L96	6.2	8.6	5.3	7.3	6.8	8.0	6.6	5.7	5.6	4.4	6.4
NJ-6401	6.0	8.1	5.4	7.0	6.3	7.5	6.6	6.0	5.9	5.2	6.4
DLF-LDD	6.1	8.4	5.1	7.1	6.0	7.0	6.2	6.0	6.6	4.9	6.3
R8000	5.8	8.3	5.2	6.8	6.8	6.2	6.9	6.2	6.2	5.0	6.3
NEXUS	5.9	8.8	5.2	7.0	5.9	6.8	6.8	5.8	5.7	5.2	6.3
SRX 4820	5.5	8.8	5.1	7.2	6.8	6.7	6.4	5.6	5.7	5.1	6.3
PREMIER II	5.5	7.8	5.0	7.1	6.3	7.0	6.8	5.7	6.4	4.8	6.2
SEVILLE II	5.5	8.2	4.9	6.9	5.9	6.2	6.7	6.3	6.4	5.0	6.2
MB 410 (ABT-99-4.629)	6.2	8.3	5.1	7.1	6.1	6.2	6.6	5.2	6.3	4.9	6.2
CABO (CIS-PR-80)	6.3	8.7	5.0	7.2	6.0	5.7	6.0	5.9	6.0	5.0	6.2
CIS-PR-75	5.6	8.3	5.4	7.0	6.1	6.2	6.3	6.4	5.8	4.7	6.2
PICK RC2	6.0	7.7	5.2	6.3	5.9	6.8	6.8	5.9	6.0	4.9	6.2
CHURCHILL	6.0	8.6	5.1	6.4	6.0	5.8	6.8	6.1	5.9	4.8	6.2
PICK MDR	5.7	8.6	4.8	6.3	6.5	6.3	6.4	5.8	5.8	5.2	6.1
PACESETTER (6011)	5.3	8.0	5.0	8.3	5.9	5.8	6.6	5.7	5.9	4.8	6.1
MB 412 (ABT-99-4.461)	5.4	8.5	5.6	6.8	6.3	5.7	6.8	6.3	5.3	4.4	6.1
PIZZAZZ	5.8	8.6	5.0	6.4	6.4	6.7	6.7	4.7	6.1	4.7	6.1
SRX 4801	5.6	8.6	4.6	6.4	6.7	6.2	6.2	5.7	6.4	4.7	6.1
PINNACLE II (BAR 9 E2)	5.9	8.2	4.7	7.2	5.7	7.2	6.6	5.3	5.5	4.9	6.1
KOKOMO (CIS-PR-69)	6.0	8.8	4.7	6.1	6.6	6.0	6.5	6.4	5.8	4.3	6.1
MB 411 (ABT-99-4.753)	5.8	8.6	5.1	6.7	6.7	5.2	6.3	5.7	5.7	5.3	6.1
MP107	5.9	7.9	4.7	7.4	5.8	6.2	6.7	6.7	5.2	4.6	6.1
PICK PR QH-97	5.9	8.2	5.0	6.6	5.5	6.5	6.9	5.8	5.7	4.8	6.1
SR 4500	5.4	7.9	5.3	6.2	6.7	5.8	6.6	5.3	6.6	5.2	6.1
AMAZING (B1)	5.5	8.8	5.1	6.3	6.5	5.2	6.6	6.4	5.8	4.6	6.1
EXACTA	5.2	8.5	5.2	7.0	6.3	5.5	6.4	5.7	5.9	5.0	6.1
ABT-99-4.724	4.9	8.3	4.3	6.7	6.4	7.7	6.3	5.8	6.0	4.5	6.1
PST-2JH	5.4	7.5	5.1	7.2	5.8	6.8	6.6	5.9	5.9	4.5	6.1
PENNANT II	6.3	7.7	5.4	5.9	5.4	7.3	6.3	5.5	5.5	5.4	6.1
ABT-99-4.115	6.1	7.8	4.7	7.4	5.7	6.3	6.8	5.4	5.9	4.6	6.1
MB 414 (ABT-99-4.903)	5.8	8.7	5.0	6.2	6.3	5.8	6.5	5.4	5.7	5.2	6.1
STELLAR (CIS-PR-72)	6.0	8.4	4.5	6.7	5.7	5.7	6.6	6.1	6.0	4.9	6.1
PICK PR 1-94	5.1	8.2	4.9	6.4	6.8	6.7	6.6	6.0	5.6	4.3	6.1
PST-2BR	5.1	8.7	5.0	6.8	5.8	5.0	6.6	5.9	6.3	5.4	6.1
GATOR 3 (CIS-PR-85)	6.1	8.5	5.4	6.8	6.0	5.0	6.3	6.3	5.7	4.5	6.1
RADIANT	5.3	8.7	4.9	6.4	6.7	6.8	6.2	5.4	5.3	4.8	6.1
BARLENNIUM	5.3	7.9	5.4	7.4	5.8	5.3	6.8	5.6	6.0	5.0	6.1
MB 413 (ABT-99-4.633)	5.4	8.7	4.5	6.0	6.6	6.7	6.6	5.9	5.6	4.6	6.1
SRX 4RHT	6.0	8.3	4.8	6.7	5.9	5.7	6.7	5.6	5.8	5.0	6.0
DIVINE	5.2	7.3	5.0	6.8	6.1	7.0	6.1	6.3	5.7	4.9	6.0
FIESTA 3	5.6	7.7	4.8	6.2	6.6	6.3	6.6	5.3	5.9	5.3	6.0
PROMISE	5.5	8.0	5.1	5.7	6.3	7.5	6.3	5.4	5.6	4.8	6.0
GALAXY (JR-128)	5.2	7.5	5.1	6.8	6.6	6.3	6.6	5.1	6.2	4.7	6.0
MAJESTY	6.2	7.8	5.1	7.0	6.4	4.2	6.4	5.9	5.9	5.1	6.0
ALL STAR <sup>2</sup> (CIS-PR-78)	5.9	8.6	4.8	7.2	5.7	6.0	6.1	6.0	5.6	4.0	6.0
UT-1000 (ABT-99-4.709)	5.8	8.1	5.1	6.7	6.2	5.3	6.1	6.3	5.5	4.8	6.0

TABLE 4. (CONT'D) MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT TEN LOCATIONS IN THE U.S. AND CANADA  
 UNDER "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" \*  
 2000 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	KS1	KY1	MD1	MT1	NE1	NY1	SD1	UT1	VA1	WA3	MEAN
MP88	5.6	8.2	5.2	6.6	5.9	5.3	6.9	6.3	5.7	4.0	6.0
CIS-PR-84	5.4	8.8	4.8	6.3	6.3	4.8	6.7	6.6	5.9	4.2	6.0
A5C (ABT-99-4.960)	5.7	8.7	5.1	6.3	6.0	6.3	6.3	5.3	5.3	4.7	6.0
JET	5.4	8.5	4.7	6.1	6.2	5.3	6.7	5.8	6.0	4.8	6.0
ABT-99-4.834	5.3	8.7	4.6	6.9	5.8	5.7	6.8	5.2	6.1	4.6	6.0
APR 776	5.8	7.5	4.8	6.4	7.3	5.7	6.4	5.1	6.1	4.5	6.0
ABT-99-4.339	6.0	7.8	5.0	6.8	5.8	6.0	6.5	5.0	5.9	4.8	5.9
EPD	5.3	7.8	5.2	6.4	5.6	6.5	6.5	6.1	5.5	4.5	5.9
PST-2SLX	5.8	7.7	5.4	6.1	5.8	5.8	6.4	5.8	6.0	4.7	5.9
AFFIRMED	5.3	8.0	5.0	6.8	6.5	4.8	6.4	5.8	6.0	4.6	5.9
ABT-99-4.560	5.1	8.2	5.2	7.7	5.4	5.7	6.3	5.6	5.7	4.5	5.9
WILMINGTON	5.7	8.6	4.9	7.2	5.3	5.0	6.2	5.6	5.8	4.9	5.9
PALMER III	5.8	7.0	4.9	6.6	6.4	6.0	6.6	5.4	6.0	4.6	5.9
APR 1233	5.9	7.2	4.6	5.7	6.8	7.2	6.0	5.4	5.9	4.7	5.9
PARAGON	5.6	7.9	5.2	5.3	6.9	5.7	6.8	5.3	5.3	5.0	5.9
BRIGHTSTAR II	5.6	7.9	5.0	6.3	5.9	4.8	6.6	5.8	6.1	4.9	5.9
MP103	5.4	7.8	4.5	7.6	6.0	5.5	6.5	5.8	5.7	4.3	5.9
ELFKIN	5.2	8.3	5.2	5.9	6.0	5.2	6.6	5.4	5.9	5.1	5.9
ABT-99-4.464	5.3	8.0	4.7	7.0	6.4	4.5	6.4	5.6	6.3	4.7	5.9
MONTEREY II (JR-187)	5.2	7.0	4.6	6.6	6.4	5.8	6.8	5.8	5.9	4.4	5.9
RACER	5.9	7.3	5.1	5.6	6.1	6.8	6.1	5.6	5.1	5.1	5.9
PICK PR B-97	6.0	8.1	5.1	6.1	6.1	4.5	7.0	5.8	5.7	4.2	5.9
CHARGER II	5.8	7.4	4.9	7.1	5.6	6.2	5.9	5.4	5.6	4.6	5.9
MANHATTAN 3	5.9	8.1	5.0	7.2	5.1	5.5	6.5	5.1	5.6	4.5	5.9
ASCEND	6.1	7.7	5.1	6.0	6.4	5.0	6.7	5.2	5.3	4.8	5.8
APR 1232	5.9	6.8	4.6	6.7	5.8	6.5	6.4	5.3	5.7	4.8	5.8
LINE DRIVE	5.5	7.7	5.0	7.4	5.4	5.3	6.1	5.4	5.6	4.7	5.8
MANHATTAN 4 (PST-2CRL)	5.4	8.5	4.8	6.7	6.3	3.7	6.4	5.9	5.8	4.9	5.8
PST-2CRR	5.5	7.5	4.7	6.6	5.7	6.3	5.9	5.7	5.7	4.5	5.8
PANTHER	5.3	6.6	4.8	6.0	6.4	6.8	6.6	5.2	5.8	4.7	5.8
BRIGHTSTAR SLT (PST-2A6B)	5.2	8.2	4.9	5.8	6.4	6.5	6.5	5.2	5.7	3.8	5.8
CALYPSO II	5.6	7.7	4.9	6.0	5.6	6.3	6.1	5.4	5.9	4.7	5.8
HEADSTART	5.4	6.6	5.4	7.7	6.3	5.0	6.3	4.7	5.9	4.9	5.8
PICK PRNGS	5.7	7.3	5.2	5.7	6.2	4.7	6.9	5.4	5.6	5.3	5.8
ADMIRE (JR-151)	6.3	7.0	4.6	7.1	5.9	5.2	6.1	5.0	6.0	4.7	5.8
SKYHAWK	5.6	7.5	4.4	6.2	6.0	6.3	6.7	5.8	5.3	4.1	5.8
CATALINA	5.4	7.5	5.2	7.1	5.8	4.3	6.2	5.8	5.6	4.9	5.8
SECRETARIAT	5.8	7.0	4.7	6.0	5.8	6.2	6.2	5.5	5.9	4.7	5.8
APR 1237	5.2	7.9	5.1	6.3	5.9	5.5	6.4	4.9	5.7	4.7	5.8
EP53	5.3	7.4	4.6	6.8	5.7	5.2	6.3	6.0	5.7	4.7	5.8
EXTREME (JR-317)	5.8	7.2	4.9	6.0	6.2	5.0	6.4	5.5	6.1	4.6	5.8
PST-2M4	5.3	8.1	5.0	5.9	5.8	5.2	6.0	5.9	5.7	4.6	5.8
PHANTOM	5.2	7.2	4.6	6.4	5.6	5.8	6.0	6.1	5.6	5.0	5.8
SRX 4120	6.1	6.8	4.6	6.7	5.1	5.8	6.3	5.1	5.8	4.9	5.7
APR 1231	5.8	6.8	4.9	6.8	5.8	6.0	6.1	4.8	5.1	5.2	5.7
PICK EX2	5.2	6.5	4.8	6.4	6.2	6.3	6.3	5.3	5.6	4.5	5.7
PLEASURE XL	5.8	7.9	5.1	6.0	6.3	4.2	6.4	5.3	5.7	4.6	5.7

TABLE 4. (CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT TEN LOCATIONS IN THE U.S. AND CANADA  
 UNDER "SCHEDULE A (HIGH MAINTENANCE/FAIRWAY)" \*  
 2000 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	KS1	KY1	MD1	MT1	NE1	NY1	SD1	UT1	VA1	WA3	MEAN
PST-2RT	5.0	7.5	4.8	6.7	5.8	5.5	6.6	5.3	5.9	4.2	5.7
PROWLER (APR 777)	5.4	7.0	5.2	6.6	6.0	5.5	5.9	5.4	5.5	4.7	5.7
MDP	5.3	7.7	5.0	5.4	6.2	6.0	6.4	6.1	4.8	4.2	5.7
LPR 98-143	5.3	7.3	5.2	7.1	6.1	5.5	6.3	5.1	5.0	4.3	5.7
PASSPORT	5.6	6.9	5.2	5.4	6.5	5.0	6.6	5.0	5.9	4.9	5.7
LPR 98-144	6.0	6.8	5.0	5.9	6.7	4.5	6.4	5.2	5.6	4.9	5.7
CATHEDRAL II	5.5	7.4	4.8	6.0	5.6	5.0	6.9	5.3	6.0	4.5	5.7
ABT-99-4.600	5.3	7.7	4.6	6.7	5.6	5.3	6.3	5.5	5.5	4.5	5.7
PARADIGM (APR 1236)	5.4	8.2	4.7	6.0	5.4	5.5	6.7	5.3	5.6	4.1	5.7
PST-CATS	6.1	7.5	5.2	6.3	5.5	3.8	6.3	5.8	5.7	4.4	5.7
ALLSPORT	5.2	7.3	4.8	6.2	5.8	7.0	6.2	4.4	5.0	4.8	5.7
PREMIER	5.4	6.7	4.4	6.2	5.6	6.8	6.0	5.2	5.5	4.6	5.6
PST-2SBE	5.5	7.8	5.2	6.3	4.8	4.3	6.3	6.2	5.7	4.3	5.6
MEPY	5.7	7.6	4.8	6.9	5.4	4.5	6.5	5.4	5.7	3.6	5.6
CAS-LP84	5.6	7.3	5.0	5.8	5.5	4.7	6.7	6.0	5.5	3.7	5.6
PROSPORT (AG-P981)	5.4	7.3	4.6	6.7	5.6	5.0	5.8	5.3	5.8	4.3	5.6
PST-2LA	5.4	7.4	4.8	6.2	5.4	3.7	6.7	5.7	6.2	4.1	5.6
SUPERSTAR (EP57)	5.3	7.8	4.4	6.3	4.7	5.3	6.0	5.8	5.2	4.4	5.5
WVPB-R-82	5.7	5.9	4.8	5.8	5.8	6.3	5.8	5.1	5.3	4.6	5.5
KOOS R-71	5.5	6.2	4.8	5.8	6.4	4.8	5.8	4.9	5.5	4.7	5.4
DP 17-9391	5.9	6.4	4.7	6.0	5.0	6.3	5.7	4.9	5.1	4.3	5.4
BY-100	5.5	6.8	4.5	5.8	5.8	4.5	6.3	5.1	5.4	4.5	5.4
EDGE	5.5	6.0	4.8	6.1	5.4	5.0	6.3	4.7	5.6	4.7	5.4
APR 1235	5.0	7.1	5.2	5.7	5.9	4.2	6.1	5.2	5.4	4.3	5.4
AFFINITY	5.4	6.5	4.6	5.9	5.7	5.0	5.8	5.1	5.0	4.7	5.4
WVPB-R-84	5.4	6.5	5.0	5.7	5.6	4.8	5.9	4.6	5.3	4.4	5.3
DP LP-1	5.2	6.4	4.0	6.2	5.3	5.5	5.7	4.8	5.2	4.6	5.3
APR 1234	4.8	6.3	4.0	6.0	5.6	5.7	5.3	4.9	5.3	4.2	5.2
BUCCANEER	5.6	6.1	4.4	6.0	5.1	4.0	5.6	5.4	5.0	4.3	5.1
LTP-ME	5.3	7.4	3.6	5.7	4.3	6.0	5.4	5.2	5.2	3.4	5.1
DP 17-9069	5.3	6.4	4.4	.	5.0	4.0	5.7	4.2	5.0	4.5	4.9
YATSUGREEN	5.5	5.8	4.4	5.4	5.8	3.5	5.4	4.2	4.8	4.3	4.9
DP 17-9496	5.1	5.5	3.3	5.1	3.8	5.2	4.6	3.6	4.1	3.8	4.4
LINN	4.5	4.0	3.3	4.7	3.3	5.8	4.0	2.9	3.2	3.5	3.9
LSD VALUE	1.0	0.6	0.5	1.7	1.0	2.7	0.7	0.9	0.8	0.7	0.4
C.V. (%)	11.6	4.5	6.9	16.0	14.7	29.5	7.0	10.4	9.2	12.7	13.5

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

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

\* SCHEDULE A -  $\frac{1}{2}$ - $\frac{3}{4}$  INCH MOWING HEIGHT  
 $\frac{1}{2}$ - $\frac{3}{4}$  lb. N/1000 FT<sup>2</sup>/PER GROWING MONTH  
 IRRIGATION TO PREVENT VISUAL DROUGHT STRESS  
 NO FUNGICIDE USE UNLESS SEVERE STAND LOSS IS POSSIBLE  
 WEED AND INSECT CONTROL TO PREVENT STAND LOSS

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/  
 UNDER "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" \*  
 2000 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	CA6	IL1	ME1	MI1	MN1	NJ1	NS1	PA1	RI1	MEAN
APPLAUD (PENNINGTON-11301)	7.0	5.6	7.4	6.8	5.8	7.0	6.3	8.0	6.7	6.7
ROBERTS-627	6.9	6.3	6.9	7.3	6.0	6.9	5.6	7.9	6.6	6.7
JET	7.0	5.9	7.2	6.7	5.7	6.2	6.0	7.9	6.9	6.6
SRX 4801	6.3	5.7	8.0	6.7	5.2	6.4	6.7	8.0	6.2	6.6
ALL STAR <sup>2</sup> (CIS-PR-78)	6.4	6.0	6.7	6.6	5.9	6.4	5.8	8.4	6.8	6.6
CIS-PR-84	6.6	5.9	7.2	6.5	5.8	6.7	6.1	7.7	6.3	6.5
PIZZAZZ	6.5	5.8	7.3	6.8	6.0	6.7	5.2	7.9	6.5	6.5
CHARISMATIC (LTP 98-501)	6.5	5.8	7.3	7.0	5.6	6.4	5.4	8.1	6.6	6.5
GATOR 3 (CIS-PR-85)	6.7	5.8	7.3	6.9	5.4	6.5	5.6	7.5	6.9	6.5
R8000	6.5	5.0	7.8	6.5	5.8	6.1	6.2	7.8	6.6	6.5
STELLAR (CIS-PR-72)	6.1	5.7	7.6	6.8	5.8	5.7	6.7	7.9	6.0	6.5
SRX 4820	6.6	5.7	7.8	6.5	5.7	6.3	5.4	7.4	6.7	6.5
AMAZING (B1)	6.4	5.9	7.1	6.9	5.8	6.8	5.4	7.6	6.2	6.5
SRX 4RHT	6.3	5.8	7.4	6.9	6.0	6.4	5.7	7.5	5.9	6.4
ABT-99-4.834	6.4	5.7	7.9	6.5	5.7	6.6	5.5	7.7	6.1	6.4
KOKOMO (CIS-PR-69)	6.7	6.0	6.8	6.6	5.6	6.3	5.7	7.9	6.4	6.4
PICK MDR	6.5	6.0	7.1	7.0	5.3	6.5	5.8	7.7	5.9	6.4
DLF-LDD	6.3	5.2	7.0	6.9	5.7	6.3	5.9	8.1	6.4	6.4
PINNACLE II (BAR 9 B2)	6.8	6.3	6.8	6.4	5.7	7.1	5.3	7.7	5.8	6.4
AFFIRMED	6.5	6.7	7.1	6.6	5.4	4.9	6.0	7.6	6.9	6.4
PST-2BR	6.6	5.9	6.3	7.0	5.7	6.0	5.4	7.9	6.7	6.4
PICK PR B-97	6.1	5.8	6.9	6.8	5.8	5.8	6.2	7.6	6.4	6.4
SR 4500	6.4	5.8	7.2	6.7	5.9	6.0	6.2	7.5	5.8	6.4
ABT-99-4.115	6.1	5.6	7.6	6.5	5.9	5.9	6.1	7.5	6.1	6.4
SEVILLE II	6.7	5.6	6.6	6.8	5.4	6.1	6.0	7.3	6.8	6.4
PROMISE	6.2	5.7	7.3	6.6	5.1	6.1	5.9	7.1	7.0	6.3
PST-2L96	6.3	6.3	6.9	6.7	5.7	6.5	5.4	7.7	5.7	6.3
PARAGON	6.3	5.0	7.3	6.5	5.4	5.7	6.0	7.9	6.6	6.3
PICK PR QH-97	6.5	5.5	7.3	6.5	5.7	6.0	6.1	7.1	5.9	6.3
FIESTA 3	6.5	5.3	7.3	6.4	5.3	5.5	6.0	7.7	6.7	6.3
ABT-99-4.560	6.1	5.7	6.9	6.7	5.3	5.7	5.4	8.3	6.5	6.3
EXACTA	6.4	6.5	6.0	6.6	5.2	6.1	5.0	7.8	7.1	6.3
ELFKIN	6.3	5.6	7.0	6.8	6.0	5.2	6.3	7.5	5.9	6.3
RADIANT	6.1	5.9	6.9	6.5	5.6	5.7	6.2	7.7	5.9	6.3
PREMIER II	6.2	5.8	7.2	6.6	5.1	5.5	5.8	7.7	6.5	6.3
CHURCHILL	6.1	6.0	7.1	6.4	5.4	5.7	6.0	7.3	6.4	6.3
NJ-6401	6.4	5.4	6.4	7.0	5.7	5.8	5.3	7.6	6.8	6.3
MANHATTAN 4 (PST-2CRL)	6.6	5.3	7.1	6.6	5.6	6.0	5.2	7.8	6.0	6.2
A5C (ABT-99-4.960)	6.5	6.1	7.0	6.8	5.1	5.2	5.8	7.9	5.8	6.2
ABT-99-4.724	6.8	5.7	6.8	6.7	5.2	5.6	5.4	7.7	6.1	6.2
PST-2SLX	6.2	5.5	6.4	6.6	5.9	5.7	5.9	7.3	6.6	6.2
BRIGHTSTAR SLT (PST-2A6B)	6.3	5.2	6.9	6.7	6.3	6.0	5.6	7.5	5.5	6.2
PST-2JH	6.1	5.4	7.1	6.7	5.8	5.3	5.4	7.7	6.5	6.2
BRIGHTSTAR II	6.3	5.3	7.1	6.5	5.6	5.9	5.4	7.2	6.3	6.2
PENNANT II	5.7	5.1	6.3	6.7	5.5	5.8	6.0	7.7	6.8	6.2
MB 413 (ABT-99-4.633)	5.9	5.8	6.8	6.5	5.5	5.9	5.6	7.7	5.8	6.2
PST-CATS	6.3	5.7	6.7	6.5	5.4	5.0	6.2	7.1	6.7	6.2
MB 411 (ABT-99-4.753)	5.9	5.3	7.1	6.7	5.8	5.5	5.4	7.4	6.4	6.2
MB 412 (ABT-99-4.461)	6.0	5.7	6.4	6.6	5.3	6.4	5.3	7.1	6.6	6.2

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA  
 UNDER "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" \*  
 2000 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA6	IL1	ME1	MI1	MN1	NJ1	NS1	PA1	RI1	MEAN
MP88	6.1	4.9	6.8	6.7	5.8	5.9	6.1	6.9	6.2	6.2
ADMIRE (JR-151)	5.9	5.5	7.0	6.4	6.0	4.7	5.9	7.4	6.5	6.1
PST-2CRR	6.1	5.0	5.9	6.3	6.2	4.9	6.4	7.3	7.1	6.1
PST-2SBE	6.0	5.5	6.8	6.5	5.3	5.7	5.6	7.1	6.5	6.1
ABT-99-4.464	6.1	5.2	6.0	6.4	5.9	5.7	6.0	7.9	5.9	6.1
CIS-PR-75	6.5	5.3	7.1	6.6	5.5	5.7	5.3	7.3	5.6	6.1
NEXUS	6.4	5.2	6.1	6.7	5.4	6.7	5.0	7.0	6.4	6.1
BARLENNIUM	6.3	6.2	4.9	6.4	5.6	5.7	6.0	7.7	6.2	6.1
WILMINGTON	6.3	5.5	6.4	6.4	5.3	5.6	5.6	7.3	6.3	6.1
PST-2LA	6.3	5.3	7.2	6.8	5.3	5.6	4.5	7.5	6.2	6.1
CABO (CIS-PR-80)	6.3	5.8	6.3	6.3	5.3	5.7	5.4	7.1	6.4	6.1
MB 410 (ABT-99-4.629)	6.0	5.9	7.6	6.6	5.5	5.2	5.2	7.2	5.6	6.1
PICK RC2	5.9	6.0	6.4	6.6	5.7	5.3	5.1	7.0	6.3	6.0
PST-2RT	6.2	5.5	6.1	6.7	5.6	5.2	6.3	6.9	6.0	6.0
PST-2M4	6.0	5.7	5.9	6.8	6.0	5.3	5.9	6.7	6.1	6.0
MONTEREY II (JR-187)	6.0	5.6	6.0	6.5	5.2	5.1	6.4	7.4	6.2	6.0
ABT-99-4.339	6.3	6.0	6.6	6.7	5.4	4.9	5.5	7.4	5.6	6.0
PALMER III	6.2	5.5	6.9	6.6	5.5	5.3	5.6	7.3	5.4	6.0
MB 414 (ABT-99-4.903)	5.8	5.6	7.1	6.4	5.0	5.4	5.4	7.0	6.4	6.0
SECRETARIAT	6.2	5.6	6.0	6.2	5.7	5.0	6.3	7.1	5.8	6.0
MAJESTY	6.1	5.6	6.6	6.4	5.5	5.0	6.0	7.3	5.6	6.0
CALYPSO II	6.3	4.9	6.9	6.5	5.1	5.0	5.9	7.2	6.0	6.0
PACESETTER (6011)	6.2	5.3	7.1	6.3	5.4	5.5	5.7	6.9	5.3	6.0
MP107	6.1	5.4	6.2	6.6	5.4	5.4	6.0	6.6	6.0	6.0
PICK PRNGS	6.2	5.6	6.6	6.3	5.9	5.1	5.9	6.9	5.4	6.0
CAS-LP84	6.2	5.1	6.3	6.8	5.7	4.4	5.5	7.1	6.3	5.9
ALLSPORT	5.7	5.0	5.7	6.6	5.9	4.7	6.0	7.3	6.6	5.9
APR 1231	5.7	5.5	6.4	6.6	5.4	4.9	5.8	7.0	5.8	5.9
MDP	5.9	5.6	7.0	6.5	5.4	4.6	5.3	6.7	6.2	5.9
MP103	6.0	5.9	6.0	6.7	5.2	5.1	5.6	6.3	6.3	5.9
APR 1237	6.0	5.7	6.3	6.4	5.3	4.5	6.1	6.9	5.8	5.9
SUPERSTAR (EP57)	5.9	4.6	6.3	6.5	5.4	5.5	5.7	7.2	6.0	5.9
LPR 98-144	5.5	5.4	6.2	6.5	5.4	4.6	6.0	7.4	6.1	5.9
PANTHER	5.9	5.0	6.7	6.5	5.4	4.9	5.8	7.5	5.4	5.9
UT-1000 (ABT-99-4.709)	6.1	5.3	6.3	6.5	5.5	5.1	5.0	7.1	5.9	5.9
CATALINA	6.2	5.3	6.3	6.5	5.7	4.7	5.2	7.3	5.6	5.9
EPD	5.9	5.3	6.2	6.6	5.2	5.1	5.4	7.1	6.1	5.9
PLEASURE XL	5.8	5.8	5.8	6.5	5.2	4.7	5.9	7.3	5.8	5.9
DIVINE	5.9	5.3	6.1	6.7	5.3	4.9	5.2	7.5	5.9	5.9
EP53	6.3	5.0	5.9	6.4	5.3	4.3	6.8	7.1	5.9	5.9
CHARGER II	6.3	5.4	5.0	6.6	5.4	4.7	5.8	7.4	6.1	5.9
ASCEND	5.6	5.3	6.2	6.5	5.2	5.0	5.9	7.1	5.8	5.9
CATHEDRAL II	6.3	5.0	6.7	6.5	5.7	4.2	5.9	7.4	4.8	5.8
GALAXY (JR-128)	5.6	5.3	6.2	6.6	5.8	4.8	5.8	7.0	5.6	5.8
AFFINITY	6.3	5.4	6.0	6.1	5.3	4.3	6.2	6.7	6.3	5.8
PROSPORT (AG-P981)	5.5	5.4	6.9	6.4	5.6	5.1	4.7	7.3	5.7	5.8
KOOS R-71	6.2	5.0	6.0	6.5	5.6	4.3	6.4	6.7	5.8	5.8
APR 1233	5.8	5.9	6.3	6.2	5.2	4.5	5.5	7.0	6.1	5.8
EXTREME (JR-317)	5.3	5.7	6.4	6.6	5.4	4.9	5.3	7.2	5.6	5.8

TABLE 5. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT NINE LOCATIONS IN THE U.S. AND CANADA  
 UNDER "SCHEDULE B (MEDIUM MAINTENANCE/ATHLETIC FIELD)" \*  
 2000 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA6	IL1	ME1	MI1	MN1	NJ1	NS1	PA1	RI1	MEAN
MEPY	5.8	5.0	6.0	6.4	5.2	5.2	6.1	6.8	5.8	5.8
APR 776	6.0	5.3	6.7	6.5	5.1	4.5	5.4	7.3	5.4	5.8
ABT-99-4.600	5.8	5.0	6.6	6.5	5.5	4.6	5.5	7.0	5.7	5.8
PICK PR 1-94	6.2	5.4	6.3	6.4	5.0	5.3	5.0	7.4	5.1	5.8
PHANTOM	6.1	5.1	5.8	6.5	5.3	4.9	6.1	6.9	5.2	5.8
MANHATTAN 3	6.1	5.4	5.2	6.7	5.0	4.5	6.3	7.0	5.8	5.8
LTP-ME	5.6	5.0	7.3	6.4	4.8	5.4	4.6	7.1	5.6	5.8
PARADIGM (APR 1236)	5.9	5.2	5.4	6.2	5.2	5.1	5.8	6.1	6.6	5.7
PREMIER	5.8	5.0	6.1	6.1	5.7	3.8	6.2	7.1	5.7	5.7
APR 1232	5.8	5.8	6.7	6.5	4.9	4.2	5.5	6.9	5.2	5.7
PICK EX2	5.6	5.7	5.8	6.4	5.3	4.1	6.1	6.6	5.7	5.7
APR 1235	6.1	4.9	6.3	6.3	5.3	3.9	5.8	6.7	5.8	5.7
LINE DRIVE	5.6	5.1	5.7	6.3	5.2	4.6	5.6	7.3	5.6	5.7
SKYHAWK	6.0	4.6	5.6	6.7	5.1	5.0	5.2	7.1	5.6	5.6
PROWLER (APR 777)	6.0	5.0	6.6	6.4	5.6	4.0	5.3	6.3	5.5	5.6
BY-100	6.0	5.2	5.8	6.4	5.6	3.8	5.9	6.8	5.2	5.6
WVPB-R-84	5.8	5.0	5.6	6.4	5.2	4.1	5.9	6.3	6.2	5.6
RACER	5.5	5.3	7.4	6.4	5.1	4.1	5.3	6.8	4.4	5.6
PASSPORT	5.9	5.0	5.6	6.5	5.6	4.3	4.5	7.1	5.7	5.6
HEADSTART	5.7	4.7	6.1	6.4	5.1	4.2	5.4	7.1	5.4	5.6
SRX 4120	6.1	5.3	5.6	6.4	5.1	4.2	5.5	6.8	4.9	5.5
LPR 98-143	5.4	5.7	5.3	6.6	5.3	4.0	4.9	6.6	5.8	5.5
DP LP-1	5.8	5.0	5.6	6.2	5.5	3.9	5.9	6.7	5.2	5.5
WVPB-R-82	5.2	5.2	5.2	6.2	5.1	3.4	6.0	6.6	5.9	5.4
DP 17-9391	5.7	5.2	5.1	6.2	5.2	4.0	5.6	6.3	5.3	5.4
EDGE	5.5	5.1	6.0	5.9	5.3	3.9	5.4	6.3	5.2	5.4
APR 1234	5.5	4.7	6.0	5.9	5.0	3.4	5.8	6.6	5.2	5.3
DP 17-9069	6.0	4.7	5.3	6.2	5.0	3.7	5.1	6.5	5.6	5.3
YATSUGREEN	5.9	5.0	5.4	5.9	5.5	3.1	5.7	5.7	5.5	5.3
BUCCANEER	5.5	4.6	5.0	5.9	5.0	3.8	6.2	6.7	4.9	5.3
DP 17-9496	5.1	4.0	4.6	4.6	4.8	1.9	5.1	4.8	4.5	4.4
LINN	4.6	3.2	3.7	3.7	4.4	1.4	4.5	4.1	2.8	3.6
LSD VALUE	0.6	0.8	1.4	0.5	0.7	0.7	1.2	0.8	0.9	0.3
C.V. (%)	6.1	9.5	13.4	4.6	8.0	9.0	13.2	6.6	9.5	9.3

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

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

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

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 GROWN AT EIGHT LOCATIONS IN THE U.S. AND CANADA 1/  
 UNDER "SCHEDULE C (HOME LAWN)" \*  
 2000 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IA1	IL2	IN1	MO1	OH1	QE1	WA1	WI1	MEAN
PST-2BR	5.4	7.3	5.6	5.5	6.5	5.1	7.2	5.9	6.1
PIZZAZZ	5.6	6.5	6.2	4.9	7.0	5.0	7.2	6.1	6.1
EXACTA	5.7	7.0	5.9	5.5	6.0	5.1	7.1	6.0	6.0
R8000	5.2	7.3	5.9	5.3	6.5	5.0	6.9	5.9	6.0
SEVILLE II	5.2	7.0	5.4	5.6	6.3	5.2	6.9	6.0	5.9
APPLAUD (PENNINGTON-11301)	5.3	7.5	5.3	5.2	5.8	5.2	7.0	6.1	5.9
CHURCHILL	5.2	7.2	5.7	5.0	6.2	5.1	7.1	5.9	5.9
CHARISMATIC (LTP 98-501)	5.2	7.3	5.5	4.7	6.4	5.2	7.1	5.9	5.9
KOKOMO (CIS-PR-69)	5.2	7.1	5.3	5.0	6.0	5.2	7.1	6.2	5.9
FIESTA 3 <sup>2</sup>	5.3	6.8	5.7	5.4	6.0	5.2	6.9	6.0	5.9
ALL STAR <sup>2</sup> (CIS-PR-78)	5.7	6.1	6.1	5.0	6.5	5.1	6.9	5.9	5.9
PICK RC2	5.6	7.0	5.3	5.3	6.1	5.0	6.5	6.1	5.9
ABT-99-4.464	5.1	6.5	5.5	5.2	6.4	5.2	7.0	6.1	5.9
AMAZING (B1)	5.1	7.0	5.5	5.1	6.3	4.9	7.3	5.8	5.9
NJ-6401	5.1	7.1	5.2	5.4	6.2	5.1	7.1	5.9	5.9
PST-2M4	5.1	6.5	5.6	5.6	6.5	5.0	6.6	5.9	5.9
PINNACLE II (BAR 9 B2)	5.6	7.0	4.4	5.2	6.2	5.0	7.5	6.0	5.9
PST-2RT	5.3	7.4	5.2	5.4	6.3	5.1	6.3	5.9	5.8
SRX 4RHT	5.3	5.9	5.7	5.5	6.2	5.0	7.1	6.0	5.8
ROBERTS-627	5.7	6.8	4.4	4.9	6.5	5.0	7.3	6.1	5.8
PST-2LA	5.4	6.5	5.5	5.3	6.4	4.8	6.5	6.1	5.8
MANHATTAN 4 (PST-2CRL)	5.1	6.9	4.7	5.7	6.5	5.0	6.9	5.8	5.8
CIS-PR-84	5.4	6.9	4.8	5.0	6.3	5.1	7.0	6.0	5.8
JET	5.2	6.4	5.3	5.3	6.3	5.1	6.7	6.0	5.8
ABT-99-4.560	5.1	7.1	5.2	4.9	6.3	5.1	6.7	5.8	5.8
AFFIRMED	5.3	6.8	5.0	5.7	5.4	5.2	7.1	5.9	5.8
PST-2L96	5.6	7.0	5.2	5.3	5.6	5.1	6.8	5.8	5.8
PICK PR 1-94	5.2	6.9	5.9	4.7	6.0	4.8	6.9	5.8	5.8
PICK MDR	5.7	6.4	4.4	4.8	6.5	5.0	7.1	6.1	5.8
APR 1235	5.3	6.8	5.9	5.1	5.7	5.2	6.2	5.9	5.8
STELLAR (CIS-PR-72)	5.1	6.3	5.6	4.8	5.8	5.2	7.2	6.0	5.8
DLF-LDD	5.1	7.0	4.7	4.9	6.1	5.0	7.1	6.1	5.7
ABT-99-4.724	5.0	6.5	6.1	4.9	5.9	4.7	6.9	6.0	5.7
RADIANT	5.4	5.8	5.7	4.8	5.9	4.9	7.1	6.2	5.7
CHARGER II	5.2	6.8	5.8	5.3	5.8	5.0	6.5	5.7	5.7
WILMINGTON	5.3	6.8	5.4	4.7	5.5	5.2	7.1	6.0	5.7
MB 414 (ABT-99-4.903)	5.2	6.5	5.3	5.3	6.3	4.8	6.7	5.8	5.7
BARLENNIUM	5.1	6.9	5.2	5.0	6.1	5.1	6.6	5.8	5.7
GATOR 3 (CIS-PR-85)	5.3	6.7	4.7	5.2	6.4	4.8	7.0	5.7	5.7
SRX 4820	5.4	6.3	5.2	4.9	6.2	5.0	6.7	6.0	5.7
PST-2CRR	5.7	6.1	5.1	5.1	6.5	5.0	6.5	5.8	5.7
SRX 4801	5.3	7.0	4.3	5.0	5.8	4.9	7.1	6.3	5.7
APR 1237	5.4	6.6	5.1	5.4	6.1	4.8	6.4	5.8	5.7
PREMIER II	5.4	7.0	4.8	5.3	5.8	5.1	6.4	5.8	5.7
SR 4500	5.0	6.8	4.9	5.3	6.0	5.0	6.4	6.1	5.7
PACESETTER (6011)	5.1	6.5	4.8	5.1	6.4	5.1	6.4	6.0	5.7
MAJESTY	5.1	7.0	5.5	5.3	5.0	5.1	6.6	5.8	5.7
BRIGHTSTAR SLT (PST-2A6B)	5.0	6.8	4.7	5.3	6.0	5.0	6.9	5.9	5.7
PICK PRNGS	5.4	6.7	4.8	5.1	6.0	4.8	6.3	6.2	5.7



TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT EIGHT LOCATIONS IN THE U.S. AND CANADA  
 UNDER "SCHEDULE C (HOME LAWN)" \*  
 2000 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IA1	IL2	IN1	MO1	OH1	QE1	WA1	WI1	MEAN
EP53	5.2	5.9	5.6	5.1	6.0	5.1	6.4	6.0	5.7
CATALINA	5.1	5.9	5.9	5.0	6.0	5.0	6.5	5.9	5.7
ADMIRE (JR-151)	5.2	6.9	4.2	5.3	6.0	5.3	6.2	6.1	5.7
PALMER III	5.2	6.0	5.6	4.9	5.7	5.3	6.6	6.0	5.7
MB 411 (ABT-99-4.753)	5.3	5.8	5.1	4.8	6.3	5.0	6.7	6.1	5.6
MANHATTAN 3	4.9	6.6	4.7	5.4	5.6	5.2	6.7	6.0	5.6
MB 413 (ABT-99-4.633)	5.3	5.9	4.7	4.7	6.3	5.0	7.3	6.0	5.6
RACER	5.1	6.6	5.4	5.0	6.1	5.1	6.5	5.4	5.6
PARAGON	5.2	6.9	4.4	4.7	6.1	5.0	6.8	6.0	5.6
PICK PR B-97	4.8	6.6	5.6	4.9	5.5	5.0	7.1	5.7	5.6
ABT-99-4.115	4.9	6.5	4.4	5.3	6.2	4.9	6.7	6.1	5.6
BRIGHTSTAR II	5.2	6.4	4.7	5.0	5.8	4.9	7.2	5.8	5.6
ABT-99-4.834	5.1	6.4	4.3	4.9	5.9	5.3	7.3	5.9	5.6
ASCEND	5.0	6.5	5.2	5.1	5.9	5.0	6.7	5.7	5.6
MB 410 (ABT-99-4.629)	5.2	5.9	5.4	4.7	6.3	5.0	6.8	5.8	5.6
ABT-99-4.339	5.1	6.4	5.2	5.1	5.6	5.3	6.5	5.9	5.6
CABO (CIS-PR-80)	5.5	6.6	4.5	5.0	6.2	4.7	6.7	5.9	5.6
PREMIER	5.3	6.7	4.4	5.8	5.8	5.3	5.9	5.8	5.6
LINE DRIVE	5.1	6.5	4.6	5.3	5.6	5.3	6.3	6.0	5.6
GALAXY (JR-128)	5.1	6.5	4.4	5.0	5.9	5.0	6.6	6.2	5.6
PICK PR QH-97	5.4	6.6	4.1	4.7	6.0	4.9	7.1	6.0	5.6
A5C (ABT-99-4.960)	5.2	6.0	5.2	4.9	6.1	4.7	7.0	5.7	5.6
UT-1000 (ABT-99-4.709)	5.1	6.6	4.8	4.8	6.0	4.9	6.7	5.6	5.6
CATHEDRAL II	5.4	6.3	4.1	5.5	6.2	5.2	6.0	6.1	5.6
PST-2SLX	5.2	6.5	4.4	5.0	5.6	5.1	6.8	6.0	5.6
PROMISE	5.4	6.1	5.9	4.4	5.0	5.0	7.1	5.8	5.6
PENNANT II	5.3	5.8	4.8	4.7	6.1	5.0	6.8	6.0	5.6
MP103	5.3	6.0	5.1	5.0	6.0	5.0	6.4	5.8	5.6
SECRETARIAT	5.1	6.4	5.3	5.2	5.7	5.3	5.7	5.7	5.6
PLEASURE XL	5.2	6.5	5.4	4.8	5.6	4.7	6.3	5.9	5.5
CALYPSO II	5.2	7.0	4.1	5.0	6.0	5.2	6.0	5.9	5.5
PST-2SBE	5.1	6.2	4.7	5.0	6.0	4.9	6.7	5.7	5.5
MB 412 (ABT-99-4.461)	5.1	6.1	4.9	4.9	6.0	4.9	6.7	5.7	5.5
DIVINE	5.0	6.6	5.1	4.8	5.3	5.3	6.5	5.7	5.5
ELFKIN	5.2	5.6	4.7	5.4	5.8	5.1	6.5	6.0	5.5
NEXUS	5.2	6.3	4.2	4.6	6.4	4.8	6.9	5.9	5.5
CIS-PR-75	5.3	6.5	4.3	4.2	6.3	4.8	7.0	5.8	5.5
PHANTOM	5.3	5.5	4.8	5.0	6.1	5.0	6.5	5.9	5.5
PST-2JH	5.1	6.4	5.3	4.8	5.5	4.9	6.3	5.8	5.5
APR 1233	5.0	6.5	4.8	5.3	5.8	4.9	6.0	5.7	5.5
PROWLER (AER 777)	5.2	6.2	5.1	5.5	5.6	4.9	5.5	6.0	5.5
PANTHER	4.9	5.7	5.1	5.1	6.1	5.0	6.1	6.0	5.5
APR 1232	5.0	6.7	4.7	4.8	5.9	5.0	6.0	5.9	5.5
MP88	5.3	5.6	4.3	5.3	6.3	4.8	6.4	6.0	5.5
EXTREME (JR-317)	4.9	6.7	4.6	4.9	5.8	4.5	6.4	6.1	5.5
PST-CATS	4.9	6.5	4.6	4.9	5.8	4.8	6.6	5.7	5.5
LPR 98-144	4.9	6.1	4.7	4.7	5.8	5.0	6.5	6.1	5.5
SRX 4120	4.7	6.0	5.3	5.2	5.8	5.0	5.7	6.0	5.5
ALLSPORT	5.2	5.6	5.0	5.1	5.8	4.9	6.5	5.5	5.5

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) GROWN AT EIGHT LOCATIONS IN THE U.S. AND CANADA  
 UNDER "SCHEDULE C (HOME LAWN)" \*  
 2000 DATA  
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	IA1	IL2	IN1	MO1	OH1	QE1	WA1	WI1	MEAN
PARADIGM (APR 1236)	5.3	6.8	4.1	4.9	5.5	4.8	6.6	5.6	5.5
APR 776	5.1	5.6	5.3	5.2	5.9	4.9	5.9	5.7	5.4
MP107	5.7	5.6	4.2	5.0	6.1	4.8	6.3	5.9	5.4
LPR 98-143	5.4	6.0	3.8	5.0	5.8	5.0	6.5	5.9	5.4
ABT-99-4.600	4.9	5.9	4.7	5.2	5.4	5.0	6.5	5.8	5.4
PASSPORT	5.1	5.8	5.2	5.0	5.7	4.8	5.6	6.1	5.4
PROSPORT (AG-P981)	5.1	5.8	3.9	5.1	6.2	5.0	6.6	5.6	5.4
SUPERSTAR (EP57)	5.1	5.7	4.9	4.8	5.8	5.0	6.3	5.7	5.4
MONTEREY II (JR-187)	4.9	6.3	4.6	5.5	4.5	5.1	6.3	6.0	5.4
CAS-LP84	5.2	5.3	4.1	4.9	6.0	5.0	6.8	5.9	5.4
MEPY	4.9	6.0	4.3	4.9	5.9	4.8	6.4	5.8	5.4
AFFINITY	4.6	6.3	4.8	5.0	5.2	5.5	5.7	5.8	5.4
APR 1231	4.9	5.9	5.2	5.5	4.7	4.9	5.9	5.8	5.4
HEADSTART	5.3	6.1	4.2	4.9	5.4	5.0	6.1	5.9	5.4
APR 1234	5.0	6.3	4.9	5.0	5.3	5.0	5.7	5.6	5.3
SKYHAWK	5.1	5.6	4.5	4.7	6.0	4.8	6.1	5.7	5.3
PICK EX2	4.8	6.5	4.8	5.0	5.1	5.1	5.7	5.6	5.3
WVPB-R-84	4.9	6.2	4.6	5.1	4.5	5.4	5.9	5.8	5.3
WVPB-R-82	4.9	5.8	5.1	4.8	5.0	5.1	5.9	5.7	5.3
YATSUGREEN	4.9	5.9	5.5	5.0	5.1	5.2	4.7	6.0	5.3
EDGE	4.7	6.4	4.2	5.4	5.1	5.3	5.2	5.8	5.3
KOOS R-71	5.1	5.8	4.8	5.0	5.0	4.8	5.8	5.8	5.2
BY-100	4.7	6.0	4.6	5.3	5.4	5.1	5.0	6.0	5.2
EPD	5.1	5.4	3.6	4.9	5.8	4.8	6.3	5.9	5.2
DP LP-1	4.9	5.7	4.8	4.6	5.5	5.3	5.0	5.9	5.2
LTP-ME	5.4	6.0	4.6	4.3	5.4	4.6	6.0	5.4	5.2
BUCCANEER	4.9	5.9	4.6	5.0	4.6	5.0	5.5	5.3	5.1
DP 17-9391	4.4	5.9	4.4	5.1	5.0	5.0	4.8	5.9	5.1
MDP	4.9	5.3	3.7	4.4	5.8	3.9	6.5	5.6	5.0
DP 17-9069	4.7	5.5	4.2	5.0	5.0	5.1	4.9	5.8	5.0
DP 17-9496	4.6	4.5	3.8	5.2	4.4	5.2	3.2	5.1	4.5
LINN	4.5	2.6	2.9	4.4	3.4	5.3	3.0	4.1	3.8
LSD VALUE	0.6	1.1	1.3	0.8	0.7	0.4	0.6	0.4	0.3
C.V. (%)	6.8	10.6	15.9	9.4	7.9	5.6	5.9	4.7	8.8

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

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

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

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 UNDER DIFFERENT MANAGEMENT SCHEDULES 1/  
 2000 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	SCHEDULE A	SCHEDULE B	SCHEDULE C	MEAN
APPLAUD (PENNINGTON-11301)	6.5	6.7	5.9	6.4
ROBERTS-627	6.6	6.7	5.8	6.4
CHARISMATIC (LTP 98-501)	6.5	6.5	5.9	6.3
R8000	6.3	6.5	6.0	6.3
PIZZAZZ	6.1	6.5	6.1	6.2
PST-2L96	6.4	6.3	5.8	6.2
NJ-6401	6.4	6.3	5.9	6.2
DLF-LDD	6.3	6.4	5.7	6.2
SEVILLE II	6.2	6.4	5.9	6.2
SRX 4820	6.3	6.5	5.7	6.2
PST-2BR	6.1	6.4	6.1	6.2
KOKOMO (CIS-PR-69)	6.1	6.4	5.9	6.2
SRX 4801	6.1	6.6	5.7	6.1
ALL STAR <sup>2</sup> (CIS-PR-78)	6.0	6.6	5.9	6.1
AMAZING (B1)	6.1	6.5	5.9	6.1
PINNACLE II (BAR 9 B2)	6.1	6.4	5.9	6.1
EXACTA	6.1	6.3	6.0	6.1
JET	6.0	6.6	5.8	6.1
PICK MDR	6.1	6.4	5.8	6.1
CHURCHILL	6.2	6.3	5.9	6.1
SRX 4RHT	6.0	6.4	5.8	6.1
CIS-PR-84	6.0	6.5	5.8	6.1
GATOR 3 (CIS-PR-85)	6.1	6.5	5.7	6.1
STELLAR (CIS-PR-72)	6.1	6.5	5.8	6.1
PREMIER II	6.2	6.3	5.7	6.1
FIESTA 3	6.0	6.3	5.9	6.1
SR 4500	6.1	6.4	5.7	6.1
AFFIRMED	5.9	6.4	5.8	6.0
PICK RC2	6.2	6.0	5.9	6.0
ABT-99-4.115	6.1	6.4	5.6	6.0
RADIANT	6.1	6.3	5.7	6.0
ABT-99-4.724	6.1	6.2	5.7	6.0
ABT-99-4.834	6.0	6.4	5.6	6.0
NEXUS	6.3	6.1	5.5	6.0
PICK PR QH-97	6.1	6.3	5.6	6.0
ABT-99-4.560	5.9	6.3	5.8	6.0
PROMISE	6.0	6.3	5.6	6.0
MB 411 (ABT-99-4.753)	6.1	6.2	5.6	6.0
MB 410 (ABT-99-4.629)	6.2	6.1	5.6	6.0
CABO (CIS-PR-80)	6.2	6.1	5.6	6.0
BARLENNIUM	6.1	6.1	5.7	6.0
MB 413 (ABT-99-4.633)	6.1	6.2	5.6	6.0
PICK PR B-97	5.9	6.4	5.6	6.0
MB 412 (ABT-99-4.461)	6.1	6.2	5.5	6.0
PARAGON	5.9	6.3	5.6	6.0

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) UNDER DIFFERENT MANAGEMENT SCHEDULES  
2000 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	SCHEDULE A	SCHEDULE B	SCHEDULE C	MEAN
PENNANT II	6.1	6.2	5.6	6.0
MANHATTAN 4 (PST-2CRL)	5.8	6.2	5.8	6.0
CIS-PR-75	6.2	6.1	5.5	6.0
PST-2JH	6.1	6.2	5.5	6.0
ABT-99-4.464	5.9	6.1	5.9	6.0
PACESETTER (6011)	6.1	6.0	5.7	5.9
A5C (ABT-99-4.960)	6.0	6.2	5.6	5.9
MB 414 (ABT-99-4.903)	6.1	6.0	5.7	5.9
PST-2SLX	5.9	6.2	5.6	5.9
WILMINGTON	5.9	6.1	5.7	5.9
BRIGHTSTAR II	5.9	6.2	5.6	5.9
BRIGHTSTAR SLT (PST-2A6B)	5.8	6.2	5.7	5.9
ELFKIN	5.9	6.3	5.5	5.9
MAJESTY	6.0	6.0	5.7	5.9
MP88	6.0	6.2	5.5	5.9
PST-2CRR	5.8	6.1	5.7	5.9
PICK PR 1-94	6.1	5.8	5.8	5.9
PALMER III	5.9	6.0	5.7	5.9
ABT-99-4.339	5.9	6.0	5.6	5.9
PST-2M4	5.8	6.0	5.9	5.9
ADMIRE (JR-151)	5.8	6.1	5.7	5.9
PST-2RT	5.7	6.0	5.8	5.9
MP107	6.1	6.0	5.4	5.9
DIVINE	6.0	5.9	5.5	5.8
GALAXY (JR-128)	6.0	5.8	5.6	5.8
UT-1000 (ABT-99-4.709)	6.0	5.9	5.6	5.8
CHARGER II	5.9	5.9	5.7	5.8
PICK PRNGS	5.8	6.0	5.7	5.8
PST-2LA	5.6	6.1	5.8	5.8
MP103	5.9	5.9	5.6	5.8
APR 1237	5.8	5.9	5.7	5.8
CALYPSO II	5.8	6.0	5.5	5.8
ASCEND	5.8	5.9	5.6	5.8
MONTEREY II (JR-187)	5.9	6.0	5.4	5.8
SECRETARIAT	5.8	6.0	5.6	5.8
PST-CATS	5.7	6.2	5.5	5.8
PST-2SBE	5.6	6.1	5.5	5.8
CATALINA	5.8	5.9	5.7	5.8
EP53	5.8	5.9	5.7	5.8
APR 1233	5.9	5.8	5.5	5.8
MANHATTAN 3	5.9	5.8	5.6	5.8
APR 776	6.0	5.8	5.4	5.8
PANTHER	5.8	5.9	5.5	5.7
PLEASURE XL	5.7	5.9	5.5	5.7
CATHEDRAL II	5.7	5.8	5.6	5.7

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) UNDER DIFFERENT MANAGEMENT SCHEDULES  
2000 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	SCHEDULE A	SCHEDULE B	SCHEDULE C	MEAN
EPD	5.9	5.9	5.2	5.7
LINE DRIVE	5.8	5.7	5.6	5.7
RACER	5.9	5.6	5.6	5.7
LPR 98-144	5.7	5.9	5.5	5.7
APR 1232	5.8	5.7	5.5	5.7
EXTREME (JR-317)	5.8	5.8	5.5	5.7
PHANTOM	5.8	5.8	5.5	5.7
ALLSPORT	5.7	5.9	5.5	5.7
APR 1231	5.7	5.9	5.4	5.7
PREMIER	5.6	5.7	5.6	5.7
ABT-99-4.600	5.7	5.8	5.4	5.6
CAS-LP84	5.6	5.9	5.4	5.6
PARADIGM (APR 1236)	5.7	5.7	5.5	5.6
PROWLER (APR 777)	5.7	5.6	5.5	5.6
MEPY	5.6	5.8	5.4	5.6
SUPERSTAR (EP57)	5.5	5.9	5.4	5.6
PROSPORT (AG-P981)	5.6	5.8	5.4	5.6
SKYHAWK	5.8	5.6	5.3	5.6
PICK EX2	5.7	5.7	5.3	5.6
APR 1235	5.4	5.7	5.8	5.6
HEADSTART	5.8	5.6	5.4	5.6
SRX 4120	5.7	5.5	5.5	5.6
PASSPORT	5.7	5.6	5.4	5.6
MDP	5.7	5.9	5.0	5.6
LPR 98-143	5.7	5.5	5.4	5.6
AFFINITY	5.4	5.8	5.4	5.5
KOOS R-71	5.4	5.8	5.2	5.5
BY-100	5.4	5.6	5.2	5.4
WVPB-R-82	5.5	5.4	5.3	5.4
WVPB-R-84	5.3	5.6	5.3	5.4
LTP-ME	5.1	5.8	5.2	5.4
EDGE	5.4	5.4	5.3	5.4
DP LP-1	5.3	5.5	5.2	5.3
DP 17-9391	5.4	5.4	5.1	5.3
APR 1234	5.2	5.3	5.3	5.3
BUCCANEER	5.1	5.3	5.1	5.2
YATSUGREEN	4.9	5.3	5.3	5.2
DP 17-9069	4.9	5.3	5.0	5.1
DP 17-9496	4.4	4.4	4.5	4.4
LINN	3.9	3.6	3.8	3.8
LSD VALUE	0.4	0.3	0.3	0.2
C.V. (%)	13.5	9.3	8.8	11.2

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

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

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT THREE LOCATIONS 1/  
2000 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MO3	NY2	WA4	MEAN
ROBERTS-627	5.0	5.7	5.9	5.5
PIZZAZZ	5.4	5.6	5.3	5.4
NJ-6401	5.3	5.7	5.3	5.4
APPLAUD (PENNINGTON-11301)	5.1	5.7	5.3	5.3
PST-2BR	5.6	5.0	5.3	5.3
PICK RC2	5.3	5.7	4.9	5.3
CHARISMATIC (LTP 98-501)	5.3	5.3	5.2	5.3
PINNACLE II (BAR 9 B2)	4.9	5.3	5.4	5.2
SEVILLE II	5.1	4.9	5.5	5.2
PST-2L96	4.8	5.9	4.9	5.2
KOKOMO (CIS-PR-69)	5.0	5.3	5.0	5.1
DLF-LDD	4.8	5.4	5.0	5.1
ALL STAR <sup>2</sup> (CIS-PR-78)	4.8	5.6	4.9	5.1
PICK MDR	4.5	5.3	5.5	5.1
PROMISE	4.9	5.4	4.9	5.1
EXACTA	4.9	4.9	5.3	5.1
BRIGHTSTAR SLT (PST-2A6B)	4.8	5.3	5.1	5.0
PENNANT II	4.8	5.3	5.0	5.0
PARAGON	4.8	5.0	5.2	5.0
CHURCHILL	5.2	4.8	4.9	5.0
AMAZING (B1)	5.0	4.8	5.1	5.0
FIESTA 3	5.2	4.7	5.0	5.0
RADIANT	4.8	4.9	5.1	5.0
SRX 4820	4.3	5.2	5.4	5.0
CIS-PR-75	5.0	4.9	4.9	4.9
PST-2JH	4.5	5.4	4.8	4.9
DIVINE	4.8	5.3	4.6	4.9
PST-2SLX	5.0	4.7	5.1	4.9
MB 413 (ABT-99-4.633)	4.3	5.7	4.8	4.9
CHARGER II	5.0	4.9	4.8	4.9
ABT-99-4.560	5.0	4.7	4.9	4.9
GATOR 3 (CIS-PR-85)	4.7	4.5	5.4	4.9
MB 412 (ABT-99-4.461)	4.7	5.0	4.9	4.9
NEXUS	4.6	5.3	4.7	4.9
PACESETTER (6011)	4.3	5.3	5.0	4.9
PREMIER II	4.5	5.1	5.0	4.9
CIS-PR-84	4.8	4.3	5.4	4.9
CATHEDRAL II	5.0	4.6	4.9	4.8
ABT-99-4.724	4.2	5.8	4.6	4.8
SR 4500	5.0	4.8	4.7	4.8
MB 414 (ABT-99-4.903)	4.5	4.8	5.2	4.8
R8000	4.5	5.0	4.9	4.8
BRIGHTSTAR II	4.5	4.8	5.1	4.8
AFFIRMED	4.8	4.7	4.9	4.8
JET	4.8	4.3	5.3	4.8

TABLE 8.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
GROWN UNDER TRAFFIC STRESS AT THREE LOCATIONS  
2000 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MO3	NY2	WA4	MEAN
PALMER III	4.2	5.0	5.2	4.8
PICK PR 1-94	5.0	5.1	4.3	4.8
RACER	4.9	4.7	4.8	4.8
STELLAR (CIS-PR-72)	4.6	4.9	4.8	4.8
SECRETARIAT	4.6	4.8	4.8	4.8
CALYPSO II	4.4	5.0	4.9	4.8
PICK EX2	4.8	4.9	4.6	4.8
SRX 4RHT	4.5	4.4	5.4	4.8
CABO (CIS-PR-80)	4.8	4.8	4.7	4.8
GALAXY (JR-128)	4.6	4.8	4.9	4.7
ASCEND	5.1	4.7	4.4	4.7
MB 410 (ABT-99-4.629)	4.4	5.0	4.8	4.7
SKYHAWK	4.3	5.4	4.5	4.7
ABT-99-4.115	4.6	4.8	4.7	4.7
MANHATTAN 4 (EST-2CRL)	5.1	3.9	5.1	4.7
PST-2CRR	4.3	5.3	4.7	4.7
ABT-99-4.834	4.5	4.6	5.1	4.7
MB 411 (ABT-99-4.753)	4.7	4.4	5.0	4.7
APR 1233	4.3	5.3	4.4	4.7
A5C (ABT-99-4.960)	4.2	5.0	4.8	4.7
MONTEREY II (JR-187)	4.2	4.8	5.1	4.7
PROWLER (APR 777)	4.5	4.6	4.9	4.7
APR 1231	4.5	4.7	4.8	4.7
APR 1232	4.3	5.3	4.5	4.7
PST-2RT	4.7	4.8	4.5	4.7
PICK PR QH-97	4.0	5.0	4.9	4.6
SRX 4801	4.3	4.8	4.8	4.6
ELFKIN	4.4	4.4	5.1	4.6
PANTHER	3.9	5.3	4.8	4.6
MAJESTY	4.6	4.5	4.7	4.6
PST-2M4	4.6	4.5	4.7	4.6
MP107	4.4	5.0	4.4	4.6
BARLENNIUM	4.3	4.5	4.9	4.6
PREMIER	4.1	5.2	4.5	4.6
APR 1234	4.4	4.5	4.8	4.6
ABT-99-4.600	4.1	4.9	4.7	4.6
ADMIRE (JR-151)	4.3	4.3	5.0	4.6
LINE DRIVE	4.5	4.4	4.8	4.6
UT-1000 (ABT-99-4.709)	4.3	5.0	4.4	4.6
ALLSPORT	4.0	5.0	4.6	4.5
ABT-99-4.339	4.1	5.1	4.4	4.5
SUPERSTAR (EP57)	4.3	4.9	4.3	4.5
HEADSTART	4.5	4.5	4.5	4.5
APR 1237	4.8	4.3	4.5	4.5
PHANTOM	4.0	4.8	4.7	4.5
WILMINGTON	4.3	4.3	4.9	4.5

TABLE 8. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) GROWN UNDER TRAFFIC STRESS AT THREE LOCATIONS  
2000 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	MO3	NY2	WA4	MEAN
PICK PRNGS	4.5	4.3	4.8	4.5
APR 1235	4.9	3.8	4.7	4.5
PICK PR B-97	4.2	4.5	4.7	4.5
AFFINITY	4.6	4.4	4.4	4.5
APR 776	4.1	4.7	4.6	4.5
DP LP-1	3.6	4.9	4.8	4.5
EXTREME (JR-317)	4.5	4.1	4.8	4.5
PST-2LA	4.5	3.8	5.0	4.5
PST-CATS	4.9	4.0	4.5	4.5
MEPY	4.4	4.6	4.4	4.5
PLEASURE XL	4.9	3.8	4.6	4.4
MANHATTAN 3	4.4	4.4	4.5	4.4
LPR 98-144	4.5	4.1	4.8	4.4
EPD	3.9	5.1	4.3	4.4
MP88	4.3	4.7	4.3	4.4
DP 17-9391	4.0	5.2	4.1	4.4
EDGE	4.1	4.5	4.6	4.4
KOOS R-71	4.4	4.3	4.6	4.4
EP53	4.3	4.7	4.3	4.4
PST-2SBE	4.2	4.1	4.9	4.4
CATALINA	4.3	4.3	4.5	4.4
LPR 98-143	4.5	4.4	4.3	4.4
ABT-99-4.464	4.3	4.2	4.6	4.4
PROSPORT (AG-P981)	4.3	4.3	4.6	4.4
WVPB-R-82	4.0	4.8	4.3	4.4
SRX 4120	4.2	4.3	4.5	4.3
MDP	4.1	4.8	4.1	4.3
BY-100	4.5	3.9	4.6	4.3
WVPB-R-84	4.0	4.6	4.4	4.3
MP103	3.9	4.5	4.5	4.3
PASSPORT	4.6	4.1	4.3	4.3
BUCCANEER	4.2	4.0	4.7	4.3
YATSUGREEN	4.2	3.7	4.9	4.3
PARADIGM (APR 1236)	4.4	4.3	4.1	4.2
CAS-LP84	4.0	4.1	4.4	4.2
LTP-ME	3.3	5.3	3.9	4.2
DP 17-9496	3.5	4.4	4.2	4.1
DP 17-9069	3.8	3.8	4.6	4.0
LINN	3.0	4.7	3.7	3.8
LSD VALUE	0.7	1.4	0.7	0.5
C.V. (%)	9.6	17.7	13.8	14.2

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

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









TABLE 10.

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
 2000 DATA

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

NAME	IA1	IL1	IN1	MD1	MI1	MN1	MO1	NE1	NJ1	NS1	QE1	RI1	VA1	WI1	MEAN
PROMISE	7.7	8.0	8.3	6.7	8.7	6.3	6.3	7.3	5.3	5.3	4.0	5.0	6.7	6.7	6.6
PIZZAZZ	8.0	7.3	7.3	6.0	8.7	6.7	7.3	8.0	4.7	3.7	4.0	4.7	7.3	6.3	6.4
SRX 4RHT	7.0	8.0	8.0	7.0	9.0	6.7	7.0	7.7	4.0	4.3	4.3	2.7	7.0	6.7	6.4
PALMER III	7.3	8.0	8.0	6.7	8.0	6.0	6.7	6.3	5.3	4.3	4.3	4.0	6.7	6.7	6.3
SEVILLE II	6.3	7.7	7.0	7.0	8.3	5.0	7.0	8.0	4.7	5.3	4.3	4.7	6.7	6.3	6.3
STELLAR (CIS-PR-72)	7.3	6.7	7.7	6.7	8.0	6.3	7.3	4.7	6.0	6.3	4.3	2.3	7.0	7.0	6.3
CHARISMATIC (LTP 98-501)	7.7	8.0	6.7	6.7	8.7	6.0	6.3	7.0	3.3	5.3	4.0	4.3	7.0	6.3	6.2
GATOR 3 (CIS-PR-85)	7.0	7.3	6.7	6.7	8.7	6.0	7.0	7.0	4.0	5.3	4.0	4.3	7.0	6.3	6.2
FIESTA 3	7.0	7.7	7.3	5.7	8.0	6.0	6.7	7.7	5.0	4.7	4.7	4.7	5.7	6.3	6.2
ABT-99-4.834	6.7	8.0	7.0	6.3	8.0	6.3	6.3	7.0	4.3	4.7	4.0	4.3	7.0	7.0	6.2
AMAZING (B1)	7.3	7.3	6.7	6.3	8.3	6.7	7.0	6.7	4.0	5.0	4.0	4.0	7.0	6.7	6.2
AFFINITY	6.0	7.7	7.3	6.3	7.7	5.7	6.3	7.3	6.7	4.7	4.7	5.7	4.3	6.3	6.2
BUCCANEER	6.3	7.7	7.7	6.3	7.7	6.7	5.7	8.0	8.3	4.0	4.7	2.7	4.7	6.3	6.2
JET	7.7	7.0	7.7	6.0	8.3	6.3	6.0	7.3	4.7	4.0	4.0	4.0	7.0	6.7	6.2
R8000	7.3	7.3	7.0	7.3	8.3	6.3	6.7	7.3	4.7	4.0	4.0	3.3	6.7	6.3	6.2
ALL STAR <sup>2</sup> (CIS-PR-78)	7.0	8.0	7.3	5.7	8.0	6.7	7.0	5.0	4.0	6.0	4.0	4.3	7.3	6.3	6.2
PARAGON	6.7	7.0	7.7	6.3	8.0	6.0	6.3	8.0	4.3	5.0	4.7	3.7	6.7	6.0	6.2
APPLAUD (PENNINGTON-11301)	7.0	7.0	7.0	6.7	8.0	6.0	7.3	7.3	4.0	4.7	4.0	4.0	7.0	6.3	6.2
BARLENNIUM	6.7	8.0	7.3	6.0	8.0	6.3	6.3	7.7	4.3	5.0	4.3	3.7	6.7	6.0	6.2
EXACTA	7.7	7.3	6.7	7.7	8.0	6.0	6.7	6.0	5.0	4.3	4.0	3.7	6.7	6.7	6.2
PICK MDR	8.0	7.7	7.0	6.3	8.7	6.0	6.7	7.7	4.0	4.3	4.3	2.7	6.7	6.3	6.2
SRX 4820	7.7	7.3	7.3	7.3	8.3	6.3	6.7	5.7	4.7	5.0	4.0	3.3	6.3	6.3	6.2
ABT-99-4.724	7.0	7.0	7.3	7.0	8.3	5.3	7.0	6.7	3.3	5.7	4.0	3.3	7.3	6.7	6.1
A5C (ABT-99-4.960)	6.7	7.3	7.0	5.7	8.3	6.0	7.0	6.3	3.3	5.3	4.0	4.0	7.7	7.3	6.1
PICK RC2	8.0	7.3	8.0	6.0	8.0	5.7	6.3	7.3	4.0	4.0	4.3	4.0	6.0	7.0	6.1
SRX 4801	7.3	6.7	7.0	7.3	8.3	5.3	7.0	6.7	4.0	5.0	4.0	3.7	7.3	6.3	6.1
DLF-IDD	6.7	6.7	7.0	7.0	8.7	6.0	7.0	6.3	4.0	4.7	4.0	4.7	7.0	6.0	6.1
ROBERTS-627	7.0	8.0	6.3	6.7	9.0	5.7	6.7	6.3	3.7	4.0	4.0	4.0	7.7	6.7	6.1
SECRETARIAT	6.0	8.0	7.3	6.3	7.7	6.7	6.0	8.0	6.3	4.3	4.7	3.0	5.7	5.7	6.1
PREMIER II	6.7	8.0	7.3	6.0	8.0	6.7	6.7	6.7	5.7	4.7	4.0	3.3	6.0	6.0	6.1
ABT-99-4.600	6.3	8.0	7.3	6.0	7.7	6.7	7.0	6.7	5.7	4.0	4.0	4.3	6.0	6.0	6.1
PACESETTER (6011)	7.0	7.7	6.7	6.3	8.3	6.0	7.0	7.0	5.0	3.7	4.0	3.7	7.0	6.0	6.1
YATSUGREEN	6.3	8.0	8.7	5.0	7.3	6.7	5.7	7.3	9.0	4.3	4.7	2.7	4.0	5.7	6.1
KOKOMD (CIS-PR-69)	6.7	7.3	7.0	7.0	8.0	6.0	6.7	6.3	4.7	5.0	4.0	3.7	6.7	6.3	6.1
CIS-PR-84	7.7	7.0	7.3	6.0	8.7	6.0	6.7	6.0	4.0	4.3	4.3	3.3	7.3	6.7	6.1
PINNACLE II (BAR 9 B2)	7.7	8.0	6.3	6.3	8.7	5.7	6.3	6.7	4.3	4.3	4.3	3.3	7.0	6.3	6.1
EP53	7.0	7.7	7.7	6.0	8.0	5.0	6.3	7.3	4.3	4.7	4.0	5.3	6.0	5.7	6.1
ELFKIN	7.3	8.0	6.3	5.7	8.0	5.3	7.0	8.0	4.3	4.7	4.0	4.3	5.7	6.3	6.1
SR 4500	7.0	7.0	7.0	6.7	8.0	6.0	6.7	7.3	4.3	4.3	4.3	4.3	6.0	6.0	6.1
KOOS R-71	6.3	7.7	7.3	6.7	8.0	5.3	6.0	6.7	5.7	5.0	4.3	4.7	5.3	6.0	6.1
CHURCHILL	6.3	7.3	7.0	6.0	8.3	6.7	7.3	6.3	4.0	4.3	4.7	3.3	6.7	6.3	6.0
LTP-ME	7.3	7.7	5.7	6.7	8.3	5.3	6.7	5.7	3.0	5.3	4.0	3.3	7.7	8.0	6.0
PENNANT II	7.3	7.3	7.0	5.7	8.3	5.3	6.3	7.3	4.3	4.3	4.0	4.0	7.0	6.3	6.0
AFFIRMED	6.0	7.7	6.7	6.3	8.0	6.0	7.0	6.7	5.0	4.7	4.0	3.7	6.7	6.0	6.0

TABLE 10. (CONT'D)

SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
2000 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN														
	IA1	IL1	IN1	MD1	MI1	MN1	MO1	NE1	NJ1	NS1	QE1	RI1	VA1	WI1	MEAN
BY-100	5.7	7.7	7.7	6.0	7.3	6.3	5.3	8.0	7.0	4.3	4.7	3.3	4.7	6.3	6.0
EDGE	5.7	8.0	7.3	6.0	7.3	5.3	6.7	7.3	7.3	4.3	4.7	3.3	5.0	6.0	6.0
PICK PR QH-97	7.7	7.3	6.7	6.7	8.3	5.7	6.3	6.3	3.7	4.7	4.0	3.7	7.0	6.3	6.0
SUPERSTAR (EP57)	6.7	7.0	7.0	6.3	8.0	5.7	6.7	8.0	4.0	5.7	4.0	3.0	6.0	6.3	6.0
ADMIRE (JR-151)	6.0	8.0	7.0	5.3	7.7	5.7	6.7	7.0	5.3	4.7	4.7	4.3	5.7	6.0	6.0
CALYPSO II	6.3	7.7	7.0	6.7	7.7	5.7	5.7	5.7	6.3	5.7	4.0	3.7	5.3	6.7	6.0
MAJESTY	6.7	7.3	7.0	6.3	7.7	5.3	7.0	7.0	5.0	4.3	4.0	4.0	6.0	6.3	6.0
MB 412 (ABT-99-4.461)	7.0	7.7	6.0	6.0	8.3	5.3	7.0	6.7	3.7	3.3	4.0	5.3	7.7	6.0	6.0
SRX 4120	6.3	8.0	7.3	6.7	8.0	6.0	6.7	6.3	5.7	3.3	4.0	3.7	5.0	7.0	6.0
WILMINGTON	7.0	6.3	7.3	7.3	8.7	5.7	7.0	6.3	3.7	3.3	4.0	4.0	7.7	5.7	6.0
PROSPORT (AG-P981)	7.3	7.0	6.7	7.0	8.0	5.3	6.7	6.7	5.0	3.7	4.0	3.7	6.7	6.0	6.0
DP 17-9391	5.7	8.0	8.0	6.7	7.3	6.3	5.3	5.7	8.0	4.0	4.3	3.0	4.3	7.0	6.0
NJ-6401	7.0	7.0	7.0	7.7	8.3	6.3	7.0	6.7	4.3	3.7	4.0	2.3	6.0	6.3	6.0
PST-2RT	7.0	7.7	7.0	5.7	8.0	5.3	6.7	8.7	5.3	3.7	4.0	3.0	5.7	5.7	6.0
CHARGER II	6.0	8.0	8.3	6.0	7.7	6.0	6.0	7.0	5.7	3.7	4.7	3.0	5.3	6.0	6.0
PICK EX2	6.3	7.7	7.3	6.0	8.0	5.7	6.0	6.7	5.3	5.0	4.3	3.7	5.3	6.0	6.0
PST-2L96	7.3	7.0	6.7	6.3	9.0	5.7	6.7	6.3	3.3	4.3	4.0	3.7	7.0	6.0	6.0
RADIANT	7.7	6.7	6.7	4.7	8.7	5.0	7.0	8.0	3.7	4.0	4.0	4.0	7.3	6.0	6.0
ABT-99-4.464	7.3	7.3	7.3	5.3	8.0	5.7	6.7	5.3	4.7	5.0	4.3	3.7	6.3	6.3	6.0
MANHATTAN 3	6.3	6.7	7.0	6.7	8.0	6.0	6.0	7.0	4.7	3.7	3.7	4.0	6.7	6.7	5.9
WVPB-R-82	6.0	7.3	7.3	6.3	8.0	6.0	6.0	7.0	5.3	4.3	4.3	4.7	4.7	5.7	5.9
DIVINE	7.0	7.0	7.3	5.7	8.0	5.3	6.3	7.0	5.0	3.7	4.0	4.0	6.3	6.3	5.9
MB 413 (ABT-99-4.633)	7.7	6.7	6.7	6.0	8.0	5.7	6.3	7.0	4.7	3.7	4.0	3.7	7.0	6.0	5.9
PST-2M4	7.0	6.0	7.0	6.3	8.0	6.0	7.0	6.7	5.0	4.0	4.0	3.3	6.0	6.7	5.9
CABO (CIS-PR-80)	7.3	7.3	6.3	6.0	8.3	5.3	7.0	5.7	4.3	4.3	4.0	3.7	7.3	5.7	5.9
PST-2CRR	7.0	6.3	6.3	6.7	8.3	6.3	6.3	6.3	4.3	4.0	4.0	4.0	6.7	6.0	5.9
PANTHER	6.3	7.7	7.3	6.0	8.3	6.3	6.0	7.0	5.3	3.7	4.0	2.3	6.3	6.0	5.9
PICK PRNGS	7.0	7.0	7.0	5.3	8.0	5.7	6.7	7.3	4.3	3.7	4.0	3.0	6.7	6.7	5.9
GALAXY (JR-128)	7.0	7.3	6.3	7.0	8.0	5.7	5.7	6.0	5.0	4.0	4.0	4.0	6.0	6.3	5.9
UT-1000 (ABT-99-4.709)	7.7	7.3	7.0	5.7	8.3	5.7	6.7	7.0	3.3	3.3	4.0	3.0	7.0	6.3	5.9
ASCEND	6.3	8.0	6.7	6.7	8.0	5.0	6.7	8.0	4.0	4.0	4.0	3.7	5.7	5.3	5.9
PREMIER	6.3	7.3	7.3	6.0	8.0	6.0	7.0	7.0	6.0	3.7	4.0	2.7	5.3	5.3	5.9
MANHATTAN 4 (PST-2CRL)	7.3	7.0	6.7	5.3	8.3	6.3	6.7	6.3	4.0	4.0	4.0	3.0	7.0	6.0	5.9
APR 776	6.7	7.3	7.3	5.3	8.0	5.7	6.7	8.0	4.3	4.0	4.0	2.3	6.0	6.3	5.9
MONTEREY II (JR-187)	7.0	7.0	7.3	6.3	8.0	4.7	7.0	7.7	4.0	3.7	4.0	3.3	6.0	6.0	5.9
CIS-PR-75	7.0	7.7	6.0	6.3	8.3	5.3	6.3	6.0	3.3	4.3	4.0	4.0	7.0	6.0	5.8
BRIGHTSTAR SLT (PST-2A6B)	7.0	7.0	6.3	5.7	8.3	6.3	6.7	8.0	3.0	3.3	4.0	3.3	6.7	6.0	5.8
APR 1234	6.7	7.3	7.0	6.0	7.3	6.0	6.7	7.3	5.3	3.3	4.0	3.3	5.0	6.3	5.8
EPD	6.0	7.3	5.7	6.7	8.3	5.0	6.7	8.3	3.0	3.7	4.0	4.0	7.0	6.0	5.8
LINE DRIVE	6.7	7.7	7.3	6.3	7.7	5.3	6.7	7.0	5.0	3.0	4.0	3.0	6.3	5.7	5.8
MB 414 (ABT-99-4.903)	7.7	7.3	6.3	6.0	8.0	4.7	6.7	7.3	4.3	3.0	4.0	3.3	7.0	6.0	5.8
NEXUS	8.0	7.3	5.7	6.0	8.7	5.3	6.3	5.7	4.0	3.0	4.0	4.3	7.3	6.0	5.8
PST-2BR	7.7	7.0	7.0	6.3	8.3	6.0	6.7	4.7	4.0	4.0	4.3	3.0	7.3	5.3	5.8
DP LP-1	6.7	8.0	7.3	6.0	8.3	5.3	5.3	6.3	5.7	4.7	4.0	3.7	4.7	5.3	5.8
MEPY	7.0	7.3	6.7	5.3	8.0	4.7	7.0	6.0	3.3	5.0	4.0	3.7	7.3	6.0	5.8

TABLE 10. (CONT'D)

 SPRING GREENUP RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 2000 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN														MEAN
	IA1	IL1	IN1	MD1	MI1	MN1	MO1	NE1	NJ1	NS1	QE1	RI1	VA1	WI1	
HEADSTART	7.3	6.7	6.7	6.0	8.0	5.3	6.3	7.0	4.3	3.3	4.0	4.0	6.0	6.0	5.8
PROWLER (APR 777)	6.3	7.0	7.3	6.0	7.3	5.7	6.3	7.7	5.3	3.3	4.0	3.3	5.7	5.7	5.8
WVPB-R-84	6.0	8.0	7.0	5.3	7.7	5.3	6.7	6.0	5.7	4.3	4.0	3.7	5.0	6.3	5.8
PST-2JH	6.3	7.7	6.7	6.3	8.0	5.7	6.0	6.7	4.7	3.7	4.3	3.7	6.0	5.3	5.8
APR 1235	6.7	7.7	7.3	5.7	7.7	5.0	6.3	6.0	4.3	3.7	4.0	4.0	6.0	6.3	5.8
MB 411 (ABT-99-4.753)	7.0	6.3	6.3	5.3	8.7	5.0	6.0	8.7	4.0	3.0	4.0	3.7	6.7	6.0	5.8
RACER	6.7	8.0	7.0	5.0	8.0	4.7	6.3	7.7	4.0	4.7	4.0	3.3	5.7	5.7	5.8
PLEASURE XL	6.7	7.3	7.0	4.7	8.0	4.7	6.7	7.7	3.7	3.7	4.0	4.3	6.3	6.0	5.8
LPR 98-143	7.7	7.7	6.7	4.7	7.3	5.3	6.3	7.7	4.7	2.3	4.0	4.0	6.0	6.0	5.7
LPR 98-144	5.3	7.7	7.3	6.0	8.0	5.3	7.0	6.3	5.3	4.0	4.0	1.7	6.3	6.0	5.7
PST-2SBE	6.3	7.3	5.7	5.7	8.7	5.3	6.3	6.3	3.7	4.0	4.0	4.3	6.7	6.0	5.7
LINN	5.0	8.0	7.7	4.3	7.0	6.7	5.7	8.0	9.0	3.3	4.3	2.3	3.0	6.0	5.7
CAS-IP84	7.3	6.7	6.0	6.3	8.7	4.7	6.3	7.3	3.0	3.7	4.0	3.7	6.7	5.7	5.7
ABT-99-4.115	6.7	7.3	6.3	5.3	8.3	6.0	6.7	5.7	4.7	4.0	4.0	2.0	6.3	6.7	5.7
ABT-99-4.339	6.0	8.0	7.3	5.3	8.0	5.7	6.0	5.3	4.3	4.0	4.0	3.7	6.0	6.3	5.7
APR 1231	6.7	6.3	6.3	6.3	8.0	5.3	6.0	6.3	4.0	4.7	4.3	3.7	6.3	5.7	5.7
DP 17-9496	5.0	8.0	8.0	4.7	7.0	6.7	5.0	5.7	9.0	4.3	4.0	3.0	3.3	6.3	5.7
EXTREME (JR-317)	6.7	7.7	7.3	6.3	7.7	5.0	6.3	7.0	3.3	3.3	4.0	3.3	6.3	5.7	5.7
PICK PR 1-94	7.3	6.7	7.7	6.3	8.7	5.0	6.3	7.0	3.0	3.7	4.0	1.7	7.0	5.7	5.7
ABT-99-4.560	6.7	7.7	6.7	6.0	8.0	5.0	6.7	6.0	3.7	4.3	4.0	2.3	6.3	6.7	5.7
PARADIGM (APR 1236)	7.7	7.3	6.3	6.3	8.0	5.0	6.3	4.7	4.0	5.0	4.0	2.3	6.3	6.7	5.7
ALLSPORT	6.7	7.0	7.0	5.3	8.3	6.0	6.7	5.7	4.0	3.7	4.0	3.0	6.3	6.0	5.7
MP107	8.0	7.3	6.7	5.0	8.0	4.7	6.3	6.0	3.7	5.0	4.0	2.3	7.0	5.7	5.7
CATALINA	6.7	6.7	7.0	6.0	8.0	5.0	6.3	7.0	4.0	4.3	4.0	2.7	5.7	6.0	5.7
MB 410 (ABT-99-4.629)	7.3	8.0	6.3	5.3	8.0	5.3	5.7	7.3	4.3	2.7	4.0	3.0	6.3	5.7	5.7
MP88	7.0	5.7	6.7	5.0	8.3	5.0	6.7	6.3	3.0	6.0	4.0	3.7	6.3	5.7	5.7
CATHEDRAL II	6.7	6.7	6.3	5.0	8.0	5.3	6.7	8.3	4.0	3.3	4.0	3.7	5.7	5.3	5.6
APR 1232	7.0	7.0	6.7	4.3	7.3	5.0	6.3	6.7	4.0	4.3	4.0	4.3	6.3	5.7	5.6
PST-2SLX	7.0	7.0	5.7	7.3	8.7	5.0	6.3	5.3	3.0	3.7	4.0	3.0	7.3	5.7	5.6
BRIGHTSTAR II	6.7	6.7	6.7	5.3	8.7	5.0	6.0	7.3	3.7	3.0	4.0	3.7	7.0	5.0	5.6
MDP	6.7	6.3	5.7	5.0	8.7	4.7	6.3	8.0	2.7	4.3	4.0	3.3	7.3	5.7	5.6
APR 1233	6.3	7.3	6.3	6.7	7.3	4.7	7.0	6.7	3.7	3.7	4.0	3.7	6.0	5.3	5.6
PASSPORT	6.3	7.0	7.7	5.3	8.0	5.3	6.7	6.7	4.7	3.3	4.3	1.7	5.7	5.7	5.6
DP 17-9069	5.7	7.3	7.0	6.0	7.0	5.0	5.7	6.0	5.7	3.0	4.7	4.0	5.0	6.3	5.6
PHANTOM	7.0	7.7	6.3	5.7	8.0	4.7	6.0	6.7	4.3	2.7	4.0	3.3	6.3	5.7	5.6
PICK PR B-97	6.3	7.0	6.3	5.3	8.3	5.0	6.7	7.3	3.0	3.7	4.0	2.7	7.0	5.7	5.6
SKYHAWK	6.3	7.0	7.3	5.0	8.3	4.3	6.7	7.0	2.7	4.0	4.0	3.7	6.3	5.7	5.6
APR 1237	6.7	5.7	6.7	5.3	8.7	4.7	6.7	5.7	3.7	4.7	4.0	2.7	6.7	6.0	5.5
PST-CATS	7.0	7.3	6.0	5.7	8.7	5.0	6.7	4.3	3.7	4.0	4.0	3.0	6.3	6.0	5.5
PST-ZLA	6.7	6.3	6.0	5.7	8.3	5.7	6.0	6.3	3.3	3.3	4.0	3.0	6.7	6.0	5.5
MP103	7.3	6.3	6.3	5.0	8.0	4.3	6.7	5.7	2.7	4.7	4.0	3.3	7.0	6.0	5.5
LSD VALUE	1.3	1.3	1.0	1.9	0.7	1.2	0.9	1.9	1.1	1.6	0.5	1.6	0.9	1.0	0.3
C.V. (%)	12.1	11.1	9.2	19.5	5.4	13.2	8.9	17.5	15.7	23.3	7.4	27.8	8.7	10.3	13.4

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

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

TABLE 11. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	CA6	IL2	MD1	MI1	MT1	NE1	NY1	NY2	MEAN
PST-2BR	8.0	8.0	6.0	7.0	7.3	8.0	4.7	4.3	6.7
PINNACLE II (BAR 9 B2)	8.0	8.3	6.7	7.0	7.0	7.7	4.3	4.0	6.6
PIZZAZZ	8.0	7.0	6.0	7.0	7.0	8.0	5.3	4.7	6.6
ROBERTS-627	8.0	8.3	7.0	7.0	7.7	7.7	3.7	3.7	6.6
CHARISMATIC (LTP 98-501)	8.0	8.3	6.3	7.0	7.3	6.7	4.7	4.3	6.6
DLF-LDD	7.7	7.7	6.0	7.0	7.3	8.0	4.3	4.0	6.5
ABT-99-4.115	8.0	8.3	6.3	6.3	6.7	8.3	4.0	4.0	6.5
AMAZING (B1)	8.0	6.7	6.3	7.0	7.3	7.7	4.7	4.3	6.5
PICK PR B-97	7.7	8.0	6.3	7.0	6.7	7.7	4.3	4.3	6.5
SKYHAWK	8.0	7.3	6.7	7.0	6.7	8.0	4.3	4.0	6.5
CIS-PR-84	7.7	8.0	6.3	7.0	6.3	8.0	4.3	4.0	6.5
EP53	8.0	9.0	6.7	6.7	6.3	6.7	4.3	4.0	6.5
JET	8.0	7.0	6.0	7.0	6.3	8.0	5.0	4.3	6.5
MB 412 (ABT-99-4.461)	7.7	7.0	6.7	7.0	6.3	8.3	4.7	4.0	6.5
PACESETTER (6011)	8.0	7.7	6.0	6.7	7.0	8.0	4.3	4.0	6.5
PST-2LA	7.7	7.7	6.7	7.0	6.3	6.7	5.3	4.3	6.5
R8000	7.3	7.0	6.3	7.0	7.3	8.0	4.3	4.3	6.5
ABT-99-4.834	7.7	7.0	6.3	7.0	6.7	7.3	5.0	4.7	6.5
MDP	7.3	8.0	6.0	7.0	7.0	7.3	4.7	4.3	6.5
MEFY	7.7	7.7	7.0	7.0	7.0	6.3	4.3	4.3	6.4
NEXUS	8.0	7.3	6.0	7.0	6.3	7.3	5.0	4.3	6.4
PICK MDR	7.7	7.7	6.7	7.0	6.3	7.3	4.7	4.0	6.4
PROSPORT (AG-P981)	7.3	8.0	7.0	7.0	6.7	7.0	4.3	4.0	6.4
RADIANT	8.0	8.0	6.3	7.0	5.7	8.0	4.3	4.0	6.4
WILMINGTON	7.7	7.7	6.0	7.0	7.3	7.0	4.7	4.0	6.4
PST-2SLX	8.0	7.3	6.7	7.0	6.7	6.7	4.7	4.3	6.4
ABT-99-4.464	8.0	7.3	6.7	7.0	6.3	7.3	4.3	4.0	6.4
CAS-LP84	7.7	7.3	6.7	7.0	6.7	7.0	4.7	4.0	6.4
PICK PR 1-94	7.7	7.7	6.0	7.0	7.0	8.0	4.0	3.7	6.4
MANHATTAN 4 (PST-2CRL)	8.0	7.0	6.0	7.0	6.3	8.0	4.7	4.0	6.4
A5C (ABT-99-4.960)	7.0	7.7	5.7	7.0	7.3	8.0	4.3	3.7	6.3
CATALINA	8.0	7.3	6.0	7.0	6.7	7.3	4.3	4.0	6.3
MB 410 (ABT-99-4.629)	8.0	7.7	5.7	7.0	6.0	7.3	4.7	4.3	6.3
MB 411 (ABT-99-4.753)	8.0	8.0	6.7	7.0	6.0	7.0	4.3	3.7	6.3
PALMER III	7.7	8.0	6.7	6.7	6.7	7.7	4.0	3.3	6.3
SR 4500	8.0	7.0	6.7	7.0	7.3	7.0	4.3	3.3	6.3
CALYPSO II	8.0	8.3	5.3	6.3	6.7	7.0	4.7	4.3	6.3
PICK RC2	7.7	8.3	6.3	7.0	7.3	6.7	4.0	3.3	6.3
PROMISE	8.0	7.7	6.7	7.0	7.3	7.3	3.3	3.0	6.3
DIVINE	7.7	7.0	6.3	7.0	6.3	8.3	4.0	3.7	6.3
EXACTA	8.0	7.3	6.0	6.7	7.0	7.7	4.3	3.3	6.3
MP103	8.3	7.7	6.0	7.0	6.3	7.0	4.3	3.7	6.3
PANTHER	8.0	6.7	6.3	6.7	6.3	8.0	4.3	4.0	6.3
SRX 4820	7.7	8.3	6.3	7.0	5.7	7.3	4.3	3.7	6.3

TABLE 11. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE

NAME	CA6	IL2	MD1	MI1	MT1	NE1	NY1	NY2	MEAN
SRX 4RHT	7.7	6.7	6.3	7.0	6.7	7.0	4.7	4.3	6.3
AFFIRMED	8.0	6.7	6.3	6.3	6.3	7.7	5.0	4.0	6.3
UT-1000 (ABT-99-4.709)	7.7	6.3	6.0	7.0	6.7	7.7	4.7	4.3	6.3
PST-2L96	7.7	6.7	6.0	7.0	6.3	7.3	4.5	4.5	6.3
EXTREME (JR-317)	7.3	7.7	7.0	7.0	6.0	7.7	4.0	3.3	6.3
PICK PR QH-97	7.7	7.3	6.7	7.0	6.0	7.7	4.0	3.7	6.3
APPLAUD (PENNINGTON-11301)	7.3	7.3	6.3	7.0	6.7	8.0	3.7	3.7	6.3
KOKOMO (CIS-PR-69)	7.7	6.3	6.0	7.0	6.0	7.7	4.7	4.7	6.3
NJ-6401	7.7	7.0	6.3	7.0	6.7	7.0	4.7	3.7	6.3
CHURCHILL	8.0	5.7	6.3	7.0	6.3	8.0	4.3	4.0	6.2
GALAXY (JR-128)	7.7	7.3	6.0	6.7	7.3	7.3	4.0	3.3	6.2
GATOR 3 (CIS-PR-85)	7.7	6.7	6.0	6.7	6.3	8.3	4.0	4.0	6.2
ABT-99-4.560	7.7	7.3	6.3	7.0	6.0	7.0	4.3	4.0	6.2
ADMIRE (JR-151)	7.3	8.0	6.3	7.0	6.3	7.0	4.0	3.7	6.2
APR 1237	7.3	6.7	6.0	7.0	6.7	7.0	4.7	4.3	6.2
EPD	7.7	7.0	6.0	7.0	6.3	6.3	4.7	4.7	6.2
PREMIER II	7.7	8.0	6.7	7.0	6.0	6.7	4.0	3.7	6.2
SRX 4801	7.7	7.3	6.3	7.0	6.7	6.7	4.0	4.0	6.2
ABT-99-4.339	7.7	6.7	6.0	6.7	6.7	7.0	4.7	4.0	6.2
ABT-99-4.600	7.7	6.7	6.0	6.7	6.7	7.0	4.7	4.0	6.2
ALL STAR <sup>2</sup> (CIS-PR-78)	8.0	5.3	6.3	7.0	6.0	8.0	4.3	4.3	6.2
CHARGER II	8.0	7.3	6.0	6.7	6.0	6.3	4.7	4.3	6.2
MB 414 (ABT-99-4.903)	7.7	6.3	6.0	7.0	6.0	8.0	4.3	4.0	6.2
PICK PRNGS	8.0	7.3	6.3	6.7	6.7	6.7	4.3	3.3	6.2
PST-2CRR	8.0	6.7	5.7	7.0	6.3	6.7	5.0	4.0	6.2
SEVILLE II	8.0	7.3	6.0	7.0	6.0	6.3	4.3	4.3	6.2
APR 1231	7.0	7.3	6.7	7.0	7.0	7.7	3.7	3.0	6.2
MP107	7.3	7.7	6.3	6.7	6.7	6.7	4.3	3.7	6.2
PENNANT II	7.3	6.3	6.3	7.0	5.7	7.7	4.7	4.3	6.2
MAJESTY	8.0	7.7	6.3	6.3	7.0	5.7	4.7	3.7	6.2
FIESTA 3	7.3	6.7	6.0	6.7	6.0	7.3	4.7	4.3	6.1
BY-100	8.0	7.0	5.7	6.0	6.3	7.0	4.7	4.3	6.1
MB 413 (ABT-99-4.633)	8.0	5.7	6.0	7.0	6.7	7.7	4.0	4.0	6.1
MP88	7.3	7.3	6.0	6.3	7.0	6.7	4.3	4.0	6.1
PARADIGM (APR 1236)	7.3	6.3	6.0	7.0	7.3	7.0	4.3	3.7	6.1
PARAGON	8.0	6.3	6.3	7.0	6.7	7.0	4.3	3.3	6.1
PST-2JH	7.3	7.7	6.0	6.3	6.7	7.0	4.0	4.0	6.1
HEADSTART	7.3	6.0	6.7	7.0	6.0	7.3	4.3	4.0	6.1
CATHEDRAL II	7.3	6.7	6.0	7.0	5.7	7.3	4.7	4.0	6.1
ASCEND	8.0	6.3	6.3	6.7	6.0	7.7	4.0	3.7	6.1
CIS-PR-75	7.7	6.0	6.0	7.0	6.3	7.3	4.3	3.7	6.0
LPR 98-144	7.3	6.0	6.0	7.0	6.7	7.3	4.3	3.7	6.0
PST-2SBE	7.3	6.3	5.3	6.7	6.0	7.3	5.0	4.3	6.0
BRIGHTSTAR II	7.3	6.0	5.7	7.0	6.7	7.0	4.7	4.0	6.0
PST-2M4	8.0	6.3	6.3	7.0	5.7	6.3	4.7	4.0	6.0



TABLE 11. LEAF TEXTURE RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE									
NAME	CA6	IL2	MD1	MI1	MT1	NE1	NY1	NY2	MEAN
PST-2RT	7.3	7.7	6.0	6.3	6.0	6.3	4.7	4.0	6.0
RACER	7.3	6.7	6.0	6.7	6.0	7.3	4.3	3.7	6.0
ALLSPORT	7.3	5.7	6.3	7.0	7.0	6.3	4.3	4.0	6.0
CABO (CIS-PR-80)	8.0	6.3	5.7	6.7	5.7	6.7	4.7	4.3	6.0
LINE DRIVE	7.0	6.7	6.3	6.3	6.7	7.3	4.0	3.7	6.0
SRX 4120	8.3	6.3	6.0	7.0	6.3	6.7	4.0	3.3	6.0
BARLENNIUM	7.3	6.7	6.3	7.0	6.3	6.7	4.0	3.7	6.0
PREMIER	7.7	6.3	6.0	6.3	5.7	6.7	4.7	4.7	6.0
ELFKIN	8.0	5.7	6.0	6.7	6.3	6.7	4.3	4.0	6.0
PLEASURE XL	7.3	6.7	7.0	6.3	6.7	6.0	4.0	3.7	6.0
PST-CATS	7.3	6.3	6.0	6.7	6.3	6.3	4.7	4.0	6.0
APR 1235	8.0	6.3	6.0	6.3	6.3	6.3	4.3	3.7	5.9
APR 776	6.7	6.3	6.7	6.7	6.3	6.7	4.3	3.7	5.9
KOCS R-71	8.3	6.0	6.0	6.3	5.7	6.7	4.3	4.0	5.9
LPR 98-143	8.0	5.7	6.3	6.7	6.3	7.0	4.0	3.3	5.9
LTP-ME	7.3	5.0	6.0	7.0	6.0	6.7	5.0	4.3	5.9
MANHATTAN 3	7.7	6.0	6.0	6.3	6.3	6.7	4.3	4.0	5.9
MONTEREY II (JR-187)	8.0	6.3	6.0	6.7	6.3	6.3	4.0	3.7	5.9
PICK EX2	7.3	5.7	6.3	6.7	6.0	6.7	4.3	4.3	5.9
WVFB-R-84	7.3	6.0	6.0	6.7	6.0	7.3	4.3	3.3	5.9
ABT-99-4.724	8.0	5.0	5.7	7.0	7.0	5.7	4.7	4.0	5.9
SUPERSTAR (EP57)	7.3	6.7	6.3	7.0	6.7	6.0	4.0	3.0	5.9
STELLAR (CIS-PR-72)	7.7	5.3	6.0	6.7	5.7	7.7	4.3	3.7	5.9
WVFB-R-82	8.0	6.3	6.3	6.0	5.7	6.3	4.3	4.0	5.9
PHANTOM	8.0	5.3	6.0	6.3	6.7	6.7	4.0	4.0	5.9
APR 1232	7.7	6.3	6.0	6.3	6.0	6.3	4.0	4.0	5.8
PASSPORT	7.3	6.0	5.7	7.0	6.0	6.3	4.7	3.7	5.8
BRIGHTSTAR SLT (PST-2A6B)	7.3	5.3	6.0	6.7	6.3	6.7	4.3	4.0	5.8
SECRETARIAT	7.7	6.3	6.0	7.0	5.7	5.7	4.3	4.0	5.8
APR 1233	8.0	5.7	5.7	6.3	6.3	6.3	4.0	4.0	5.8
DP LP-1	7.7	5.3	6.0	6.7	6.3	6.3	4.3	3.7	5.8
AFFINITY	7.3	5.0	6.0	6.3	6.0	7.7	4.3	3.7	5.8
DP 17-9069	7.3	5.3	6.0	6.3	.	6.3	4.7	4.3	5.8
PROWLER (APR 777)	7.7	7.3	6.7	6.3	6.0	5.7	3.3	3.0	5.8
BUCCANEER	7.7	6.3	5.3	6.0	5.3	6.3	4.3	4.0	5.7
DP 17-9391	8.0	5.3	6.3	6.0	5.7	6.3	4.0	3.7	5.7
APR 1234	7.0	4.7	5.7	6.0	5.7	6.3	4.3	3.3	5.4
EDGE	6.7	5.7	6.0	6.0	5.0	6.3	3.7	3.3	5.3
YATSUGREEN	7.7	3.7	6.0	6.3	5.3	6.0	4.0	3.3	5.3
DP 17-9496	6.7	2.0	4.3	6.0	4.0	6.0	5.0	4.7	4.8
LINN	6.3	1.3	4.3	6.0	3.7	5.3	5.0	4.7	4.6
LSD VALUE	0.9	1.8	0.8	0.6	1.2	1.8	1.0	1.0	0.4
C.V. (%)	7.0	16.6	7.7	5.3	12.0	15.9	13.8	15.5	12.2

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

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







TABLE 13. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	KY1	MI1	NE1	QE1	SD1	WA4	WI1	MEAN
ROBERTS-627	8.7	9.0	8.7	4.7	7.3	7.3	6.3	7.4
APPLAUD (PENNINGTON-11301)	8.3	9.0	9.0	5.0	7.3	6.7	6.0	7.3
APR 1231	8.7	8.7	9.0	4.7	7.0	7.0	6.3	7.3
MB 414 (ABT-99-4.903)	8.7	9.0	9.0	4.3	7.0	7.0	6.3	7.3
MONTEREY II (JR-187)	8.7	9.0	8.7	4.7	7.3	7.0	6.0	7.3
PICK RC2	8.3	9.0	8.7	4.7	7.0	7.3	6.0	7.3
CHARISMATIC (LTP 98-501)	8.7	9.0	8.3	5.0	7.0	7.0	6.0	7.3
DLF-LDD	8.7	9.0	8.7	5.0	7.3	6.0	6.3	7.3
GALAXY (JR-128)	8.3	8.7	8.7	5.0	7.0	7.0	6.3	7.3
PICK MDR	8.7	8.7	9.0	4.7	7.0	7.0	6.0	7.3
SRX 4820	8.3	8.7	8.7	5.0	7.0	7.3	6.0	7.3
MAJESTY	9.0	8.3	8.7	4.7	7.0	7.0	6.0	7.2
PACESETTER (6011)	8.3	8.7	8.3	5.0	7.0	7.3	6.0	7.2
PICK PR QH-97	9.0	8.3	8.0	5.0	7.3	6.7	6.3	7.2
PICK PRNGS	9.0	8.3	8.7	4.7	7.0	7.0	6.0	7.2
PST-2LA	8.3	9.0	8.3	5.0	7.0	7.0	6.0	7.2
ABT-99-4.600	8.3	9.0	8.7	5.0	7.0	6.7	6.0	7.2
ABT-99-4.834	9.0	9.0	8.7	5.0	7.0	6.3	5.7	7.2
ADMIRE (JR-151)	8.0	8.7	8.7	5.0	7.0	7.3	6.0	7.2
APR 1232	8.7	9.0	9.0	4.7	7.3	6.3	5.7	7.2
APR 776	9.0	8.7	9.0	5.0	7.0	6.3	5.7	7.2
CIS-PR-75	8.7	8.7	8.0	4.7	7.0	7.0	6.7	7.2
LPR 98-144	8.7	9.0	9.0	4.7	7.0	6.3	6.0	7.2
PLEASURE XL	8.7	9.0	9.0	4.7	7.0	6.3	6.0	7.2
BRIGHTSTAR SLT (PST-2A6B)	8.7	9.0	8.0	5.0	7.0	7.0	6.0	7.2
MANHATTAN 4 (PST-2CRL)	8.7	8.3	8.7	5.0	7.0	6.7	6.3	7.2
SRX 4RHT	8.7	9.0	8.3	5.0	7.0	6.7	6.0	7.2
ABT-99-4.115	8.7	9.0	9.0	4.7	7.0	6.7	5.7	7.2
ASCEND	9.0	8.7	8.7	5.0	7.0	6.7	5.7	7.2
ELFKIN	8.3	9.0	8.0	5.0	7.0	7.0	6.0	7.2
MB 412 (ABT-99-4.461)	8.7	9.0	8.3	4.7	7.0	6.7	6.0	7.2
PALMER III	8.7	8.7	8.3	5.0	7.0	7.3	5.3	7.2
PANTHER	8.3	8.7	9.0	5.0	7.0	7.0	5.3	7.2
PIZZAZZ	8.3	9.0	8.7	4.7	7.0	6.7	6.0	7.2
PREMIER II	9.0	9.0	8.3	5.0	7.0	6.3	5.7	7.2
RADIANT	8.7	8.7	8.7	5.0	7.0	6.3	6.0	7.2
SEVILLE II	8.3	9.0	8.3	5.0	7.0	7.0	5.7	7.2
A5C (ABT-99-4.960)	8.7	8.7	8.3	4.7	7.0	7.3	5.7	7.2
AFFIRMED	9.0	9.0	8.7	4.7	7.0	6.3	5.7	7.2
MB 411 (ABT-99-4.753)	8.7	9.0	8.7	4.0	7.0	7.0	6.0	7.2
NJ-6401	8.3	8.7	8.7	4.7	7.0	7.0	6.0	7.2
PENNANT II	8.3	8.7	8.0	5.0	6.7	7.0	6.7	7.2
BARLENNIUM	9.0	8.7	8.3	4.7	7.0	6.3	6.0	7.1
BY-100	8.3	9.0	8.0	5.0	7.0	6.7	6.0	7.1

TABLE 13. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY							MEAN
	KY1	MI1	NE1	QE1	SD1	WA4	WI1	
KOKOMO (CIS-PR-69)	8.7	8.7	8.7	4.7	7.0	6.7	5.7	7.1
NEXUS	8.0	9.0	8.3	5.0	7.0	6.7	6.0	7.1
PHANTOM	8.7	9.0	7.7	4.7	7.0	6.7	6.3	7.1
PINNACLE II (BAR 9 B2)	8.3	8.7	8.7	5.0	7.0	6.3	6.0	7.1
PROWLER (APR 777)	8.0	8.7	8.3	5.0	7.0	7.0	6.0	7.1
PST-2SLX	8.7	8.3	8.0	5.0	7.0	7.0	6.0	7.1
R8000	8.7	8.7	8.7	5.0	7.0	6.3	5.7	7.1
SR 4500	9.0	9.0	8.0	4.7	7.0	6.7	5.7	7.1
SRX 4120	8.7	8.0	8.3	4.7	7.0	6.7	6.7	7.1
ABT-99-4.560	8.7	9.0	8.0	5.0	7.0	6.7	5.7	7.1
APR 1237	8.3	8.7	8.7	4.7	7.0	6.7	6.0	7.1
PARAGON	8.7	8.7	8.3	4.7	7.0	7.0	5.7	7.1
PICK EX2	8.0	9.0	9.0	4.3	7.0	6.7	6.0	7.1
KOOS R-71	8.7	9.0	8.7	4.3	7.0	6.7	5.7	7.1
ABT-99-4.724	9.0	8.3	8.3	5.0	7.0	6.0	6.0	7.1
APR 1235	8.3	8.7	8.3	5.0	6.0	7.3	6.0	7.1
CALYPSO II	8.3	9.0	7.3	5.0	7.0	7.3	5.7	7.1
CATHEDRAL II	8.0	8.3	8.3	5.0	7.0	7.0	6.0	7.1
CIS-PR-84	9.0	8.3	7.7	4.7	7.0	6.3	6.7	7.1
DIVINE	8.3	9.0	8.7	5.0	7.0	6.3	5.3	7.1
FIESTA 3	8.7	8.3	8.3	4.3	7.0	7.0	6.0	7.1
GATOR 3 (CIS-PR-85)	8.0	9.0	8.3	4.7	7.0	7.3	5.3	7.1
MB 410 (ABT-99-4.629)	8.3	9.0	8.7	4.7	7.0	6.3	5.7	7.1
MEPY	8.7	9.0	8.3	4.7	6.7	6.3	6.0	7.1
PST-2SBE	8.0	8.3	8.0	5.0	7.0	7.0	6.3	7.1
CATALINA	8.0	8.7	8.7	4.7	7.0	6.7	6.0	7.1
DP 17-9069	8.3	9.0	8.0	4.7	7.3	6.7	5.7	7.1
JET	8.3	8.0	8.0	4.7	7.0	7.7	6.0	7.1
MB 413 (ABT-99-4.633)	8.7	8.7	8.7	4.3	7.0	6.3	6.0	7.1
PASSPORT	7.7	8.7	8.7	5.0	7.0	6.7	6.0	7.1
PST-2JH	8.0	8.3	8.7	5.0	7.0	7.0	5.7	7.1
PST-2L96	8.0	9.0	8.0	4.7	7.3	6.7	6.0	7.1
SRX 4801	9.0	8.7	8.0	4.7	6.7	6.7	6.0	7.1
WVPB-R-82	8.7	8.7	8.7	5.0	6.7	6.7	5.3	7.1
ABT-99-4.464	8.3	8.7	8.7	4.7	7.0	6.7	5.7	7.1
CAS-LP84	8.3	9.0	8.0	4.3	7.0	6.7	6.0	7.0
EXACTA	8.7	8.7	7.7	4.7	6.7	6.7	6.3	7.0
LPR 98-143	8.7	8.3	8.7	4.7	6.7	6.3	6.0	7.0
PST-2RT	8.0	8.3	8.7	5.0	7.0	6.3	6.0	7.0
SKYHAWK	9.0	8.3	8.0	4.3	7.0	6.7	6.0	7.0
ALLSPORT	8.7	9.0	7.7	4.7	7.0	6.7	5.7	7.0
APR 1233	8.3	8.7	8.7	5.0	6.7	6.0	6.0	7.0
BRIGHTSTAR II	8.7	8.7	8.3	4.3	7.0	6.7	5.7	7.0
EXTREME (JR-317)	8.3	9.0	8.3	4.3	7.0	6.7	5.7	7.0
MP107	8.7	9.0	7.7	4.7	7.0	6.7	5.7	7.0

TABLE 13. SPRING DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY							MEAN
	KY1	MI1	NE1	QE1	SD1	WA4	WI1	
SECRETARIAT	8.0	8.0	9.0	4.3	7.0	7.3	5.7	7.0
UT-1000 (ABT-99-4.709)	8.3	8.3	8.3	4.7	7.0	6.3	6.0	7.0
CHARGER II	9.0	9.0	8.0	4.7	6.7	6.7	5.0	7.0
CHURCHILL	9.0	8.7	8.0	4.3	7.0	6.7	5.3	7.0
DP 17-9391	8.3	8.3	8.7	4.7	7.0	6.7	5.3	7.0
EP53	8.7	8.3	8.3	4.7	7.0	6.0	6.0	7.0
EPD	8.3	8.3	8.7	4.7	7.0	6.0	6.0	7.0
MDP	8.7	8.3	8.7	4.0	7.0	6.3	6.0	7.0
MP88	8.7	9.0	8.0	4.3	7.0	6.3	5.7	7.0
PREMIER	7.7	8.3	8.3	4.7	7.0	7.3	5.7	7.0
PROSPORT (AG-P981)	8.3	8.7	7.7	5.0	6.7	7.0	5.7	7.0
PST-2BR	8.3	8.7	8.0	4.7	7.3	6.7	5.3	7.0
EDGE	8.0	9.0	8.0	5.0	6.7	6.7	5.7	7.0
WILMINGTON	8.7	8.7	7.7	5.0	6.7	6.7	5.7	7.0
AMAZING (B1)	8.3	9.0	8.3	4.7	7.0	6.0	5.3	7.0
PICK PR B-97	8.3	8.7	8.0	5.0	7.3	6.0	5.3	7.0
AFFINITY	8.0	8.7	8.3	5.3	7.0	6.3	5.0	7.0
DP LP-1	8.0	9.0	8.0	5.0	6.7	6.7	5.3	7.0
HEADSTART	8.3	8.3	8.7	4.7	7.0	6.0	5.7	7.0
LINE DRIVE	8.7	8.3	7.7	4.7	6.7	6.7	6.0	7.0
RACER	8.0	8.0	8.0	4.3	7.0	7.3	6.0	7.0
ABT-99-4.339	8.0	8.7	9.0	4.7	7.0	5.7	5.7	7.0
STELLAR (CIS-PR-72)	8.0	8.7	8.0	4.7	7.0	6.7	5.7	7.0
CABO (CIS-PR-80)	8.0	8.0	8.3	4.7	6.7	6.7	6.0	6.9
MP103	8.3	8.3	8.3	4.0	7.0	6.3	6.0	6.9
PST-2M4	8.0	8.3	8.3	5.0	6.7	6.0	6.0	6.9
WVPB-R-84	8.0	8.3	8.3	5.0	6.7	6.7	5.3	6.9
PICK PR 1-94	8.7	8.3	8.7	4.3	6.7	6.0	5.7	6.9
PROMISE	8.3	8.3	8.3	4.3	7.0	6.3	5.7	6.9
SUPERSTAR (EP57)	8.3	8.7	7.7	4.7	6.7	6.3	5.7	6.9
PARADIGM (APR 1236)	8.3	8.3	8.7	4.7	7.0	5.7	5.3	6.9
PST-CATS <sup>2</sup>	8.0	8.3	7.7	5.0	7.0	6.3	5.7	6.9
ALL STAR <sup>2</sup> (CIS-PR-78)	8.7	8.7	7.7	4.3	6.7	6.3	5.3	6.8
APR 1234	8.7	8.3	7.3	4.3	6.3	7.0	5.7	6.8
YATSUGREEN	8.3	8.3	7.3	5.0	6.0	7.7	4.7	6.8
PST-2CRR	8.0	8.3	7.7	4.0	7.0	6.7	5.3	6.7
MANHATTAN 3	7.7	9.0	7.7	4.3	6.3	6.3	5.3	6.7
BUCCANEER	7.3	8.0	7.7	5.0	5.7	7.7	5.3	6.7
LTP-ME	7.7	8.0	7.3	4.7	6.7	5.7	5.3	6.5
DP 17-9496	7.3	8.0	6.3	4.0	5.0	7.0	4.3	6.0
LINN	6.0	8.3	5.7	4.0	4.7	6.7	4.0	5.6
LSD VALUE	0.9	0.8	1.0	0.7	0.5	1.1	1.0	0.3
C.V. (%)	6.6	5.8	7.4	9.5	4.6	10.3	11.0	7.8

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

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

TABLE 14.

