

TABLE 1.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT SUNNYVALE, CA 1/
2003 DATA

NAME	GENETIC COLOR	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/												
		JAN	FEB	MAR	APR	MAY	QUALITY RATINGS						MEAN	
							JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CHARGER II	7.7	6.3	6.3	6.3	5.3	5.0	6.3	6.3	6.7	7.0	8.0	7.3	7.7	6.6
PIZZAZZ	7.7	7.7	6.3	6.3	6.3	6.3	6.0	5.7	6.7	6.3	6.3	7.0	7.7	6.6
SR 4500	7.0	6.7	6.0	6.7	5.7	6.0	6.3	6.3	5.3	6.0	7.3	7.7	7.7	6.5
TERRADYNE (A5C)	7.3	7.3	7.0	6.7	6.3	5.3	5.7	5.3	6.3	6.7	7.0	5.7	7.0	6.4
AMAZING (B1)	7.3	6.7	6.0	5.7	6.0	5.7	6.0	6.0	6.7	6.7	6.7	7.0	6.7	6.3
EXACTA	6.0	6.7	5.7	6.0	5.7	5.7	6.0	6.0	6.7	6.3	7.0	7.0	7.0	6.3
MANHATTAN 4 (PST-2CRL)	7.7	6.7	7.0	5.7	5.7	5.3	5.7	5.7	5.7	5.7	7.0	7.7	7.7	6.3
PROTYME (ABT-99-4.625)	7.3	6.7	6.3	6.0	5.7	5.7	6.0	6.3	6.7	5.7	6.0	6.7	8.0	6.3
SEVILLE II	8.3	5.0	6.0	4.7	6.0	5.3	6.0	5.7	6.7	7.3	7.0	7.7	7.7	6.3
CALYPSO II	6.3	6.3	7.3	6.7	6.3	6.0	6.0	5.0	6.0	5.0	6.3	6.3	6.7	6.2
DAZZLE (ABT-99-4.724)	6.7	7.3	6.0	6.0	6.3	6.0	7.0	5.7	6.0	5.0	5.3	6.7	6.7	6.2
KOKOMO (CIS-PR-69)	7.0	6.7	6.3	5.7	5.7	5.7	6.0	5.7	6.7	6.7	7.0	6.0	6.7	6.2
MACH 1 (ROBERTS-627)	7.0	6.7	5.3	5.7	5.7	5.3	6.0	5.3	6.0	6.7	7.0	7.3	7.0	6.2
PST-2JH	6.0	5.7	6.0	6.0	5.3	6.3	5.7	6.0	6.3	6.3	7.7	7.0	6.3	6.2
PST-2LA	6.3	7.0	5.3	6.0	6.0	6.0	6.3	6.0	6.7	6.0	5.7	7.0	6.3	6.2
BARLENNIUM	7.3	6.7	6.3	6.3	6.0	6.3	6.0	5.0	6.0	6.0	5.3	6.3	6.3	6.1
ELFKIN	7.3	5.7	5.7	6.3	5.7	6.0	5.7	5.3	6.7	6.0	6.7	6.7	6.7	6.1
PENTIUM (NJ-6401)	7.0	6.3	5.7	6.7	6.7	6.0	5.7	5.3	6.0	5.3	5.7	6.7	7.0	6.1
PICK EX2	5.0	6.7	6.7	6.0	6.0	5.7	6.0	6.3	5.7	5.7	5.7	6.0	6.3	6.1
SECRETARIAT	6.7	5.3	6.0	6.3	5.7	5.7	6.0	5.7	6.3	6.3	6.7	6.7	6.0	6.1
IQ (CIS-PR-75)	7.0	6.0	6.3	6.3	6.0	5.7	6.0	5.0	5.0	5.7	6.3	6.3	7.7	6.0
JET	7.0	6.3	6.7	6.3	5.7	4.7	6.0	5.7	5.0	5.0	6.0	7.0	7.7	6.0
PST-2M4	8.0	6.3	6.0	5.7	5.3	5.7	5.7	5.3	6.0	5.3	6.7	7.0	7.3	6.0
SALINAS (PST-2SLX)	6.3	6.3	7.3	6.0	5.3	5.7	6.0	6.7	5.3	4.7	5.7	6.3	6.3	6.0
SUNKISSED (ABT-99-4.834)	6.7	6.3	6.3	5.7	6.0	6.0	6.0	5.0	5.7	5.3	6.3	6.7	7.0	6.0
ABT-99-4.115	6.7	7.0	6.7	6.0	6.3	5.7	5.7	5.7	5.0	4.7	5.7	6.0	6.0	5.9
ABT-99-4.339	5.3	6.3	6.0	5.7	6.0	5.7	6.3	5.7	6.3	5.3	5.7	6.0	6.0	5.9
AFFIRMED	6.0	6.0	6.0	5.7	5.7	6.0	6.0	5.3	6.3	5.7	5.7	6.0	6.0	5.9
APPLAUD (PENNINGTON-11301)	6.3	7.3	6.7	5.7	5.3	5.3	5.7	5.7	5.3	5.3	6.0	5.7	6.3	5.9
APR 1234	7.3	6.0	6.0	6.0	5.3	5.3	5.7	6.0	5.3	5.7	5.7	6.3	7.3	5.9
BLAZER IV (PICK MDR)	7.3	5.7	6.0	5.0	5.0	5.3	5.3	5.7	6.7	5.7	6.7	7.3	7.0	5.9
BRIGHTSTAR SLT (PST-2A6B)	7.7	7.0	6.7	6.0	5.0	5.0	5.7	6.3	5.3	5.0	6.0	6.0	7.0	5.9
CABO (CIS-PR-80)	7.3	6.3	6.0	6.0	5.0	5.7	5.7	5.3	5.3	5.0	6.3	6.7	7.7	5.9
FIESTA 3	7.3	6.0	5.7	5.7	5.3	5.3	5.7	5.0	5.3	6.0	6.3	7.7	7.0	5.9
MAJESTY	7.7	6.7	6.7	6.0	5.7	6.0	5.3	5.3	5.3	5.0	5.7	6.3	6.7	5.9
MDP	6.7	7.0	6.7	6.0	5.7	4.7	6.0	5.7	5.3	5.0	5.0	6.3	7.0	5.9
NEXUS	6.0	6.0	6.0	5.3	4.7	5.3	6.3	5.3	5.7	6.0	7.0	6.3	7.3	5.9
PINNACLE II (BAR 9 B2)	7.0	6.0	6.0	5.7	5.7	5.7	6.0	6.0	6.0	5.7	6.3	5.0	6.3	5.9
PST-2RT	7.0	6.7	7.0	6.0	4.7	4.3	6.0	5.7	5.3	5.7	6.3	6.0	6.7	5.9
RENAISSANCE (APR 1233)	6.3	6.3	5.7	6.3	5.0	6.0	6.3	6.3	5.0	4.3	5.7	6.7	6.7	5.9
SR 4220 (SRX 4801)	6.7	6.7	6.3	5.7	5.3	4.7	5.7	6.0	5.3	6.3	6.0	6.3	6.7	5.9
SR 4350 (APR 1237)	6.3	5.7	6.3	5.3	5.3	5.3	6.0	6.7	5.7	5.0	6.0	6.3	6.7	5.9
WILMINGTON	6.7	6.3	6.0	5.7	5.7	5.0	5.7	5.7	5.7	5.3	6.7	6.0	6.7	5.9
ABT-99-4.600	6.0	5.7	5.7	6.7	5.7	4.0	5.7	6.0	5.3	5.3	6.3	6.0	7.3	5.8
ABT-99-4.965	7.3	6.3	5.7	4.7	5.0	5.7	6.0	6.0	5.0	5.3	6.7	6.0	7.0	5.8
APR 1235	7.7	6.3	5.3	5.7	5.0	4.3	5.3	5.3	5.0	5.7	7.0	7.0	7.0	5.8
BRIGHTSTAR II	6.7	6.0	5.7	5.7	5.3	4.7	5.3	5.7	5.3	5.7	6.7	7.0	6.7	5.8

TABLE 1. (CINT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT SUNNYVALE, CA 1/
2003 DATA