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/										
	KY1	MI1	MT1	NE1	PA1	QE1	SD1	UT1	WA3	WI1	MEAN
SR 4500	9.0	8.0	8.0	9.0	7.7	5.0	6.3	5.7	8.7	5.7	7.3
ROBERTS-627	9.0	8.0	6.3	9.0	7.3	5.0	6.7	5.7	8.7	6.0	7.2
NJ-6401	8.3	7.3	8.3	9.0	6.7	4.7	6.3	6.0	8.7	5.7	7.1
R8000	8.7	7.0	8.0	8.7	7.3	5.3	6.0	5.7	8.7	5.7	7.1
APPLAUD (PENNINGTON-11301)	8.7	6.7	8.0	9.0	7.0	5.3	6.3	5.0	8.3	6.3	7.1
SRX 4820	8.3	7.7	8.3	8.7	6.3	5.3	6.0	5.3	8.3	6.0	7.0
DLF-LDD	9.0	7.3	8.0	8.7	7.0	5.7	6.0	5.7	7.7	5.3	7.0
APR 776	9.0	7.3	7.3	8.7	7.3	5.0	6.0	5.3	8.7	5.3	7.0
DIVINE	8.3	7.3	6.7	8.7	7.0	5.3	5.7	7.0	8.7	5.3	7.0
PST-2BR	9.0	8.0	7.0	8.3	7.0	5.3	6.3	5.0	8.7	5.3	7.0
CHARISMATIC (LTP 98-501)	9.0	7.3	7.0	9.0	6.3	5.0	6.3	5.3	8.7	5.7	7.0
PACESETTER (6011)	8.7	6.7	8.0	8.3	6.7	5.3	6.0	6.0	8.3	5.7	7.0
PANTHER	8.7	7.0	7.3	8.7	7.0	5.0	6.0	6.0	8.3	5.7	7.0
PICK MDR	8.7	7.3	6.3	9.0	7.3	5.3	6.3	5.0	8.7	5.7	7.0
PST-2L96	8.3	7.0	8.7	8.7	7.0	5.0	6.3	5.0	8.0	5.7	7.0
MAJESTY	9.0	7.0	7.3	8.7	7.0	4.7	5.7	6.0	8.7	5.7	7.0
KOKOMO (CIS-PR-69)	8.7	7.3	6.0	8.7	7.3	5.3	6.0	5.3	8.3	6.3	6.9
SRX 4801	9.0	7.7	7.7	8.0	7.0	5.0	6.0	5.0	8.3	5.7	6.9
MB 411 (ABT-99-4.753)	9.0	7.3	7.7	8.7	6.0	4.7	6.3	5.3	8.7	5.7	6.9
MANHATTAN 4 (PST-2CRL)	8.7	7.0	8.0	9.0	6.7	5.0	6.0	5.3	8.7	5.0	6.9
GALAXY (JR-128)	8.7	7.0	8.3	9.0	6.0	5.7	6.0	5.0	8.0	5.3	6.9
PINNACLE II (BAR 9 B2)	8.7	6.7	8.0	8.3	7.3	5.0	6.7	5.0	8.0	5.3	6.9
PIZZAZZ	9.0	7.0	6.7	8.3	7.0	5.0	6.7	5.3	8.7	5.3	6.9
SEVILLE II	8.3	7.3	7.0	8.7	6.7	5.0	5.7	6.0	8.7	5.7	6.9
SRX 4RHT	8.0	7.0	8.0	8.0	7.3	5.0	6.3	5.3	8.7	5.3	6.9
PICK PR 1-94	8.7	7.3	7.3	9.0	6.7	5.0	6.7	5.3	7.7	5.3	6.9
ABT-99-4.560	8.7	7.7	7.3	8.0	6.3	5.0	6.0	5.7	8.3	5.7	6.9
CATALINA	7.7	6.7	8.7	8.3	7.3	5.0	5.7	6.0	8.3	5.0	6.9
CATHEDRAL II	8.3	7.0	7.0	8.7	7.3	5.3	6.0	5.0	8.0	6.0	6.9
LINE DRIVE	8.3	7.0	7.7	8.7	7.3	5.3	5.0	5.3	8.7	5.3	6.9
MB 410 (ABT-99-4.629)	8.0	7.0	7.7	8.7	6.3	5.3	6.3	5.7	8.7	5.0	6.9
MONTEREY II (JR-187)	8.0	7.3	7.0	8.3	7.3	5.0	6.0	6.3	8.0	5.3	6.9
PICK PR QH-97	9.0	7.0	6.7	8.3	7.0	5.0	6.7	5.3	8.3	5.3	6.9
STELLAR (CIS-PR-72)	8.0	7.0	8.0	8.3	7.0	4.7	6.3	5.7	8.0	5.7	6.9
APR 1232	8.7	6.7	8.3	8.7	7.0	4.7	5.3	5.3	8.7	5.3	6.9
PENNANT II	8.0	7.0	7.7	8.3	7.0	5.3	5.7	5.0	8.7	6.0	6.9
PST-2RT	8.7	7.7	6.7	8.7	6.7	5.0	6.0	5.7	8.3	5.3	6.9
ADMIRE (JR-151)	7.7	7.0	7.7	8.3	7.3	5.7	6.0	5.0	8.0	5.7	6.8
PICK PRNGS	8.3	6.7	6.3	8.7	7.3	5.0	6.3	5.3	8.7	5.7	6.8
PST-2LA	8.7	7.3	7.7	8.7	7.0	5.0	5.7	5.0	8.0	5.3	6.8
ABT-99-4.464	8.0	6.7	7.3	9.0	7.0	4.7	6.0	5.7	8.0	5.7	6.8
ABT-99-4.834	9.0	7.0	6.3	8.7	6.7	5.0	6.7	5.0	8.7	5.0	6.8
AFFIRMED	8.3	7.3	6.3	9.0	7.0	5.0	6.0	5.7	8.3	5.0	6.8
PICK RC2	8.3	7.0	7.0	8.3	5.7	4.7	6.3	6.0	8.7	6.0	6.8



TABLE 14.  
(CONT'D)

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
2000 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY										
	KY1	MI1	MT1	NE1	PA1	QE1	SD1	UT1	WA3	WI1	MEAN
ELFKIN	8.0	7.3	6.0	9.0	7.3	5.3	6.0	5.3	8.0	5.7	6.8
MB 412 (ABT-99-4.461)	8.0	7.3	7.3	8.3	6.3	4.7	6.3	5.3	8.7	5.7	6.8
MB 414 (ABT-99-4.903)	8.7	7.0	7.3	9.0	6.0	4.3	6.3	5.3	8.7	5.3	6.8
MP88	9.0	7.0	6.7	8.3	6.7	4.7	6.0	6.0	8.0	5.7	6.8
PICK PR B-97	8.7	7.3	6.3	8.0	7.0	5.0	6.7	5.3	8.3	5.3	6.8
PREMIER II	8.3	7.0	6.7	8.3	6.7	5.0	6.7	5.7	8.3	5.3	6.8
RADIANT	8.3	7.0	7.3	9.0	7.0	5.0	5.7	4.3	9.0	5.3	6.8
WILMINGTON	8.7	6.7	7.7	8.0	6.3	5.7	6.3	5.0	8.7	5.0	6.8
ABT-99-4.115	9.0	7.3	7.0	8.3	6.7	4.7	6.0	5.7	8.0	5.3	6.8
ABT-99-4.724	8.7	7.0	6.0	8.3	6.7	5.0	6.3	5.3	8.7	5.7	6.8
EXTREME (JR-317)	8.0	7.0	7.0	8.3	7.0	5.0	6.0	5.7	8.3	5.3	6.8
JET	9.0	7.0	6.3	7.7	6.3	5.0	6.3	5.7	8.7	5.7	6.8
LPR 98-143	7.7	7.3	8.0	8.3	6.0	5.0	6.0	5.3	8.3	5.7	6.8
MB 413 (ABT-99-4.633)	8.3	7.3	7.0	9.0	6.7	4.3	6.0	4.7	9.0	5.3	6.8
PALMER III	7.7	6.7	8.0	8.7	6.3	4.7	6.0	5.7	8.3	5.7	6.8
ALL STAR (CIS-PR-78)	8.7	7.3	6.3	8.0	7.0	5.0	6.3	5.7	8.3	5.0	6.8
EPD	8.0	7.0	7.0	9.0	7.0	4.7	6.0	5.7	8.0	5.3	6.8
MP107	8.0	7.3	7.0	8.0	6.0	4.7	6.3	6.7	8.0	5.7	6.8
NEXUS	8.0	7.3	7.0	8.3	6.0	5.0	7.0	5.0	8.7	5.3	6.8
PHANTOM	7.3	7.0	7.7	8.0	6.7	5.3	6.0	5.7	8.7	5.3	6.8
PROWLER (APR 777)	7.3	7.0	8.3	8.7	7.0	5.0	5.0	5.3	8.7	5.3	6.8
AMAZING (B1)	8.3	7.3	6.7	8.3	6.3	4.7	6.3	6.0	8.0	5.3	6.7
PST-2SLX	8.7	6.7	6.7	8.3	6.7	5.0	6.3	5.0	9.0	5.0	6.7
APR 1237	8.7	7.3	6.7	8.3	6.7	5.3	6.0	5.0	7.7	5.7	6.7
BARLENNIUM	8.3	6.7	5.7	8.3	6.3	5.0	6.7	5.7	9.0	5.7	6.7
CHURCHILL	8.7	6.7	7.3	8.3	6.7	4.7	6.0	5.3	8.3	5.3	6.7
EXACTA	8.0	7.3	7.0	8.0	6.7	5.0	6.0	5.7	7.7	6.0	6.7
LPR 98-144	8.3	7.3	5.7	9.0	7.0	5.0	5.7	5.3	8.7	5.3	6.7
MP103	8.3	7.7	7.0	8.3	5.7	5.0	6.0	5.7	8.0	5.7	6.7
BRIGHTSTAR SLT (PST-2A6B)	8.0	7.7	7.7	8.0	7.0	5.0	6.0	4.7	8.0	5.3	6.7
MANHATTAN 3	7.7	7.3	8.3	7.7	6.3	4.3	6.0	5.3	8.3	5.7	6.7
ABT-99-4.339	8.3	7.0	7.0	8.7	7.0	5.3	5.3	5.0	8.0	5.3	6.7
ABT-99-4.600	8.7	7.3	6.3	8.3	6.7	5.0	5.7	5.3	8.0	5.7	6.7
BRIGHTSTAR II	8.3	7.0	7.0	8.3	5.7	4.3	6.3	5.7	9.0	5.3	6.7
PLEASURE XL	8.7	7.0	6.7	8.3	7.0	4.7	6.0	5.3	8.3	5.0	6.7
PREMIER	7.0	6.7	7.7	8.0	7.3	5.0	5.7	5.7	8.3	5.7	6.7
PROMISE	8.7	6.7	6.3	8.7	6.7	5.0	6.0	5.3	8.7	5.0	6.7
PROSPORT (AG-P981)	8.7	7.0	7.7	8.0	7.0	5.0	5.7	5.0	8.0	5.0	6.7
AFFINITY	8.0	6.7	6.7	8.3	7.3	5.7	5.0	6.0	8.0	5.0	6.7
ALLSPORT	8.0	7.0	6.7	8.3	7.3	5.0	5.7	5.0	8.3	5.3	6.7
EP53	8.0	6.7	6.3	8.3	7.0	5.0	5.7	5.7	8.3	5.7	6.7
FIESTA 3	8.7	7.0	6.7	8.3	6.0	4.7	6.0	5.3	8.3	5.7	6.7
CIS-PR-75	8.0	7.0	7.0	8.0	6.7	4.7	6.0	5.7	8.3	5.3	6.7
SUPERSTAR (EP57)	8.7	7.0	7.3	8.0	6.7	4.7	6.0	5.0	8.3	5.0	6.7
HEADSTART	7.7	7.0	7.3	8.7	6.7	5.0	5.7	4.7	8.7	5.3	6.7

TABLE 14.  
(CONT'D)

SUMMER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
2000 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY										
	KY1	MI1	MT1	NE1	PA1	QE1	SD1	UT1	WA3	WI1	MEAN
CALYPSO II	8.3	7.7	5.7	8.0	6.7	5.0	5.7	5.3	8.3	5.7	6.6
CAS-LP84	7.3	7.0	7.3	8.3	7.0	4.3	6.0	6.0	7.3	5.7	6.6
CHARGER II	7.3	7.0	6.7	8.3	7.0	5.3	5.7	5.3	8.3	5.3	6.6
PARAGON	8.3	7.7	5.7	8.7	6.3	5.0	6.3	5.0	8.0	5.3	6.6
PASSPORT	7.0	7.3	7.0	8.7	6.0	5.0	6.0	5.3	8.3	5.7	6.6
PST-2SBE	8.0	6.7	7.0	8.0	7.0	5.0	6.0	5.0	8.3	5.3	6.6
DP 17-9391	7.7	7.7	6.3	8.7	7.7	4.7	6.0	4.7	8.0	5.0	6.6
APR 1231	8.3	7.0	6.7	8.7	7.3	4.7	5.3	4.7	8.3	5.0	6.6
APR 1233	7.3	6.7	7.0	8.3	7.0	5.0	5.3	5.0	8.7	5.7	6.6
BY-100	8.3	7.0	6.3	8.7	7.0	5.0	5.7	5.0	7.7	5.3	6.6
CIS-PR-84	8.0	6.7	6.3	8.0	6.3	5.0	6.0	5.7	8.3	5.7	6.6
GATOR 3 (CIS-PR-85)	8.7	7.0	6.0	8.3	6.3	5.0	5.7	5.3	8.7	5.0	6.6
PST-2JH	8.0	7.0	7.7	7.7	6.3	5.0	5.7	5.7	7.7	5.3	6.6
SRX 4120	7.0	6.7	6.7	8.3	6.7	5.0	5.7	5.7	8.7	5.7	6.6
A5C (ABT-99-4.960)	8.3	7.0	6.0	8.3	6.7	4.7	6.0	5.3	8.3	5.0	6.6
PST-CATS	7.7	7.0	7.0	7.7	6.3	5.0	6.3	5.0	8.7	5.0	6.6
PICK EX2	7.0	7.0	6.3	9.0	6.0	5.3	5.3	5.7	8.7	5.3	6.6
DP 17-9069	8.3	7.3	.	8.0	6.7	5.0	5.3	5.0	7.7	5.7	6.6
ASCEND	8.3	7.0	6.0	8.7	6.0	5.0	6.3	5.0	8.3	4.7	6.5
PST-2CRR	8.3	6.7	6.0	7.7	6.7	4.3	6.0	5.7	8.3	5.7	6.5
DP LP-1	6.3	7.0	7.7	8.0	7.0	5.0	5.0	6.0	7.7	5.7	6.5
EDGE	7.7	6.7	6.7	8.0	6.7	5.7	5.7	5.3	7.7	5.3	6.5
MDP	7.7	7.0	6.7	8.0	6.7	4.3	5.7	5.7	8.3	5.3	6.5
PST-2M4	8.3	7.7	6.3	8.0	6.0	5.0	5.3	5.0	8.3	5.3	6.5
SKYHAWK	7.3	7.3	6.7	8.3	6.7	4.3	6.0	5.7	7.7	5.3	6.5
KOOS R-71	7.0	7.0	6.7	8.3	6.3	4.3	5.7	6.0	8.3	5.3	6.5
RACER	7.0	7.3	6.3	8.7	6.3	5.0	5.7	5.0	8.7	5.0	6.5
SECRETARIAT	8.3	7.0	5.3	8.0	7.3	4.7	5.3	5.7	8.3	5.0	6.5
WVPB-R-84	6.3	7.0	7.0	8.7	6.7	5.7	5.0	5.0	8.7	5.0	6.5
APR 1235	7.0	7.0	6.3	8.0	6.3	5.3	5.0	5.3	9.0	5.3	6.5
CABO (CIS-PR-80)	7.3	6.7	7.3	8.3	6.3	4.7	5.3	5.0	8.3	5.0	6.4
UT-1000 (ABT-99-4.709)	7.3	7.0	6.7	8.3	5.3	5.0	6.0	5.3	8.3	5.0	6.4
YATSUGREEN	7.0	7.3	7.0	8.0	6.3	5.0	5.0	4.7	8.3	5.7	6.4
PARADIGM (APR 1236)	7.7	6.7	7.0	8.7	5.3	4.7	6.3	4.3	8.3	5.0	6.4
WVPB-R-82	6.0	6.7	6.7	8.0	6.7	5.0	5.3	5.7	8.3	5.7	6.4
MEPY	7.7	7.3	6.0	8.0	5.7	4.7	6.0	5.0	8.0	5.3	6.4
LTP-ME	7.7	6.7	7.3	7.3	6.7	5.0	5.7	5.0	7.7	4.7	6.4
APR 1234	7.0	6.7	6.3	7.3	6.7	4.7	4.3	5.0	8.0	5.3	6.1
BUCCANEER	6.0	7.0	7.7	7.3	6.3	5.0	4.7	5.3	7.7	4.3	6.1
DP 17-9496	5.7	6.3	7.3	6.7	7.0	4.0	4.0	3.7	7.3	3.7	5.6
LINN	4.0	6.0	6.7	6.0	6.7	4.7	3.0	3.0	7.0	3.0	5.0
LSD VALUE	1.0	0.8	2.6	0.9	1.4	0.8	0.8	1.3	0.9	0.9	0.4
C.V. (%)	7.7	7.4	23.2	6.6	13.4	10.6	8.3	15.3	6.7	10.6	11.8

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

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

TABLE 15. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	KY1	MI1	MT1	NE1	WA3	WA4	WI1	MEAN
MANHATTAN 4 (PST-2CRL)	9.0	6.3	8.7	8.7	6.7	9.0	6.7	7.9
SR 4500	9.0	6.0	8.7	9.0	6.8	8.0	7.0	7.8
PST-2BR	9.0	6.7	7.3	8.7	6.8	8.7	7.0	7.7
DLF-LDD	9.0	6.3	7.7	9.0	6.3	8.7	7.0	7.7
NJ-6401	9.0	6.3	8.7	8.3	6.7	8.3	6.7	7.7
ROBERTS-627	9.0	7.3	7.3	8.3	5.8	8.7	7.3	7.7
SRX 4RHT	9.0	6.7	8.0	8.3	6.5	8.3	7.0	7.7
R8000	8.7	5.7	8.7	9.0	6.5	8.7	6.7	7.7
APPLAUD (PENNINGTON-11301)	9.0	6.3	8.3	8.7	6.0	8.3	7.0	7.7
SRX 4820	9.0	6.3	8.0	8.7	6.3	8.7	6.7	7.7
SEVILLE II	9.0	6.0	8.0	8.7	6.5	8.3	7.0	7.6
MB 411 (ABT-99-4.753)	8.3	6.0	8.3	8.3	6.8	8.3	7.0	7.6
SRX 4801	9.0	6.0	8.3	8.3	6.0	8.3	7.0	7.6
PREMIER II	9.0	6.0	7.3	8.7	6.7	8.7	6.7	7.6
APR 776	8.7	6.0	8.0	9.0	6.5	8.3	6.3	7.5
MB 410 (ABT-99-4.629)	9.0	5.7	8.0	9.0	6.2	8.3	6.7	7.5
PICK RC2	8.7	6.0	7.3	8.7	6.5	8.7	7.0	7.5
ABT-99-4.834	9.0	6.7	7.0	8.7	6.0	8.3	7.0	7.5
CABO (CIS-PR-80)	8.3	6.3	7.7	8.7	6.3	8.3	7.0	7.5
FACESETTER (6011)	9.0	6.0	7.3	8.7	6.3	8.7	6.7	7.5
PINNACLE II (BAR 9 E2)	8.3	5.7	8.0	8.7	6.3	8.7	7.0	7.5
MAJESTY	9.0	5.7	7.7	8.7	6.8	8.0	6.7	7.5
MB 413 (ABT-99-4.633)	8.7	6.0	7.7	8.7	6.2	8.3	7.0	7.5
MB 414 (ABT-99-4.903)	8.3	5.7	7.7	9.0	6.8	8.3	6.7	7.5
PROWLER (APR 777)	8.3	5.7	8.7	8.7	6.8	8.3	6.0	7.5
RADIANT	8.3	6.0	7.3	9.0	6.5	8.7	6.7	7.5
WILMINGTON	8.7	5.7	8.0	7.7	6.8	8.7	7.0	7.5
BARLENNIUM	8.3	6.0	7.3	8.7	7.0	8.3	6.7	7.5
PST-2LA	8.0	6.0	8.3	8.3	6.0	8.7	7.0	7.5
STELLAR (CIS-PR-72)	9.0	6.3	7.7	8.0	6.3	8.0	7.0	7.5
PST-2RT	9.0	6.0	7.3	8.7	6.0	8.7	6.7	7.5
KOKOMO (CIS-PR-69)	9.0	6.0	7.0	9.0	5.8	8.3	7.0	7.5
MANHATTAN 3	8.7	6.3	8.0	7.7	6.7	8.3	6.3	7.4
ABT-99-4.115	8.3	6.3	7.7	8.7	6.0	8.0	7.0	7.4
AMAZING (B1)	9.0	6.3	7.3	8.3	6.0	8.0	7.0	7.4
CHARISMATIC (LTP 98-501)	9.0	6.0	7.3	8.7	6.0	8.3	6.7	7.4
CHURCHILL	9.0	5.7	7.3	8.7	6.3	8.3	6.7	7.4
PENNANT II	7.7	6.0	8.0	8.0	7.3	8.7	6.3	7.4
PICK PR QH-97	8.0	6.0	7.3	8.7	6.3	8.7	7.0	7.4
PST-2L96	8.7	6.0	7.7	8.7	6.0	8.3	6.7	7.4
BRIGHTSTAR II	8.3	6.0	7.7	8.0	6.7	8.7	6.7	7.4
MB 412 (ABT-99-4.461)	8.7	6.3	8.0	8.7	5.7	8.0	6.7	7.4
PIZZAZZ	9.0	6.0	7.3	8.3	6.0	8.7	6.7	7.4
ELFKIN	8.0	6.0	7.0	8.3	6.8	8.7	7.0	7.4

TABLE 15. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	KY1	MI1	MT1	NE1	WA3	WA4	WI1	MEAN
JET	9.0	6.0	6.7	8.0	6.5	8.7	7.0	7.4
ABT-99-4.339	8.7	6.0	7.3	8.7	6.5	7.7	7.0	7.4
APR 1237	9.0	6.0	7.7	8.3	6.5	7.7	6.7	7.4
PICK MDR	8.3	6.7	7.0	8.7	6.2	8.0	7.0	7.4
APR 1232	8.0	6.0	8.0	8.7	6.7	7.7	6.7	7.4
ABT-99-4.724	9.0	6.0	6.7	8.7	5.8	8.7	6.7	7.4
GATOR 3 (CIS-PR-85)	8.7	6.3	6.7	8.7	5.8	8.7	6.7	7.4
PST-2JH	9.0	5.7	7.7	8.7	5.8	8.0	6.7	7.4
PST-2SLX	8.7	5.7	7.3	8.3	6.2	8.3	7.0	7.4
PICK PRNGS	8.0	5.7	7.3	8.3	7.0	8.0	7.0	7.3
PST-2M4	8.7	6.3	7.0	8.7	6.0	8.0	6.7	7.3
ADMIRE (JR-151)	8.0	6.0	7.7	8.7	6.5	8.0	6.3	7.3
CHARGER II	8.0	6.0	7.7	8.3	6.5	8.3	6.3	7.3
PROMISE	8.7	6.0	7.3	8.0	5.8	8.7	6.7	7.3
ASCEND	8.7	6.0	7.3	8.7	6.2	7.7	6.7	7.3
FIESTA 3	8.3	6.0	6.7	8.0	6.8	8.3	7.0	7.3
ABT-99-4.464	8.7	5.7	7.0	9.0	6.0	8.3	6.3	7.3
CALYPSO II	8.7	6.0	7.0	8.0	6.3	8.0	7.0	7.3
DIVINE	8.0	6.0	7.7	8.7	6.7	7.3	6.7	7.3
GALAXY (JR-128)	7.7	5.3	7.7	8.7	6.3	8.7	6.7	7.3
PICK PR B-97	8.7	6.0	6.7	9.0	5.7	8.0	7.0	7.3
A5C (ABT-99-4.960)	8.0	6.0	6.7	8.7	6.5	8.7	6.3	7.3
CATHEDRAL II	8.0	6.3	7.7	8.7	5.8	8.3	6.0	7.3
SRX 4120	8.0	6.0	7.0	8.3	6.8	8.0	6.7	7.3
ABT-99-4.560	8.7	6.0	7.3	7.7	5.8	8.7	6.7	7.3
EXTREME (JR-317)	7.7	6.0	8.3	8.0	6.2	8.0	6.7	7.3
EXACTA	8.7	5.7	7.0	8.0	6.7	8.3	6.3	7.2
PARADIGM (APR 1236)	8.7	5.3	7.7	9.0	5.7	8.0	6.3	7.2
ALL STAR (CIS-PR-78)	9.0	6.3	7.0	8.0	5.3	8.0	7.0	7.2
PST-2SBE	9.0	5.7	6.7	8.0	6.0	8.7	6.7	7.2
APR 1231	8.3	5.7	7.0	8.7	6.5	7.7	6.7	7.2
UT-1000 (ABT-99-4.709)	8.0	5.7	7.3	8.7	6.5	7.7	6.7	7.2
PARAGON	7.7	6.0	6.7	8.3	6.7	8.0	7.0	7.2
PLEASURE XL	8.7	5.7	7.0	8.7	6.0	8.0	6.3	7.2
ABT-99-4.600	8.0	6.3	7.0	8.3	6.0	8.0	6.7	7.2
MP103	8.3	6.3	7.3	8.0	5.7	8.0	6.7	7.2
BRIGHTSTAR SLT (PST-2A6B)	8.7	6.0	7.7	8.0	5.3	8.0	6.7	7.2
RACER	7.7	5.7	7.3	8.0	7.2	8.3	6.0	7.2
AFFIRMED	8.0	6.0	6.7	8.7	5.8	8.3	6.7	7.2
CIS-PR-84	8.7	5.3	7.7	8.0	5.5	8.7	6.3	7.2
PICK PR 1-94	8.3	6.0	7.0	8.3	5.8	8.0	6.7	7.2
PST-CATS	7.7	6.0	7.7	8.0	5.8	8.3	6.7	7.2
PROSPORT (AG-P981)	7.3	6.0	8.0	8.0	5.8	8.0	7.0	7.2
CIS-PR-75	7.7	5.7	7.3	8.7	6.0	8.0	6.7	7.1
SUPERSTAR (EP57)	7.7	6.0	7.7	7.7	6.0	8.3	6.7	7.1

TABLE 15. FALL DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY								
NAME	KY1	MI1	MT1	NE1	WA3	WA4	WI1	MEAN
PASSPORT	6.7	6.0	7.7	8.3	6.7	8.0	6.7	7.1
LPR 98-143	7.7	6.0	7.7	8.3	5.8	8.0	6.3	7.1
MONTEREY II (JR-187)	8.0	6.0	7.3	8.3	5.5	8.0	6.7	7.1
NEXUS	8.7	5.7	6.3	8.0	6.2	8.0	7.0	7.1
BY-100	7.7	6.0	7.3	8.3	6.0	8.0	6.3	7.1
CATALINA	6.3	5.7	8.7	7.7	6.7	8.0	6.7	7.1
MDP	7.0	5.7	7.3	8.7	6.0	8.3	6.7	7.1
PHANTOM	7.0	6.0	7.3	8.3	7.0	8.0	6.0	7.1
APR 1233	7.3	6.0	7.3	8.0	6.5	8.0	6.3	7.1
APR 1235	8.0	5.3	7.3	9.0	5.8	8.0	6.0	7.1
DP 17-9391	7.3	6.0	6.7	9.0	6.5	7.7	6.3	7.1
LINE DRIVE	8.3	5.3	7.7	8.0	6.2	7.7	6.3	7.1
MP107	8.0	6.0	7.0	8.0	5.8	8.0	6.7	7.1
MP88	8.0	6.3	7.3	7.7	5.8	7.3	7.0	7.1
EPD	7.0	6.0	7.3	8.3	6.2	8.0	6.7	7.1
HEADSTART	6.3	5.3	7.7	8.3	6.7	8.3	6.7	7.0
YATSUGREEN	6.7	6.0	7.7	8.3	6.2	8.3	6.0	7.0
EP53	7.3	5.7	7.0	8.0	5.8	8.7	6.7	7.0
PST-2CRR	6.7	6.0	6.7	9.0	6.2	8.0	6.7	7.0
DP LP-1	8.3	5.3	7.7	7.0	6.0	8.0	6.7	7.0
PANTHER	6.3	6.0	6.7	8.7	6.3	8.3	6.7	7.0
ALLSPORT	6.3	6.0	6.7	8.3	6.5	8.3	6.7	7.0
PICK EX2	7.0	6.0	7.0	8.3	6.2	8.0	6.3	7.0
SKYHAWK	7.7	6.0	7.3	7.3	5.8	8.3	6.3	7.0
LPR 98-144	6.7	6.0	6.3	8.7	6.5	8.7	6.0	7.0
EDGE	6.3	5.3	8.0	8.0	6.3	8.3	6.0	6.9
KOOS R-71	6.0	6.0	7.7	8.0	6.5	8.0	6.0	6.9
WVPB-R-84	6.7	5.7	7.7	7.7	6.2	8.0	6.3	6.9
PALMER III	5.7	5.3	8.0	8.0	6.0	8.3	6.7	6.9
AFFINITY	7.3	5.0	7.3	8.0	6.7	8.0	5.7	6.9
SECRETARIAT	7.3	5.7	6.3	8.3	6.2	7.7	6.3	6.8
CAS-LP84	7.3	5.7	7.0	8.0	5.0	8.0	6.7	6.8
DP 17-9069	7.3	5.7	.	7.7	6.0	7.7	6.3	6.8
MEPY	6.3	6.0	6.7	7.7	5.2	8.3	6.7	6.7
WVPB-R-82	5.3	5.7	7.0	8.0	6.5	8.0	6.3	6.7
LTP-ME	6.3	6.0	7.3	7.3	4.7	8.3	6.7	6.7
BUCCANEER	6.7	5.0	7.3	7.7	5.8	8.0	6.0	6.6
PREMIER	6.7	5.0	6.7	7.7	6.3	7.7	6.0	6.6
APR 1234	6.3	5.3	6.7	7.7	5.5	7.7	5.7	6.4
DP 17-9496	5.0	5.3	8.0	6.3	5.5	7.0	4.7	6.0
LINN	4.0	4.3	6.3	5.7	5.3	7.0	4.0	5.2
LSD VALUE	1.3	0.8	1.8	1.1	1.0	0.8	0.8	0.4
C.V. (%)	10.1	8.4	14.9	8.3	14.7	6.2	7.6	10.8

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

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

TABLE 16. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	NAME	MI1
YATSUGREEN	91.7	ELFKIN	80.0
STELLAR (CIS-PR-72)	90.0	LINN	80.0
KOOS R-71	88.3	MANHATTAN 3	80.0
PHANTOM 2	88.3	MB 414 (ABT-99-4.903)	80.0
ALL STAR (CIS-PR-78)	86.7	PASSPORT	80.0
KOKOMO (CIS-PR-69)	86.7	PROWLER (APR 777)	80.0
DP 17-9496	86.7	MANHATTAN 4 (EST-2CRL)	80.0
EXACTA	86.7	PST-2CRR	80.0
MB 410 (ABT-99-4.629)	86.7	PST-2JH	80.0
NJ-6401	86.7	ABT-99-4.464	78.3
AFFINITY	85.0	ABT-99-4.600	78.3
AFFIRMED	85.0	ASCEND	78.3
JET	85.0	CALYPSO II	78.3
MB 411 (ABT-99-4.753)	85.0	DP 17-9391	78.3
NEXUS	85.0	LPR 98-144	78.3
PST-2RT	85.0	PACESETTER (6011)	78.3
SR 4500	85.0	PALMER III	78.3
SRX 4120	85.0	PICK EX2	78.3
ABT-99-4.115	83.3	PICK MDR	78.3
AMAZING (B1)	83.3	PST-2BR	78.3
BUCCANEER	83.3	SRX 4820	78.3
BY-100	83.3	UT-1000 (ABT-99-4.709)	78.3
CHARGER II	83.3	WVPB-R-82	78.3
CIS-PR-75	83.3	ADMIRE (JR-151)	76.7
DP 17-9069	83.3	BARLENNIUM	76.7
LPR 98-143	83.3	BRIGHTSTAR II	76.7
PARAGON	83.3	CATHEDRAL II	76.7
PIZZAZZ	83.3	CIS-PR-84	76.7
SEVILLE II	83.3	DIVINE	76.7
SRX 4RHT	83.3	EP53	76.7
ABT-99-4.724	81.7	FIESTA 3	76.7
ALLSPORT	81.7	GALAXY (JR-128)	76.7
CATALINA	81.7	PENNANT II	76.7
DLF-LDD	81.7	PICK PR B-97	76.7
EDGE	81.7	PICK PR QH-97	76.7
MAJESTY	81.7	PINNACLE II (EAR 9 B2)	76.7
MB 413 (ABT-99-4.633)	81.7	BRIGHTSTAR SLT (PST-2A6B)	76.7
MONTEREY II (JR-187)	81.7	PST-2L96	76.7
PREMIER	81.7	PST-2LA	76.7
PREMIER II	81.7	WVPB-R-84	76.7
PST-2M4	81.7	ABT-99-4.834	75.0
SECRETARIAT	81.7	APR 776	75.0
ABT-99-4.560	80.0	CAS-LP84	75.0
APPLAUD (PENNINGTON-11301)	80.0	PICK RC2	75.0
APR 1235	80.0	DP LP-1	75.0

TABLE 16. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS

NAME	MI1
HEADSTART	75.0
LINE DRIVE	75.0
R8000	75.0
SRX 4801	75.0
WILMINGTON	75.0
ABT-99-4.339	73.3
APR 1231	73.3
APR 1237	73.3
CHARISMATIC (LTP 98-501)	73.3
CHURCHILL	73.3
CABO (CIS-PR-80)	73.3
EXTREME (JR-317)	73.3
MB 412 (ABT-99-4.461)	73.3
PANTHER	73.3
PROMISE	73.3
PST-2SBE	73.3
PST-CATS	73.3
APR 1232	71.7
APR 1234	71.7
SUPERSTAR (EP57)	71.7
PARADIGM (APR 1236)	71.7
PLEASURE XL	71.7
PROSPORT (AG-P981)	71.7
ROBERTS-627	71.7
APR 1233	70.0
EPD	70.0
MEPY	70.0
MP107	70.0
PST-2SLX	70.0
RACER	70.0
RADIANT	70.0
SKYHAWK	70.0
A5C (ABT-99-4.960)	68.3
GATOR 3 (CIS-PR-85)	68.3
MP103	68.3
MP88	66.7
PICK PR 1-94	66.7
PICK PRNGS	63.3
LTP-ME	61.7
MDP	61.7
LSD VALUE	12.3
C.V. (%)	9.8

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

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

TABLE 17. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/								
NAME	MI1	WA4	MEAN	NAME	MI1	WA4	MEAN	
PENNANT II	95.0	90.0	92.5	APR 1237	90.0	86.7	88.3	
PICK RC2	91.7	91.7	91.7	APR 776	91.7	85.0	88.3	
PST-2LA	91.7	91.7	91.7	BRIGHTSTAR II	91.7	85.0	88.3	
MB 410 (ABT-99-4.629)	93.3	90.0	91.7	DLF-LDD	95.0	81.7	88.3	
PICK EX2	93.3	90.0	91.7	MANHATTAN 3	95.0	81.7	88.3	
AMAZING (B1)	91.7	90.0	90.8	PREMIER II	91.7	85.0	88.3	
CATALINA	91.7	90.0	90.8	PROWLER (AER 777)	91.7	85.0	88.3	
CATHEDRAL II	91.7	90.0	90.8	PST-2M4	95.0	81.7	88.3	
EXACTA	91.7	90.0	90.8	RADIANT	90.0	86.7	88.3	
PACESETTER (6011)	91.7	90.0	90.8	ABT-99-4.115	93.3	83.3	88.3	
ROBERTS-627	95.0	86.7	90.8	AFFIRMED	93.3	83.3	88.3	
ABT-99-4.600	93.3	88.3	90.8	PICK MDR	93.3	83.3	88.3	
CHARGER II	93.3	88.3	90.8	STELLAR (CIS-PR-72)	93.3	83.3	88.3	
GATOR 3 (CIS-PR-85)	93.3	88.3	90.8	YATSUGREEN	93.3	83.3	88.3	
LPR 98-144	93.3	88.3	90.8	ABT-99-4.464	91.7	83.3	87.5	
PANTHER	93.3	88.3	90.8	ADMIRE (JR-151)	91.7	83.3	87.5	
ABT-99-4.560	93.3	86.7	90.0	APR 1231	90.0	85.0	87.5	
APR 1235	91.7	88.3	90.0	CAS-LP84	95.0	80.0	87.5	
CALYPSO II	93.3	86.7	90.0	CHURCHILL	88.3	86.7	87.5	
ELFKIN	91.7	88.3	90.0	DIVINE	93.3	81.7	87.5	
NJ-6401	91.7	88.3	90.0	EPD	93.3	81.7	87.5	
PST-2BR	93.3	86.7	90.0	EXTREME (JR-317)	91.7	83.3	87.5	
RACER	90.0	90.0	90.0	PLEASURE XL	90.0	85.0	87.5	
SEVILLE II	95.0	85.0	90.0	PROMISE	88.3	86.7	87.5	
SRX 4820	93.3	86.7	90.0	PST-2RT	93.3	81.7	87.5	
FIESTA 3	91.7	86.7	89.2	ASCEND	91.7	81.7	86.7	
PALMER III	91.7	86.7	89.2	MAJESTY	91.7	81.7	86.7	
PHANTOM	91.7	86.7	89.2	MEPY	91.7	81.7	86.7	
MANHATTAN 4 (PST-2CRL)	91.7	86.7	89.2	PASSPORT	91.7	81.7	86.7	
PST-CATS	91.7	86.7	89.2	PST-2L96	91.7	81.7	86.7	
R8000	91.7	86.7	89.2	SRX 4801	91.7	81.7	86.7	
SKYHAWK	91.7	86.7	89.2	ABT-99-4.834	90.0	83.3	86.7	
ABT-99-4.339	95.0	83.3	89.2	EDGE	90.0	83.3	86.7	
APR 1233	93.3	85.0	89.2	PICK PR QH-97	90.0	83.3	86.7	
BARLENNIUM	90.0	88.3	89.2	PINNACLE II (BAR 9 B2)	88.3	85.0	86.7	
DP LP-1	93.3	85.0	89.2	SR 4500	95.0	78.3	86.7	
GALAXY (JR-128)	93.3	85.0	89.2	SRX 4120	90.0	83.3	86.7	
HEADSTART	90.0	88.3	89.2	WILMINGTON	88.3	85.0	86.7	
MONTEREY II (JR-187)	93.3	85.0	89.2	PICK PR 1-94	90.7	81.7	86.2	
MP103	93.3	85.0	89.2	ABT-99-4.724	91.7	80.0	85.8	
MP107	93.3	85.0	89.2	APR 1232	90.0	81.7	85.8	
PARAGON	93.3	85.0	89.2	BUCCANEER	91.7	80.0	85.8	
PIZZAZZ	90.0	88.3	89.2	CHARISMATIC (LTP 98-501)	91.7	80.0	85.8	
SRX 4RHT	93.3	85.0	89.2	KOKOMO (CIS-PR-69)	90.0	81.7	85.8	
APPLAUD (PENNINGTON-11301)	91.7	85.0	88.3	CIS-PR-75	90.0	81.7	85.8	



TABLE 17. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS			
NAME	MI1	WA4	MEAN
CIS-PR-84	86.7	85.0	85.8
LTP-ME	91.7	80.0	85.8
MF88	91.7	80.0	85.8
BRIGHTSTAR SLT (PST-2A6B)	91.7	80.0	85.8
PST-2JH	91.7	80.0	85.8
SECRETARIAT	90.0	81.7	85.8
UT-1000 (ABT-99-4.709)	90.0	81.7	85.8
BY-100	93.3	78.3	85.8
NEXUS	93.3	78.3	85.8
PICK PR B-97	93.3	78.3	85.8
WVPB-R-84	93.3	78.3	85.8
MDP	90.0	80.7	85.3
ALL STAR <sup>2</sup> (CIS-PR-78)	91.7	78.3	85.0
AER 1234	88.3	81.7	85.0
DP 17-9069	91.7	78.3	85.0
DP 17-9391	90.0	80.0	85.0
DP 17-9496	90.0	80.0	85.0
EF53	90.0	80.0	85.0
SUPERSTAR (EP57)	90.0	80.0	85.0
JET	90.0	80.0	85.0
LER 98-143	91.7	78.3	85.0
MB 411 (ABT-99-4.753)	91.7	78.3	85.0
MB 414 (ABT-99-4.903)	90.0	80.0	85.0
PICK PRNGS	90.0	80.0	85.0
PST-2SBE	88.3	81.7	85.0
PST-2SLX	91.7	78.3	85.0
KOOS R-71	91.7	76.7	84.2
PST-2CRR	91.7	76.7	84.2
AFFINITY	88.3	80.0	84.2
CABO (CIS-PR-80)	88.3	80.0	84.2
LINE DRIVE	90.0	78.3	84.2
MB 412 (ABT-99-4.461)	90.0	78.3	84.2
WVPB-R-82	90.0	78.3	84.2
A5C (ABT-99-4.960)	90.0	76.7	83.3
PROSPORT (AG-P981)	90.0	76.7	83.3
PREMIER	88.3	78.3	83.3
ALLSPORT	91.7	73.3	82.5
MB 413 (ABT-99-4.633)	90.0	75.0	82.5
PARADIGM (APR 1236)	90.0	75.0	82.5
LINN	86.7	73.3	80.0
LSD VALUE	5.2	10.9	6.1
C.V. (%)	3.5	8.2	6.1

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

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

TABLE 18. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	CA6	KY1	MI1	NS1	MEAN
MONTEREY II (JR-187)	97.7	97.7	90.0	95.0	95.1
GATOR 3 (CIS-PR-85)	99.0	99.0	91.7	90.0	94.9
STELLAR (CIS-PR-72)	97.7	98.7	91.7	91.7	94.9
PICK PR B-97	99.0	97.7	91.7	90.0	94.6
PST-2RT	98.3	98.7	91.7	89.7	94.6
SRX 4801	98.3	98.7	93.3	88.0	94.6
RADIANT	98.3	98.7	91.7	88.3	94.3
APPLAUD (PENNINGTON-11301)	99.0	99.0	90.0	88.3	94.1
EP53	99.0	95.3	88.3	93.3	94.0
CIS-PR-84	99.0	95.0	90.0	91.7	93.9
MAJESTY	98.3	99.0	90.0	88.3	93.9
SECRETARIAT	99.0	96.0	88.3	91.3	93.7
APR 1237	99.0	98.7	90.0	86.7	93.6
MANHATTAN 3	99.0	98.7	91.7	85.0	93.6
PARAGON	99.0	96.7	91.7	86.7	93.5
CATHEDRAL II	97.7	94.7	91.7	90.0	93.5
CHURCHILL	98.3	99.0	90.0	86.7	93.5
R8000	98.3	99.0	91.7	85.0	93.5
ELFKIN	97.7	97.7	91.7	86.7	93.4
SR 4500	99.0	97.7	90.0	86.7	93.3
ADMIRE (JR-151)	99.0	97.7	91.7	84.7	93.3
PHANTOM	98.3	95.7	90.0	88.3	93.1
PREMIER	98.3	94.3	86.7	93.0	93.1
PLEASURE XL	97.7	97.7	90.0	86.7	93.0
BARLENNIUM	99.0	96.3	90.0	86.7	93.0
DP LP-1	99.0	96.3	90.0	86.7	93.0
JET	97.7	99.0	90.0	85.0	92.9
PST-2BR	97.7	99.0	93.3	81.7	92.9
PST-CATS	97.7	98.7	90.0	85.0	92.8
ABT-99-4.115	98.3	96.3	90.0	86.7	92.8
PROWLER (APR 777)	99.0	99.0	90.0	83.3	92.8
MP88	99.0	93.7	91.7	86.7	92.8
ABT-99-4.339	98.3	99.0	90.0	83.3	92.7
SEVILLE II	98.3	97.3	90.0	85.0	92.7
LINE DRIVE	96.3	99.0	88.3	86.7	92.6
PICK EX2	97.7	91.3	90.0	91.3	92.6
ABT-99-4.560	97.7	99.0	91.7	81.7	92.5
PREMIER II	99.0	97.7	91.7	81.7	92.5
WVPB-R-84	96.3	94.0	90.0	89.7	92.5
FIESTA 3	99.0	99.0	91.7	80.0	92.4
PST-2M4	97.7	99.0	90.0	83.0	92.4
DP 17-9391	99.0	98.7	90.0	81.7	92.3
PICK PRNGS	99.0	98.7	90.0	81.7	92.3
YATSUGREN	99.0	98.7	90.0	81.7	92.3
ALL STAR (CIS-PR-78)	96.7	97.7	91.7	83.3	92.3

TABLE 18.  
(CONT'D)

PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
2000 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS

NAME	CA6	KY1	MI1	NS1	MEAN
PST-2L96	98.3	99.0	91.7	80.0	92.3
ABT-99-4.464	98.3	99.0	88.3	83.3	92.3
BUCCANEER	99.0	96.3	86.7	86.7	92.2
CALYPSO II	99.0	96.3	91.7	81.7	92.2
PROMISE	98.3	98.3	90.0	81.7	92.1
AFFINITY	99.0	97.7	86.7	84.7	92.0
RACER	97.7	98.7	90.0	81.7	92.0
PICK MDR	97.0	94.3	93.3	83.3	92.0
DLF-LDD	98.3	97.7	93.3	78.3	91.9
APR 1232	98.3	98.7	90.0	80.0	91.8
CHARGER II	97.7	98.7	90.0	80.0	91.6
ASCEND	98.3	94.7	90.0	83.3	91.6
APR 1233	98.7	99.0	88.3	80.0	91.5
BRIGHTSTAR SLT (PST-2A6B)	98.3	97.7	91.7	78.3	91.5
WILMINGTON	97.7	96.7	88.3	83.3	91.5
APR 1234	97.7	96.0	86.7	85.0	91.3
DIVINE	98.3	98.7	91.7	76.7	91.3
LPR 98-144	98.3	90.3	90.0	86.7	91.3
PST-2SLX	98.3	98.7	90.0	78.3	91.3
AFFIRMED	98.3	97.7	90.0	78.7	91.2
MB 413 (ABT-99-4.633)	97.7	95.3	90.0	81.7	91.2
PICK PR QH-97	97.7	96.7	90.0	80.0	91.1
PST-2JH	98.3	97.7	88.3	80.0	91.1
APR 776	98.3	99.0	90.0	76.7	91.0
BY-100	97.7	95.0	90.0	81.3	91.0
GALAXY (JR-128)	97.7	96.3	90.0	80.0	91.0
CAS-LP84	97.7	94.3	90.0	81.7	90.9
APR 1231	99.0	92.7	90.0	81.7	90.8
DP 17-9496	99.0	94.7	85.0	84.7	90.8
PST-2SBE	97.7	97.3	90.0	78.3	90.8
APR 1235	97.7	97.0	90.0	78.3	90.8
PENNANT II	96.3	92.0	90.0	84.7	90.8
KOKOMO (CIS-PR-69)	98.3	97.7	90.0	76.7	90.7
CABO (CIS-PR-80)	98.3	97.7	90.0	76.7	90.7
PACESETTER (6011)	97.0	99.0	90.0	76.7	90.7
PARADIGM (APR 1236)	97.0	99.0	86.7	80.0	90.7
SRX 4RHT	97.7	96.3	91.7	76.7	90.6
AMAZING (B1)	98.3	99.0	93.3	71.7	90.6
UT-1000 (ABT-99-4.709)	98.3	97.3	90.0	76.7	90.6
ABT-99-4.834	97.7	99.0	90.0	75.0	90.4
ABT-99-4.724	98.3	98.3	91.7	73.3	90.4
SRX 4820	99.0	99.0	91.7	71.7	90.3
MB 414 (ABT-99-4.903)	98.3	95.0	90.0	78.0	90.3
CHARISMATIC (LTP 98-501)	99.0	98.7	90.0	73.3	90.3
PST-2CRR	97.7	90.0	90.0	83.3	90.3

TABLE 18. PERCENT LIVING GROUND COVER (FALL) RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS					
NAME	CA6	KY1	MI1	NS1	MEAN
PICK RC2	98.3	97.3	90.0	75.0	90.2
ROBERTS-627	98.3	96.7	93.3	71.7	90.0
MB 411 (ABT-99-4.753)	98.3	97.7	90.0	73.3	89.8
MP107	98.3	92.7	90.0	78.3	89.8
BRIGHTSTAR II	99.0	93.0	91.7	75.0	89.7
CIS-PR-75	99.0	96.3	90.0	73.3	89.7
MANHATTAN 4 (PST-2CRL)	97.7	95.3	90.0	75.0	89.5
PIZZAZZ	98.3	98.7	91.7	68.3	89.3
SRX 4120	99.0	96.3	90.0	71.7	89.3
MDP	97.0	96.3	91.7	71.7	89.2
MP103	98.3	88.3	90.0	80.0	89.2
ABT-99-4.600	97.7	98.3	91.7	68.3	89.0
EXACTA	99.0	99.0	90.0	68.0	89.0
ALLSPORT	97.7	78.0	91.7	88.3	88.9
DP 17-9069	99.0	98.7	88.3	69.7	88.9
EXTREME (JR-317)	98.3	93.7	91.7	71.7	88.8
EPD	99.0	97.3	90.0	68.3	88.7
NJ-6401	99.0	98.7	90.0	66.7	88.6
MEPY	97.7	83.3	90.0	83.3	88.6
CATALINA	99.0	88.3	90.0	76.7	88.5
EDGE	97.7	96.0	88.3	71.7	88.4
MB 410 (ABT-99-4.629)	99.0	99.0	90.0	65.0	88.3
MB 412 (ABT-99-4.461)	97.0	99.0	91.7	65.0	88.2
A5C (ABT-99-4.960)	97.7	93.0	90.0	71.7	88.1
SUPERSTAR (EP57)	97.7	96.3	90.0	68.3	88.1
SKYHAWK	96.3	96.0	88.3	71.7	88.1
LPR 98-143	97.7	97.7	90.0	66.7	88.0
PINNACLE II (BAR 9 B2)	98.3	95.0	90.0	66.7	87.5
NEXUS	97.7	97.7	90.0	63.3	87.2
HEADSTART	95.7	85.0	90.0	75.0	86.4
KOOS R-71	99.0	67.0	90.0	86.3	85.6
PST-2LA	97.0	98.7	85.7	60.0	85.3
PROSPORT (AG-P981)	97.0	85.7	91.7	65.0	84.8
PANTHER	99.0	68.3	90.0	81.7	84.8
LTP-ME	98.3	85.7	88.3	63.3	83.9
PALMER III	98.3	62.7	90.0	83.3	83.6
PICK PR 1-94	98.3	68.0	90.0	73.3	82.4
WVPB-R-82	97.7	60.7	88.3	78.3	81.3
PASSPORT	98.3	79.0	91.7	55.0	81.0
LINN	99.0	38.3	81.7	65.0	71.0
LSD VALUE	1.9	13.1	3.7	22.1	6.5
C.V. (%)	1.2	8.6	2.6	17.2	8.9

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

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

TABLE 19.

WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	VA1	WA4	MEAN	NAME	VA1	WA4	MEAN
ABT-99-4.724	8.0	8.0	8.0	MB 410 (ABT-99-4.629)	7.0	7.3	7.2
A5C (ABT-99-4.960)	8.0	8.0	8.0	MEPY	7.0	7.3	7.2
NEXUS	8.0	8.0	8.0	PENNANT II	7.0	7.3	7.2
AMAZING (B1)	7.7	8.0	7.8	PLEASURE XL	7.0	7.3	7.2
MB 412 (ABT-99-4.461)	7.7	8.0	7.8	APR 1237	6.7	7.3	7.0
RADIANT	7.7	8.0	7.8	EXACTA	6.3	7.7	7.0
ROBERTS-627	7.7	8.0	7.8	FIESTA 3	6.3	7.7	7.0
CIS-PR-84	7.7	7.7	7.7	MP103	6.0	8.0	7.0
LTP-ME	8.3	7.0	7.7	MP88	6.3	7.7	7.0
PICK MDR	7.7	7.7	7.7	PACESETTER (6011)	6.3	7.7	7.0
ABT-99-4.834	7.3	8.0	7.7	PROMISE	6.3	7.7	7.0
ALL STAR (CIS-PR-78)	7.3	8.0	7.7	MANHATTAN 4 (PST-2CRL)	6.3	7.7	7.0
APPLAUD (PENNINGTON-11301)	7.3	8.0	7.7	PST-2LA	6.3	7.7	7.0
CHARISMATIC (LTP 98-501)	7.3	8.0	7.7	SKYHAWK	6.0	8.0	7.0
KOKOMO (CIS-PR-69)	7.3	8.0	7.7	SRX 4820	6.3	7.7	7.0
CABO (CIS-PR-80)	7.3	8.0	7.7	UT-1000 (ABT-99-4.709)	6.7	7.3	7.0
MB 413 (ABT-99-4.633)	7.3	8.0	7.7	LPR 98-143	6.7	7.0	6.8
PINNACLE II (BAR 9 B2)	7.3	8.0	7.7	PST-2JH	6.7	7.0	6.8
PIZZAZZ	7.3	8.0	7.7	RACER	6.0	7.7	6.8
PST-2BR	7.3	8.0	7.7	ABT-99-4.115	6.3	7.3	6.8
WILMINGTON	7.3	8.0	7.7	ASCEND	6.3	7.3	6.8
CIS-PR-75	7.0	8.0	7.5	LINE DRIVE	6.3	7.3	6.8
GATOR 3 (CIS-PR-85)	7.0	8.0	7.5	MANHATTAN 3	6.3	7.3	6.8
JET	7.3	7.7	7.5	NJ-6401	6.3	7.3	6.8
MB 414 (ABT-99-4.903)	7.3	7.7	7.5	PROSPORT (AG-P981)	6.3	7.3	6.8
MDP	7.0	8.0	7.5	PST-2M4	6.3	7.3	6.8
PICK PR B-97	7.0	8.0	7.5	EPD	5.7	7.7	6.7
PICK PR QH-97	7.3	7.7	7.5	ABT-99-4.464	6.3	7.0	6.7
SRX 4RHT	7.0	8.0	7.5	APR 1235	6.0	7.3	6.7
STELLAR (CIS-PR-72)	7.3	7.7	7.5	CAS-LP84	6.3	7.0	6.7
ABT-99-4.560	7.0	7.7	7.3	DIVINE	6.3	7.0	6.7
BRIGHTSTAR II	6.7	8.0	7.3	SUPERSTAR (EP57)	6.0	7.3	6.7
DLF-LDD	7.0	7.7	7.3	PALMER III	6.3	7.0	6.7
MB 411 (ABT-99-4.753)	6.7	8.0	7.3	PARADIGM (APR 1236)	6.0	7.3	6.7
PICK PR 1-94	6.7	8.0	7.3	PICK PRNGS	6.0	7.3	6.7
BRIGHTSTAR SLT (PST-2A6B)	6.7	8.0	7.3	PST-2CRR	6.3	7.0	6.7
PST-2SLX	6.7	8.0	7.3	PST-2SBE	6.3	7.0	6.7
R8000	7.0	7.7	7.3	APR 1234	5.7	7.3	6.5
SEVILLE II	6.7	8.0	7.3	CATALINA	6.0	7.0	6.5
SRX 4801	7.0	7.7	7.3	CATHEDRAL II	6.0	7.0	6.5
CHURCHILL	6.7	7.7	7.2	ELFKIN	5.7	7.3	6.5
MP107	6.7	7.7	7.2	EP53	5.7	7.3	6.5
PARAGON	6.7	7.7	7.2	EXTREME (JR-317)	6.0	7.0	6.5
PST-2L96	6.7	7.7	7.2	MAJESTY	6.0	7.0	6.5

TABLE 19. WINTER COLOR RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) 2000 DATA  
 WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION

NAME	VA1	WA4	MEAN
PHANTOM	6.0	7.0	6.5
FST-CATS	6.0	7.0	6.5
SECRETARIAT	5.7	7.3	6.5
ABT-99-4.339	6.0	6.7	6.3
BARLENNIUM	6.0	6.7	6.3
PICK RC2	6.0	6.7	6.3
PROWLER (APR 777)	5.7	7.0	6.3
SR 4500	5.7	7.0	6.3
ADMIRE (JR-151)	5.3	7.3	6.3
SRX 4120	6.3	6.3	6.3
APR 1233	5.7	6.7	6.2
KOOS R-71	5.7	6.7	6.2
MONTEREY II (JR-187)	5.7	6.7	6.2
PREMIER II	5.7	6.7	6.2
AFFIRMED	6.0	6.3	6.2
ALLSPORT	5.3	7.0	6.2
APR 1232	5.3	7.0	6.2
PICK EX2	6.0	6.3	6.2
PREMIER	6.0	6.3	6.2
FST-2RT	5.3	7.0	6.2
APR 776	6.0	6.0	6.0
CALYPSO II	5.7	6.3	6.0
GALAXY (JR-128)	5.3	6.7	6.0
PASSPORT	5.3	6.7	6.0
PANTHER	5.0	6.7	5.8
APR 1231	4.7	6.7	5.7
ABT-99-4.600	5.0	6.3	5.7
WVPB-R-84	4.3	7.0	5.7
CHARGER II	4.3	6.7	5.5
DP 17-9069	4.3	6.7	5.5
DP LP-1	5.0	6.0	5.5
HEADSTART	5.3	5.7	5.5
WVPB-R-82	4.7	6.3	5.5
LPR 98-144	4.7	6.0	5.3
EDGE	4.7	5.7	5.2
AFFINITY	5.0	5.3	5.2
BY-100	5.0	5.3	5.2
DP 17-9391	4.7	5.3	5.0
HUCCANEER	4.0	5.7	4.8
YATSUGREEN	4.3	5.3	4.8
DP 17-9496	3.7	5.3	4.5
LINN	3.3	5.0	4.2
LSD VALUE	1.1	0.8	0.7
C.V. (%)	10.7	6.9	8.8

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

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

TABLE 20. LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	WA3	NAME	WA3
PST-2BR	7.0	CATALINA	5.3
ROBERTS-627	7.0	EXACTA	5.3
GATOR 3 (CIS-PR-85)	6.7	GALAXY (JR-128)	5.3
KOKOMO (CIS-PR-69)	6.3	HEADSTART	5.3
NJ-6401	6.3	MB 411 (ABT-99-4.753)	5.3
PICK MDR	6.3	MB 413 (ABT-99-4.633)	5.3
PIZZAZZ	6.3	PARAGON	5.3
SRX 4801	6.3	PREMIER II	5.3
ABT-99-4.834	6.0	PST-2LA	5.3
A5C (ABT-99-4.960)	6.0	PST-2SBE	5.3
AMAZING (B1)	6.0	RADIANT	5.3
APPLAUD (PENNINGTON-11301)	6.0	SRX 4820	5.3
BRIGHTSTAR II	6.0	UT-1000 (ABT-99-4.709)	5.3
CIS-PR-75	6.0	WILMINGTON	5.3
CABO (CIS-PR-80)	6.0	ABT-99-4.600	5.0
CIS-PR-84	6.0	AFFIRMED	5.0
PICK PR QH-97	6.0	APR 1231	5.0
PINNACLE II (BAR 9 B2)	6.0	APR 1232	5.0
PROMISE	6.0	APR 1235	5.0
R8000	6.0	CALYPSO II	5.0
SEVILLE II	6.0	CHURCHILL	5.0
SRX 4RHT	6.0	DIVINE	5.0
ABT-99-4.115	5.7	ELFKIN	5.0
ALL STAR <sup>2</sup> (CIS-PR-78)	5.7	SUPERSTAR (EP57)	5.0
APR 1233	5.7	KOOS R-71	5.0
ASCEND	5.7	LINE DRIVE	5.0
BARLENNIUM	5.7	LPR 98-143	5.0
CHARISMATIC (LTP 98-501)	5.7	MANHATTAN 3	5.0
DLF-LDD	5.7	MB 410 (ABT-99-4.629)	5.0
FIESTA 3	5.7	MB 414 (ABT-99-4.903)	5.0
JET	5.7	MEPY	5.0
MAJESTY	5.7	MP103	5.0
MB 412 (ABT-99-4.461)	5.7	MP107	5.0
NEXUS	5.7	PENNANT II	5.0
PACESETTER (6011)	5.7	PICK PR B-97	5.0
MANHATTAN 4 (EST-2CRL)	5.7	PICK PRNGS	5.0
PST-2L96	5.7	PLEASURE XL	5.0
PST-2SLX	5.7	PROWLER (APR 777)	5.0
STELLAR (CIS-PR-72)	5.7	PST-CATS	5.0
WVPB-R-84	5.7	RACER	5.0
ABT-99-4.464	5.3	SECRETARIAT	5.0
ABT-99-4.560	5.3	SKYHAWK	5.0
ABT-99-4.724	5.3	SR 4500	5.0
APR 776	5.3	SRX 4120	5.0

TABLE 20. LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) 2000 DATA  
 LEAF SPOT RATINGS 1-9; 9=NO DISEASE

NAME	WA3
ABT-99-4.339	4.7
AFFINITY	4.7
ALLSPORT	4.7
APR 1237	4.7
CAS-LP84	4.7
PICK RC2	4.7
EP53	4.7
LPR 98-144	4.7
LTP-ME	4.7
MDP	4.7
MONTEREY II (JR-187)	4.7
PALMER III	4.7
PASSPORT	4.7
PHANTOM	4.7
PICK EX2	4.7
PICK PR 1-94	4.7
BRIGHTSTAR SLT (PST-2A6B)	4.7
PST-2CRR	4.7
PST-2JH	4.7
PST-2M4	4.7
ADMIRE (JR-151)	4.3
APR 1234	4.3
BUCCANEER	4.3
BY-100	4.3
CHARGER II	4.3
DP 17-9069	4.3
EDGE	4.3
EPD	4.3
EXTREME (JR-317)	4.3
PANTHER	4.3
PARADIGM (APR 1236)	4.3
PREMIER	4.3
PROSPORT (AG-P981)	4.3
PST-2RT	4.3
CATHEDRAL II	4.0
DP 17-9391	4.0
DP LP-1	4.0
MP88	4.0
WVPB-R-82	4.0
YATSUGREEN	4.0
DP 17-9496	3.3
LINN	3.0
LSD VALUE	1.0
C.V. (%)	12.1

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

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



TABLE 21.

STEM RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	MI1	NY2	MEAN	NAME	MI1	NY2	MEAN
ROBERTS-627	5.7	5.3	5.5	CIS-PR-75	4.0	4.3	4.2
PIZZAZZ	5.3	5.3	5.3	ELFKIN	4.3	4.0	4.2
PST-2BR	4.7	5.7	5.2	SRX 4801	4.3	4.0	4.2
ABT-99-4.724	4.3	6.0	5.2	DLF-LDD	3.7	4.3	4.0
AMAZING (B1)	5.0	5.0	5.0	EP53	3.0	5.0	4.0
APPLAUD (PENNINGTON-11301)	4.7	5.3	5.0	LINE DRIVE	3.3	4.7	4.0
MB 413 (ABT-99-4.633)	5.3	4.7	5.0	MB 410 (ABT-99-4.629)	3.7	4.3	4.0
BRIGHTSTAR II	4.0	5.7	4.8	MP107	3.0	5.0	4.0
PST-2LA	5.0	4.7	4.8	PANTHER	3.0	5.0	4.0
PICK MDR	4.3	5.3	4.8	PARAGON	4.0	4.0	4.0
KOKOMO (CIS-PR-69)	3.7	5.7	4.7	PROMISE	4.0	4.0	4.0
GATOR 3 (CIS-PR-85)	4.7	4.7	4.7	PST-2RT	3.7	4.3	4.0
LTP-ME	3.7	5.7	4.7	SEVILLE II	3.7	4.3	4.0
CIS-PR-84	4.0	5.3	4.7	SKYHAWK	3.0	5.0	4.0
PINNACLE II (BAR 9 B2)	4.0	5.3	4.7	APR 1233	3.0	4.7	3.8
MANHATTAN 4 (PST-2CRL)	4.3	5.0	4.7	MP103	3.0	4.7	3.8
STELLAR (CIS-PR-72)	4.3	5.0	4.7	RACER	3.0	4.7	3.8
ABT-99-4.115	3.7	5.3	4.5	A5C (ABT-99-4.960)	3.3	4.3	3.8
ALL STAR (CIS-PR-78)	4.0	5.0	4.5	ASCEND	3.3	4.3	3.8
CHARISMATIC (LTP 98-501)	4.3	4.7	4.5	BARLENNIUM	3.7	4.0	3.8
PENNANT II	4.0	5.0	4.5	CATALINA	4.0	3.7	3.8
PST-2L96	4.0	5.0	4.5	CHURCHILL	3.3	4.3	3.8
PST-2SBE	4.0	5.0	4.5	EXACTA	3.7	4.0	3.8
SRX 4820	4.0	5.0	4.5	FIESTA 3	3.3	4.3	3.8
WILMINGTON	3.3	5.7	4.5	JET	3.7	4.0	3.8
PACESETTER (6011)	4.0	4.7	4.3	MANHATTAN 3	3.7	4.0	3.8
PALMER III	4.0	4.7	4.3	MB 412 (ABT-99-4.461)	3.7	4.0	3.8
PICK PR B-97	4.0	4.7	4.3	MP88	3.3	4.3	3.8
PST-2M4	4.0	4.7	4.3	NJ-6401	3.7	4.0	3.8
SRX 4RHT	4.7	4.0	4.3	PICK PR QH-97	3.7	4.0	3.8
ABT-99-4.560	3.3	5.3	4.3	BRIGHTSTAR SLT (PST-2A6B)	4.0	3.7	3.8
CHARGER II	3.7	5.0	4.3	RADIANT	3.7	4.0	3.8
PROSPORT (AG-P981)	3.3	5.3	4.3	SR 4500	3.7	4.0	3.8
UT-1000 (ABT-99-4.709)	3.3	5.3	4.3	SRX 4120	3.3	4.3	3.8
ABT-99-4.464	3.3	5.0	4.2	CAS-LP84	3.3	4.0	3.7
ALLSPORT	3.3	5.0	4.2	WVPB-R-84	2.7	4.7	3.7
MDP	3.3	5.0	4.2	ABT-99-4.600	3.0	4.3	3.7
NEXUS	3.7	4.7	4.2	AFFIRMED	3.0	4.3	3.7
PARADIGM (APR 1236)	3.3	5.0	4.2	PICK RC2	3.0	4.3	3.7
PHANTOM	3.3	5.0	4.2	DP 17-9391	3.0	4.3	3.7
PST-2CRR	3.7	4.7	4.2	KOOS R-71	3.0	4.3	3.7
PST-2SLX	3.7	4.7	4.2	LPR 98-143	3.7	3.7	3.7
R8000	3.3	5.0	4.2	MB 411 (ABT-99-4.753)	3.7	3.7	3.7
ABT-99-4.834	4.0	4.3	4.2	PREMIER	3.0	4.3	3.7

TABLE 21. STEM RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA  
STEM RUST RATINGS 1-9; 9=NO DISEASE

NAME	MI1	NY2	MEAN
AFR 1231	3.0	4.0	3.5
AFR 1235	3.3	3.7	3.5
AFR 1237	3.0	4.0	3.5
CALYPSO II	3.0	4.0	3.5
CATHEDRAL II	3.0	4.0	3.5
CABO (CIS-PR-80)	3.3	3.7	3.5
DIVINE	3.3	3.7	3.5
SUPERSTAR (EP57)	3.3	3.7	3.5
EFD	3.3	3.7	3.5
EXTREME (JR-317)	3.7	3.3	3.5
MAJESTY	3.0	4.0	3.5
MB 414 (ABT-99-4.903)	3.7	3.3	3.5
MEPY	3.3	3.7	3.5
MONTEREY II (JR-187)	3.0	4.0	3.5
PICK PR 1-94	3.7	3.3	3.5
PROWLER (APR 777)	3.0	4.0	3.5
PST-2JH	3.3	3.7	3.5
PST-CATS	3.0	4.0	3.5
SECRETARIAT	3.3	3.7	3.5
YATSUGREEN	3.0	4.0	3.5
AFR 776	3.3	3.3	3.3
LFR 98-144	3.3	3.3	3.3
ADMIRE (JR-151)	3.0	3.7	3.3
DP 17-9069	3.0	3.7	3.3
DP LP-1	2.7	4.0	3.3
PICK PRNGS	3.7	3.0	3.3
PLEASURE XL	3.0	3.7	3.3
PREMIER II	3.0	3.7	3.3
WVPB-R-82	3.0	3.7	3.3
AFFINITY	3.0	3.3	3.2
AFR 1232	3.0	3.3	3.2
AFR 1234	2.3	4.0	3.2
DP 17-9496	2.3	4.0	3.2
GALAXY (JR-128)	3.0	3.3	3.2
LINN	2.3	4.0	3.2
BY-100	3.0	3.0	3.0
EDGE	2.7	3.3	3.0
HEADSTART	3.0	3.0	3.0
PASSPORT	3.0	3.0	3.0
PICK EX2	3.0	3.0	3.0
BUCCANEER	2.7	3.0	2.8
LSD VALUE	1.0	1.9	1.1
C.V. (%)	17.8	26.7	23.6