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

NAME	GENETIC	QUALITY RATINGS												MEAN
	COLOR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CATHEDRAL II	7.0	5.0	5.7	5.7	5.3	4.7	5.3	4.7	5.3	6.3	7.7	7.0	7.3	5.8
EDGE	6.3	5.7	6.0	5.7	4.3	5.7	6.0	6.0	5.7	5.3	5.7	6.3	6.7	5.8
GATOR 3 (CIS-PR-85)	5.7	6.3	6.0	5.7	5.3	5.7	6.0	5.7	5.7	5.3	6.0	6.7	5.7	5.8
ICON (MB 414)	6.7	6.0	6.0	5.3	5.0	5.3	6.0	5.3	5.7	5.3	6.3	6.7	6.7	5.8
LINE DRIVE	6.7	5.3	5.7	5.7	5.0	5.3	5.3	6.0	5.7	6.0	6.3	6.0	6.7	5.8
MP88	7.0	6.3	5.7	5.3	4.7	5.3	6.0	5.3	5.3	5.7	6.3	6.7	6.3	5.8
PACESETTER (6011)	5.7	6.3	6.3	5.7	5.3	5.7	5.7	5.3	6.0	4.3	5.0	6.3	7.0	5.8
PARAGON	6.7	6.3	5.7	5.7	5.3	5.7	6.0	5.7	5.7	5.7	5.0	6.3	6.7	5.8
PR 1-94 (PICK PR 1-94)	7.7	5.7	6.0	6.3	5.7	5.3	4.7	4.3	5.0	5.3	6.7	7.3	7.7	5.8
SR 4420 (SRX 4820)	6.3	6.3	5.7	5.3	5.3	6.0	6.3	5.7	6.0	4.3	4.7	6.0	7.3	5.8
SRX 4120	6.3	5.7	6.0	6.0	5.3	6.0	6.0	5.7	5.3	5.7	5.7	6.0	6.3	5.8
ABT-99-4.464	6.3	5.0	4.7	5.3	6.0	5.3	5.7	6.0	5.3	5.7	6.3	6.3	6.3	5.7
AFFINITY	6.0	6.3	5.3	5.3	5.0	5.0	6.0	5.7	5.3	5.3	5.7	6.7	6.7	5.7
APR 776	6.3	6.0	5.7	6.0	5.0	4.7	6.0	5.3	5.7	5.3	6.3	6.0	6.7	5.7
ARRIVAL (CIS-PR-84)	5.7	6.7	5.7	5.3	4.7	5.3	5.3	5.7	6.0	5.3	6.7	6.0	5.7	5.7
CAS-LP84	6.7	6.3	6.0	5.7	5.7	5.0	5.7	6.0	5.7	5.0	5.3	6.0	6.3	5.7
CATALINA II (PST-CATS)	5.7	6.3	6.3	5.7	5.3	5.7	5.3	5.3	5.3	4.3	5.7	6.3	6.7	5.7
CHURCHILL	6.7	6.3	5.3	6.0	6.0	5.7	5.7	6.7	5.0	4.3	5.0	5.7	6.3	5.7
CITATION FORE (PST-2BR)	5.7	6.3	5.3	5.3	5.0	5.0	6.3	5.0	5.7	5.7	6.3	6.0	6.3	5.7
DLF-LDD	6.7	5.3	6.0	5.7	5.3	5.0	5.3	5.3	5.3	5.7	6.0	6.7	6.3	5.7
LPR 98-143	5.3	5.7	5.7	5.7	5.0	5.0	5.7	5.0	5.3	5.7	7.3	6.0	6.3	5.7
MANHATTAN 3	6.0	7.3	6.3	6.3	5.3	4.7	6.0	6.3	4.7	5.0	5.3	5.7	5.7	5.7
PICK PR B-97	6.3	5.7	5.7	5.7	5.7	5.3	5.7	5.3	5.3	6.0	5.7	6.0	6.0	5.7
PREMIER II	5.0	5.7	6.0	6.0	5.7	5.3	5.7	5.3	5.3	5.3	5.7	5.7	6.3	5.7
LS 2100 (PST-2SBE)	6.7	5.7	5.7	5.7	5.3	5.3	6.0	6.0	5.7	5.0	5.7	5.7	6.7	5.7
WVPB-R-84	5.7	6.0	6.0	6.0	5.7	5.0	5.7	5.7	5.3	5.3	5.7	5.7	6.0	5.7
ABT-99-4.815	5.0	5.0	5.3	6.0	5.7	6.0	6.0	5.7	5.3	5.0	6.0	5.3	6.0	5.6
APR 1231	5.7	6.0	5.7	5.0	5.3	5.0	5.7	5.7	5.7	5.7	5.7	6.0	6.0	5.6
ASCEND	6.3	5.7	5.7	5.7	5.3	4.3	5.3	5.3	4.7	5.0	6.3	6.7	7.7	5.6
DIVINE	6.7	6.0	6.0	6.0	5.3	5.3	6.0	5.0	4.7	5.0	5.3	6.0	7.0	5.6
PEARL II (EPD)	6.0	6.7	5.3	5.7	5.0	5.7	6.0	5.0	4.3	5.0	6.3	6.3	6.3	5.6
GRAND SLAM 2L96 (PST-2L96)	6.3	6.7	6.0	5.0	4.7	5.3	5.7	5.7	5.3	5.3	5.7	6.0	6.3	5.6
HEADSTART	5.7	5.3	6.0	5.3	4.3	4.3	5.7	5.3	5.7	5.7	6.3	6.7	6.3	5.6
INSPIRE (R8000)	7.0	5.7	5.7	5.3	5.3	5.0	5.0	5.3	5.0	5.7	7.0	6.7	6.0	5.6
JR-128	5.0	5.0	6.0	5.3	5.3	6.0	5.3	5.7	5.7	5.3	6.0	6.7	5.3	5.6
KOOS R-71	5.0	6.0	5.7	6.0	5.0	5.0	6.0	5.0	5.0	4.7	5.7	6.3	6.3	5.6
LTP-ME	7.0	6.0	5.7	5.7	5.3	5.7	5.0	4.7	5.0	5.0	6.7	6.0	6.7	5.6
PARADIGM (APR 1236)	7.3	5.7	5.3	6.0	5.3	4.7	5.3	5.0	5.0	4.7	6.0	6.7	7.3	5.6
PLEASURE XL	6.0	5.3	5.7	5.7	5.0	5.3	6.0	6.0	5.3	5.3	5.7	6.0	5.3	5.6
PROMISE	7.0	5.7	7.0	6.0	5.3	4.7	4.7	4.0	4.7	5.0	6.0	7.0	7.0	5.6
PROWLER (APR 777)	6.0	6.0	5.7	5.7	5.0	5.7	4.7	4.3	5.7	5.3	6.0	6.0	6.7	5.6
RACER II (PICK RC2)	6.3	5.3	5.0	5.3	5.3	5.0	5.0	5.3	5.7	5.3	6.0	7.3	7.0	5.6
SUPERSTAR (EP57)	6.3	5.7	6.0	6.3	6.0	5.0	5.0	5.3	5.3	5.0	6.0	5.7	6.0	5.6
ADMIRE (JR-151)	5.7	6.0	5.7	5.7	5.3	5.7	5.7	5.3	4.7	4.7	5.7	6.0	6.0	5.5
ALL STAR2 (CIS-PR-78)	6.7	6.0	5.7	6.3	5.3	5.7	5.7	5.0	5.3	4.0	5.0	5.7	6.3	5.5
APR 1232	5.7	6.3	5.0	5.7	5.3	5.7	5.0	5.0	5.0	5.0	5.7	6.3	6.3	5.5
CRUISER (ABT-99-4.709)	5.7	5.3	6.0	6.0	5.7	5.3	5.0	5.3	5.0	4.0	5.0	6.0	7.0	5.5

TABLE 1. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT SUNNYVALE, CA 1/
2003 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
EXTREME (JR-317)	6.7	5.3	6.0	5.7	5.0	5.0	5.7	5.3	4.7	6.0	5.7	5.7	6.3	5.5
HAWKEYE (SRX 4RHT)	6.3	6.0	6.0	5.3	5.3	5.3	6.0	5.3	5.3	5.0	4.7	5.3	6.0	5.5
MP103	6.3	5.7	5.7	5.0	5.3	5.0	5.0	4.7	5.7	5.3	5.7	6.3	7.0	5.5
PALMER III	6.0	6.3	5.0	6.0	5.7	5.3	5.3	5.3	5.7	4.7	5.3	5.7	6.0	5.5
ABT-99-4.560	5.3	5.7	5.0	5.3	5.3	5.0	5.7	4.7	5.3	5.3	6.3	5.3	5.3	5.4
BY-100	6.7	6.0	5.7	5.7	4.7	6.0	5.7	4.7	5.0	5.0	4.7	5.3	6.3	5.4
CATALINA	6.7	4.7	6.0	5.7	5.3	5.3	5.3	5.0	5.3	5.0	4.7	6.3	6.0	5.4
COURAGE (MB 410)	6.3	6.0	5.7	6.0	5.0	5.3	5.7	5.3	4.0	4.3	5.7	5.3	6.0	5.4
EP53	6.3	5.3	5.3	5.0	5.3	6.0	6.7	5.7	5.7	5.0	4.3	5.3	5.7	5.4
LPR 98-144	5.3	6.0	5.7	5.7	5.3	5.0	5.0	4.3	4.7	4.3	5.7	7.0	6.7	5.4
MEPY	6.3	6.0	5.7	5.3	4.7	4.7	5.3	4.7	5.3	5.3	5.3	6.0	6.7	5.4
PANTHER	5.7	5.7	5.7	6.0	5.7	4.7	5.7	5.7	5.0	4.3	5.3	5.3	6.0	5.4
PENNANT II	6.0	6.0	6.0	5.0	5.0	5.7	5.3	5.7	4.7	5.0	5.3	5.7	6.0	5.4
PICK PRNGS	5.7	5.7	4.7	6.0	5.7	6.3	5.0	5.3	4.7	4.3	4.7	6.3	6.0	5.4
PREMIER	5.7	5.0	5.0	6.3	4.7	4.0	5.3	5.7	5.3	5.0	5.7	6.0	6.3	5.4
QUEST II (ABT-99-4.721)	7.0	5.7	5.7	5.3	5.0	5.3	5.7	4.3	5.7	5.0	5.0	6.0	6.7	5.4
RACER	6.0	5.7	5.7	5.7	5.7	4.3	5.7	5.7	4.7	4.0	5.0	5.3	7.3	5.4
RADIANT	5.0	6.0	6.0	5.7	5.7	5.3	5.7	5.3	5.0	3.7	5.7	5.7	5.7	5.4
STELLAR (CIS-PR-72)	5.7	6.0	5.0	5.3	5.3	5.0	6.0	5.7	5.7	4.3	5.3	5.0	6.3	5.4
ALLSPORT	4.7	5.3	5.7	6.0	5.3	5.0	5.7	4.7	5.3	5.0	5.3	5.3	5.3	5.3
CHARISMATIC (LTP 98-501)	6.3	6.3	5.7	5.7	4.7	5.0	5.3	5.0	5.3	4.7	5.0	5.3	5.7	5.3
DP 17-9069	5.7	5.3	4.7	4.7	3.7	4.7	6.0	5.3	5.3	5.7	6.0	6.3	6.3	5.3
GALLERY (MB 412)	5.7	5.7	5.7	5.7	5.0	4.7	5.0	5.0	5.3	4.3	4.7	5.7	6.3	5.3
MONTEREY II (JR-187)	5.3	6.0	6.0	5.7	5.0	4.7	5.0	4.7	5.3	4.3	5.0	5.7	6.3	5.3
MP107	4.7	6.0	5.7	5.3	5.3	5.3	5.3	4.7	5.0	5.0	5.0	5.3	5.3	5.3
PASSPORT	4.7	6.0	6.3	6.0	5.3	5.0	5.3	5.0	4.7	4.7	4.7	4.7	5.3	5.3
PICK PR QH-97	6.0	6.0	6.3	5.3	5.3	5.3	5.7	5.0	4.3	4.3	4.3	6.0	6.0	5.3
PROSPORT (AG-P981)	6.7	4.7	4.7	5.3	5.3	5.0	5.7	5.3	5.0	4.3	5.7	5.7	7.3	5.3
DP LP-1	4.7	5.3	5.0	5.0	5.3	5.0	5.3	5.7	5.0	4.7	5.3	5.3	5.7	5.2
PST-2CRR	5.7	5.3	5.7	5.0	5.3	5.0	5.0	4.7	5.0	4.7	5.7	5.3	5.7	5.2
SPLendid (MB 411)	6.0	5.7	6.3	5.3	4.7	3.7	5.0	5.0	4.3	3.7	6.0	6.0	7.0	5.2
PHANTOM	6.3	5.7	5.3	5.3	5.0	4.7	5.0	4.0	4.7	4.3	5.0	5.7	6.0	5.1
SKYHAWK	5.0	6.0	6.0	5.3	5.0	5.3	5.0	4.3	5.0	4.3	5.0	5.0	5.3	5.1
SUMMERSET (MB 413)	5.3	5.3	5.3	5.7	5.3	5.3	5.0	4.7	5.3	4.3	4.7	4.7	5.3	5.1
BUCCANEER	4.3	5.0	5.7	5.0	4.7	4.7	5.3	5.0	4.3	4.0	4.7	5.7	5.0	4.9
WVPB-R-82	4.7	6.0	5.0	4.7	4.7	4.0	5.3	4.7	5.7	4.0	5.0	5.0	5.0	4.9
YATSUGREEN	4.3	4.3	4.7	4.3	4.0	5.0	4.7	4.3	5.0	4.7	6.3	6.0	4.7	4.8
DP 17-9391	5.0	4.7	4.0	4.3	3.7	4.0	6.0	4.7	4.3	4.7	5.7	5.3	5.0	4.7
DP 17-9496	2.7	4.0	4.7	4.7	4.0	3.7	5.3	4.3	4.0	3.3	5.0	4.3	4.0	4.3
LINN	4.0	3.3	4.7	4.0	3.0	3.7	5.3	4.0	3.0	2.7	3.7	3.7	4.0	3.8
LSD VALUE	2.6	2.4	2.6	3.0	1.8	2.2	3.8	5.6	2.0	3.3	4.6	2.5	2.6	1.0
C.V. (%)	18.8	15.7	14.7	14.1	14.1	15.7	13.5	19.3	15.7	21.5	21.1	16.0	16.1	8.5

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.