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

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

TABLE 22. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
 2000 DATA  
 DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJI	NAME	NJI
AMAZING (B1)	8.3	PICK PR QH-97	6.3
APPLAUD (PENNINGTON-11301)	8.3	PST-2BR	6.3
CHARISMATIC (LTP 98-501)	7.7	PST-2L96	6.3
CIS-PR-84	7.7	PST-2RT	6.3
PICK MDR	7.7	SECRETARIAT	6.3
PINNACLE II (BAR 9 B2)	7.7	SR 4500	6.3
ABT-99-4.834	7.3	ABT-99-4.560	6.0
KOKOMO (CIS-PR-69)	7.3	CHURCHILL	6.0
DLF-LDD	7.3	CIS-PR-75	6.0
NJ-6401	7.3	PICK RC2	6.0
STELLAR (CIS-PR-72)	7.3	DIVINE	6.0
ABT-99-4.115	7.0	DP 17-9391	6.0
ALL STAR (CIS-PR-78)	7.0	MAJESTY	6.0
JET	7.0	MB 410 (ABT-99-4.629)	6.0
NEXUS	7.0	PARADIGM (APR 1236)	6.0
PACESETTER (6011)	7.0	PICK PR B-97	6.0
PIZZAZZ	7.0	PICK PRNGS	6.0
PST-2M4	7.0	PROMISE	6.0
PST-2SLX	7.0	YATSUGREEN	6.0
ROBERTS-627	7.0	ABT-99-4.339	5.7
SRX 4801	7.0	APR 1237	5.7
ABT-99-4.464	6.7	APR 776	5.7
BARLENNIUM	6.7	FIESTA 3	5.7
MB 412 (ABT-99-4.461)	6.7	MANHATTAN 3	5.7
BRIGHTSTAR SLT (PST-2A6B)	6.7	MB 413 (ABT-99-4.633)	5.7
MANHATTAN 4 (PST-2CRL)	6.7	MP107	5.7
PST-2JH	6.7	PICK PR 1-94	5.7
PST-2LA	6.7	PLEASURE XL	5.7
PST-2SBE	6.7	PREMIER II	5.7
R8000	6.7	SRX 4RHT	5.7
SRX 4820	6.7	UT-1000 (ABT-99-4.709)	5.7
ABT-99-4.600	6.3	WILMINGTON	5.7
ABT-99-4.724	6.3	WVPB-R-84	5.7
ADMIRE (JR-151)	6.3	AFFINITY	5.3
APR 1231	6.3	APR 1232	5.3
BRIGHTSTAR II	6.3	APR 1233	5.3
CALYPSO II	6.3	CATALINA	5.3
EXACTA	6.3	DP LP-1	5.3
GALAXY (JR-128)	6.3	SUPERSTAR (EP57)	5.3
GATOR 3 (CIS-PR-85)	6.3	LPR 98-144	5.3
LTP-ME	6.3	PALMER III	5.3
MB 411 (ABT-99-4.753)	6.3	PHANTOM	5.3
MP88	6.3	PST-CATS	5.3
PANTHER	6.3	SEVILLE II	5.3

TABLE 22. DOLLAR SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) 2000 DATA  
 DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE

NAME	NJ1
SKYHAWK	5.3
APR 1235	5.0
BY-100	5.0
CHARGER II	5.0
CABO (CIS-PR-80)	5.0
EDGE	5.0
ELFKIN	5.0
KOOS R-71	5.0
MB 414 (ABT-99-4.903)	5.0
MONTEREY II (JR-187)	5.0
PROSPORT (AG-P981)	5.0
PROWLER (APR 777)	5.0
PST-2CRR	5.0
ALLSPORT	4.7
ASCEND	4.7
BUCCANEER	4.7
CATHEDRAL II	4.7
EPD	4.7
LPR 98-143	4.7
MEPY	4.7
PASSPORT	4.7
RACER	4.7
RADIANT	4.7
DP 17-9069	4.3
HEADSTART	4.3
PARAGON	4.3
PENNANT II	4.3
PICK EX2	4.3
AFFIRMED	4.0
APR 1234	4.0
EP53	4.0
PREMIER	4.0
A5C (ABT-99-4.960)	3.7
SRX 4120	3.7
CAS-LP84	3.3
DP 17-9496	3.3
EXTREME (JR-317)	3.3
LINE DRIVE	3.3
LINN	3.3
MDP	3.3
MP103	3.3
WVPB-R-82	3.3
LSD VALUE	1.9
C.V. (%)	21.1

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

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

TABLE 23. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	WA4	NAME	WA4
ROBERTS-627	7.0	PROWLER (APR 777)	5.0
APPLAUD (PENNINGTON-11301)	6.3	PST-2CRR	5.0
GATOR 3 (CIS-PR-85)	6.3	PST-2L96	5.0
ALL STAR (CIS-PR-78)	6.0	R8000	5.0
CALYPSO II	6.0	WILMINGTON	5.0
CIS-PR-84	6.0	WVPB-R-82	5.0
SRX 4820	6.0	YATSUGREEN	5.0
APR 1234	5.7	ABT-99-4.464	4.7
KOKOMO (CIS-PR-69)	5.7	ABT-99-4.560	4.7
CIS-PR-75	5.7	ADMIRE (JR-151)	4.7
PST-2BR	5.7	APR 1232	4.7
PST-2SLX	5.7	BRIGHTSTAR II	4.7
RADIANT	5.7	CATALINA	4.7
SRX 4RHT	5.7	CATHEDRAL II	4.7
A5C (ABT-99-4.960)	5.3	CHARGER II	4.7
APR 1231	5.3	CHARISMATIC (LTP 98-501)	4.7
CABO (CIS-PR-80)	5.3	CHURCHILL	4.7
FIESTA 3	5.3	DP 17-9496	4.7
JET	5.3	DP LP-1	4.7
MB 414 (ABT-99-4.903)	5.3	EDGE	4.7
MONTEREY II (JR-187)	5.3	LINE DRIVE	4.7
PENNANT II	5.3	LINN	4.7
PINNACLE II (BAR 9 B2)	5.3	MANHATTAN 3	4.7
PIZZAZZ	5.3	MB 413 (ABT-99-4.633)	4.7
BRIGHTSTAR SLT (PST-2A6B)	5.3	MP103	4.7
MANHATTAN 4 (PST-2CRL)	5.3	NEXUS	4.7
RACER	5.3	NJ-6401	4.7
SECRETARIAT	5.3	PANTHER	4.7
SEVILLE II	5.3	PARAGON	4.7
SRX 4801	5.3	PHANTOM	4.7
STELLAR (CIS-PR-72)	5.3	PICK PR 1-94	4.7
ALLSPORT	5.0	PICK PR B-97	4.7
BUCCANEER	5.0	PICK PR QH-97	4.7
EXACTA	5.0	PICK PRNGS	4.7
LPR 98-143	5.0	PROMISE	4.7
LPR 98-144	5.0	PST-2JH	4.7
MB 411 (ABT-99-4.753)	5.0	PST-2LA	4.7
MB 412 (ABT-99-4.461)	5.0	ABT-99-4.115	4.3
FACESETTER (6011)	5.0	ABT-99-4.600	4.3
PALMER III	5.0	ABT-99-4.724	4.3
PICK EX2	5.0	ABT-99-4.834	4.3
PICK MDR	5.0	AFFINITY	4.3
PREMIER	5.0	AFFIRMED	4.3
PROSPORT (AG-P981)	5.0	APR 1237	4.3

TABLE 23. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
2000 DATA  
RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	WA4
APR 776	4.3
PICK RC2	4.3
DIVINE	4.3
DP 17-9391	4.3
ELFKIN	4.3
EPD	4.3
EXTREME (JR-317)	4.3
GALAXY (JR-128)	4.3
KOOS R-71	4.3
LTP-ME	4.3
MAJESTY	4.3
MB 410 (ABT-99-4.629)	4.3
MP88	4.3
PASSPORT	4.3
PLEASURE XL	4.3
PST-2M4	4.3
PST-2RT	4.3
PST-2SBE	4.3
PST-CATS	4.3
SRX 4120	4.3
AMAZING (B1)	4.0
APR 1233	4.0
APR 1235	4.0
ASCEND	4.0
BARLENNIUM	4.0
BY-100	4.0
CAS-LP84	4.0
DLF-LDD	4.0
DP 17-9069	4.0
EP53	4.0
SUPERSTAR (EP57)	4.0
HEADSTART	4.0
MDP	4.0
MEPY	4.0
MP107	4.0
PREMIER II	4.0
SKYHAWK	4.0
SR 4500	4.0
WVPB-R-84	4.0
ABT-99-4.339	3.7
PARADIGM (APR 1236)	3.7
UT-1000 (ABT-99-4.709)	3.7
LSD VALUE	1.2
C.V. (%)	16.0

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

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

TABLE 24. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	NJ1	NAME	NJ1
APPLAUD (PENNINGTON-11301)	8.0	PICK PR QH-97	4.7
STELLAR (CIS-PR-72)	8.0	PST-2M4	4.7
ALL STAR (CIS-PR-78)	7.7	SKYHAWK	4.7
KOKOMO (CIS-PR-69)	7.7	ABT-99-4.464	4.3
CIS-PR-84	7.7	KOOS R-71	4.3
AMAZING (B1)	7.3	MONTEREY II (JR-187)	4.3
PINNACLE II (BAR 9 B2)	7.3	PACESETTER (6011)	4.3
PIZZAZZ	7.3	PALMER III	4.3
ROBERTS-627	7.3	PREMIER II	4.3
ABT-99-4.834	7.0	SR 4500	4.3
JET	7.0	WVPB-R-82	4.3
LTP-ME	7.0	AFFIRMED	4.0
SRX 4801	7.0	ALLSPORT	4.0
CHARISMATIC (LTP 98-501)	6.7	CALYPSO II	4.0
NJ-6401	6.7	PICK RC2	4.0
PICK MDR	6.7	PANTHER	4.0
SEVILLE II	6.7	PHANTOM	4.0
GATOR 3 (CIS-PR-85)	6.3	PLEASURE XL	4.0
SRX 4820	6.3	PROMISE	4.0
ABT-99-4.115	6.0	PROSPORT (AG-P981)	4.0
PST-2BR	6.0	PST-2SBE	4.0
YATSUGREEN	6.0	SECRETARIAT	4.0
ABT-99-4.560	5.7	WVPB-R-84	4.0
DLF-LDD	5.7	APR 1233	3.7
PST-2CRR	5.7	CATALINA	3.7
BRIGHTSTAR II	5.3	DP LP-1	3.7
DP 17-9391	5.3	ELFKIN	3.7
LINN	5.3	LPR 98-144	3.7
PST-2L96	5.3	MB 413 (ABT-99-4.633)	3.7
SRX 4RHT	5.3	MEPY	3.7
ABT-99-4.724	5.0	MP103	3.7
A5C (ABT-99-4.960)	5.0	PARADIGM (APR 1236)	3.7
DP 17-9496	5.0	PICK PRNGS	3.7
EXACTA	5.0	PST-2RT	3.7
FIESTA 3	5.0	ABT-99-4.339	3.3
PARAGON	5.0	AFFINITY	3.3
BRIGHTSTAR SLT (PST-2A6B)	5.0	APR 776	3.3
MANHATTAN 4 (PST-2CRL)	5.0	BARLENNIUM	3.3
PST-2LA	5.0	CHARGER II	3.3
PST-2SLX	5.0	DP 17-9069	3.3
R8000	5.0	SUPERSTAR (EP57)	3.3
CHURCHILL	4.7	EXTREME (JR-317)	3.3
CIS-PR-75	4.7	GALAXY (JR-128)	3.3
CABO (CIS-PR-80)	4.7	MB 412 (ABT-99-4.461)	3.3

TABLE 24. CROWN RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) 2000 DATA  
 CROWN RUST RATINGS 1-9; 9=NO DISEASE

NAME	NJ1
MP107	3.3
NEXUS	3.3
PASSPORT	3.3
PREMIER	3.3
SRX 4120	3.3
ABT-99-4.600	3.0
ADMIRE (JR-151)	3.0
ASCEND	3.0
BUCCANEER	3.0
BY-100	3.0
CAS-LP84	3.0
DIVINE	3.0
EP53	3.0
EPD	3.0
LPR 98-143	3.0
MANHATTAN 3	3.0
MDP	3.0
PENNANT II	3.0
PICK EX2	3.0
PICK PR 1-94	3.0
PST-2JH	3.0
UT-1000 (ABT-99-4.709)	3.0
CATHEDRAL II	2.7
MB 410 (ABT-99-4.629)	2.7
MB 411 (ABT-99-4.753)	2.7
MP88	2.7
PICK PR B-97	2.7
PROWLER (APR 777)	2.7
WILMINGTON	2.7
APR 1231	2.3
APR 1235	2.3
APR 1237	2.3
EDGE	2.3
MB 414 (ABT-99-4.903)	2.3
PST-CATS	2.3
RACER	2.3
RADIANT	2.3
APR 1232	2.0
APR 1234	2.0
HEADSTART	2.0
LINE DRIVE	2.0
MAJESTY	2.0
LSD VALUE	1.2
C.V. (%)	18.3

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

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



TABLE 25. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	IL2	NAME	IL2
PST-2RT	6.7	MAJESTY	5.3
R8000	6.7	PICK PR 1-94	5.3
MB 410 (ABT-99-4.629)	6.3	PICK PRNGS	5.3
PARAGON	6.3	PLEASURE XL	5.3
PST-2BR	6.3	PST-2JH	5.3
SEVILLE II	6.3	STELLAR (CIS-PR-72)	5.3
ABT-99-4.560	6.0	ABT-99-4.115	5.0
AMAZING (B1)	6.0	ABT-99-4.600	5.0
APR 1237	6.0	ABT-99-4.724	5.0
KOKOMO (CIS-PR-69)	6.0	ADMIRE (JR-151)	5.0
GATOR 3 (CIS-PR-85)	6.0	APR 1235	5.0
PACESETTER (6011)	6.0	APR 776	5.0
PICK EX2	6.0	BARLENNIUM	5.0
PST-2SBE	6.0	CHARGER II	5.0
SECRETARIAT	6.0	CIS-PR-75	5.0
SR 4500	6.0	EDGE	5.0
SRX 4801	6.0	FIESTA 3	5.0
AFFINITY	5.7	HEADSTART	5.0
AFFIRMED <sup>2</sup>	5.7	MONTEREY II (JR-187)	5.0
ALL STAR <sup>2</sup> (CIS-PR-78)	5.7	NJ-6401	5.0
APR 1233	5.7	PICK PR B-97	5.0
APR 1234	5.7	PICK PR QH-97	5.0
ASCEND	5.7	PREMIER	5.0
CALYPSO II	5.7	PREMIER II	5.0
CHARISMATIC (LTP 98-501)	5.7	PROMISE	5.0
CIS-PR-84	5.7	MANHATTAN 4 (PST-2CRL)	5.0
PICK RC2	5.7	PST-2LA	5.0
DIVINE	5.7	RACER	5.0
DLF-LDD	5.7	SRX 4120	5.0
EXACTA	5.7	UT-1000 (ABT-99-4.709)	5.0
LINE DRIVE	5.7	ABT-99-4.464	4.7
PICK MDR	5.7	ABT-99-4.834	4.7
PIZZAZZ	5.7	BY-100	4.7
BRIGHTSTAR SLT (PST-2A6B)	5.7	CATHEDRAL II	4.7
PST-2L96	5.7	CHURCHILL	4.7
ROBERTS-627	5.7	CABO (CIS-PR-80)	4.7
YATSUGREEN	5.7	DP 17-9496	4.7
ABT-99-4.339	5.3	SUPERSTAR (EP57)	4.7
APPLAUD (PENNINGTON-11301)	5.3	EXTREME (JR-317)	4.7
APR 1231	5.3	JET	4.7
APR 1232	5.3	KOOS R-71	4.7
ELFKIN	5.3	MB 412 (ABT-99-4.461)	4.7
GALAXY (JR-128)	5.3	MDP	4.7
LPR 98-144	5.3	NEXUS	4.7

TABLE 25. GRAY LEAF SPOT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) 2000 DATA  
 GRAY LEAF SPOT RATINGS 1-9; 9=NO DISEASE

NAME	IL2
PARADIGM (APR 1236)	4.7
PROWLER (APR 777)	4.7
SRX 4RHT	4.7
BRIGHTSTAR II	4.3
CATALINA	4.3
EP53	4.3
EPD	4.3
LPR 98-143	4.3
MB 411 (ABT-99-4.753)	4.3
MB 413 (ABT-99-4.633)	4.3
PHANTOM	4.3
PINNACLE II (BAR 9 B2)	4.3
PST-2CRR	4.3
PST-2M4	4.3
PST-2SLX	4.3
PST-CATS	4.3
RADIANT	4.3
SRX 4820	4.3
WILMINGTON	4.3
WVPB-R-84	4.3
A5C (ABT-99-4.960)	4.0
ALLSPORT	4.0
BUCCANEER	4.0
DP LP-1	4.0
LTP-ME	4.0
MANHATTAN 3	4.0
MB 414 (ABT-99-4.903)	4.0
MEPY	4.0
MP107	4.0
MP88	4.0
PENNANT II	4.0
SKYHAWK	4.0
WVPB-R-82	4.0
DP 17-9391	3.7
PALMER III	3.7
PASSPORT	3.7
PROSPORT (AG-P981)	3.7
DP 17-9069	3.3
MP103	3.3
PANTHER	3.3
CAS-LP84	3.0
LINN	2.3
LSD VALUE	1.5
C.V. (%)	19.2

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

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

TABLE 26. SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	WI1	NAME	WI1
ABT-99-4.115	9.0	JET	9.0
ABT-99-4.464	9.0	KOOS R-71	9.0
ABT-99-4.560	9.0	LINE DRIVE	9.0
ABT-99-4.724	9.0	LTP-ME	9.0
ABT-99-4.834	9.0	MAJESTY	9.0
A5C (ABT-99-4.960)	9.0	MANHATTAN 3	9.0
ADMIRE (JR-151)	9.0	MB 410 (ABT-99-4.629)	9.0
AFFINITY	9.0	MB 411 (ABT-99-4.753)	9.0
ALLSPORT	9.0	MB 412 (ABT-99-4.461)	9.0
AMAZING (B1)	9.0	MB 414 (ABT-99-4.903)	9.0
APPLAUD (PENNINGTON-11301)	9.0	MDP	9.0
APR 1231	9.0	MEPY	9.0
APR 1232	9.0	MONTEREY II (JR-187)	9.0
APR 1234	9.0	MP103	9.0
APR 1235	9.0	MP107	9.0
APR 1237	9.0	MP88	9.0
BARLENNIUM	9.0	NEXUS	9.0
BY-100	9.0	NJ-6401	9.0
CALYPSO II	9.0	PACESETTER (6011)	9.0
CAS-LP84	9.0	PALMER III	9.0
CATALINA	9.0	PANTHER	9.0
CATHEDRAL II	9.0	PARADIGM (APR 1236)	9.0
CHARISMATIC (LTP 98-501)	9.0	PARAGON	9.0
CHURCHILL	9.0	PASSPORT	9.0
KOKOMO (CIS-PR-69)	9.0	PENNANT II	9.0
CIS-PR-75	9.0	PHANTOM	9.0
CABO (CIS-PR-80)	9.0	PICK EX2	9.0
CIS-PR-84	9.0	PICK MDR	9.0
PICK RC2	9.0	PICK PR 1-94	9.0
DIVINE	9.0	PICK PR B-97	9.0
DLF-LDD	9.0	PICK PR QH-97	9.0
DP 17-9069	9.0	PICK PRNGS	9.0
DP 17-9391	9.0	PINNACLE II (BAR 9 B2)	9.0
DP 17-9496	9.0	PIZZAZZ	9.0
DP LP-1	9.0	PLEASURE XL	9.0
EDGE	9.0	PREMIER	9.0
ELFKIN	9.0	PROMISE	9.0
EP53	9.0	PROWLER (APR 777)	9.0
SUPERSTAR (EP57)	9.0	BRIGHTSTAR SLT (PST-2A6B)	9.0
EPD	9.0	PST-2JH	9.0
EXACTA	9.0	PST-2LA	9.0
EXTREME (JR-317)	9.0	PST-2M4	9.0
FIESTA 3	9.0	PST-2RT	9.0
GALAXY (JR-128)	9.0	PST-2SBE	9.0
HEADSTART	9.0	PST-CATS	9.0

TABLE 26. SNOW MOLD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) 2000 DATA  
 SNOW MOLD RATINGS 1-9; 9=NO DISEASE

NAME	W11
R8000	9.0
ROBERTS-627	9.0
SECRETARIAT	9.0
SEVILLE II	9.0
SKYHAWK	9.0
SR 4500	9.0
SRX 4120	9.0
SRX 4801	9.0
SRX 4820	9.0
SRX 4RHT	9.0
STELLAR (CIS-PR-72)	9.0
WILMINGTON	9.0
WVPB-R-82	9.0
YATSUGREEN	9.0
ABT-99-4.339	8.7
ABT-99-4.600	8.7
AFFIRMED	8.7
APR 1233	8.7
APR 776	8.7
BRIGHTSTAR II	8.7
GATOR 3 (CIS-PR-85)	8.7
LPR 98-143	8.7
MB 413 (ABT-99-4.633)	8.7
PREMIER II	8.7
PROSPORT (AG-P981)	8.7
PST-2CRR	8.7
PST-2L96	8.7
RACER	8.7
RADIANT	8.7
ALL STAR <sup>2</sup> (CIS-PR-78)	8.3
ASCEND	8.3
BUCCANEER	8.3
CHARGER II	8.3
LINN	8.3
LPR 98-144	8.3
MANHATTAN 4 (PST-2CRL)	8.3
PST-2SLX	8.3
UT-1000 (ABT-99-4.709)	8.3
WVPB-R-84	8.3
PST-2BR	8.0
LSD VALUE	0.5
C.V. (%)	3.6

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

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

TABLE 27. PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/ 2/  
1999 DATA

NAME	IA1	IL1	I14	ME1	NS1	UT1	WA4	MEAN
PARAGON	63.3	91.7	71.7	95.0	90.0	50.0	76.7	72.5
PASSPORT	70.0	88.3	86.7	80.0	85.0	60.0	70.0	72.3
ADMIRE (JR-151)	73.3	86.7	83.3	81.7	91.7	50.0	73.3	71.9
FIESTA 3	63.3	86.7	86.7	93.3	88.3	36.7	76.7	71.7
JET	60.0	91.7	83.3	78.3	93.3	46.7	80.0	71.7
SECRETARIAT	56.7	95.0	85.0	85.0	91.7	53.3	66.7	71.5
YATSUGREEN	66.7	85.0	81.7	75.0	96.3	40.0	80.0	71.4
BY-100	63.3	91.7	76.7	76.7	94.7	50.0	70.0	70.6
KOOS R-71	60.0	91.7	86.7	75.0	91.7	46.7	75.0	70.4
MB 413 (ABT-99-4.633)	60.0	93.3	86.7	81.7	90.0	46.7	70.0	70.2
DIVINE	60.0	88.3	80.0	76.7	91.7	53.3	66.7	70.0
AFFIRMED	73.3	91.7	88.3	83.3	93.0	30.0	63.3	69.8
LPR 98-144	53.3	86.7	85.0	91.7	86.7	36.7	76.7	69.2
BUCCANEER	66.7	83.3	88.3	78.3	90.0	43.3	61.7	69.0
DP 17-9391	73.3	83.3	81.7	75.0	91.7	36.7	70.0	68.8
EXACTA	70.0	91.7	76.7	78.3	93.0	43.3	61.7	68.7
PHANTOM	66.7	93.3	73.3	68.3	93.3	50.0	70.0	68.5
SRX 4820	60.0	80.0	83.3	93.3	85.0	40.0	70.0	68.5
MAJESTY	73.3	86.7	75.0	76.7	86.7	40.0	73.3	68.3
MB 410 (ABT-99-4.629)	63.3	95.0	83.3	75.0	90.0	36.7	66.7	68.1
NJ-6401	56.7	85.0	86.7	58.3	88.3	50.0	78.3	67.7
AFFINITY	66.7	90.0	63.3	71.7	93.3	53.3	63.3	67.5
CALYPSO II	63.3	83.3	86.7	71.7	91.7	40.0	66.7	67.5
APR 1233	70.0	95.0	78.3	80.0	86.7	36.7	56.7	67.3
LINE DRIVE	70.0	93.3	78.3	53.3	95.0	43.3	70.0	67.3
PICK RC2	60.0	91.7	70.0	81.7	88.3	40.0	68.3	67.1
RACER	63.3	83.3	90.0	70.0	93.3	36.7	63.3	67.1
CATHEDRAL II	60.0	73.3	80.0	86.7	93.0	36.7	73.3	67.0
ASCEND	63.3	90.0	78.3	78.3	91.7	26.7	63.3	66.7
PICK PRNGS	66.7	88.3	71.7	81.7	90.0	43.3	63.3	66.7
PICK PR 1-94	53.3	88.3	80.0	85.0	86.7	46.7	60.0	66.7
MONTEREY II (JR-187)	70.0	88.3	81.7	71.7	88.3	36.7	60.0	66.5
PICK EX2	53.3	91.7	68.3	71.7	90.0	50.0	70.0	66.5
WVPB-R-84	63.3	90.0	81.7	66.7	90.0	43.3	60.0	66.5
CHURCHILL	56.7	90.0	85.0	70.0	91.7	36.7	63.3	66.5
EDGE	56.7	88.3	75.0	88.3	85.0	30.0	70.0	66.5
MB 414 (ABT-99-4.903)	60.0	91.7	83.3	61.7	90.0	50.0	61.7	66.5
PALMER III	66.7	93.3	78.3	50.0	88.0	46.7	70.0	66.4
ELFKIN	60.0	78.3	80.0	70.0	88.3	46.7	66.7	66.3
MANHATTAN 3	60.0	88.3	78.3	80.0	90.0	43.3	60.0	66.3
NEXUS	63.3	81.7	78.3	66.7	83.3	50.0	71.7	66.3
PANTHER	56.7	86.7	85.0	63.3	91.7	50.0	66.7	66.3
STELLAR (CIS-PR-72)	53.3	83.3	80.0	75.0	93.3	53.3	63.3	66.3
BARLENNIUM	66.7	85.0	85.0	68.3	91.7	33.3	63.3	66.0
GALAXY (JR-128)	66.7	86.7	76.7	73.3	86.7	36.7	70.0	66.0
LINN	66.7	81.7	70.0	70.0	90.0	30.0	73.3	66.0
MB 412 (ABT-99-4.461)	56.7	93.3	85.0	60.0	86.7	40.0	63.3	66.0

TABLE 27. PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1999 DATA

NAME	IA1	IL1	I14	ME1	NS1	UT1	WA4	MEAN
SR 4500	46.7	93.3	81.7	76.7	93.3	36.7	60.0	66.0
ABT-99-4.115	56.7	88.3	86.7	63.3	94.7	46.7	56.7	66.0
PICK MDR	50.0	88.3	76.7	78.3	88.3	46.7	70.0	65.8
CHARISMATIC (LTP 98-501)	63.3	80.0	78.3	81.7	83.3	33.3	70.0	65.6
EXTREME (JR-317)	56.7	75.0	80.0	90.0	86.7	43.3	65.0	65.6
ABT-99-4.560	56.7	91.7	80.0	75.0	90.0	36.7	56.7	65.4
ALL STAR2 (CIS-PR-78)	56.7	85.0	73.3	80.0	81.7	50.0	66.7	65.4
APR 1231	63.3	91.7	76.7	71.7	86.7	30.0	63.3	65.4
ROBERTS-627	66.7	80.0	73.3	68.3	86.7	46.7	66.7	65.4
SRX 4801	66.7	85.0	71.7	80.0	85.0	43.3	56.7	65.4
MB 411 (ABT-99-4.753)	60.0	85.0	80.0	58.3	91.7	40.0	70.0	65.4
ABT-99-4.600	53.3	90.0	76.7	61.7	90.0	53.3	66.7	65.2
DP LP-1	56.7	91.7	78.3	65.0	88.3	40.0	66.7	65.2
PREMIER II	63.3	91.7	83.3	55.0	90.0	40.0	65.0	65.2
PREMIER	60.0	86.7	76.7	61.7	92.5	43.3	70.0	65.1
CATALINA	50.0	85.0	83.3	80.0	83.3	43.3	63.3	65.0
PROMISE	56.7	88.3	75.0	76.7	86.7	36.7	66.7	65.0
PROWLER (APR 777)	46.7	90.0	78.3	80.0	95.0	33.3	63.3	65.0
PST-2M4	50.0	83.3	81.7	75.0	91.7	43.3	63.3	65.0
DP 17-9496	50.0	90.0	65.0	78.3	94.7	43.3	63.3	65.0
LPR 98-143	56.7	88.3	86.7	73.3	88.3	30.0	61.7	64.8
PLEASURE XL	53.3	83.3	80.0	58.3	90.0	50.0	66.7	64.6
APR 1237	56.7	83.3	76.7	85.0	86.7	36.7	60.0	64.4
DLF-LDD	56.7	80.0	71.7	61.7	86.3	40.0	80.0	64.3
ALLSPORT	60.0	86.7	75.0	65.0	90.0	26.7	68.3	64.2
MANHATTAN (PST-2CRL)	53.3	85.0	81.7	83.3	85.0	36.7	56.7	64.2
PROSPORT (AG-P981)	53.3	90.0	73.3	76.7	83.3	40.0	63.3	64.2
HEADSTART	63.3	88.3	81.7	51.7	88.3	33.3	68.3	64.0
WVPB-R-82	60.0	90.0	78.3	55.0	93.0	40.0	63.3	63.9
KOKOMO (CIS-PR-69)	56.7	88.3	71.7	70.0	86.7	40.0	63.3	63.8
PICK PR B-97	56.7	86.7	75.0	75.0	93.3	36.7	56.7	63.5
PST-2L96	50.0	93.3	80.0	73.3	91.7	30.0	56.7	63.5
PST-2BR	66.7	80.0	76.7	45.0	93.0	46.7	66.7	63.5
GATOR 3 (CIS-PR-85)	63.3	81.7	73.3	80.0	81.7	36.7	63.3	63.1
SRX 4RHT	53.3	86.7	85.0	68.3	90.0	30.0	63.3	63.1
APPLAUD (PENNINGTON-11301)	53.3	78.3	78.3	61.7	91.3	40.0	66.7	63.1
CHARGER II	53.3	93.3	76.7	48.3	94.7	33.3	61.7	63.1
APR 1235	63.3	85.0	71.7	61.7	85.0	33.3	70.0	63.0
CIS-PR-84	53.3	76.7	75.0	81.7	83.3	40.0	56.7	62.9
PST-2LA	53.3	86.7	81.7	71.7	85.0	40.0	56.7	62.9
APR 776	53.3	86.7	80.0	78.3	88.3	26.7	56.7	62.9
PST-2RT	60.0	85.0	65.0	53.3	91.3	53.3	60.0	62.9
MEPY	46.7	80.0	81.7	76.7	88.3	40.0	55.0	62.7
WILMINGTON	56.7	76.7	81.7	58.3	90.0	36.7	63.3	62.3
AMAZING (B1)	50.0	90.0	80.0	76.7	78.3	36.7	53.3	62.1
DP 17-9069	53.3	83.3	75.0	63.3	86.7	26.7	73.3	62.1
PST-2CRR	50.0	81.7	73.3	73.3	91.7	40.0	60.0	62.1

TABLE 27. PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 1999 DATA

NAME	IA1	IL1	I14	ME1	NS1	UT1	WA4	MEAN
ABT-99-4.464	56.7	80.0	76.7	60.0	85.0	43.3	63.3	62.1
PACESETTER (6011)	60.0	66.7	75.0	76.7	89.7	43.3	63.3	62.0
ABT-99-4.339	56.7	93.3	76.7	56.7	91.7	26.7	60.0	61.9
BRIGHTSTAR II	50.0	81.7	86.7	58.3	86.7	33.3	66.7	61.9
RADIANT	50.0	86.7	86.7	50.0	91.7	30.0	66.7	61.9
ABT-99-4.834	40.0	75.0	81.7	90.0	88.3	36.7	65.0	61.9
UT-1000 (ABT-99-4.709)	53.3	83.3	73.3	51.7	91.7	46.7	56.7	61.7
PST-2SIX	53.3	68.3	83.3	66.7	91.7	40.0	60.0	61.7
APR 1234	56.7	81.7	63.3	68.3	88.3	36.7	60.0	61.7
CAS-LP84	53.3	90.0	85.0	46.7	85.0	36.7	63.3	61.7
PST-2JH	60.0	81.7	70.0	53.3	85.0	43.3	63.3	61.7
SKYHAWK	46.7	76.7	76.7	73.3	85.0	40.0	63.3	61.7
CABO (CIS-PR-80)	56.7	88.3	70.0	65.0	88.3	40.0	56.7	61.5
SUPERSTAR (EP57)	53.3	76.7	83.3	56.7	88.3	40.0	66.7	61.5
MDP	43.3	83.3	81.7	70.0	83.3	40.0	53.3	61.5
APR 1232	60.0	80.0	70.0	85.0	85.0	33.3	53.3	61.3
EP53	43.3	76.7	68.3	86.7	93.3	40.0	50.0	61.0
R8000	60.0	76.7	70.0	58.3	90.0	40.0	56.7	60.8
BRIGHTSTAR SLT (PST-2A6B)	46.7	90.0	71.7	61.7	91.7	30.0	63.3	60.6
PINNACLE II (BAR 9 B2)	56.7	81.7	78.3	51.7	88.8	33.3	61.7	60.5
PICK PR QH-97	50.0	76.7	70.0	70.0	86.7	36.7	66.7	60.4
CIS-PR-75	53.3	68.3	76.7	66.7	81.7	43.3	60.0	60.4
MP88	50.0	76.7	78.3	60.0	85.0	40.0	60.0	60.2
PENNANT II	60.0	83.3	80.0	43.3	91.3	30.0	60.0	60.2
PST-CATS	60.0	73.3	63.3	56.7	86.7	40.0	70.0	59.8
MP107	36.7	80.0	73.3	75.0	85.0	43.3	56.7	59.7
PIZZAZZ	53.3	85.0	68.3	56.7	81.7	26.7	63.3	59.6
EPD	43.3	70.0	70.0	88.3	86.7	33.3	56.7	59.6
SEVILLE II	53.3	81.7	78.3	48.3	90.0	36.7	56.7	59.6
MP103	50.0	86.7	70.0	50.0	88.3	30.0	60.0	58.3
SRX 4120	56.7	83.3	68.3	35.0	90.0	40.0	53.3	57.9
PST-2SEE	46.7	71.7	75.0	58.3	86.7	36.7	53.3	57.1
PARADIGM (APR 1236)	56.7	83.3	68.3	40.0	80.0	36.7	53.3	55.8
A5C (ABT-99-4.960)	43.3	76.7	63.3	60.0	80.0	30.0	56.7	55.2
ABT-99-4.724	33.3	73.3	65.0	20.0	81.7	30.0	46.7	46.7
LTP-ME	10.0	66.7	43.3	13.3	71.7	16.7	46.7	34.1
LSD VALUE	16.2	17.0	17.3	34.4	9.0	18.7	13.5	6.6
C.V. (%)	17.7	12.5	13.9	31.0	6.3	29.3	13.1	18.0

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

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

TABLE 28. MELTING-OUT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

MELTING-OUT (JULY) RATINGS 1-9; 9=NO DISEASE 2/

NAME	MO1	NAME	MO1
PICK RC2	6.0	PINNACLE II (BAR 9 B2)	5.0
EXACTA	6.0	PIZZAZZ	5.0
FIESTA 3	6.0	BRIGHTSTAR SLT (PST-2A6B)	5.0
MANHATTAN 4 (PST-2CRL)	6.0	PST-2SBE	5.0
R8000	6.0	ROBERTS-627	5.0
SECRETARIAT	6.0	SRX 4801	5.0
ABT-99-4.339	5.7	ABT-99-4.115	4.7
AFFIRMED	5.7	ABT-99-4.464	4.7
APR 1231	5.7	ADMIRE (JR-151)	4.7
APR 1232	5.7	ALL STAR (CIS-PR-78)	4.7
CIS-PR-75	5.7	AMAZING (B1)	4.7
EDGE	5.7	APPLAUD (PENNINGTON-11301)	4.7
GATOR 3 (CIS-PR-85)	5.7	APR 1237	4.7
PACESETTER (6011)	5.7	CIS-PR-84	4.7
PST-2BR	5.7	EPD	4.7
YATSUGREEN	5.7	JET	4.7
ABT-99-4.724	5.3	LINE DRIVE	4.7
AER 776	5.3	MB 410 (ABT-99-4.629)	4.7
BRIGHTSTAR II	5.3	MONTEREY II (JR-187)	4.7
CATHEDRAL II	5.3	PICK EX2	4.7
EP53	5.3	PICK PR 1-94	4.7
MANHATTAN 3	5.3	PST-2CRR	4.7
MP88	5.3	PST-2LA	4.7
NJ-6401	5.3	PST-CATS	4.7
PALMER III	5.3	SRX 4820	4.7
PICK PR B-97	5.3	SRX 4RHT	4.7
PLEASURE XL	5.3	A5C (ABT-99-4.960)	4.3
PREMIER	5.3	AFFINITY	4.3
PST-2M4	5.3	BARLENNIUM	4.3
SEVILLE II	5.3	BY-100	4.3
ABT-99-4.834	5.0	CATALINA	4.3
ASCEND	5.0	CHARGER II	4.3
CALYPSO II	5.0	DLF-LDD	4.3
CHARISMATIC (LTP 98-501)	5.0	DP 17-9391	4.3
CHURCHILL	5.0	SUPERSTAR (EP57)	4.3
KOKOMO (CIS-PR-69)	5.0	KOOS R-71	4.3
DIVINE	5.0	LTP-ME	4.3
DP 17-9069	5.0	MAJESTY	4.3
ELFKIN	5.0	MB 413 (ABT-99-4.633)	4.3
EXTREME (JR-317)	5.0	MEPY	4.3
MP103	5.0	PANTHER	4.3
MP107	5.0	PICK MDR	4.3
PARAGON	5.0	PST-2JH	4.3
PICK PRNGS	5.0	PST-2RT	4.3



TABLE 28. MELTING-OUT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA  
MELTING-OUT (JULY) RATINGS 1-9; 9=NO DISEASE

NAME	MO1
PST-2SLX	4.3
SKYHAWK	4.3
STELLAR (CIS-PR-72)	4.3
ABT-99-4.560	4.0
ABT-99-4.600	4.0
APR 1234	4.0
GALAXY (JR-128)	4.0
HEADSTART	4.0
LPR 98-143	4.0
MB 412 (ABT-99-4.461)	4.0
NEXUS	4.0
PREMIER II	4.0
PROMISE	4.0
PROWLER (APR 777)	4.0
PST-2L96	4.0
RACER	4.0
RADIANT	4.0
SR 4500	4.0
SRX 4120	4.0
UT-1000 (ABT-99-4.709)	4.0
WILMINGTON	4.0
APR 1233	3.7
APR 1235	3.7
BUCCANEER	3.7
CAS-LP84	3.7
CABO (CIS-PR-80)	3.7
DP 17-9496	3.7
LPR 98-144	3.7
MB 411 (ABT-99-4.753)	3.7
MB 414 (ABT-99-4.903)	3.7
MDP	3.7
PARADIGM (APR 1236)	3.7
PHANTOM	3.7
PROSPORT (AG-P981)	3.7
WVPB-R-84	3.7
ALLSPORT	3.3
WVPB-R-82	3.3
PASSPORT	3.0
PENNANT II	3.0
PICK PR QH-97	3.0
DP LP-1	2.7
LINN	2.0
LSD VALUE	1.9
C.V. (%)	26.2

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

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

TABLE 29.

WINTER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	WA3	WA4	MEAN	NAME	WA3	WA4	MEAN
SEVILLE II	7.0	8.0	7.5	MB 411 (ABT-99-4.753)	7.0	6.7	6.8
ADMIRE (JR-151)	6.7	8.0	7.3	PST-2JH	6.0	7.7	6.8
BARLENNIUM	7.0	7.7	7.3	RACER	6.0	7.7	6.8
JET	6.7	8.0	7.3	YATSUGREEN	5.7	8.0	6.8
NJ-6401	7.0	7.7	7.3	ABT-99-4.115	6.3	7.3	6.8
PACESETTER (6011)	7.0	7.7	7.3	ABT-99-4.464	6.3	7.3	6.8
PICK MDR	7.0	7.7	7.3	APR 1232	6.3	7.3	6.8
PREMIER	7.0	7.7	7.3	CATALINA	6.3	7.3	6.8
SRX 4RHT	6.7	8.0	7.3	CATHEDRAL II	6.3	7.3	6.8
EXACTA	7.3	7.3	7.3	CHARISMATIC (LTP 98-501)	6.3	7.3	6.8
PENNANT II	7.3	7.3	7.3	CIS-PR-75	6.3	7.3	6.8
SR 4500	7.3	7.3	7.3	DLF-LDD	6.3	7.3	6.8
SRX 4120	7.3	7.3	7.3	EDGE	6.3	7.3	6.8
MB 414 (ABT-99-4.903)	6.7	7.7	7.2	EXTREME (JR-317)	6.3	7.3	6.8
PANTHER	6.7	7.7	7.2	LINE DRIVE	6.3	7.3	6.8
PARAGON	6.7	7.7	7.2	MB 410 (ABT-99-4.629)	6.3	7.3	6.8
PST-2BR	6.7	7.7	7.2	PALMER III	6.3	7.3	6.8
SRX 4820	6.7	7.7	7.2	PICK EX2	6.3	7.3	6.8
APPLAUD (PENNINGTON-11301)	7.0	7.3	7.2	PIZZAZZ	6.3	7.3	6.8
APR 1231	7.0	7.3	7.2	KOKOMO (CIS-PR-69)	5.7	7.7	6.7
ELFKIN	7.3	7.0	7.2	ABT-99-4.600	6.3	7.0	6.7
NEXUS	7.0	7.3	7.2	A5C (ABT-99-4.960)	6.3	7.0	6.7
PASSPORT	7.0	7.3	7.2	ALLSPORT	6.3	7.0	6.7
PHANTOM	7.0	7.3	7.2	APR 1233	6.0	7.3	6.7
PREMIER II	7.0	7.3	7.2	APR 1237	6.0	7.3	6.7
SRX 4801	7.3	7.0	7.2	BY-100	6.3	7.0	6.7
ABT-99-4.834	6.3	7.7	7.0	CALYPSO II	6.0	7.3	6.7
AFFIRMED	6.7	7.3	7.0	DIVINE	6.3	7.0	6.7
BRIGHTSTAR II	6.7	7.3	7.0	DP 17-9069	6.0	7.3	6.7
CHARGER II	6.7	7.3	7.0	DP LP-1	6.0	7.3	6.7
CABO (CIS-PR-80)	7.0	7.0	7.0	GALAXY (JR-128)	6.0	7.3	6.7
FIESTA 3	7.0	7.0	7.0	KOOS R-71	6.3	7.0	6.7
MAJESTY	6.3	7.7	7.0	PROMISE	6.3	7.0	6.7
PICK PRNGS	6.7	7.3	7.0	PROWLER (APR 777)	6.0	7.3	6.7
PINNACLE II (BAR 9 B2)	6.3	7.7	7.0	MANHATTAN 4 (PST-2CRL)	6.0	7.3	6.7
PLEASURE XL	6.7	7.3	7.0	RADIANT	6.0	7.3	6.7
SECRETARIAT	6.3	7.7	7.0	WILMINGTON	6.0	7.3	6.7
STELLAR (CIS-PR-72)	7.3	6.7	7.0	AMAZING (B1)	6.0	7.0	6.5
WVPB-R-82	6.7	7.3	7.0	CHURCHILL	6.0	7.0	6.5
ABT-99-4.339	6.7	7.0	6.8	DP 17-9496	5.3	7.7	6.5
AFFINITY	6.7	7.0	6.8	SUPERSTAR (EP57)	5.7	7.3	6.5
APR 1234	6.0	7.7	6.8	GATOR 3 (CIS-PR-85)	6.0	7.0	6.5
PICK RC2	6.0	7.7	6.8	HEADSTART	6.0	7.0	6.5
MANHATTAN 3	6.7	7.0	6.8	MB 412 (ABT-99-4.461)	5.3	7.7	6.5

TABLE 29. WINTER DENSITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) 2000 DATA  
DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY

NAME	WA3	WA4	MEAN
MONTEREY II (JR-187)	5.3	7.7	6.5
PROSPORT (AG-P981)	5.7	7.3	6.5
R8000	6.0	7.0	6.5
ROBERTS-627	5.0	8.0	6.5
WVPB-R-84	6.0	7.0	6.5
ABT-99-4.560	5.7	7.0	6.3
BUCCANEER	5.7	7.0	6.3
DP 17-9391	5.7	7.0	6.3
EPD	6.0	6.7	6.3
LPR 98-144	5.7	7.0	6.3
MB 413 (ABT-99-4.633)	5.7	7.0	6.3
MP107	5.7	7.0	6.3
PST-2CRR	6.0	6.7	6.3
PST-2SLX	5.7	7.0	6.3
PST-CATS	5.7	7.0	6.3
PST-2M4	5.3	7.3	6.3
ALL STAR <sup>2</sup> (CIS-PR-78)	5.7	6.7	6.2
ASCEND	5.7	6.7	6.2
EP53	5.7	6.7	6.2
PICK PR 1-94	5.7	6.7	6.2
PICK PR QH-97	5.7	6.7	6.2
PST-2SBE	5.7	6.7	6.2
ABT-99-4.724	6.0	6.3	6.2
APR 1235	5.0	7.3	6.2
CIS-PR-84	5.0	7.3	6.2
LPR 98-143	5.3	7.0	6.2
BRIGHTSTAR SLT (PST-2A6B)	5.0	7.3	6.2
PST-2L96	5.3	7.0	6.2
PST-2LA	5.0	7.3	6.2
UT-1000 (ABT-99-4.709)	6.0	6.3	6.2
APR 776	5.3	6.7	6.0
MP103	5.0	7.0	6.0
MP88	5.0	7.0	6.0
PARADIGM (APR 1236)	5.3	6.7	6.0
PICK PR B-97	5.0	7.0	6.0
PST-2RT	5.3	6.7	6.0
CAS-LP84	4.7	7.0	5.8
SKYHAWK	5.0	6.7	5.8
LINN	5.3	6.3	5.8
MDP	5.3	6.3	5.8
MEPY	4.3	7.0	5.7
LTP-ME	4.3	6.0	5.2
LSD VALUE	1.5	1.0	0.9
C.V. (%)	15.4	8.5	12.0

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

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

TABLE 30. RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/  
2000 DATA

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

NAME	WI1	NAME	WI1
PST-2CRR	6.3	ABT-99-4.560	5.0
STELLAR (CIS-PR-72)	6.3	ABT-99-4.834	5.0
ALL STAR (CIS-PR-78)	6.0	AFFIRMED	5.0
APR 1235	6.0	APR 776	5.0
KOKOMO (CIS-PR-69)	6.0	BARLENNIUM	5.0
CIS-PR-84	6.0	BRIGHTSTAR II	5.0
LINN	6.0	CATALINA	5.0
PICK MDR	6.0	CHARGER II	5.0
PIZZAZZ	6.0	CHARISMATIC (LTP 98-501)	5.0
ROBERTS-627	6.0	CHURCHILL	5.0
SRX 4801	6.0	DP 17-9391	5.0
YATSUGREEN	6.0	DP LP-1	5.0
APPLAUD (PENNINGTON-11301)	5.7	ELFKIN	5.0
DP 17-9496	5.7	SUPERSTAR (EP57)	5.0
GATOR 3 (CIS-PR-85)	5.7	EPD	5.0
PINNACLE II (BAR 9 B2)	5.7	EXACTA	5.0
PST-2LA	5.7	GALAXY (JR-128)	5.0
SRX 4820	5.7	HEADSTART	5.0
ABT-99-4.724	5.3	LINE DRIVE	5.0
A5C (ABT-99-4.960)	5.3	LTP-ME	5.0
AMAZING (B1)	5.3	MAJESTY	5.0
APR 1233	5.3	MANHATTAN 3	5.0
CALYPSO II	5.3	MB 410 (ABT-99-4.629)	5.0
CABO (CIS-PR-80)	5.3	MB 413 (ABT-99-4.633)	5.0
DLF-LDD	5.3	MP107	5.0
DP 17-9069	5.3	NEXUS	5.0
EP53	5.3	NJ-6401	5.0
FIESTA 3	5.3	PANTHER	5.0
JET	5.3	PLEASURE XL	5.0
MB 411 (ABT-99-4.753)	5.3	PREMIER	5.0
MDP	5.3	PREMIER II	5.0
MP103	5.3	PROSPORT (AG-P981)	5.0
MP88	5.3	PROWLER (APR 777)	5.0
PALMER III	5.3	BRIGHTSTAR SLT (PST-2A6B)	5.0
PHANTOM	5.3	PST-2BR	5.0
PST-2JH	5.3	MANHATTAN 4 (PST-2CRL)	5.0
PST-2L96	5.3	PST-2RT	5.0
PST-2M4	5.3	RADIANT	5.0
PST-2SLX	5.3	SKYHAWK	5.0
R8000	5.3	SRX 4RHT	5.0
SEVILLE II	5.3	UT-1000 (ABT-99-4.709)	5.0
SR 4500	5.3	WVPB-R-82	5.0
ABT-99-4.339	5.0	ABT-99-4.115	4.7
ABT-99-4.464	5.0	AFFINITY	4.7

TABLE 30.  
(CONT'D)

RUST RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
2000 DATA  
RUST RATINGS 1-9; 9=NO DISEASE

NAME	WI1
ALLSPORT	4.7
APR 1237	4.7
ASCEND	4.7
BUCCANEER	4.7
CAS-LP84	4.7
CATHEDRAL II	4.7
CIS-PR-75	4.7
PICK RC2	4.7
DIVINE	4.7
KOOS R-71	4.7
LPR 98-143	4.7
LPR 98-144	4.7
MB 412 (ABT-99-4.461)	4.7
MEPY	4.7
PARADIGM (APR 1236)	4.7
PARAGON	4.7
PASSPORT	4.7
PENNANT II	4.7
PICK PR B-97	4.7
PICK PR QH-97	4.7
PICK PRNGS	4.7
PST-2SBE	4.7
PST-CATS	4.7
ABT-99-4.600	4.3
ADMIRE (JR-151)	4.3
BY-100	4.3
MONTEREY II (JR-187)	4.3
PACESETTER (6011)	4.3
PROMISE	4.3
SECRETARIAT	4.3
WILMINGTON	4.3
APR 1231	4.0
APR 1234	4.0
EDGE	4.0
EXTREME (JR-317)	4.0
MB 414 (ABT-99-4.903)	4.0
PICK EX2	4.0
PICK PR 1-94	4.0
RACER	4.0
WVPB-R-84	4.0
APR 1232	3.7
SRX 4120	3.7
LSD VALUE	0.8
C.V. (%)	10.0

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

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

TABLE 31.

PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/ 2/  
 AT COLUMBIA, MO (MO1)  
 1999-2000 DATA

NAME	FALL 1999	SPRING 2000	MEAN	NAME	FALL 1999	SPRING 2000	MEAN
LINN	56.7	90.0	73.3	PHANTOM	46.7	73.3	60.0
WVPB-R-84	53.3	91.7	72.5	PICK PRNGS	43.3	76.7	60.0
APR 1233	56.7	86.7	71.7	SRX 4120	43.3	76.7	60.0
YATSUGREEN	60.0	81.7	70.8	ABT-99-4.560	36.7	81.7	59.2
DLF-LDD	56.7	83.3	70.0	APR 1231	40.0	78.3	59.2
FIESTA 3	53.3	86.7	70.0	CABO (CIS-PR-80)	40.0	78.3	59.2
KOOS R-71	53.3	86.7	70.0	PIZZAZZ	43.3	75.0	59.2
NJ-6401	53.3	85.0	69.2	CHARISMATIC (LTP 98-501)	40.0	76.7	58.3
SECRETARIAT	56.7	80.0	68.3	DP 17-9391	40.0	76.7	58.3
ASCEND	56.7	78.3	67.5	PICK MDR	46.7	70.0	58.3
PANTHER	53.3	81.7	67.5	PST-2M4	33.3	83.3	58.3
SEVILLE II	53.3	81.7	67.5	ROBERTS-627	40.0	76.7	58.3
BUCCANEER	50.0	83.3	66.7	DP 17-9069	36.7	78.3	57.5
PREMIER	46.7	86.7	66.7	GATOR 3 (CIS-PR-85)	40.0	75.0	57.5
R8000	50.0	83.3	66.7	LINE DRIVE	43.3	71.7	57.5
AMAZING (B1)	46.7	83.3	65.0	MB 412 (ABT-99-4.461)	40.0	75.0	57.5
DP 17-9496	43.3	86.7	65.0	PST-2RT	40.0	75.0	57.5
WVPB-R-82	50.0	80.0	65.0	ABT-99-4.115	36.7	76.7	56.7
ADMIRE (JR-151)	43.3	85.0	64.2	APR 1234	40.0	73.3	56.7
AFFINITY	53.3	75.0	64.2	APR 1237	40.0	73.3	56.7
APPLAUD (PENNINGTON-11301)	46.7	81.7	64.2	PICK RC2	36.7	76.7	56.7
GALAXY (JR-128)	50.0	78.3	64.2	JET	36.7	76.7	56.7
MONTEREY II (JR-187)	46.7	81.7	64.2	PICK PR QH-97	40.0	73.3	56.7
PASSPORT	43.3	85.0	64.2	PROMISE	43.3	70.0	56.7
CHARGER II	46.7	80.0	63.3	PROSPORT (AG-P981)	36.7	76.7	56.7
EDGE	43.3	83.3	63.3	SRX 4801	36.7	76.7	56.7
MANHATTAN 3	46.7	80.0	63.3	SRX 4820	40.0	73.3	56.7
PREMIER II	43.3	83.3	63.3	ALL STAR <sup>2</sup> (CIS-PR-78)	36.7	75.0	55.8
APR 1235	46.7	78.3	62.5	BARLENNIUM	36.7	75.0	55.8
BY-100	43.3	81.7	62.5	BRIGHTSTAR II	40.0	71.7	55.8
HEADSTART	43.3	81.7	62.5	CATALINA	40.0	71.7	55.8
MAJESTY	43.3	81.7	62.5	EXACTA	43.3	68.3	55.8
AFFIRMED	46.7	76.7	61.7	PARAGON	43.3	68.3	55.8
DIVINE	46.7	76.7	61.7	PICK PR B-97	40.0	71.7	55.8
MANHATTAN 4 (PST-2CRL)	40.0	83.3	61.7	PROWLER (APR 777)	33.3	78.3	55.8
ABT-99-4.464	46.7	75.0	60.8	PST-2CRR	36.7	75.0	55.8
ABT-99-4.600	43.3	78.3	60.8	CAS-LP84	36.7	73.3	55.0
CALYPSO II	46.7	75.0	60.8	KOKOMO (CIS-PR-69)	40.0	70.0	55.0
ELFKIN	40.0	81.7	60.8	CIS-PR-84	33.3	76.7	55.0
LPR 98-143	43.3	78.3	60.8	DP LP-1	36.7	73.3	55.0
LPR 98-144	43.3	78.3	60.8	MB 410 (ABT-99-4.629)	43.3	66.7	55.0
MB 414 (ABT-99-4.903)	40.0	81.7	60.8	MB 411 (ABT-99-4.753)	40.0	70.0	55.0
PICK PR 1-94	46.7	75.0	60.8	PACESETTER (6011)	33.3	76.7	55.0
BRIGHTSTAR SLT (PST-2A6B)	40.0	81.7	60.8	PALMER III	36.7	73.3	55.0
SR 4500	43.3	78.3	60.8	PST-2L96	36.7	73.3	55.0
CATHEDRAL II	43.3	76.7	60.0	RADIANT	33.3	76.7	55.0
EXTREME (JR-317)	43.3	76.7	60.0	ALLSPORT	33.3	75.0	54.2

TABLE 31. PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) AT COLUMBIA, MO (MO1)  
 1999-2000 DATA

NAME	FALL	SPRING	MEAN
	1999	2000	
CHURCHILL	40.0	68.3	54.2
NEXUS	40.0	68.3	54.2
PENNANT II	33.3	75.0	54.2
SRX 4RHT	30.0	78.3	54.2
STELLAR (CIS-PR-72)	40.0	68.3	54.2
PICK EX2	33.3	73.3	53.3
PINNACLE II (BAR 9 B2)	33.3	73.3	53.3
PST-2JH	33.3	73.3	53.3
PST-2LA	36.7	70.0	53.3
RACER	36.7	70.0	53.3
APR 776	33.3	71.7	52.5
EPD	33.3	71.7	52.5
PLEASURE XL	36.7	68.3	52.5
PST-CATS	33.3	71.7	52.5
UT-1000 (ABT-99-4.709)	33.3	71.7	52.5
ABT-99-4.339	36.7	66.7	51.7
MP88	33.3	70.0	51.7
PARADIGM (APR 1236)	33.3	70.0	51.7
PST-2SBE	33.3	70.0	51.7
PST-2SLX	36.7	66.7	51.7
A5C (ABT-99-4.960)	26.7	75.0	50.8
PST-2BR	33.3	68.3	50.8
MB 413 (ABT-99-4.633)	33.3	66.7	50.0
WILMINGTON	30.0	68.3	49.2
ABT-99-4.834	33.3	63.3	48.3
APR 1232	30.0	66.7	48.3
ABT-99-4.724	20.0	75.0	47.5
EP53	26.7	68.3	47.5
SUPERSTAR (EF57)	26.7	68.3	47.5
MDP	30.0	63.3	46.7
MP107	26.7	66.7	46.7
MEPY	23.3	66.7	45.0
MP103	23.3	66.7	45.0
CIS-PR-75	26.7	60.0	43.3
SKYHAWK	26.7	60.0	43.3
LTP-ME	10.0	58.3	34.2
LSD VALUE	15.8	23.6	13.9
C.V. (%)	21.8	12.0	12.9

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

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

TABLE 32. PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS 1/ 2/  
 AT QUEBEC, QE (CANADA)  
 2000 DATA

NAME	MAY	JUNE	JULY	AUGUST	MEAN
ADMIRE (JR-151)	56.7	73.3	73.3	76.7	70.0
AFFINITY	60.0	73.3	70.0	76.7	70.0
WVPB-R-84	53.3	73.3	70.0	76.7	68.3
CATHEDRAL II	56.7	70.0	66.7	73.3	66.7
MANHATTAN 3	53.3	70.0	70.0	73.3	66.7
SECRETARIAT	60.0	70.0	63.3	73.3	66.7
DIVINE	53.3	66.7	70.0	73.3	65.8
LINN	46.7	73.3	70.0	73.3	65.8
PANTHER	56.7	70.0	63.3	70.0	65.0
WVPB-R-82	50.0	70.0	66.7	73.3	65.0
LPR 98-143	53.3	70.0	63.3	70.0	64.2
MAJESTY	53.3	70.0	63.3	70.0	64.2
PENNANT II	50.0	70.0	63.3	73.3	64.2
APPLAUD (PENNINGTON-11301)	46.7	70.0	63.3	73.3	63.3
APR 1235	46.7	66.7	63.3	76.7	63.3
DP 17-9496	46.7	63.3	66.7	76.7	63.3
NJ-6401	50.0	66.7	66.7	70.0	63.3
PREMIER	43.3	70.0	66.7	73.3	63.3
WILMINGTON	50.0	66.7	63.3	73.3	63.3
BUCCANEER	46.7	70.0	63.3	70.0	62.5
BY-100	50.0	70.0	60.0	70.0	62.5
DLF-LDD	46.7	70.0	60.0	73.3	62.5
EDGE	40.0	70.0	63.3	76.7	62.5
EP53	46.7	70.0	60.0	73.3	62.5
GALAXY (JR-128)	46.7	66.7	63.3	73.3	62.5
LINE DRIVE	50.0	66.7	63.3	70.0	62.5
PALMER III	50.0	66.7	63.3	70.0	62.5
PASSPORT	50.0	66.7	63.3	70.0	62.5
PHANTOM	50.0	66.7	60.0	73.3	62.5
PST-2JH	53.3	63.3	63.3	70.0	62.5
SEVILLE II	50.0	66.7	60.0	73.3	62.5
YATSUGREEN	50.0	66.7	56.7	76.7	62.5
ELFKIN	50.0	66.7	56.7	73.3	61.7
EXACTA	46.7	66.7	63.3	70.0	61.7
MONTEREY II (JR-187)	50.0	66.7	63.3	66.7	61.7
PACESETTER (6011)	43.3	66.7	63.3	73.3	61.7
PICK EX2	53.3	63.3	56.7	73.3	61.7
PREMIER II	46.7	66.7	63.3	70.0	61.7
RACER	43.3	66.7	63.3	73.3	61.7
AFFIRMED	40.0	66.7	63.3	73.3	60.8
CALYPSO II	46.7	63.3	60.0	73.3	60.8
CHARISMATIC (LTP 98-501)	50.0	66.7	60.0	66.7	60.8
KOKOMO (CIS-PR-69)	40.0	66.7	63.3	73.3	60.8
DP 17-9069	43.3	66.7	60.0	73.3	60.8
DP LP-1	43.3	63.3	63.3	73.3	60.8
FIESTA 3	46.7	66.7	63.3	66.7	60.8
LPR 98-144	43.3	63.3	63.3	73.3	60.8



TABLE 32. PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) AT QUEBEC, QE (CANADA)  
 2000 DATA

NAME	MAY	JUNE	JULY	AUGUST	MEAN
MB 410 (ABT-99-4.629)	43.3	66.7	60.0	73.3	60.8
PIZZAZZ	43.3	70.0	60.0	70.0	60.8
BRIGHTSTAR SLT (PST-2A6B)	46.7	63.3	66.7	66.7	60.8
PST-2BR	46.7	63.3	60.0	73.3	60.8
ROBERTS-627	43.3	66.7	60.0	73.3	60.8
SR 4500	46.7	63.3	60.0	73.3	60.8
ABT-99-4.339	36.7	66.7	63.3	73.3	60.0
ALL STAR (CIS-PR-78)	46.7	63.3	60.0	70.0	60.0
HEADSTART	43.3	66.7	56.7	73.3	60.0
MB 413 (ABT-99-4.633)	46.7	63.3	60.0	70.0	60.0
PARAGON	46.7	63.3	60.0	70.0	60.0
PICK MDR	46.7	63.3	56.7	73.3	60.0
PST-2RT	46.7	63.3	60.0	70.0	60.0
PST-2SLX	46.7	63.3	60.0	70.0	60.0
R8000	46.7	63.3	60.0	70.0	60.0
SRX 4120	46.7	63.3	60.0	70.0	60.0
SRX 4820	43.3	66.7	60.0	70.0	60.0
SRX 4RHT	46.7	63.3	60.0	70.0	60.0
STELLAR (CIS-PR-72)	43.3	66.7	60.0	70.0	60.0
ABT-99-4.560	46.7	63.3	56.7	70.0	59.2
ABT-99-4.600	50.0	63.3	53.3	70.0	59.2
ABT-99-4.834	46.7	63.3	56.7	70.0	59.2
APR 776	43.3	66.7	60.0	66.7	59.2
CHARGER II	43.3	66.7	56.7	70.0	59.2
PICK PR 1-94	46.7	63.3	56.7	70.0	59.2
PINNACLE II (BAR 9 B2)	43.3	63.3	60.0	70.0	59.2
PROMISE	43.3	63.3	56.7	73.3	59.2
ABT-99-4.115	46.7	63.3	56.7	66.7	58.3
ABT-99-4.464	40.0	66.7	60.0	66.7	58.3
APR 1231	43.3	63.3	56.7	70.0	58.3
PICK PR B-97	46.7	60.0	56.7	70.0	58.3
PICK PR QH-97	46.7	63.3	56.7	66.7	58.3
SRX 4801	40.0	60.0	60.0	73.3	58.3
APR 1232	46.7	60.0	56.7	66.7	57.5
APR 1237	43.3	60.0	56.7	70.0	57.5
CHURCHILL	43.3	56.7	60.0	70.0	57.5
CIS-PR-84	36.7	63.3	60.0	70.0	57.5
MB 411 (ABT-99-4.753)	46.7	60.0	56.7	66.7	57.5
MP103	43.3	60.0	56.7	70.0	57.5
PST-2SBE	46.7	60.0	53.3	70.0	57.5
PICK RC2	36.7	63.3	60.0	66.7	56.7
JET	43.3	60.0	53.3	70.0	56.7
MP88	46.7	56.7	53.3	70.0	56.7
PROSPORT (AG-P981)	40.0	63.3	56.7	66.7	56.7
PST-2M4	43.3	63.3	53.3	66.7	56.7
APR 1233	40.0	60.0	53.3	70.0	55.8
BARLENNIUM	36.7	63.3	53.3	70.0	55.8

TABLE 32. PERCENT ESTABLISHMENT RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) AT QUEBEC, QE (CANADA)  
 2000 DATA

NAME	MAY	JUNE	JULY	AUGUST	MEAN
CAS-LP84	40.0	60.0	56.7	66.7	55.8
KOOS R-71	40.0	63.3	53.3	66.7	55.8
MEPY	36.7	60.0	60.0	66.7	55.8
PLEASURE XL	36.7	63.3	56.7	66.7	55.8
PROWLER (APR 777)	36.7	60.0	56.7	70.0	55.8
PST-2L96	40.0	60.0	56.7	66.7	55.8
RADIANT	36.7	63.3	56.7	66.7	55.8
ALLSPORT	40.0	60.0	53.3	66.7	55.0
ASCEND	46.7	60.0	50.0	63.3	55.0
CATALINA	36.7	56.7	56.7	70.0	55.0
SUPERSTAR (EP57)	36.7	60.0	56.7	66.7	55.0
EPD	36.7	56.7	60.0	66.7	55.0
GATOR 3 (CIS-PR-85)	40.0	56.7	56.7	66.7	55.0
MB 412 (ABT-99-4.461)	40.0	63.3	53.3	63.3	55.0
MANHATTAN 4 (PST-2CRL)	40.0	60.0	53.3	66.7	55.0
PST-2CRR	40.0	60.0	53.3	66.7	55.0
DP 17-9391	40.0	60.0	53.3	63.3	54.2
BRIGHTSTAR II	33.3	56.7	56.7	66.7	53.3
CABO (CIS-PR-80)	36.7	56.7	56.7	63.3	53.3
MP107	40.0	60.0	53.3	60.0	53.3
PICK PRNGS	36.7	60.0	53.3	63.3	53.3
PST-2LA	36.7	56.7	53.3	66.7	53.3
ABT-99-4.724	40.0	56.7	50.0	63.3	52.5
NEXUS	40.0	56.7	50.0	63.3	52.5
UT-1000 (ABT-99-4.709)	36.7	53.3	53.3	66.7	52.5
A5C (ABT-99-4.960)	33.3	56.7	50.0	66.7	51.7
AMAZING (B1)	30.0	56.7	53.3	66.7	51.7
APR 1234	33.3	56.7	50.0	66.7	51.7
CIS-PR-75	33.3	60.0	50.0	63.3	51.7
MB 414 (ABT-99-4.903)	33.3	56.7	53.3	63.3	51.7
PARADIGM (APR 1236)	33.3	56.7	50.0	66.7	51.7
SKYHAWK	30.0	56.7	53.3	66.7	51.7
EXTREME (JR-317)	40.0	46.7	50.0	66.7	50.8
PST-CATS	36.7	50.0	50.0	66.7	50.8
LTP-ME	30.0	53.3	53.3	63.3	50.0
MDP	16.7	36.7	40.0	50.0	35.8
LSD VALUE	22.2	15.6	20.2	21.3	14.9
C.V. (%)	20.8	11.1	12.9	9.1	10.8

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

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

TABLE 33.

PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
AT COLUMBIA (TRAFFIC STUDY), MO 1/ 2/  
2000 DATA

NAME	TRAFFIC IN SPRING (MAY 26)				TRAFFIC IN FALL (OCTOBER 4)				MEAN (AFTER TRAFFIC)
	BEFORE TRAFFIC (APR.10)	AFTER TRAFFIC (MAY 26)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	BEFORE TRAFFIC (SEP.13)	AFTER TRAFFIC (OCT.4)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	
PICK EX2	98.3	91.7	95.0	99.0	94.7	88.3	98.0	99.0	95.2
PST-2BR	98.0	90.0	94.3	98.3	94.7	88.3	99.0	99.0	94.8
CATHEDRAL II	96.7	88.3	95.3	97.7	96.3	90.0	96.3	99.0	94.4
PST-CATS	98.0	86.7	91.0	98.3	94.7	91.0	98.7	99.0	94.1
APR 1237	96.7	85.0	93.7	98.0	94.0	88.3	97.7	98.7	93.6
APR 1235	97.0	83.3	90.0	97.3	97.7	93.3	97.7	99.0	93.4
DIVINE	98.3	88.3	95.0	98.3	95.0	83.3	97.0	98.7	93.4
NJ-6401	97.7	90.0	94.3	98.0	97.7	81.7	97.3	99.0	93.4
PICK RC2	98.3	85.0	93.3	98.3	96.3	86.7	97.3	99.0	93.3
PST-2M4	95.0	85.0	91.7	95.7	97.7	88.3	98.7	99.0	93.1
AFFIRMED	97.7	90.0	96.0	98.3	89.7	78.3	94.7	98.7	92.7
CHURCHILL	99.0	88.3	93.7	98.3	94.7	80.0	97.3	98.7	92.7
PENNANT II	97.0	86.7	96.0	98.3	97.0	82.7	94.3	98.0	92.7
CHARGER II	97.3	81.7	93.7	97.3	97.7	85.7	98.3	99.0	92.6
PROWLER (APR 777)	97.3	85.0	91.7	97.0	97.7	86.7	96.3	98.7	92.6
SEVILLE II	96.7	80.0	90.0	97.7	94.7	91.7	97.3	99.0	92.6
MAJESTY	97.0	81.7	91.7	97.0	96.0	86.7	98.3	99.0	92.4
PLEASURE XL	98.0	85.0	91.7	98.0	97.7	83.3	96.3	99.0	92.2
EXACTA	98.3	85.0	91.7	98.3	93.3	83.3	95.0	98.0	91.9
HEADSTART	98.3	90.0	95.3	98.3	89.7	73.3	93.3	98.7	91.5
MANHATTAN 4 (PST-2CRL)	96.3	78.3	88.3	94.3	97.7	91.7	97.3	99.0	91.5
PST-2L96	97.0	81.7	92.7	97.0	96.7	81.7	97.3	98.7	91.5
ADMIRE (JR-151)	97.3	85.0	92.0	97.3	93.7	81.7	94.3	97.7	91.3
APR 1231	97.0	86.7	93.7	98.0	93.0	76.7	94.3	98.3	91.3
ASCEND	98.0	91.7	96.0	98.0	95.7	75.0	91.0	96.0	91.3
PST-2SLX	96.0	76.7	88.7	96.7	96.3	90.0	97.3	98.7	91.3
LPR 98-143	98.0	83.3	91.7	98.0	94.7	80.0	95.7	98.7	91.2
ABT-99-4.560	97.3	88.3	93.3	97.3	86.7	75.0	93.3	98.7	91.0
APR 1232	96.7	78.3	90.0	94.3	98.3	86.0	97.3	98.7	90.8
EXTREME (JR-317)	95.7	85.0	91.0	97.0	96.0	83.3	91.3	97.0	90.8
PREMIER II	96.7	80.0	89.0	98.0	94.3	81.7	97.0	99.0	90.8
SR 4500	98.3	88.3	93.7	98.3	92.3	73.3	92.7	98.7	90.8
LINE DRIVE	97.3	80.0	91.7	98.0	94.7	80.0	95.7	97.7	90.5
MB 410 (ABT-99-4.629)	97.3	81.7	90.0	97.0	96.0	78.3	96.0	98.7	90.3
MP88	95.7	78.3	92.7	95.0	97.3	78.3	98.3	99.0	90.3
BRIGHTSTAR SLT (PST-2A6B)	96.0	76.7	86.7	93.3	93.3	88.3	98.0	99.0	90.3
BARLENNIUM	95.7	80.0	88.3	97.7	93.3	78.3	97.3	99.0	90.1
KOOS R-71	98.0	85.0	93.3	98.0	86.7	73.3	92.3	98.3	90.1
PINNACLE II (BAR 9 B2)	95.0	75.0	87.3	96.7	95.0	85.0	97.7	99.0	90.1
SECRETARIAT	97.0	81.7	90.0	97.0	91.7	81.7	91.7	98.3	90.1
PST-2RT	96.7	85.0	91.7	96.7	94.3	71.7	96.0	98.3	89.9
PARADIGM (APR 1236)	94.3	80.0	88.3	97.0	92.3	78.3	96.0	99.0	89.8
PST-2LA	97.0	80.0	88.7	97.0	91.3	83.3	91.7	98.3	89.8
ABT-99-4.115	97.3	80.0	88.3	95.0	92.7	80.0	96.0	98.7	89.7
PARAGON	98.0	81.7	89.7	97.3	95.0	75.0	96.0	98.7	89.7
AFFINITY	98.3	86.7	93.3	96.7	94.7	66.7	95.0	99.0	89.6
MANHATTAN 3	97.0	75.0	89.3	96.3	91.7	81.7	96.3	99.0	89.6

TABLE 33. (CONT'D)

PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
AT COLUMBIA (TRAFFIC STUDY), MO  
2000 DATA