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
2003 DATA

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

NAME	GENETIC	SPRING	LEAF	QUALITY RATINGS						MEAN
	COLOR	GREENUP	TEXTURE	MAY	JUN	JUL	AUG	SEP	OCT	
APR 1232	9.0	6.3	8.7	9.0	8.0	7.3	6.0	7.0	8.7	7.7
PARAGON	9.0	5.3	9.0	8.7	7.3	7.7	6.0	7.3	9.0	7.7
BRIGHTSTAR SLT (PST-2A6B)	9.0	6.3	9.0	9.0	8.0	7.3	5.7	6.7	8.7	7.6
COURAGE (MB 410)	9.0	6.7	9.0	9.0	7.7	7.3	6.0	7.0	8.7	7.6
GATOR 3 (CIS-PR-85)	9.0	6.7	8.3	8.3	7.7	7.3	6.0	7.3	9.0	7.6
PST-2CRR	8.7	5.7	9.0	8.7	7.7	7.3	5.7	7.7	8.7	7.6
PST-2JH	8.7	6.0	9.0	9.0	7.7	7.3	6.0	7.0	8.3	7.6
PST-2LA	9.0	5.3	8.3	8.0	7.7	8.0	6.0	7.3	8.7	7.6
RACER II (PICK RC2)	8.7	7.0	8.7	8.7	7.3	7.7	6.0	7.3	8.7	7.6
SR 4220 (SRX 4801)	9.0	5.3	9.0	8.7	7.7	7.7	6.0	6.7	8.7	7.6
ABT-99-4.560	9.0	4.3	8.7	8.3	7.3	7.3	6.0	7.3	8.7	7.5
PIZZAZZ	9.0	5.3	8.7	8.3	8.0	7.3	5.7	7.0	8.7	7.5
ABT-99-4.115	8.3	6.0	8.3	8.3	7.3	7.0	6.0	7.3	8.3	7.4
BLAZER IV (PICK MDR)	9.0	6.0	8.7	8.7	7.7	7.3	5.7	7.0	8.0	7.4
CAS-LP84	9.0	5.7	8.3	8.0	7.3	7.3	5.7	7.0	9.0	7.4
CATALINA	9.0	5.7	9.0	8.0	7.0	7.7	5.7	7.3	8.7	7.4
CHARISMATIC (LTP 98-501)	9.0	5.3	8.7	8.0	7.3	7.3	6.0	7.3	8.7	7.4
GRAND SLAM 2L96 (PST-2L96)	8.7	5.0	8.7	8.7	8.0	7.0	6.0	6.7	8.3	7.4
MONTEREY II (JR-187)	8.7	6.7	9.0	8.3	7.3	7.0	6.0	7.0	8.7	7.4
MP107	8.7	5.3	8.7	8.3	7.3	7.7	5.7	7.0	8.7	7.4
PARADIGM (APR 1236)	8.7	6.7	8.0	8.7	7.7	7.0	5.7	7.0	8.7	7.4
PINNACLE II (BAR 9 B2)	9.0	5.3	9.0	8.7	7.7	6.7	5.3	7.3	8.7	7.4
PREMIER II	8.3	5.7	8.3	7.7	7.3	7.7	5.7	7.0	9.0	7.4
PST-2RT	8.7	5.3	9.0	8.3	7.7	7.3	5.7	7.0	8.3	7.4
RADIANT	8.7	5.7	8.7	8.7	7.7	7.3	5.3	7.0	8.3	7.4
SEVILLE II	9.0	6.0	9.0	8.7	7.0	7.3	5.7	7.0	8.7	7.4
WILMINGTON	9.0	5.7	8.7	8.7	8.0	7.0	5.3	7.3	8.3	7.4
ABT-99-4.464	9.0	5.3	9.0	8.7	7.3	7.0	6.0	7.0	8.0	7.3
AFFIRMED	8.7	6.3	9.0	8.3	7.7	7.0	5.7	6.7	8.3	7.3
ALLSPORT	9.0	6.0	9.0	8.7	7.0	7.0	5.7	7.0	8.3	7.3
APR 1235	8.0	5.0	8.0	7.7	7.3	7.3	5.7	7.0	8.7	7.3
CABO (CIS-PR-80)	8.3	6.0	9.0	8.0	7.7	7.0	5.0	7.3	8.7	7.3
INSPIRE (R8000)	9.0	5.7	9.0	8.7	7.0	7.3	5.3	7.0	8.3	7.3
KOKOMO (CIS-PR-69)	9.0	5.3	9.0	8.3	7.3	7.3	5.7	6.7	8.3	7.3
MANHATTAN 3	9.0	5.0	9.0	8.3	7.7	7.7	5.3	6.7	8.3	7.3
PENNANT II	9.0	6.0	9.0	8.3	7.3	7.3	5.3	7.0	8.7	7.3
PROSPORT (AG-P981)	9.0	5.7	9.0	8.7	7.3	7.3	5.3	7.0	8.3	7.3
RENAISSANCE (APR 1233)	8.0	5.3	8.7	7.7	7.3	6.7	5.7	7.7	8.7	7.3
SUMMERSET (MB 413)	9.0	5.3	8.7	8.3	7.7	6.7	5.7	7.0	8.3	7.3
ABT-99-4.339	9.0	4.7	9.0	8.3	6.7	7.3	5.7	7.0	8.3	7.2
ABT-99-4.965	9.0	5.0	8.7	9.0	7.0	7.3	5.3	6.7	7.7	7.2
APR 1231	8.7	5.3	8.7	8.3	7.3	6.3	5.7	7.0	8.7	7.2
ARRIVAL (CIS-PR-84)	9.0	5.7	9.0	8.7	7.0	7.3	5.7	6.7	8.0	7.2
CATHEDRAL II	8.7	6.3	9.0	8.0	7.3	7.0	5.3	7.0	8.3	7.2
CHARGER II	9.0	5.3	9.0	7.7	7.0	7.0	6.0	7.0	8.3	7.2
CITATION FORE (PST-2BR)	9.0	5.7	8.7	8.7	7.0	7.0	5.7	6.7	8.3	7.2
DLF-LDD	8.3	5.0	8.3	8.3	7.3	7.3	5.3	6.7	8.3	7.2

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS							MEAN
				MAY	JUN	JUL	AUG	SEP	OCT		
GALLERY (MB 412)	8.7	6.0	8.7	8.0	7.3	7.3	5.7	7.0	7.7	7.2	
ICON (MB 414)	8.3	7.0	8.7	7.7	7.0	7.3	5.7	7.3	8.3	7.2	
IQ (CIS-PR-75)	8.7	4.7	8.3	8.3	7.0	7.0	5.7	7.0	8.3	7.2	
MACH 1 (ROBERTS-627)	9.0	5.3	9.0	9.0	7.3	6.7	5.3	6.7	8.0	7.2	
MP88	8.3	5.7	9.0	8.0	7.0	7.0	6.0	7.0	8.3	7.2	
PICK EX2	9.0	7.0	8.7	9.0	7.3	7.0	6.0	6.7	7.3	7.2	
PICK PR QH-97	8.7	6.3	8.7	8.7	7.0	7.3	5.3	6.7	8.3	7.2	
PST-2M4	8.7	5.7	8.7	8.7	7.3	7.0	5.3	6.7	8.0	7.2	
QUEST II (ABT-99-4.721)	9.0	3.3	9.0	8.3	7.0	7.3	5.7	7.0	8.0	7.2	
SR 4500	9.0	6.3	9.0	9.0	7.0	7.0	5.7	6.7	8.0	7.2	
ABT-99-4.600	8.7	4.7	8.7	8.3	7.7	7.3	5.3	6.3	7.7	7.1	
ADMIRE (JR-151)	8.7	6.0	8.7	8.3	6.7	7.0	5.3	6.7	8.3	7.1	
ASCEND	8.0	5.7	8.3	7.7	6.7	7.3	5.0	7.3	8.7	7.1	
CALYPSO II	8.3	6.0	8.7	8.0	7.0	7.3	5.7	7.0	7.7	7.1	
CRUISER (ABT-99-4.709)	9.0	5.3	9.0	8.0	7.0	7.3	5.7	6.7	7.7	7.1	
DIVINE	8.3	5.7	9.0	8.0	6.7	6.7	5.7	7.3	8.3	7.1	
DP LP-1	8.3	6.3	9.0	8.0	7.3	6.7	5.7	7.0	8.0	7.1	
ELFKIN	8.7	6.3	9.0	8.0	7.0	7.0	5.7	7.0	7.7	7.1	
EXACTA	8.7	5.0	8.7	7.3	6.3	7.0	5.7	7.7	8.3	7.1	
HAWKEYE (SRX 4RHT)	8.7	5.0	8.3	8.3	7.3	7.3	5.0	6.7	8.0	7.1	
MP103	9.0	6.0	9.0	8.0	6.5	7.0	5.5	7.0	8.5	7.1	
PALMER III	8.3	6.0	9.0	8.3	7.3	7.3	5.7	6.3	7.7	7.1	
PLEASURE XL	8.7	5.7	9.0	8.0	7.0	7.0	5.0	7.0	8.3	7.1	
PROMISE	9.0	5.3	8.7	8.0	7.0	7.0	5.7	7.0	8.0	7.1	
LS 2100 (PST-2SBE)	8.7	5.0	9.0	8.3	7.3	7.0	5.3	7.0	7.7	7.1	
RACER	8.3	6.3	8.3	8.0	7.0	6.3	6.0	7.0	8.3	7.1	
SKYHAWK	9.0	4.7	8.7	7.7	7.0	7.0	6.0	6.7	8.0	7.1	
SPLENDID (MB 411)	9.0	6.7	8.7	8.3	7.3	7.0	5.7	6.7	7.7	7.1	
SR 4350 (APR 1237)	8.0	5.3	8.3	7.7	7.0	7.3	5.3	6.7	8.7	7.1	
SR 4420 (SRX 4820)	8.7	5.3	9.0	8.0	7.0	6.3	5.0	7.3	8.7	7.1	
STELLAR (CIS-PR-72)	9.0	5.0	8.3	8.7	7.0	7.3	5.7	6.7	7.3	7.1	
AMAZING (B1)	9.0	5.0	9.0	8.3	7.0	6.7	5.3	6.7	8.0	7.0	
APR 1234	8.7	5.0	9.0	8.0	7.3	6.7	5.3	6.7	8.0	7.0	
BRIGHTSTAR II	9.0	6.3	9.0	8.3	6.7	7.0	5.3	6.7	8.0	7.0	
DAZZLE (ABT-99-4.724)	9.0	5.0	8.3	8.3	7.0	7.0	5.7	6.3	7.7	7.0	
FIESTA 3	8.7	4.7	8.3	7.7	7.0	6.7	5.3	6.7	8.7	7.0	
JR-128	8.7	6.0	9.0	7.7	6.7	6.7	5.7	7.0	8.3	7.0	
LINE DRIVE	9.0	6.0	8.7	8.3	7.0	6.7	5.3	6.7	8.0	7.0	
MANHATTAN 4 (PST-2CRL)	9.0	5.0	9.0	8.3	7.0	6.7	5.3	6.7	8.0	7.0	
PENTIUM (NJ-6401)	8.3	6.0	9.0	7.3	7.0	6.7	5.3	7.0	8.7	7.0	
SALINAS (PST-2SLX)	8.3	4.7	9.0	8.0	6.7	7.0	5.7	6.3	8.3	7.0	
SUNKISSED (ABT-99-4.834)	8.7	5.7	8.7	8.3	7.0	7.3	5.7	6.3	7.3	7.0	
ABT-99-4.815	8.7	5.7	8.7	7.7	7.0	7.0	5.0	7.0	7.7	6.9	
BARLENNIUM	8.0	7.0	9.0	7.3	6.3	7.0	5.7	6.7	8.3	6.9	
CATALINA II (PST-CATS)	8.7	5.0	8.7	7.3	7.0	7.0	5.0	7.0	8.3	6.9	
CHURCHILL	8.0	5.3	8.7	7.7	7.0	7.3	5.0	6.7	8.0	6.9	
JET	8.7	4.3	9.0	7.3	7.0	7.0	5.7	6.7	8.0	6.9	

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS						MEAN
				MAY	JUN	JUL	AUG	SEP	OCT	
LPR 98-144	9.0	6.7	8.7	8.7	6.7	7.0	5.3	6.7	7.3	6.9
LTP-ME	8.3	5.3	8.7	8.0	6.3	7.3	5.3	6.7	7.7	6.9
MAJESTY	8.3	5.7	8.7	8.0	6.3	6.7	5.3	7.0	8.0	6.9
MDP	8.3	4.7	9.0	8.0	7.0	7.0	5.3	6.7	7.7	6.9
MEPY	7.7	6.0	7.7	7.7	6.7	7.0	5.7	6.7	8.0	6.9
PACESETTER (6011)	9.0	6.0	9.0	8.3	7.0	7.0	5.0	6.3	7.7	6.9
PANTHER	8.3	6.3	9.0	8.3	7.0	7.0	5.3	6.3	7.7	6.9
PASSPORT	8.3	6.7	9.0	8.0	6.7	6.7	5.3	6.3	8.3	6.9
PHANTOM	9.0	6.7	8.7	7.7	6.3	6.7	5.3	7.0	8.3	6.9
PR 1-94 (PICK PR 1-94)	8.0	6.3	8.7	8.0	7.0	7.0	5.3	6.3	7.7	6.9
PREMIER	8.3	5.3	8.7	8.0	7.3	6.7	4.7	6.7	8.0	6.9
SECRETARIAT	8.7	5.3	8.7	8.3	6.7	7.0	5.3	6.3	8.0	6.9
SRX 4120	8.7	6.7	8.7	8.0	7.0	7.0	5.3	6.7	7.7	6.9
AFFINITY	8.0	5.3	8.3	7.3	6.7	6.7	5.7	6.7	8.0	6.8
ALL STAR2 (CIS-PR-78)	9.0	5.7	9.0	8.3	7.0	7.0	4.7	6.7	7.3	6.8
BUCCANEER	8.0	7.0	8.3	8.0	6.7	6.7	5.7	6.7	7.3	6.8
EP53	8.3	3.7	8.7	7.7	6.7	6.7	5.0	6.7	8.0	6.8
EXTREME (JR-317)	9.0	6.7	9.0	7.3	7.0	6.7	5.7	6.3	8.0	6.8
KOOS R-71	8.3	5.7	8.7	8.7	7.3	6.3	5.3	6.3	7.0	6.8
NEXUS	8.7	5.0	8.7	7.7	6.7	6.7	5.0	6.7	8.3	6.8
TERRADYNE (A5C)	9.0	4.7	8.7	8.7	6.7	6.7	5.0	6.7	7.0	6.8
BY-100	8.7	7.0	9.0	7.7	6.3	6.3	5.3	6.7	7.7	6.7
EDGE	8.7	5.3	8.7	7.7	6.7	6.0	5.3	7.0	7.3	6.7
PICK PRNGS	8.7	6.0	9.0	7.7	7.0	6.0	5.3	6.7	7.3	6.7
PROTYME (ABT-99-4.625)	8.3	5.3	8.3	7.7	6.3	6.7	5.3	6.7	7.7	6.7
SUPERSTAR (EP57)	8.7	6.3	8.3	8.0	7.0	7.0	5.0	6.3	7.0	6.7
APR 776	8.7	5.3	8.7	7.7	6.7	6.3	5.7	6.3	7.0	6.6
DP 17-9069	7.3	4.3	8.3	7.3	6.7	6.3	5.0	6.7	7.7	6.6
PEARL II (EPD)	8.3	5.7	8.7	7.3	7.0	7.3	4.3	6.3	7.3	6.6
HEADSTART	8.7	6.3	9.0	7.0	6.7	6.7	5.0	6.7	7.7	6.6
LPR 98-143	8.3	5.0	8.0	7.7	6.7	6.7	4.7	6.7	7.0	6.6
PROWLER (APR 777)	7.7	5.0	8.0	7.7	6.7	6.7	4.7	6.7	7.0	6.6
WVPB-R-82	8.0	6.3	9.0	7.7	7.0	6.3	4.7	6.7	7.0	6.6
WVPB-R-84	8.0	4.7	8.7	7.3	6.0	6.0	5.3	6.7	8.0	6.6
APPLAUD (PENNINGTON-11301)	9.0	5.3	9.0	8.0	6.7	7.0	6.0	4.0	7.3	6.5
YATSUGREEN	8.0	4.3	9.0	7.3	7.0	6.3	4.3	6.7	7.0	6.4
PICK PR B-97	9.0	5.3	8.7	7.7	6.7	4.7	5.0	6.3	7.7	6.3
DP 17-9391	6.7	4.3	7.7	6.0	5.7	6.0	4.7	6.0	6.7	5.8
LINN	7.3	4.0	7.7	6.7	5.7	5.3	4.0	5.7	6.0	5.6
DP 17-9496	7.0	2.0	7.7	6.0	5.7	5.3	3.7	5.7	6.3	5.4
LSD VALUE	1.1	2.3	1.1	1.8	1.3	2.2	2.2	2.4	1.8	1.0
C.V. (%)	6.1	18.7	5.1	9.2	8.4	10.4	12.1	9.9	9.5	6.5

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.

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST AT URBANA, IL 1/ 2003 DATA

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

NAME	GENETIC	QUALITY RATINGS							
	COLOR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
AFFIRMED	7.0	7.3	7.3	6.7	7.0	6.3	6.7	7.0	6.9
KOKOMO (CIS-PR-69)	7.0	7.3	6.7	6.3	6.7	6.7	7.3	7.3	6.9
SR 4220 (SRX 4801)	7.0	7.0	7.0	7.3	6.7	6.7	6.7	7.0	6.9
ALL STAR2 (CIS-PR-78)	7.0	7.7	7.0	6.7	6.3	6.7	6.0	7.0	6.8
EXACTA	7.0	7.0	6.3	6.3	7.0	6.7	7.0	7.0	6.8
GATOR 3 (CIS-PR-85)	6.3	7.7	6.3	6.7	5.3	6.7	7.3	7.3	6.8
GRAND SLAM 2L96 (PST-2L96)	7.0	7.7	6.7	7.0	6.3	6.3	6.3	7.0	6.8
MACH 1 (ROBERTS-627)	6.7	7.0	7.0	7.0	6.7	6.3	6.3	7.0	6.8
ABT-99-4.560	7.0	7.0	6.7	7.0	6.7	6.0	6.7	6.7	6.7
BLAZER IV (PICK MDR)	7.0	7.3	6.7	6.3	6.7	6.3	6.7	6.3	6.6
DLF-LDD	6.7	7.0	6.3	6.7	5.3	6.3	7.0	7.3	6.6
JET	7.0	7.3	7.0	6.7	5.7	5.7	7.0	7.0	6.6
PENTIUM (NJ-6401)	6.7	7.0	7.0	6.3	6.7	6.3	6.0	6.7	6.6
PIZZAZZ	6.3	7.3	6.3	7.3	5.7	6.0	6.3	7.3	6.6
SR 4500	7.0	7.0	6.3	6.0	6.7	6.0	6.7	7.0	6.5
AMAZING (B1)	6.7	7.3	6.3	6.0	6.0	6.0	6.7	6.7	6.4
APR 1231	6.3	6.0	6.0	6.3	6.7	6.0	6.3	7.3	6.4
APR 1232	7.0	6.7	6.0	6.3	6.7	6.7	6.3	6.3	6.4
ARRIVAL (CIS-PR-84)	6.7	6.7	6.3	6.7	5.7	6.0	6.7	7.0	6.4
BRIGHTSTAR SLT (PST-2A6B)	7.0	6.3	7.0	6.0	6.3	5.7	6.3	7.0	6.4
INSPIRE (R8000)	6.7	6.7	6.3	6.7	5.3	6.7	6.0	7.0	6.4
PICK PR B-97	7.0	7.0	7.0	6.7	5.7	6.3	5.7	6.7	6.4
PST-2M4	6.7	6.3	7.3	6.3	5.7	6.0	6.7	6.3	6.4
SALINAS (PST-2SLX)	6.3	6.7	7.3	6.3	6.3	5.7	6.0	6.7	6.4
SUNKISSED (ABT-99-4.834)	7.3	6.3	6.0	7.0	6.7	6.0	6.0	6.7	6.4
ABT-99-4.115	7.0	7.3	6.7	6.0	6.0	5.7	6.0	6.3	6.3
ABT-99-4.339	7.0	7.0	6.3	5.7	6.3	5.7	6.3	7.0	6.3
CHARISMATIC (LTP 98-501)	7.0	6.7	7.0	6.7	6.3	5.0	5.3	7.3	6.3
FIESTA 3	7.0	7.0	6.3	6.7	6.0	5.7	6.0	6.3	6.3
PARAGON	6.7	7.3	6.3	7.3	5.7	5.0	5.7	6.7	6.3
QUEST II (ABT-99-4.721)	7.0	7.0	6.7	6.3	6.0	5.7	5.7	6.7	6.3
SR 4420 (SRX 4820)	6.3	6.3	6.7	6.3	6.0	6.0	6.0	6.7	6.3
ABT-99-4.464	7.0	6.7	6.7	6.0	5.3	5.7	6.0	7.0	6.2
ABT-99-4.815	7.0	6.3	6.0	6.0	5.7	6.0	6.3	7.0	6.2
ADMIRE (JR-151)	6.7	6.3	6.0	6.0	6.0	5.7	6.3	7.0	6.2
AFFINITY	7.0	6.0	6.0	6.0	6.3	6.3	6.0	7.0	6.2
APPLAUD (PENNINGTON-11301)	6.7	6.7	6.0	6.3	6.3	5.3	6.0	7.0	6.2
BARLENNIUM	7.0	7.3	6.3	6.7	5.3	5.3	6.0	6.7	6.2
CABO (CIS-PR-80)	6.7	6.7	6.7	7.0	5.3	5.3	6.0	6.7	6.2
CALYPSO II	6.3	7.0	6.3	6.3	6.0	6.0	6.0	6.0	6.2
CHURCHILL	7.0	6.3	6.0	6.7	5.7	5.7	6.0	7.0	6.2
COURAGE (MB 410)	6.7	7.0	6.3	6.0	5.7	6.0	5.7	6.7	6.2
PROMISE	7.0	6.7	7.0	6.0	5.7	6.0	5.3	6.7	6.2
RACER II (PICK RC2)	7.0	6.3	6.0	5.7	6.0	5.7	6.3	7.3	6.2
SECRETARIAT	6.7	6.3	5.7	6.0	6.3	6.3	5.7	7.0	6.2
SEVILLE II	7.3	6.3	6.0	6.7	5.7	6.3	6.0	6.7	6.2
SPLENDID (MB 411)	7.0	7.0	6.3	6.3	6.0	5.3	5.7	7.0	6.2