NAME	TRAFFIC IN SPRING (MAY 26)				TRAFFIC IN FALL (OCTOBER 4)				MEAN (AFTER TRAFFIC)
	BEFORE TRAFFIC (APR.10)	AFTER TRAFFIC (MAY 26)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	BEFORE TRAFFIC (SEP.13)	AFTER TRAFFIC (OCT.4)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	
GALAXY (JR-128)	95.7	78.3	88.3	96.3	93.0	83.3	92.7	97.3	89.4
R8000	96.7	76.7	90.0	97.3	94.7	76.7	97.3	98.3	89.4
SKYHAWK	97.7	81.7	91.7	96.7	93.3	71.7	96.0	98.7	89.4
MB 411 (ABT-99-4.753)	97.3	85.0	91.7	96.3	90.0	73.3	93.0	96.3	89.3
PST-2SEE	93.7	75.0	86.7	92.0	93.3	86.7	97.0	98.7	89.3
ALL STAR <sup>2</sup> (CIS-PR-78)	96.0	81.7	90.0	98.3	95.0	70.0	96.3	99.0	89.2
APR 776	94.7	80.0	91.7	94.7	95.0	76.7	93.3	97.3	88.9
KOKOMO (CIS-PR-69)	96.7	81.7	90.0	97.3	93.3	75.0	91.7	97.7	88.9
CIS-PR-75	96.3	80.0	90.0	96.0	93.3	76.7	92.7	97.3	88.8
NEXUS	96.0	81.7	90.0	97.0	81.7	71.7	93.3	99.0	88.8
PROSPORT (AG-P981)	97.3	85.0	93.3	96.3	81.7	68.3	90.0	97.3	88.4
PST-2CRR	93.3	70.0	83.3	94.7	93.0	86.7	97.3	98.7	88.4
CATALINA	97.0	80.0	90.0	97.3	90.0	73.3	91.7	97.3	88.3
BY-100	98.0	86.7	94.3	97.7	91.3	66.7	88.3	95.3	88.2
PROMISE	95.3	73.3	85.3	96.0	91.7	81.7	94.7	97.7	88.1
PREMIER	95.0	76.7	85.7	97.3	93.3	75.0	94.7	98.7	88.0
PST-2JH	98.0	80.0	91.0	97.0	94.7	68.3	93.3	98.3	88.0
WVPB-R-84	97.7	80.0	89.3	97.0	88.3	71.7	91.0	98.7	87.9
FIESTA 3	97.3	85.0	92.0	98.7	93.3	70.0	83.3	97.7	87.8
PASSPORT	96.3	81.7	89.3	98.0	94.7	65.0	94.7	98.3	87.8
APR 1233	98.0	81.7	90.0	97.0	90.0	68.3	91.7	97.3	87.7
APR 1234	97.7	80.0	90.0	96.0	90.0	66.7	95.0	98.3	87.7
MP107	95.0	71.7	84.3	92.3	95.0	81.7	97.3	99.0	87.7
PICK PR 1-94	96.3	75.0	89.3	97.7	95.0	75.0	91.0	98.3	87.7
MB 414 (ABT-99-4.903)	95.7	83.3	91.7	97.3	88.3	63.3	91.7	98.0	87.6
RADIANT	95.7	80.0	92.0	95.3	92.7	71.7	88.7	97.7	87.6
ABT-99-4.600	96.0	76.7	88.3	96.0	94.3	71.7	93.0	97.7	87.2
CIS-PR-84	97.0	85.0	93.3	96.7	91.3	60.0	90.0	97.3	87.1
DP 17-9391	97.3	86.7	91.7	96.7	90.0	65.0	87.7	95.0	87.1
MEPY	95.7	76.7	86.7	96.3	93.3	73.3	91.3	97.7	87.0
ABT-99-4.834	92.7	61.7	83.3	93.7	93.3	86.7	96.3	98.3	86.7
ABT-99-4.339	96.0	78.3	87.7	96.3	90.0	68.3	89.3	98.3	86.4
AMAZING (B1)	96.7	75.0	86.7	98.0	95.7	70.0	91.0	97.7	86.4
MB 412 (ABT-99-4.461)	95.3	81.7	91.7	97.0	89.0	65.0	89.3	94.0	86.4
GATOR 3 (CIS-PR-85)	92.3	65.0	81.7	92.0	94.7	84.3	96.3	98.7	86.3
PICK PRNGS	94.3	73.3	84.0	91.3	94.7	78.3	93.0	98.0	86.3
CHARISMATIC (LTP 98-501)	97.3	78.3	86.7	97.3	93.0	73.3	85.0	96.0	86.1
PHANTOM	93.3	73.3	85.0	95.7	91.7	71.7	92.7	98.3	86.1
LPR 98-144	96.7	78.3	90.7	96.0	90.0	68.3	86.3	96.3	86.0
APPLAUD (PENNINGTON-11301)	95.3	76.7	86.0	97.3	96.0	71.7	89.3	94.7	85.9
PALMER III	96.7	83.3	91.7	97.3	86.3	63.3	85.0	94.7	85.9
ALLSPORT	97.7	80.0	90.0	96.7	91.7	61.7	89.3	97.0	85.8
MB 413 (ABT-99-4.633)	94.3	75.0	83.3	90.0	89.0	76.7	92.7	97.3	85.8
UT-1000 (ABT-99-4.709)	95.7	78.3	88.3	93.3	90.0	63.3	93.3	97.3	85.7
PICK PR B-97	93.3	71.7	83.3	90.7	93.3	78.3	91.7	96.0	85.3
PIZZAZZ	97.0	68.3	86.7	96.7	94.7	70.0	92.7	97.3	85.3
DLF-LDD	96.3	76.7	86.7	97.7	96.3	68.3	86.3	95.7	85.2

TABLE 33. (CONT'D)

PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
AT COLUMBIA (TRAFFIC STUDY), MO  
2000 DATA

NAME	TRAFFIC IN SPRING (MAY 26)				TRAFFIC IN FALL (OCTOBER 4)				MEAN (AFTER TRAFFIC)
	BEFORE TRAFFIC (APR.10)	AFTER TRAFFIC (MAY 26)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	BEFORE TRAFFIC (SEP.13)	AFTER TRAFFIC (OCT.4)	2 WEEKS AFTER TRAFFIC	4 WEEKS AFTER TRAFFIC	
PACESETTER (6011)	94.7	71.7	86.7	95.0	87.7	70.0	92.0	96.0	85.2
ABT-99-4.464	94.0	73.3	85.0	92.0	91.7	73.3	90.0	97.0	85.1
BRIGHTSTAR II	95.0	61.7	80.0	92.3	93.3	85.0	93.3	98.3	85.1
PICK MDR	95.0	66.7	85.0	95.0	92.3	71.7	93.0	97.3	84.8
CABO (CIS-PR-80)	93.0	68.3	83.3	93.0	93.3	71.7	94.3	97.7	84.7
MDP	93.7	73.3	88.3	95.7	91.7	65.0	90.0	95.3	84.6
MONTEREY II (JR-187)	95.3	78.3	86.7	96.3	90.0	58.3	90.0	97.3	84.5
RACER	95.3	78.3	88.3	97.0	90.0	65.0	83.0	94.3	84.3
STELLAR (CIS-PR-72)	96.7	75.0	86.7	96.0	91.7	66.7	86.7	95.0	84.3
CAS-LP84	93.3	73.3	88.3	93.7	88.3	65.0	88.3	94.7	83.9
A5C (ABT-99-4.960)	92.7	68.3	85.0	94.7	89.7	70.0	89.3	95.3	83.8
SUPERSTAR (EP57)	94.3	70.0	85.7	94.0	91.0	70.0	88.3	93.3	83.6
SRX 4120	98.0	83.3	90.0	98.3	83.3	61.7	78.3	88.7	83.4
DP 17-9069	98.0	86.7	93.3	98.0	83.3	45.0	84.3	92.0	83.2
JET	97.3	78.3	91.7	96.7	88.3	50.0	81.7	98.3	82.8
SRX 4801	96.0	63.3	83.3	94.7	93.0	73.3	85.0	94.7	82.4
PICK PR QH-97	93.3	75.0	88.3	96.0	86.7	58.3	81.7	94.3	82.3
DP LP-1	97.3	88.3	94.3	97.7	83.3	43.3	76.7	92.7	82.2
WVPB-R-82	95.7	80.0	89.3	96.3	86.0	45.0	85.0	97.3	82.2
ABT-99-4.724	94.0	66.7	83.3	93.7	91.7	63.3	88.3	97.3	82.1
SRX 4820	95.7	70.0	83.3	93.7	90.7	66.7	86.7	92.0	82.1
ELFKIN	96.7	76.7	86.7	96.0	86.7	58.3	81.0	93.0	81.9
MP103	95.7	71.7	81.7	94.3	90.0	61.7	85.0	95.0	81.6
EDGE	96.3	78.3	86.7	97.0	90.0	50.0	81.7	95.3	81.5
ROBERTS-627	93.3	61.7	78.3	92.7	85.0	75.0	86.0	94.0	81.3
EP53	94.3	73.3	83.3	90.0	85.0	63.3	81.7	95.3	81.2
WILMINGTON	96.3	73.3	88.3	97.7	86.7	50.0	78.3	92.7	80.1
DP 17-9496	97.7	78.3	88.3	97.3	86.7	43.3	80.0	89.7	79.5
EPD	92.0	65.0	84.0	93.7	86.7	61.7	81.0	91.3	79.4
SRX 4RHT	95.0	66.7	83.3	92.0	88.3	60.0	81.7	92.7	79.4
BUCCANEER	98.0	78.3	88.3	97.0	94.7	46.7	71.7	93.3	79.2
YATSJUGREEN	98.3	78.3	85.0	97.7	89.0	35.0	71.7	93.3	76.8
PANTHER	96.0	78.3	88.3	96.3	83.3	35.0	65.0	87.3	75.1
LTP-ME	88.3	51.7	71.7	81.7	86.7	56.7	85.0	94.3	73.5
CALYPSO II	95.0	63.3	85.0	95.0	89.7	48.3	61.7	77.7	71.8
LINN	97.7	75.0	85.0	93.3	33.3	10.0	13.3	16.7	48.9
LSD VALUE	4.0	38.7	19.1	5.7	13.5	27.0	13.6	6.5	8.3
C.V. (%)	2.1	14.7	7.0	3.0	7.8	20.2	9.2	4.5	5.7

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

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

TABLE 34. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
AT PUYALLUP (TRAFFIC STUDY), WA 1/  
2000 DATA

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

NAME	MAY	JUNE	JULY	AUGUST	MEAN
ROBERTS-627	6.3	7.7	8.0	9.0	7.8
ABT-99-4.560	6.3	6.7	8.0	9.0	7.5
FIESTA 3	5.0	7.7	8.3	9.0	7.5
ABT-99-4.115	6.0	7.0	7.3	9.0	7.3
ABT-99-4.600	5.7	6.7	7.7	9.0	7.3
CABO (CIS-PR-80)	6.0	6.3	7.7	9.0	7.3
LTP-ME	5.3	7.0	7.7	9.0	7.3
MB 410 (ABT-99-4.629)	5.7	7.0	7.3	9.0	7.3
PENNANT II	5.3	7.0	8.0	9.0	7.3
MANHATTAN 4 (PST-2CRL)	6.0	7.0	8.0	8.3	7.3
CATALINA	5.3	6.7	7.7	9.0	7.2
CIS-PR-75	5.7	7.0	7.0	9.0	7.2
MP103	5.3	6.7	7.7	9.0	7.2
PACSETTER (6011)	6.0	6.7	7.7	8.3	7.2
PST-2BR	5.0	7.7	7.7	8.0	7.1
PST-2JH	5.7	6.3	7.3	9.0	7.1
R8000	5.7	6.3	7.3	9.0	7.1
PREMIER II	5.7	7.0	7.3	8.0	7.0
PST-2LA	5.7	5.7	7.7	9.0	7.0
A5C (ABT-99-4.960)	5.3	7.0	7.0	8.3	6.9
AFFIRMED	5.3	6.7	7.7	8.0	6.9
ALL STAR <sup>2</sup> (CIS-PR-78)	6.0	6.0	8.0	7.7	6.9
APR 776	5.0	6.3	7.3	9.0	6.9
CATHEDRAL II	5.0	6.3	7.3	9.0	6.9
CIS-PR-84	5.7	7.3	7.0	7.7	6.9
PASSPORT	5.0	6.0	7.7	9.0	6.9
SKYHAWK	4.7	7.0	7.0	9.0	6.9
SRX 4801	6.0	7.0	7.0	7.7	6.9
WILMINGTON	6.3	7.0	7.3	7.0	6.9
AFFINITY	5.7	6.0	6.7	9.0	6.8
APR 1237	5.7	6.0	7.3	8.0	6.8
BY-100	5.0	6.3	6.7	9.0	6.8
CALYPSO II	5.0	5.3	7.7	9.0	6.8
PICK RC2	5.3	6.7	7.7	7.7	6.8
GATOR 3 (CIS-PR-85)	5.3	6.0	7.7	8.0	6.8
MP88	6.3	6.0	7.0	8.0	6.8
PROMISE	4.7	6.7	7.3	8.3	6.8
PST-2M4	4.7	6.7	6.7	9.0	6.8
RACER	5.7	5.7	7.7	8.0	6.8
RADIANT	6.3	6.7	7.0	7.3	6.8
SR 4500	5.3	6.7	7.0	8.0	6.8
ABT-99-4.834	4.7	6.7	7.0	8.3	6.7
LINE DRIVE	6.0	6.3	6.3	8.0	6.7
MDP	5.3	5.7	6.7	9.0	6.7
MONTEREY II (JR-187)	5.0	6.3	7.0	8.3	6.7

TABLE 34. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 (CONT'D) AT PUYALLUP (TRAFFIC STUDY), WA  
 2000 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	MAY	JUNE	JULY	AUGUST	MEAN
PHANTOM	6.0	6.3	7.0	7.3	6.7
CHARGER II	4.7	6.3	7.3	8.0	6.6
EP53	5.0	6.0	6.3	9.0	6.6
EXTREME (JR-317)	5.0	5.7	6.7	9.0	6.6
SEVILLE II	4.7	6.3	7.3	8.0	6.6
APPLAUD (PENNINGTON-11301)	5.3	7.0	6.7	7.0	6.5
BARLENNIUM	5.7	6.0	7.0	7.3	6.5
ELFKIN	4.7	6.3	7.0	8.0	6.5
SUPERSTAR (EP57)	5.0	6.3	6.3	8.3	6.5
MAJESTY	4.3	5.7	7.0	9.0	6.5
PICK PRNGS	5.0	6.3	7.0	7.7	6.5
SRX 4820	4.3	6.3	6.7	8.7	6.5
AMAZING (B1)	5.0	7.0	7.7	6.0	6.4
APR 1231	6.3	6.0	6.7	6.7	6.4
APR 1235	4.3	6.3	7.0	8.0	6.4
CHARISMATIC (LTP 98-501)	5.3	5.7	6.3	8.3	6.4
CHURCHILL	4.7	6.3	6.7	8.0	6.4
KOKOMO (CIS-PR-69)	5.0	5.7	7.0	8.0	6.4
NEXUS	6.0	5.3	6.7	7.7	6.4
PANTHER	5.3	5.0	7.0	8.3	6.4
PROWLER (APR 777)	5.0	6.0	6.7	8.0	6.4
PST-2SBE	5.0	6.0	6.3	8.3	6.4
ABT-99-4.724	4.7	6.3	7.3	7.0	6.3
APR 1233	5.0	6.0	6.3	7.7	6.3
BRIGHTSTAR II	5.0	5.7	6.7	8.0	6.3
BUCCANEER	4.3	5.0	7.0	8.7	6.3
DLF-LDD	6.3	5.7	6.3	6.7	6.3
DP LP-1	5.0	5.7	6.3	8.0	6.3
EXACTA	5.0	6.0	7.3	6.7	6.3
MANHATTAN 3	4.3	6.0	7.3	7.3	6.3
MB 411 (ABT-99-4.753)	4.7	6.3	6.0	8.3	6.3
MB 414 (ABT-99-4.903)	4.7	6.3	6.3	8.0	6.3
MOPY	5.3	5.7	7.0	7.3	6.3
MP107	6.0	6.0	6.7	6.3	6.3
PALMER III	5.0	6.0	6.0	8.0	6.3
PICK EX2	5.3	5.7	6.7	7.7	6.3
PICK PR QH-97	5.0	5.3	6.7	8.3	6.3
PLEASURE XL	4.3	5.3	6.7	9.0	6.3
PST-2SLX	5.0	6.3	6.3	7.7	6.3
PST-CATS	5.3	6.0	7.3	6.3	6.3
STELLAR (CIS-PR-72)	4.7	5.3	7.0	8.0	6.3
UT-1000 (ABT-99-4.709)	4.3	6.0	7.0	8.0	6.3
ABT-99-4.339	5.0	5.3	6.3	8.0	6.2
APR 1232	5.0	5.3	6.3	8.0	6.2
ASCEND	5.3	6.3	6.7	6.3	6.2

TABLE 34. RED THREAD RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
(CONT'D) AT PUYALLUP (TRAFFIC STUDY), WA  
2000 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE

NAME	MAY	JUNE	JULY	AUGUST	MEAN
GALAXY (JR-128)	4.7	5.3	7.0	7.7	6.2
MB 413 (ABT-99-4.633)	4.3	5.7	7.0	7.7	6.2
ADMIRE (JR-151)	5.0	5.0	6.3	8.0	6.1
APR 1234	4.3	5.7	6.7	7.7	6.1
DIVINE	5.0	6.0	6.3	7.0	6.1
DP 17-9496	4.0	5.0	6.3	9.0	6.1
JET	5.7	5.3	5.7	7.7	6.1
PARAGON	4.3	6.0	6.3	7.7	6.1
PICK MDR	5.3	5.7	6.0	7.3	6.1
EPD	4.7	5.0	6.7	7.7	6.0
KOOS R-71	5.0	6.0	5.0	8.0	6.0
LPR 98-144	5.0	5.7	7.0	6.3	6.0
PINNACLE II (BAR 9 B2)	4.3	6.0	6.7	7.0	6.0
PST-2L96	5.0	5.7	6.7	6.7	6.0
CAS-LP84	5.0	6.0	5.7	7.0	5.9
LINN	5.0	4.3	6.7	7.7	5.9
LPR 98-143	4.3	6.7	6.7	6.0	5.9
PARADIGM (APR 1236)	5.3	5.3	5.0	8.0	5.9
PICK PR B-97	4.3	6.0	6.3	7.0	5.9
PROSPORT (AG-P981)	5.0	6.0	5.7	7.0	5.9
PST-2CRR	5.0	5.3	6.7	6.7	5.9
SRX 4RHT	4.3	5.3	6.0	8.0	5.9
YATSUGREEN	3.7	5.0	6.0	9.0	5.9
ALLSPORT	5.0	5.7	6.0	6.3	5.8
HEADSTART	5.0	6.0	5.7	6.7	5.8
MB 412 (ABT-99-4.461)	4.3	5.3	6.7	6.7	5.8
NJ-6401	4.7	5.7	7.0	6.0	5.8
DP 17-9069	4.3	5.0	6.0	7.3	5.7
ABT-99-4.464	4.7	4.7	6.0	6.7	5.5
PICK PR 1-94	5.0	5.3	5.3	6.3	5.5
PREMIER	3.3	5.7	6.0	7.0	5.5
BRIGHTSTAR SLT (PST-2A6B)	5.0	4.7	6.3	6.0	5.5
PST-2RT	4.7	4.7	6.0	6.7	5.5
WVPB-R-84	4.0	5.0	6.0	7.0	5.5
DP 17-9391	4.0	5.3	5.3	7.0	5.4
SECRETARIAT	3.7	5.0	6.3	6.7	5.4
EDGE	4.0	4.3	5.0	8.0	5.3
PIZZAZZ	4.0	5.0	5.3	6.7	5.3
SRX 4120	4.7	5.3	5.7	5.7	5.3
WVPB-R-82	4.0	5.0	5.3	6.3	5.2
ISD VALUE	3.9	4.7	3.1	6.6	2.6
C.V. (%)	20.8	20.0	15.5	20.4	13.1

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

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



TABLE 35.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
AT PUYALLUP (TRAFFIC STUDY), WA 1/  
2000 DATA

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

NAME	AFTER TRAFFIC IN MAY			AFTER TRAFFIC IN JULY			AFTER TRAFFIC IN SEPTEMBER			AFTER TRAFFIC IN NOVEMBER	
	QUALITY 6 WEEKS	QUALITY 8 WEEKS	% COVER 8 WEEKS	QUALITY 2 WEEKS	QUALITY 6 WEEKS	DENSITY 6 WEEKS	QUALITY 2 WEEKS	DENSITY 2 WEEKS	DENSITY 8 WEEKS	DENSITY 2 WEEKS	DENSITY 4 WEEKS
ABT-99-4.834	4.5	4.0	56.7	5.0	5.0	8.0	4.7	6.7	5.3	5.3	6.3
CIS-PR-84	4.7	4.0	53.3	6.0	5.0	8.7	4.7	6.7	5.3	6.0	6.3
GATOR 3 (CIS-PR-85)	5.0	5.0	58.3	7.3	6.3	9.0	5.0	7.0	4.7	5.7	6.3
PASSPORT	4.0	4.0	46.7	5.7	5.7	8.7	5.0	6.7	4.7	4.3	6.0
PICK PR 1-94	4.3	4.0	50.0	5.3	4.3	8.0	5.0	6.7	5.3	5.0	6.0
PST-2JH	4.7	4.3	56.7	5.7	5.0	8.3	4.3	6.7	5.0	5.0	6.0
SRX 4820	4.7	3.7	48.3	5.3	6.0	9.0	5.0	7.0	5.3	5.0	6.0
ABT-99-4.560	4.3	4.3	60.0	6.0	5.0	8.3	4.3	6.3	4.7	5.3	5.7
BRIGHTSTAR II	4.3	4.7	60.0	7.0	5.7	9.0	5.3	7.0	5.3	5.7	5.7
SUPERSTAR (EP57)	4.3	4.0	46.7	5.3	5.7	8.7	4.7	6.7	4.7	4.7	5.7
JET	5.3	3.7	46.7	7.0	6.0	8.7	4.7	6.7	4.7	5.0	5.7
LPR 98-144	5.0	4.3	53.3	6.7	5.3	8.0	4.7	6.3	4.3	4.7	5.7
MB 413 (ABT-99-4.633)	4.7	4.3	56.7	6.7	5.3	8.7	4.0	6.3	5.0	5.3	5.7
PARAGON	4.0	4.0	50.0	7.3	5.0	8.3	4.7	6.3	5.0	5.3	5.7
PENNANT II	5.0	4.3	58.3	6.7	5.7	9.0	4.7	6.7	5.0	5.0	5.7
PICK PRNGS	4.3	3.7	46.7	6.3	5.0	8.3	4.3	5.7	4.7	5.0	5.7
R8000	4.3	4.3	46.7	5.7	5.3	9.0	5.0	7.0	4.7	5.7	5.7
RADIANT	4.7	4.0	51.7	6.3	5.7	8.7	5.0	6.7	5.0	5.0	5.7
ABT-99-4.339	3.7	3.7	48.3	5.7	5.0	8.7	4.3	6.3	4.7	4.7	5.3
ABT-99-4.464	4.3	4.3	50.0	5.3	5.0	8.3	4.3	6.3	4.3	5.0	5.3
ABT-99-4.724	3.3	4.3	53.3	6.3	6.0	8.3	4.3	6.3	5.0	5.3	5.3
A5C (ABT-99-4.960)	5.0	3.7	50.0	6.0	6.0	8.7	4.7	6.7	5.0	5.3	5.3
ADMIRE (JR-151)	4.3	4.0	46.7	6.0	5.0	8.7	4.7	6.7	5.0	5.0	5.3
ALL STAR (CIS-PR-78)	4.7	4.7	48.3	6.3	4.3	8.0	4.3	6.0	5.3	5.0	5.3
AMAZING (B1)	5.3	4.7	58.3	5.7	5.3	8.0	4.7	6.3	5.3	5.7	5.3
APPLAUD (PENNINGTON-11301)	5.0	4.7	50.0	5.7	4.7	7.3	4.7	6.7	4.7	4.7	5.3
CALYPSO II	4.3	4.0	56.7	6.0	5.0	8.7	4.7	6.7	4.3	5.0	5.3
CATHEDRAL II	4.3	4.0	48.3	6.0	5.7	8.7	4.7	6.7	5.0	5.3	5.3
KOKOMO (CIS-PR-69)	4.3	4.7	50.0	5.7	4.7	8.0	4.3	6.3	4.7	5.3	5.3
CIS-PR-75	4.7	4.3	53.3	6.0	4.7	7.7	4.3	5.7	4.3	4.7	5.3
DLF-LDD	4.7	4.7	55.0	7.0	6.0	8.7	5.3	7.0	5.0	5.0	5.3
EDGE	4.0	3.3	43.3	6.3	5.3	8.7	4.3	6.3	4.7	4.7	5.3
LINE DRIVE	4.0	4.0	43.3	5.3	5.3	9.0	4.3	6.3	5.3	4.7	5.3
MANHATTAN 3	4.0	3.7	48.3	6.0	4.7	8.3	4.7	6.7	4.0	4.7	5.3
MB 411 (ABT-99-4.753)	4.3	4.0	51.7	6.0	5.7	9.0	4.3	6.3	4.7	4.7	5.3
MB 414 (ABT-99-4.903)	4.0	4.0	50.0	6.3	6.3	9.0	4.0	6.0	4.3	5.0	5.3
NJ-6401	4.3	4.3	46.7	5.7	4.3	8.0	4.7	6.0	4.7	4.7	5.3
PACESETTER (6011)	4.7	4.0	55.0	6.7	6.0	9.0	5.0	7.0	4.0	5.0	5.3
PANTHER	4.3	4.0	46.7	6.0	4.7	8.3	5.0	6.7	5.0	5.0	5.3
PINNACLE II (BAR 9 E2)	4.7	4.0	50.0	5.7	6.0	8.7	4.7	6.7	5.7	5.3	5.3
PIZZAZZ	4.3	4.0	50.0	6.7	5.3	8.0	5.0	6.3	4.3	5.0	5.3
PLEASURE XL	4.0	4.0	53.3	5.7	5.0	8.7	5.0	6.7	4.3	4.7	5.3
PROMISE	4.0	4.3	51.7	6.0	5.0	7.3	5.0	6.7	4.7	4.7	5.3
PST-2BR	4.3	3.7	46.7	5.3	5.7	8.3	4.3	5.7	5.0	4.7	5.3
PST-2L96	4.7	4.0	60.0	6.3	5.7	8.7	4.0	6.0	4.7	5.0	5.3

TABLE 35. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
AT PUYALLUP (TRAFFIC STUDY), WA  
2000 DATA

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

NAME	AFTER TRAFFIC IN MAY			AFTER TRAFFIC IN JULY			AFTER TRAFFIC IN SEPTEMBER			AFTER TRAFFIC IN NOVEMBER	
	QUALITY 6 WEEKS	QUALITY 8 WEEKS	% COVER 8 WEEKS	QUALITY 2 WEEKS	QUALITY 6 WEEKS	DENSITY 6 WEEKS	QUALITY 2 WEEKS	DENSITY 2 WEEKS	DENSITY 8 WEEKS	DENSITY 2 WEEKS	DENSITY 4 WEEKS
PST-2M4	4.3	4.0	50.0	5.7	4.7	8.3	4.0	5.7	3.7	4.0	5.3
PST-2SLX	4.3	3.7	46.7	6.3	5.0	8.0	4.3	6.0	4.7	4.7	5.3
SECRETARIAT	4.3	4.3	56.7	6.0	5.7	7.7	4.7	6.3	4.7	4.3	5.3
SRX 4RHT	4.7	4.3	56.7	6.3	6.0	9.0	4.7	6.7	6.0	6.0	5.3
WVPB-R-82	4.0	4.3	46.7	5.3	5.0	8.0	4.3	6.3	4.3	3.7	5.3
AFFINITY	4.3	4.0	50.0	6.3	5.3	8.0	4.3	6.0	4.3	5.0	5.0
APR 776	4.0	4.0	50.0	5.7	5.0	8.3	4.3	6.0	4.3	4.7	5.0
BARLENNIUM	4.7	4.0	53.3	5.7	5.3	8.3	4.3	6.3	4.3	5.0	5.0
BUCCANEER	3.7	3.7	50.0	5.0	4.3	7.7	4.3	6.3	4.0	4.0	5.0
CHARGER II	4.3	4.0	50.0	6.0	5.7	9.0	4.7	6.7	4.7	4.7	5.0
CHARISMATIC (LTP 98-501)	5.0	4.0	48.3	5.7	5.3	8.0	4.7	6.7	4.7	5.0	5.0
DIVINE	4.0	3.7	50.0	5.0	5.0	8.3	4.3	6.0	4.0	4.3	5.0
DP 17-9391	4.0	3.0	40.0	5.3	5.0	8.7	3.7	5.7	3.3	4.0	5.0
DP LP-1	4.7	3.7	53.3	6.3	5.3	9.0	4.3	6.3	5.0	4.0	5.0
ELFKIN	4.7	3.7	46.7	5.7	5.3	8.7	4.0	6.0	5.0	4.7	5.0
EP53	4.7	4.0	50.0	5.7	5.0	8.3	4.0	6.0	4.7	4.7	5.0
FIESTA 3	5.0	4.3	50.0	6.3	5.7	8.7	4.7	6.7	5.3	4.3	5.0
HEADSTART	4.3	4.0	50.0	6.0	5.0	8.3	4.3	6.3	4.3	4.3	5.0
MB 410 (ABT-99-4.629)	5.0	4.0	56.7	6.0	5.0	9.0	4.7	6.7	4.7	4.0	5.0
MONTEREY II (JR-187)	4.7	4.3	56.7	6.0	5.0	8.0	4.3	6.3	5.3	5.0	5.0
MP88	4.0	4.0	50.0	5.7	4.7	8.3	4.3	5.7	4.3	4.7	5.0
PALMER III	4.3	3.7	56.7	6.3	5.3	8.3	4.3	6.0	4.3	4.7	5.0
PARADIGM (APR 1236)	3.3	4.0	43.3	6.0	4.7	8.0	4.0	6.0	4.0	5.0	5.0
PHANTOM	4.0	4.0	51.7	5.3	4.7	8.7	4.3	6.3	4.7	4.3	5.0
PICK PR B-97	4.0	3.0	46.7	6.0	5.3	8.3	4.0	6.0	4.7	5.3	5.0
PICK PR QH-97	3.3	3.7	50.0	6.0	5.7	8.7	4.3	6.3	5.0	5.0	5.0
PREMIER II	4.3	4.3	56.7	6.0	5.7	8.3	5.0	7.0	4.0	5.0	5.0
PROSPORT (AG-P981)	4.0	4.0	51.7	6.7	5.0	8.7	4.7	6.3	4.7	4.7	5.0
PROWLER (APR 777)	4.0	3.7	50.0	5.7	5.0	8.3	4.0	6.0	4.0	4.3	5.0
BRIGHTSTAR SLT (PST-2A6B)	4.3	4.3	56.7	7.0	5.7	9.0	4.3	6.3	5.3	4.7	5.0
PST-2CRR	3.3	3.7	45.0	5.7	4.7	8.3	4.3	6.3	4.0	4.3	5.0
PST-2LA	4.7	4.3	60.0	6.7	5.3	8.7	4.7	6.3	4.7	5.3	5.0
PST-2SBE	4.7	4.0	53.3	6.3	5.0	8.7	5.0	6.7	4.3	4.0	5.0
PST-CATS	4.7	4.0	58.3	6.3	5.3	8.3	4.7	6.7	5.3	5.7	5.0
ROBERTS-627	4.3	4.3	50.0	5.7	5.0	7.3	5.0	6.7	5.3	5.7	5.0
SRX 4801	4.0	3.7	46.7	5.7	5.0	8.3	5.0	6.7	5.3	5.3	5.0
ABT-99-4.115	5.0	4.0	50.0	6.7	5.3	9.0	4.3	6.3	4.7	5.3	4.7
ABT-99-4.600	4.3	3.7	50.0	5.3	5.0	8.0	4.7	6.3	4.3	4.3	4.7
AFFIRMED	4.3	4.0	50.0	5.7	5.0	8.3	5.0	7.0	4.3	5.0	4.7
ALLSPORT	3.7	3.3	48.3	5.3	5.0	8.0	4.3	6.3	5.0	5.3	4.7
APR 1231	4.3	4.0	53.3	5.7	5.3	8.0	4.0	6.0	4.7	4.3	4.7
BY-100	4.0	3.7	46.7	6.3	5.7	9.0	4.0	6.0	4.3	5.0	4.7
CATALINA	4.0	4.3	50.0	6.0	5.0	8.0	4.3	6.0	4.3	4.7	4.7
CHURCHILL	4.7	4.3	50.0	6.0	5.3	8.7	5.0	6.7	5.0	5.3	4.7
CABO (CIS-PR-80)	4.3	4.0	50.0	5.3	5.7	8.3	4.7	6.7	5.0	5.3	4.7

TABLE 35. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS  
 AT PUYALLUP (TRAFFIC STUDY), WA  
 2000 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST

NAME	AFTER TRAFFIC IN MAY			AFTER TRAFFIC IN JULY			AFTER TRAFFIC IN SEPTEMBER			AFTER TRAFFIC IN NOVEMBER	
	QUALITY 6 WEEKS	QUALITY 8 WEEKS	% COVER 8 WEEKS	QUALITY 2 WEEKS	QUALITY 6 WEEKS	DENSITY 6 WEEKS	QUALITY 2 WEEKS	DENSITY 2 WEEKS	DENSITY 8 WEEKS	DENSITY 2 WEEKS	DENSITY 4 WEEKS
PICK RC2	4.3	4.0	45.0	5.7	5.0	8.3	5.0	6.7	4.3	5.3	4.7
DP 17-9069	4.3	4.0	55.0	6.3	5.3	8.7	3.7	5.7	4.3	4.0	4.7
EPD	4.0	4.0	51.7	5.3	5.0	8.3	4.3	6.0	4.3	4.7	4.7
EXACTA	4.7	4.3	56.7	5.7	5.7	8.3	4.7	6.3	4.7	5.3	4.7
EXTREME (JR-317)	4.7	4.0	50.0	6.3	5.0	8.3	4.3	6.0	4.7	5.3	4.7
GALAXY (JR-128)	4.3	4.0	46.7	5.3	5.0	7.3	5.0	6.7	5.7	5.0	4.7
MAJESTY	4.3	3.7	50.0	5.3	5.0	7.7	4.3	6.3	4.3	5.7	4.7
MB 412 (ABT-99-4.461)	4.0	4.0	46.7	6.0	5.0	8.0	4.0	5.7	4.7	4.7	4.7
MDP	4.0	4.0	50.0	6.0	5.0	8.7	4.0	6.0	4.0	5.0	4.7
NEXUS	3.3	4.0	45.0	6.0	5.3	8.7	4.3	6.0	5.0	4.7	4.7
PICK EX2	4.0	4.0	48.3	6.0	5.3	8.0	4.7	6.3	4.0	4.3	4.7
PICK MDR	4.0	3.7	46.7	6.0	5.0	8.3	4.0	6.0	5.7	5.7	4.7
MANHATTAN 4 (PST-2CRL)	4.3	4.3	56.7	6.3	6.0	9.0	5.0	6.7	5.0	5.3	4.7
PST-2RT	4.3	4.0	53.3	6.0	4.7	8.0	4.3	6.3	4.0	4.7	4.7
SEVILLE II	4.3	4.0	50.0	5.3	5.0	8.0	5.0	7.0	5.0	5.3	4.7
SR 4500	4.0	4.0	50.0	5.3	5.3	8.7	4.0	6.0	5.0	4.7	4.7
SRX 4120	4.0	4.0	46.7	5.0	4.7	8.7	4.0	5.7	4.0	4.3	4.7
STELLAR (CIS-PR-72)	4.7	4.0	53.3	5.3	4.7	8.3	4.7	6.7	4.7	4.7	4.7
WILMINGTON	4.3	4.3	56.7	6.0	5.7	8.0	4.3	6.3	5.0	5.0	4.7
APR 1233	4.7	4.0	50.0	6.0	4.7	8.3	4.3	6.0	3.7	4.3	4.3
APR 1234	4.0	4.3	43.3	5.0	4.7	7.3	4.0	6.0	4.0	4.3	4.3
CAS-LP84	4.3	4.0	53.3	5.7	5.0	8.3	4.0	6.0	4.3	4.7	4.3
KOOS R-71	4.0	4.0	40.0	5.3	5.0	8.7	4.0	5.7	4.0	4.3	4.3
LPR 98-143	4.0	3.7	50.0	6.0	4.7	7.7	4.7	6.3	4.3	4.3	4.3
LTP-ME	4.0	4.0	46.7	5.0	4.7	7.7	5.0	6.7	5.0	5.3	4.3
MP103	4.0	4.0	50.0	6.0	5.3	8.7	4.0	6.0	5.0	5.0	4.3
PREMIER	3.7	3.3	43.3	5.0	5.0	8.0	4.0	6.0	4.0	4.7	4.3
RACER	4.7	4.3	56.7	5.7	5.3	8.7	4.3	6.0	5.0	4.3	4.3
SKYHAWK	4.3	3.7	51.7	5.3	5.0	8.3	4.0	6.0	4.3	4.7	4.3
UT-1000 (ABT-99-4.709)	3.7	3.7	43.3	5.0	4.7	8.0	4.0	5.7	4.3	5.0	4.3
YATSUGREEN	4.0	3.0	43.3	5.0	4.7	7.7	4.3	5.7	3.3	4.0	4.3
APR 1235	4.3	3.7	43.3	5.0	4.3	8.0	4.3	6.0	4.3	4.7	4.0
APR 1237	4.3	4.0	50.0	5.3	4.7	8.3	4.3	6.3	3.7	4.3	4.0
ASCEND	3.7	3.7	46.7	5.3	4.3	7.7	4.3	6.0	4.7	5.0	4.0
DP 17-9496	3.7	2.7	40.0	5.0	4.0	8.0	4.3	5.3	3.3	4.0	4.0
MEPY	4.3	3.7	48.3	5.0	5.3	8.0	4.3	6.0	4.7	5.0	4.0
MP107	3.7	3.7	50.0	5.3	5.3	8.0	4.0	6.0	4.3	5.0	4.0
WVPB-R-84	3.5	4.0	50.0	6.0	5.0	8.0	4.0	6.0	3.7	4.3	4.0
APR 1232	4.3	3.3	40.0	5.7	4.7	7.3	3.7	5.7	4.0	4.0	3.7
LINN	3.0	2.0	36.7	3.7	3.3	6.3	3.0	4.7	3.0	3.0	3.3
LSD VALUE	1.2	1.2	22.6	2.8	1.7	2.3	1.4	1.3	1.2	1.2	2.2
C.V. (%)	12.8	13.1	14.4	15.1	13.1	8.8	12.2	8.6	13.6	12.3	15.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.

STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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