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT URBANA, IL 1/
2003 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS							
		APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SR 4350 (APR 1237)	6.3	6.7	6.3	6.0	5.7	6.0	5.7	7.0	6.2
CITATION FORE (PST-2BR)	6.3	7.0	6.0	5.7	6.0	5.3	6.0	7.0	6.1
HAWKEYE (SRX 4RHT)	7.0	6.0	5.7	6.7	5.7	5.7	6.0	7.0	6.1
ICON (MB 414)	6.7	6.0	6.0	6.0	5.7	5.7	6.0	7.3	6.1
MAJESTY	6.7	7.0	7.0	5.3	5.0	5.3	5.7	7.3	6.1
MANHATTAN 3	7.0	6.0	6.0	6.3	6.0	5.3	6.0	7.0	6.1
MANHATTAN 4 (PST-2CRL)	6.3	6.7	7.0	6.7	5.3	5.0	5.7	6.7	6.1
MONTEREY II (JR-187)	7.0	7.0	6.3	6.0	5.7	5.3	5.3	7.0	6.1
PICK EX2	7.0	6.3	5.7	5.7	6.3	5.7	6.0	7.0	6.1
PINNACLE II (BAR 9 B2)	7.0	7.0	6.0	7.0	5.7	5.0	5.3	7.0	6.1
PREMIER II	6.7	5.7	6.0	6.3	5.3	6.0	6.7	7.0	6.1
PST-2LA	6.7	6.0	6.3	6.3	5.7	5.3	6.0	7.3	6.1
APR 776	6.3	6.3	6.7	6.0	4.7	5.7	6.3	6.7	6.0
ASCEND	6.7	6.0	6.0	6.0	5.7	5.7	5.3	7.0	6.0
CHARGER II	6.7	6.3	5.7	6.7	5.7	5.7	5.3	6.7	6.0
DAZZLE (ABT-99-4.724)	6.7	6.3	6.0	5.7	6.0	6.0	5.7	6.7	6.0
DIVINE	6.7	6.7	6.3	5.3	6.3	5.0	5.3	7.3	6.0
ELFKIN	6.7	7.0	6.7	6.3	5.3	5.3	4.7	6.7	6.0
GALLERY (MB 412)	6.7	6.3	6.3	7.0	5.0	5.3	6.0	6.3	6.0
PACESETTER (6011)	6.3	6.3	6.7	6.0	5.3	6.3	5.0	6.7	6.0
PANTHER	6.7	6.7	6.3	6.3	5.7	5.0	5.3	6.7	6.0
RADIANT	7.0	6.0	6.7	6.3	5.3	6.0	5.3	6.7	6.0
SRX 4120	6.7	6.7	6.0	6.0	5.7	5.3	6.0	6.7	6.0
STELLAR (CIS-PR-72)	6.0	5.3	6.7	6.0	6.0	6.0	5.3	6.3	6.0
LTP-ME	7.0	6.3	5.3	6.3	5.3	6.0	5.3	6.7	5.9
MP103	7.0	5.7	6.7	6.0	6.0	5.0	5.3	6.7	5.9
MP107	6.7	5.7	6.7	5.7	5.3	5.3	5.7	6.7	5.9
NEXUS	6.3	6.7	6.0	7.0	5.0	5.0	5.3	6.3	5.9
PALMER III	6.7	6.7	5.7	6.3	5.3	5.3	5.3	6.7	5.9
PR 1-94 (PICK PR 1-94)	6.7	6.0	6.7	6.0	5.3	5.3	5.3	6.7	5.9
PICK PRNGS	6.7	6.7	6.0	5.7	4.7	5.7	5.7	6.7	5.9
PLEASURE XL	6.7	6.3	6.0	6.0	4.7	5.3	5.7	7.3	5.9
PROWLER (APR 777)	6.7	6.3	7.0	5.3	5.3	5.0	5.3	6.7	5.9
LS 2100 (PST-2SBE)	6.7	6.3	6.7	5.7	5.3	5.3	5.7	6.3	5.9
RENAISSANCE (APR 1233)	6.7	6.7	5.7	5.7	5.3	5.7	5.3	6.7	5.9
EXTREME (JR-317)	6.7	6.0	6.3	5.7	5.3	5.3	5.3	6.7	5.8
PICK PR QH-97	7.0	6.3	5.7	5.7	5.7	5.3	5.0	6.7	5.8
PROTYME (ABT-99-4.625)	7.0	6.3	6.7	5.7	5.0	5.3	5.0	6.7	5.8
PST-2RT	7.0	6.0	6.0	5.7	5.3	5.7	5.3	6.7	5.8
WVPB-R-84	7.0	6.0	5.7	5.3	6.3	5.7	5.3	6.3	5.8
IQ (CIS-PR-75)	7.0	5.7	6.3	6.0	4.7	5.3	5.0	6.7	5.7
JR-128	6.3	6.3	5.7	5.3	5.7	5.0	5.7	6.3	5.7
KOOS R-71	7.0	6.3	5.7	6.0	5.7	5.0	5.0	6.3	5.7
PHANTOM	7.0	6.7	6.3	6.0	5.3	5.0	4.0	6.7	5.7
SUMMERSSET (MB 413)	7.0	5.7	6.3	5.7	6.0	4.7	5.3	6.0	5.7
ABT-99-4.600	7.0	6.3	6.0	5.7	5.0	5.3	4.7	6.3	5.6
APR 1235	7.0	5.7	6.0	5.3	4.7	5.0	5.7	7.0	5.6

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT URBANA, IL 1/
2003 DATA

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

NAME	GENETIC	QUALITY RATINGS							MEAN
	COLOR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
BRIGHTSTAR II	6.3	6.0	6.0	6.0	4.7	5.3	5.0	6.0	5.6
DP 17-9391	6.0	6.0	5.7	5.3	5.7	5.0	5.3	6.3	5.6
DP LP-1	6.7	6.3	6.0	5.3	5.7	5.0	4.7	6.3	5.6
HEADSTART	6.3	6.0	6.0	5.7	5.3	5.0	5.0	6.0	5.6
LINE DRIVE	6.7	5.7	6.3	5.0	5.7	5.0	5.0	6.3	5.6
LPR 98-144	6.3	5.3	6.0	5.3	5.7	5.3	5.3	6.0	5.6
MEPY	7.0	6.3	5.7	5.3	5.0	4.7	5.0	7.0	5.6
TERRADYNE (A5C)	6.7	5.7	6.0	5.3	5.0	5.7	5.7	6.0	5.6
ALLSPORT	6.3	6.0	5.7	5.3	5.0	5.0	5.0	6.3	5.5
BUCCANEER	6.3	5.3	5.0	5.3	6.0	4.7	5.0	7.0	5.5
CAS-LP84	7.0	6.3	5.3	6.0	4.7	5.0	5.0	6.0	5.5
CRUISER (ABT-99-4.709)	6.7	5.7	6.0	6.0	5.0	4.7	4.7	6.7	5.5
EDGE	6.7	6.3	5.7	5.7	5.3	5.3	3.7	6.3	5.5
LPR 98-143	6.7	5.3	6.0	5.3	4.7	5.0	5.7	6.7	5.5
MDP	6.7	6.0	5.7	5.7	5.0	5.3	5.0	6.0	5.5
PARADIGM (APR 1236)	6.7	6.0	6.0	5.3	5.3	5.3	4.7	5.7	5.5
PROSPORT (AG-P981)	6.7	6.0	6.3	5.0	4.7	4.3	5.0	7.0	5.5
PST-2CRR	6.3	5.7	5.7	6.0	4.7	5.0	5.0	6.7	5.5
SUPERSTAR (EP57)	7.0	6.0	5.7	6.0	5.0	4.7	4.7	6.7	5.5
ABT-99-4.965	6.3	5.0	6.0	5.3	5.3	4.7	5.3	6.3	5.4
CATALINA	6.7	5.7	6.0	6.0	5.3	4.3	4.7	6.0	5.4
CATALINA II (PST-CATS)	6.0	5.7	6.3	5.3	4.7	5.0	4.7	6.0	5.4
CATHEDRAL II	6.7	6.0	5.3	5.7	5.3	4.3	4.7	6.3	5.4
DP 17-9069	7.0	6.0	5.7	5.7	4.3	5.0	5.0	6.3	5.4
PEARL II (EPD)	6.7	5.7	5.7	5.7	4.7	4.7	5.0	6.3	5.4
PST-2JH	6.3	5.3	6.0	5.7	4.7	5.3	4.7	6.3	5.4
RACER	6.0	6.0	5.7	5.0	5.0	4.7	5.0	6.3	5.4
SKYHAWK	7.0	6.0	5.7	6.0	5.0	4.3	4.3	6.3	5.4
BY-100	6.3	5.3	5.3	5.0	4.7	5.3	5.3	6.3	5.3
PENNANT II	6.7	5.7	6.0	5.3	5.7	4.7	4.3	5.7	5.3
YATSUGREEN	5.7	5.3	5.0	5.0	6.0	4.7	4.7	6.7	5.3
MP88	6.7	5.7	6.0	5.3	4.7	4.3	4.0	6.7	5.2
APR 1234	6.7	5.3	5.0	5.3	5.3	4.3	4.7	6.0	5.1
PASSPORT	6.3	5.7	5.0	5.0	4.3	5.0	5.0	6.0	5.1
WVPB-R-82	6.3	6.0	5.0	4.7	6.0	4.3	4.3	5.7	5.1
DP 17-9496	5.3	4.7	4.3	4.0	5.7	4.7	5.0	6.3	5.0
EP53	7.0	5.0	5.7	5.0	4.7	4.3	4.3	6.0	5.0
WILMINGTON	6.3	5.3	5.7	5.3	4.3	4.3	4.3	6.0	5.0
PREMIER	6.7	5.7	5.0	4.7	5.0	4.0	3.7	6.3	4.9
LINN	3.7	3.0	3.0	3.0	2.7	2.7	3.0	4.0	3.0
LSD VALUE	1.0	1.7	1.2	1.3	1.9	1.3	1.6	1.0	0.7
C.V. (%)	7.6	13.1	10.8	12.0	15.5	13.3	15.7	8.1	7.6

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 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST AT CARBONDALE, IL 1/ 2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PROWLER (APR 777)	3.3	1.7	6.3	8.3	7.7	6.7	7.3	7.7	7.3	7.7	7.7	7.4
PREMIER II	4.0	4.7	7.3	8.7	8.3	8.0	7.3	6.3	4.7	6.0	7.0	7.1
APR 1231	3.0	2.7	5.3	8.3	7.7	6.3	7.0	6.7	6.3	7.3	7.7	7.0
JET	6.7	3.7	6.3	8.3	7.3	6.3	7.3	6.7	5.3	7.0	8.3	7.0
ABT-99-4.464	4.7	4.0	6.7	9.0	7.7	6.0	7.0	6.7	5.7	6.3	7.3	6.9
DLF-LDD	6.7	5.7	5.7	8.3	7.7	6.0	7.0	7.0	6.3	6.7	7.3	6.9
MACH 1 (ROBERTS-627)	7.3	5.7	5.3	8.3	7.0	5.7	6.0	7.0	7.7	7.7	7.7	6.9
PACESETTER (6011)	5.0	3.0	5.7	8.7	8.0	7.0	6.7	7.0	6.7	6.7	6.0	6.9
ABT-99-4.115	4.3	5.7	7.3	8.3	7.3	6.0	6.3	6.3	5.7	6.7	7.3	6.8
ABT-99-4.339	5.0	3.3	5.3	8.0	7.3	6.3	6.3	7.0	6.7	7.0	7.3	6.8
PICK EX2	3.7	2.7	6.3	8.7	8.0	6.7	6.0	6.3	6.3	6.7	6.0	6.8
PST-2RT	4.7	2.7	6.0	8.7	8.0	7.0	8.3	6.3	4.3	5.7	6.7	6.8
RACER II (PICK RC2)	5.0	5.0	6.3	9.0	8.0	6.7	6.3	6.0	4.7	6.3	7.7	6.8
APR 1232	3.7	4.0	7.0	8.3	7.3	7.0	7.7	6.7	4.7	5.3	6.0	6.7
DIVINE	5.3	3.7	6.7	8.7	7.7	6.0	6.3	6.7	6.0	6.7	6.0	6.7
YATSUGREEN	1.0	5.7	7.7	8.3	8.0	7.3	6.3	5.7	4.7	6.0	6.7	6.7
AFFINITY	1.7	5.3	7.0	8.7	8.0	6.7	5.7	5.7	5.7	6.0	6.0	6.6
APPLAUD (PENNINGTON-11301)	7.0	5.7	6.7	8.3	7.3	6.0	6.0	6.0	5.3	6.3	7.0	6.6
PENTIUM (NJ-6401)	5.3	5.0	6.0	8.0	7.7	6.7	6.7	6.0	5.0	6.0	7.0	6.6
PIZZAZZ	6.7	4.0	5.7	8.3	7.3	6.0	6.0	6.3	6.0	6.7	7.0	6.6
PLEASURE XL	5.7	2.7	6.7	8.3	7.7	6.3	5.7	6.0	6.0	6.3	6.0	6.6
SR 4500	5.0	4.0	6.0	7.3	7.7	7.0	6.3	6.3	5.0	6.3	7.3	6.6
ABT-99-4.560	5.7	3.3	5.7	9.0	8.0	6.3	5.7	5.3	5.0	6.3	7.0	6.5
APR 1234	3.3	2.3	7.0	7.7	7.3	6.7	4.3	6.0	6.7	6.7	6.3	6.5
RACER	4.7	3.7	6.7	8.7	7.7	6.3	5.3	5.7	5.7	6.3	6.3	6.5
SR 4350 (APR 1237)	5.3	1.0	6.0	8.7	7.7	6.7	6.0	5.7	5.0	6.0	6.7	6.5
SRX 4120	3.0	3.7	7.0	8.3	7.7	6.0	6.7	6.0	5.0	6.0	6.0	6.5
AFFIRMED	5.3	4.7	6.7	9.0	7.7	6.0	5.7	5.3	4.7	6.0	7.0	6.4
CALYPSO II	4.3	5.3	7.0	7.3	7.0	6.3	6.3	6.0	5.0	6.0	6.3	6.4
CITATION FORE (PST-2BR)	5.0	4.0	5.3	7.7	7.3	6.3	6.7	6.0	5.0	6.0	7.0	6.4
GRAND SLAM 2L96 (PST-2L96)	7.3	2.3	5.7	8.7	8.3	6.7	6.3	5.7	4.3	5.7	6.0	6.4
MONTEREY II (JR-187)	5.3	4.7	5.3	9.0	8.7	7.3	5.7	5.7	5.3	5.7	5.3	6.4
PST-2JH	5.3	3.3	6.3	8.3	7.7	6.3	6.3	6.0	5.0	5.7	5.7	6.4
ALL STAR2 (CIS-PR-78)	7.0	5.0	6.7	8.0	7.3	6.0	4.7	5.3	5.3	6.3	7.3	6.3
BARLENNIUM	5.0	6.0	6.7	8.3	7.3	6.3	5.7	5.3	4.0	6.0	7.0	6.3
CHARISMATIC (LTP 98-501)	6.3	3.7	7.0	8.3	7.7	7.0	5.0	4.7	4.3	5.7	7.0	6.3
CHURCHILL	5.7	4.3	5.7	8.7	8.0	6.7	5.7	5.3	4.3	5.7	6.7	6.3
COURAGE (MB 410)	5.3	3.0	5.3	9.0	8.0	6.3	6.3	6.0	5.0	5.3	5.0	6.3
FIESTA 3	4.3	4.7	7.3	8.7	8.0	6.7	5.7	5.3	4.0	5.0	6.0	6.3
GATOR 3 (CIS-PR-85)	8.0	3.7	6.0	8.0	7.7	6.7	5.3	5.7	5.3	6.0	6.3	6.3
HAWKEYE (SRX 4RHT)	7.0	5.3	6.0	8.3	7.3	5.7	6.7	5.7	4.7	5.7	6.7	6.3
INSPIRE (R8000)	6.0	5.0	5.3	8.0	7.0	5.7	5.7	5.7	5.0	6.7	7.7	6.3
LPR 98-144	4.7	3.3	6.0	8.7	8.3	7.3	4.7	5.3	5.3	5.7	5.7	6.3
PST-2LA	5.7	1.7	6.3	8.3	7.7	6.0	6.7	5.7	3.7	5.3	7.3	6.3
SPLENDID (MB 411)	6.7	1.7	5.3	8.0	7.3	6.3	5.0	5.7	5.7	6.7	6.7	6.3
SR 4420 (SRX 4820)	6.3	4.7	5.0	7.7	7.0	5.7	6.7	6.3	5.7	6.3	6.7	6.3
JR-128	4.7	4.0	6.3	8.0	7.7	6.3	6.0	5.3	4.7	5.3	6.0	6.2

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT CARBONDALE, IL 1/
 2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
SECRETARIAT	3.3	5.0	7.3	8.3	7.7	6.3	5.0	5.0	5.0	5.3	5.7	6.2
ASCEND	5.3	2.7	6.0	9.0	8.3	7.0	5.0	4.7	4.0	5.3	6.0	6.1
BLAZER IV (PICK MDR)	6.3	3.0	6.0	9.0	7.7	5.7	6.0	5.3	4.3	5.0	5.7	6.1
MANHATTAN 3	4.7	3.7	5.7	7.7	7.3	6.3	5.7	5.3	4.3	6.0	6.7	6.1
LS 2100 (PST-2SBE)	5.3	1.0	4.3	8.0	7.3	6.3	6.3	6.0	4.7	5.7	6.0	6.1
RADIANT	7.7	3.7	3.3	8.3	7.0	5.7	5.0	6.0	6.7	6.7	6.7	6.1
WVPB-R-84	2.0	3.7	7.3	8.0	7.3	6.0	5.3	5.3	4.7	5.3	5.7	6.1
APR 1235	5.0	3.0	6.3	8.0	7.7	6.3	5.3	4.7	4.3	5.3	6.3	6.0
BRIGHTSTAR SLT (PST-2A6B)	6.0	2.3	5.7	7.3	6.3	5.3	6.3	5.7	5.0	6.0	6.3	6.0
CATHEDRAL II	5.3	2.7	4.0	8.3	7.7	6.0	5.3	5.7	5.3	5.7	5.7	6.0
KOKOMO (CIS-PR-69)	6.3	5.3	6.0	7.7	6.7	5.3	5.3	5.7	5.3	5.7	6.0	6.0
LINE DRIVE	4.3	2.7	4.3	8.3	7.3	5.7	5.3	5.7	5.7	5.7	5.7	6.0
PST-2M4	5.0	4.3	4.7	7.3	7.0	6.3	6.3	5.7	4.7	5.7	6.7	6.0
SEVILLE II	6.3	5.7	4.0	7.0	6.3	5.3	5.3	6.3	6.3	6.7	6.7	6.0
SR 4220 (SRX 4801)	6.7	5.3	4.7	7.3	7.0	6.0	7.3	5.7	4.0	5.7	6.7	6.0
ABT-99-4.815	5.7	3.3	4.7	8.7	7.0	5.0	5.7	5.3	4.7	5.7	6.0	5.9
EXTREME (JR-317)	5.3	3.0	5.0	8.3	7.7	6.3	4.7	4.7	4.7	5.7	6.0	5.9
PR 1-94 (PICK PR 1-94)	8.3	3.7	6.0	7.3	7.3	6.7	6.0	5.3	4.0	5.0	5.7	5.9
PICK PRNGS	5.3	3.7	5.0	6.7	6.7	6.7	5.7	5.7	5.0	5.7	6.0	5.9
PREMIER	4.7	4.7	6.0	7.7	6.7	5.3	5.0	5.3	5.0	6.0	6.0	5.9
RENAISSANCE (APR 1233)	4.3	2.3	6.3	8.0	7.0	6.0	3.0	4.7	6.0	6.3	6.0	5.9
ABT-99-4.600	4.0	4.3	5.3	7.0	6.7	5.7	5.3	5.3	4.7	5.7	6.3	5.8
ADMIRE (JR-151)	4.0	4.0	4.7	8.0	7.3	6.0	6.0	5.3	4.0	5.0	5.7	5.8
AMAZING (B1)	5.7	6.3	5.3	7.0	6.3	5.3	5.3	5.3	5.3	6.0	6.3	5.8
CATALINA II (PST-CATS)	6.3	3.0	5.0	6.7	6.3	5.7	5.7	5.7	5.0	6.0	6.3	5.8
EXACTA	6.3	4.3	5.7	7.0	6.7	6.0	5.7	5.3	4.7	5.3	6.0	5.8
PARAGON	6.0	4.3	6.0	7.7	7.0	5.7	5.0	5.0	4.7	5.3	5.7	5.8
ARRIVAL (CIS-PR-84)	6.0	4.3	4.0	7.7	7.0	5.7	5.0	5.3	4.7	5.7	6.0	5.7
DAZZLE (ABT-99-4.724)	6.7	5.0	5.0	6.7	6.7	6.0	6.3	5.0	3.7	5.3	6.3	5.7
KOOS R-71	2.7	4.3	5.7	7.7	6.7	5.7	4.3	5.0	5.3	5.7	5.3	5.7
PICK PR B-97	7.0	2.0	5.0	7.7	7.0	5.7	5.3	5.0	4.3	5.3	6.0	5.7
PICK PR QH-97	7.3	4.7	5.0	8.0	7.3	5.7	5.3	4.3	4.0	5.3	6.0	5.7
ALLSPORT	5.0	3.7	4.3	7.0	6.0	4.7	4.0	5.3	6.7	6.3	6.0	5.6
BY-100	2.3	6.0	5.7	7.0	6.3	5.0	5.0	5.0	4.7	5.7	5.7	5.6
CATALINA	5.3	2.3	4.3	7.7	7.0	5.7	4.3	5.0	5.0	5.7	5.7	5.6
PROTYME (ABT-99-4.625)	6.7	5.0	5.3	8.0	7.0	5.3	4.7	4.7	4.3	5.3	6.0	5.6
SUPERSTAR (EP57)	5.7	3.3	4.3	7.7	7.0	5.7	5.0	5.0	4.7	5.3	5.7	5.6
APR 776	4.7	3.7	4.3	7.0	6.0	4.3	5.3	5.7	5.3	6.0	5.3	5.5
BUCCANEER	2.3	5.7	5.7	6.7	5.7	4.7	4.7	5.0	4.7	5.7	6.7	5.5
LTP-ME	5.3	4.7	4.7	8.3	7.0	5.7	5.3	4.3	3.7	4.7	5.7	5.5
PARADIGM (APR 1236)	6.3	2.3	5.3	7.3	6.7	5.3	4.7	4.7	4.0	5.3	6.3	5.5
BRIGHTSTAR II	6.3	1.7	5.3	8.0	7.0	5.7	4.0	4.0	3.7	5.0	6.0	5.4
CHARGER II	3.7	4.7	6.0	6.3	6.0	5.0	4.7	4.7	4.3	5.7	6.3	5.4
CRUISER (ABT-99-4.709)	7.0	4.0	5.3	7.3	6.3	5.0	4.3	4.7	4.0	5.3	6.3	5.4
EDGE	2.0	5.3	5.3	6.7	6.3	5.3	5.0	4.7	4.3	5.0	5.7	5.4
HEADSTART	4.7	4.3	4.7	7.7	6.7	5.3	4.0	4.7	5.0	5.3	5.0	5.4
ICON (MB 414)	7.7	5.0	4.3	7.7	6.7	5.7	5.0	5.0	4.0	5.0	5.7	5.4

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT CARBONDALE, IL 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
QUEST II (ABT-99-4.721)	6.7	6.7	4.7	6.3	6.0	5.3	6.0	5.0	3.7	5.3	6.3	5.4
SALINAS (PST-2SLX)	6.3	1.3	4.0	7.0	7.0	6.0	5.0	4.7	3.7	5.3	6.3	5.4
GALLERY (MB 412)	8.0	2.3	4.3	8.3	7.3	6.0	4.7	4.7	4.0	4.3	4.3	5.3
MAJESTY	6.0	3.3	5.7	7.7	7.0	5.7	4.0	4.3	4.0	4.7	5.0	5.3
NEXUS	7.7	2.7	4.7	8.0	7.0	5.7	4.3	4.3	3.7	4.7	5.7	5.3
WILMINGTON	7.3	3.3	5.3	7.0	6.0	4.3	4.3	4.7	5.0	5.3	5.7	5.3
ELFKIN	4.3	4.0	3.7	7.7	6.3	4.3	4.3	4.3	4.0	5.7	6.3	5.2
MANHATTAN 4 (PST-2CRL)	6.3	3.0	5.0	8.0	7.0	5.3	4.7	4.0	3.3	4.3	5.3	5.2
PROMISE	5.7	3.3	4.7	6.7	6.3	5.3	5.0	4.3	3.7	5.0	5.7	5.2
SUNKISSED (ABT-99-4.834)	6.3	5.3	4.0	6.7	5.7	4.0	5.3	5.3	4.3	5.3	6.0	5.2
DP 17-9069	2.3	6.0	4.3	6.7	6.3	5.7	4.7	4.7	4.0	4.7	5.0	5.1
DP 17-9391	1.7	7.0	5.3	6.0	5.3	4.0	5.0	5.0	4.0	5.3	6.0	5.1
EP53	6.3	4.0	3.7	6.7	6.0	4.7	3.7	4.7	4.7	5.7	6.3	5.1
IQ (CIS-PR-75)	6.3	3.7	4.3	7.3	6.0	5.0	4.0	4.3	4.3	5.0	5.7	5.1
PST-2CRR	6.0	4.3	4.7	7.0	6.0	4.7	4.7	4.7	4.0	5.0	5.0	5.1
TERRADYNE (A5C)	8.0	5.0	4.3	7.3	5.7	3.7	4.7	4.7	4.7	5.3	5.3	5.1
WVPB-R-82	3.3	5.0	4.7	6.0	5.7	4.7	4.3	4.7	4.7	5.3	5.3	5.0
CAS-LP84	7.0	4.0	2.7	6.7	6.0	4.7	4.7	5.0	4.0	5.0	5.3	4.9
DP LP-1	2.0	5.0	4.7	6.7	5.7	4.0	5.0	4.3	3.3	4.7	5.3	4.9
PHANTOM	5.7	2.7	4.3	8.3	6.7	4.7	3.7	3.7	3.3	4.3	5.0	4.9
MEPY	7.7	3.7	3.0	7.3	6.3	4.7	3.3	4.0	4.0	5.0	5.3	4.8
PASSPORT	4.3	4.7	4.7	7.3	6.3	5.0	3.3	3.7	3.0	4.3	5.0	4.7
PINNACLE II (BAR 9 B2)	5.7	4.7	4.7	6.3	6.3	5.3	4.0	3.7	2.7	4.3	5.3	4.7
STELLAR (CIS-PR-72)	5.0	6.0	4.0	6.7	5.7	4.3	4.3	4.3	3.7	4.7	5.0	4.7
CABO (CIS-PR-80)	7.3	2.7	4.0	7.0	6.0	4.7	2.7	3.3	3.3	4.3	5.0	4.5
PALMER III	5.3	5.3	4.0	6.3	5.3	4.3	4.0	3.7	3.0	4.7	5.3	4.5
ABT-99-4.965	6.7	4.7	3.7	7.3	6.0	4.3	4.0	3.7	3.0	3.7	4.3	4.4
MDP	6.7	2.3	3.0	6.0	5.7	4.7	3.7	3.7	3.0	4.3	5.3	4.4
MP103	7.7	5.0	3.3	5.7	5.0	4.0	3.0	4.0	4.3	5.0	5.0	4.4
PANTHER	5.7	5.7	4.3	5.3	5.3	4.7	4.0	3.7	3.7	4.3	4.3	4.4
PROSPORT (AG-P981)	5.3	4.0	4.0	5.7	4.7	3.3	4.0	4.3	3.7	4.7	5.7	4.4
DP 17-9496	1.0	3.7	4.0	5.7	4.7	3.0	4.0	4.3	4.7	4.7	4.0	4.3
PENNANT II	6.0	5.0	4.0	6.0	5.3	4.3	2.0	3.3	3.7	4.7	5.0	4.3
MP107	6.7	4.0	3.0	6.3	5.3	3.7	3.0	3.7	3.7	4.7	4.7	4.2
SUMMERSET (MB 413)	8.3	4.0	3.7	6.7	5.7	4.0	2.7	3.3	3.7	4.0	4.3	4.2
PEARL II (EPD)	7.0	2.7	3.0	5.7	5.0	4.0	3.3	3.7	3.3	4.3	5.0	4.1
LPR 98-143	4.0	4.7	5.0	6.0	5.3	4.0	2.3	2.7	2.3	4.0	5.0	4.1
SKYHAWK	6.7	3.3	3.3	6.0	5.0	4.0	3.3	3.7	3.0	4.0	5.0	4.1
MP88	7.3	3.3	3.0	5.0	4.3	3.7	1.7	3.0	3.7	4.3	4.7	3.7
LINN	1.0	5.7	1.7	3.3	2.7	1.0	1.3	1.3	1.3	1.7	1.7	1.8
LSD VALUE	1.3	2.3	2.5	2.0	1.8	1.9	2.1	1.9	2.7	2.2	2.0	1.2
C.V. (%)	16.8	32.2	25.5	14.3	14.6	19.5	23.4	20.6	27.7	19.2	17.2	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 5. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST AT WEST LAFAYETTE, IN 1/ 2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS								MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
INSPIRE (R8000)	7.7	6.7	7.0	7.0	6.3	5.0	5.0	6.7	7.0	7.0	6.4
DLF-LDD	7.0	6.7	7.3	6.7	6.7	4.7	4.7	7.0	6.3	7.0	6.3
ALL STAR2 (CIS-PR-78)	8.0	6.7	7.0	7.0	6.0	4.3	4.7	6.3	7.0	7.3	6.2
CHARISMATIC (LTP 98-501)	7.3	6.7	7.3	7.3	6.0	4.7	3.7	6.7	7.0	7.0	6.2
SEVILLE II	7.7	6.7	7.3	7.3	6.0	4.7	4.0	6.3	7.0	7.0	6.2
SUNKISSED (ABT-99-4.834)	8.0	6.7	6.7	6.7	6.3	4.3	4.3	6.0	7.7	7.3	6.2
ABT-99-4.560	8.0	6.3	7.0	7.3	6.0	4.3	4.3	6.3	6.7	6.7	6.1
AMAZING (B1)	8.0	6.7	7.0	7.0	5.7	4.3	4.7	6.3	7.0	6.7	6.1
BLAZER IV (PICK MDR)	7.7	6.7	7.0	7.0	6.0	4.7	4.0	6.0	7.0	7.3	6.1
SR 4220 (SRX 4801)	7.7	6.3	7.0	6.7	6.0	4.3	4.7	6.3	6.3	7.3	6.1
SR 4350 (APR 1237)	6.7	6.7	7.0	7.3	6.3	5.0	4.3	6.0	6.0	6.7	6.1
ABT-99-4.464	7.0	6.7	6.7	7.0	5.7	4.3	4.7	6.0	6.3	7.0	6.0
APPLAUD (PENNINGTON-11301)	7.7	5.7	7.0	6.7	5.7	4.3	4.3	6.0	6.7	7.0	6.0
BARLENNIUM	7.0	6.3	6.3	7.0	6.3	4.0	4.0	6.3	7.0	6.7	6.0
DAZZLE (ABT-99-4.724)	7.3	6.7	6.7	6.7	6.0	4.3	4.0	6.3	6.7	7.0	6.0
DIVINE	7.0	6.7	7.3	6.7	6.0	4.3	4.0	5.7	6.7	7.0	6.0
EXACTA	7.7	6.3	6.7	6.7	6.0	4.3	4.7	6.3	6.3	7.3	6.0
GATOR 3 (CIS-PR-85)	7.7	7.0	6.7	6.7	6.0	4.0	4.3	6.3	7.0	7.0	6.0
GRAND SLAM 2L96 (PST-2L96)	7.3	6.3	6.7	7.3	6.0	4.3	4.0	6.0	6.7	7.0	6.0
KOKOMO (CIS-PR-69)	8.0	7.0	7.0	6.7	6.0	4.0	4.3	6.7	7.0	6.7	6.0
MACH 1 (ROBERTS-627)	8.0	6.7	7.3	7.3	6.3	3.7	4.3	5.7	7.0	6.7	6.0
PENTIUM (NJ-6401)	7.7	6.7	7.0	7.0	6.0	4.3	4.0	6.0	6.7	7.0	6.0
PICK PR B-97	7.3	6.3	7.0	7.3	6.0	4.3	4.0	6.0	6.3	7.0	6.0
PICK PR QH-97	7.3	6.7	6.7	7.0	5.7	4.7	4.0	6.3	6.7	7.0	6.0
PICK PRNGS	6.7	6.7	7.0	6.7	6.0	4.7	4.0	6.0	7.0	7.0	6.0
PINNACLE II (BAR 9 B2)	8.0	7.0	6.7	6.7	6.0	4.3	4.3	5.3	7.0	7.3	6.0
PIZZAZZ	8.0	7.0	6.7	7.0	6.0	4.0	4.3	5.7	6.7	7.3	6.0
PST-2M4	7.0	4.7	7.0	6.7	6.0	4.3	4.7	6.0	7.0	6.7	6.0
ABT-99-4.115	7.0	6.7	7.0	6.7	6.0	4.7	4.0	6.0	6.0	7.0	5.9
BRIGHTSTAR SLT (PST-2A6B)	7.7	6.3	7.0	6.7	5.7	4.0	4.0	6.3	6.7	7.0	5.9
CATALINA	7.7	6.3	6.7	7.0	6.0	4.3	4.3	5.7	6.7	6.7	5.9
ELFKIN	7.3	6.3	7.0	6.7	6.0	4.3	3.7	6.0	7.0	6.3	5.9
EXTREME (JR-317)	6.7	6.3	7.0	7.0	6.0	4.7	4.0	5.7	6.3	6.7	5.9
PST-2JH	7.3	5.3	7.0	7.0	6.0	4.3	4.0	5.3	6.7	6.7	5.9
PST-2LA	7.0	4.0	6.7	7.3	5.7	4.0	4.7	5.7	6.3	6.7	5.9
PST-2RT	7.0	6.3	6.7	7.0	5.7	4.0	4.7	6.0	6.7	6.7	5.9
LS 2100 (PST-2SBE)	7.7	5.7	7.3	6.7	5.7	4.0	4.0	6.0	6.7	6.7	5.9
ABT-99-4.600	6.3	6.3	7.0	6.7	6.0	4.3	4.7	5.3	6.0	6.7	5.8
ADMIRE (JR-151)	6.3	6.3	7.0	6.7	5.7	4.3	4.0	5.7	6.3	6.3	5.8
ARRIVAL (CIS-PR-84)	8.0	6.7	6.7	7.0	5.7	4.0	3.7	6.0	6.3	6.7	5.8
CALYPSO II	6.7	6.7	7.0	6.7	5.7	4.0	4.0	5.7	6.3	6.7	5.8
CATHEDRAL II	6.3	6.0	7.0	6.7	6.0	4.3	4.0	5.7	6.3	6.0	5.8
CITATION FORE (PST-2BR)	7.3	7.0	7.0	6.7	5.7	3.7	4.0	5.7	6.7	7.0	5.8
FIESTA 3	7.3	5.7	7.0	6.3	6.0	4.0	4.0	6.0	6.3	6.7	5.8
GALLERY (MB 412)	7.7	6.3	6.7	7.0	6.0	4.0	4.0	5.3	7.0	6.7	5.8
JET	8.0	7.0	6.7	6.0	5.3	4.0	4.0	6.0	7.0	7.0	5.8
LTP-ME	7.3	6.7	6.7	6.7	6.0	4.3	3.7	5.3	6.7	6.7	5.8

TABLE 5. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT WEST LAFAYETTE, IN 1/
2003 DATA

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

NAME	GENETIC	SPRING	QUALITY RATINGS								MEAN
	COLOR	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
MP107	7.7	6.7	6.7	7.0	6.0	4.3	4.0	5.0	6.7	6.7	5.8
MP88	7.0	6.3	7.0	7.0	6.0	4.3	3.7	5.7	6.3	6.7	5.8
PACESETTER (6011)	7.0	5.0	6.3	6.0	6.0	4.7	4.3	6.3	6.3	6.3	5.8
PARAGON	7.0	6.3	6.7	6.0	6.0	4.3	3.7	5.7	6.7	7.0	5.8
PR 1-94 (PICK PR 1-94)	7.3	6.7	7.0	6.3	6.0	4.3	4.0	5.3	6.3	6.7	5.8
PREMIER II	7.0	7.0	6.7	6.7	6.0	4.3	3.7	6.0	6.7	6.7	5.8
PROMISE	7.3	6.3	6.7	6.7	5.7	4.3	4.0	5.3	6.3	7.0	5.8
PROTYME (ABT-99-4.625)	8.0	6.7	6.7	7.0	6.0	4.0	3.7	5.3	6.3	7.0	5.8
RACER II (PICK RC2)	7.0	6.3	6.7	6.7	6.0	4.3	4.3	5.3	6.0	7.0	5.8
RADIANT	7.7	6.7	6.7	7.0	6.0	3.7	4.0	5.7	6.3	7.0	5.8
SPLendid (MB 411)	7.7	6.7	6.7	7.3	6.0	4.0	3.7	5.7	6.7	6.7	5.8
SR 4500	7.0	6.3	6.3	6.7	6.0	4.0	4.0	6.0	6.7	6.3	5.8
STELLAR (CIS-PR-72)	7.3	5.7	6.7	6.0	6.0	4.3	3.7	6.0	6.7	7.0	5.8
TERRADYNE (A5C)	8.0	6.7	7.0	6.7	5.7	3.7	4.3	5.3	6.3	7.0	5.8
ABT-99-4.339	7.0	6.3	6.3	6.3	6.0	4.3	4.0	6.0	6.7	6.0	5.7
AFFIRMED	7.0	6.3	6.7	6.3	6.0	4.0	4.3	5.3	6.7	6.3	5.7
CABO (CIS-PR-80)	8.0	6.7	6.7	6.7	5.7	4.3	4.0	5.7	6.0	6.3	5.7
CAS-LP84	8.0	6.3	6.7	6.7	6.0	4.3	4.0	5.3	6.3	6.3	5.7
CHURCHILL	7.3	6.3	6.7	6.3	6.0	4.3	3.7	5.7	6.3	6.7	5.7
COURAGE (MB 410)	7.3	6.7	6.3	7.0	6.0	4.3	4.0	5.3	6.3	6.3	5.7
EP53	7.3	6.3	6.7	7.0	6.0	4.7	3.7	4.7	6.0	6.7	5.7
PEARL II (EPD)	7.7	6.0	6.7	6.7	5.3	4.3	4.3	5.7	6.3	6.3	5.7
HAWKEYE (SRX 4RHT)	7.3	6.3	6.3	6.7	6.0	4.0	4.0	5.7	6.3	6.7	5.7
LINE DRIVE	7.0	7.0	6.7	6.7	5.7	4.0	4.3	5.3	6.3	6.7	5.7
MAJESTY	7.0	6.7	7.0	7.0	6.0	4.0	4.0	5.0	6.0	6.7	5.7
MANHATTAN 3	7.0	6.3	6.7	6.3	6.0	4.3	4.7	5.3	6.0	6.0	5.7
MANHATTAN 4 (PST-2CRL)	7.7	5.3	6.7	7.0	6.0	4.0	3.7	5.3	6.3	6.7	5.7
MONTEREY II (JR-187)	7.0	7.0	7.0	6.7	6.0	4.3	4.0	5.3	6.0	6.3	5.7
PALMER III	7.7	6.3	6.0	7.0	6.0	4.3	4.0	5.0	6.7	6.3	5.7
PANTHER	6.7	6.7	6.7	6.3	5.7	4.3	4.0	5.3	6.7	6.3	5.7
PARADIGM (APR 1236)	7.0	6.7	6.3	7.0	6.0	4.3	4.0	5.3	6.0	6.3	5.7
PENNANT II	7.3	6.7	6.3	6.3	6.0	4.0	3.7	5.7	6.7	7.0	5.7
PLEASURE XL	7.0	6.7	6.7	6.7	5.7	4.0	4.0	6.0	6.0	6.3	5.7
PREMIER	6.3	6.7	7.0	6.7	5.3	4.3	4.3	5.7	6.0	6.0	5.7
RENAISSANCE (APR 1233)	6.7	6.3	6.7	6.3	5.7	4.7	4.3	5.0	6.0	6.7	5.7
SR 4420 (SRX 4820)	7.3	6.0	6.3	6.7	5.7	4.0	4.0	5.7	6.3	7.0	5.7
ABT-99-4.815	7.0	6.7	6.0	6.7	5.7	4.0	4.0	5.7	6.3	6.3	5.6
ABT-99-4.965	8.0	6.3	6.7	6.7	5.7	4.0	3.3	5.0	6.7	6.7	5.6
APR 1232	6.3	7.0	6.7	6.7	5.3	4.7	3.3	5.7	6.3	6.3	5.6
APR 776	7.0	6.7	6.3	7.0	6.0	4.0	4.3	5.0	6.3	6.0	5.6
ASCEND	7.7	6.3	6.7	6.3	6.0	4.0	4.0	5.3	6.0	6.3	5.6
BRIGHTSTAR II	7.3	5.7	7.0	6.7	5.7	3.3	3.7	5.0	6.7	6.7	5.6
CRUISER (ABT-99-4.709)	7.3	6.7	6.7	6.7	6.0	4.0	4.0	5.3	6.3	6.0	5.6
MEPY	7.0	6.7	7.0	6.7	6.0	4.0	3.7	4.7	6.0	7.0	5.6
NEXUS	7.3	6.7	6.3	7.0	5.3	3.7	4.0	5.0	6.7	6.7	5.6
PICK EX2	6.3	6.0	6.7	6.0	6.0	4.7	4.0	5.3	5.7	6.3	5.6
PROWLER (APR 777)	6.3	6.3	6.3	6.0	5.3	4.3	4.3	6.0	6.3	6.0	5.6

TABLE 5. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT WEST LAFAYETTE, IN 1/
 2003 DATA

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

NAME	QUALITY RATINGS										MEAN
	GENETIC COLOR	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
QUEST II (ABT-99-4.721)	7.3	6.7	7.0	6.7	5.7	4.0	4.0	5.0	6.0	6.3	5.6
RACER	6.3	6.7	7.0	6.3	5.7	4.0	4.0	5.3	6.0	6.3	5.6
SALINAS (PST-2SLX)	7.7	6.7	6.3	7.0	6.0	4.0	4.3	4.7	6.0	6.3	5.6
SECRETARIAT	6.7	7.0	7.0	6.0	5.7	4.0	3.7	5.3	6.3	6.7	5.6
SUMMERSET (MB 413)	7.3	5.0	7.0	6.7	5.3	3.7	4.0	5.7	6.3	6.3	5.6
SUPERSTAR (EP57)	7.0	6.7	6.7	6.3	5.7	4.3	4.3	5.0	6.0	6.3	5.6
WILMINGTON	7.7	6.3	6.3	6.3	5.3	4.0	3.7	5.7	6.7	6.7	5.6
AFFINITY	6.3	6.0	6.3	6.3	6.0	4.3	3.7	4.7	6.0	6.3	5.5
APR 1231	6.3	6.3	6.3	6.3	5.3	4.3	4.0	5.7	6.0	5.7	5.5
CATALINA II (PST-CATS)	7.7	5.7	6.7	6.7	5.0	4.0	4.0	5.3	6.0	6.3	5.5
CHARGER II	7.0	6.3	6.7	6.0	5.7	4.3	4.3	5.0	6.0	6.0	5.5
ICON (MB 414)	7.3	6.3	6.7	7.0	6.0	3.7	3.7	4.7	6.0	6.7	5.5
IQ (CIS-PR-75)	7.0	6.3	6.7	6.3	6.0	4.3	3.7	5.3	6.0	6.0	5.5
JR-128	7.7	6.3	6.7	6.7	5.7	4.0	4.0	5.0	5.7	6.0	5.5
MDP	8.0	6.3	6.3	6.3	5.3	4.0	3.7	5.3	6.3	6.7	5.5
MP103	7.7	6.7	6.7	6.7	5.7	4.3	3.7	4.7	6.0	6.3	5.5
PHANTOM	7.3	6.3	6.7	6.3	5.7	4.0	4.0	4.3	6.7	6.3	5.5
PST-2CRR	8.0	6.7	7.0	6.0	5.3	3.7	4.0	5.3	6.0	6.3	5.5
SRX 4120	6.7	6.3	6.7	6.3	5.7	4.3	4.0	4.7	6.3	6.3	5.5
ALLSPORT	7.0	6.7	7.0	6.3	5.7	3.3	3.7	4.3	6.0	7.0	5.4
APR 1235	6.7	6.7	6.7	6.7	5.0	4.0	4.3	5.0	6.0	5.7	5.4
BY-100	6.0	7.0	6.3	6.0	5.3	4.3	4.0	4.7	6.0	6.0	5.3
DP 17-9069	6.0	7.0	6.3	6.0	5.3	4.0	4.0	4.7	5.7	6.0	5.3
EDGE	5.7	6.3	6.3	6.3	5.3	4.3	4.0	4.7	5.7	6.0	5.3
HEADSTART	6.3	6.3	6.7	6.0	5.3	3.7	4.0	4.7	6.0	6.3	5.3
KOOS R-71	6.0	6.7	7.0	5.7	5.7	4.0	3.7	4.3	5.7	6.3	5.3
LPR 98-144	6.3	6.7	6.0	6.0	5.3	3.7	4.0	4.7	6.3	6.3	5.3
PASSPORT	6.7	6.7	6.7	6.0	5.7	3.3	4.0	4.7	6.0	6.0	5.3
SKYHAWK	7.0	6.0	6.3	6.3	6.0	4.0	4.0	4.3	6.0	5.7	5.3
WVPB-R-84	6.3	6.7	6.3	5.7	5.7	4.3	4.0	4.3	5.7	6.0	5.3
BUCCANEER	6.3	6.7	6.3	5.7	6.0	3.7	4.3	4.7	5.3	5.7	5.2
DP LP-1	5.7	7.0	6.3	6.0	5.7	4.3	3.7	4.3	5.7	5.3	5.2
PROSPORT (AG-P981)	7.0	5.7	5.7	5.7	5.3	4.0	4.0	4.3	6.3	6.3	5.2
YATSUGREEN	6.0	6.7	6.3	6.0	5.0	4.0	4.7	4.7	5.3	5.7	5.2
DP 17-9391	5.7	6.3	5.3	6.0	5.3	4.0	4.3	4.7	5.7	5.3	5.1
APR 1234	6.0	6.3	6.3	5.0	5.3	3.7	3.7	4.3	6.0	6.0	5.0
WVPB-R-82	6.3	5.7	6.0	5.7	5.0	3.7	4.0	3.7	5.7	6.3	5.0
DP 17-9496	5.3	6.3	5.3	4.3	4.0	3.7	4.3	4.3	4.7	5.0	4.5
LPR 98-143	6.0	5.7	6.0	5.0	4.3	3.0	3.3	3.7	5.0	5.7	4.5
LINN	5.7	6.3	4.0	3.0	3.0	3.0	3.0	3.0	3.7	3.7	3.3
LSD VALUE	0.7	1.7	1.1	0.9	0.7	1.4	1.2	1.3	0.8	0.9	0.4
C.V. (%)	6.3	10.5	8.0	7.9	7.4	12.0	11.5	13.3	7.6	8.2	4.3

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 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT MANHATTAN, KS 1/
2003 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS							MEAN
			MAY	JUN	JUL	AUG	SEP	OCT		
CHURCHILL	8.0	8.0	7.0	7.7	8.0	7.0	8.0	8.0	7.6	
MANHATTAN 3	8.0	8.0	7.0	7.7	7.3	7.0	7.7	7.7	7.4	
CHARGER II	8.0	8.0	6.7	7.3	7.3	6.7	8.0	8.0	7.3	
ADMIRE (JR-151)	7.7	8.0	6.7	6.7	7.7	7.3	7.3	7.3	7.2	
COURAGE (MB 410)	8.0	8.0	6.3	6.3	7.7	7.0	8.0	8.0	7.2	
INSPIRE (R8000)	7.7	8.0	7.0	6.3	7.7	7.3	7.3	7.3	7.2	
PENNANT II	7.7	7.7	7.0	6.7	8.0	7.0	7.3	7.3	7.2	
SEVILLE II	7.3	8.0	6.3	6.7	8.0	7.7	7.3	7.3	7.2	
SR 4420 (SRX 4820)	8.0	8.0	7.0	7.3	7.7	7.3	7.0	7.0	7.2	
APR 1232	7.7	8.0	6.0	6.0	7.3	7.0	8.0	8.0	7.1	
GATOR 3 (CIS-PR-85)	8.0	8.0	7.0	6.7	7.7	6.7	7.3	7.3	7.1	
PINNACLE II (BAR 9 B2)	7.3	8.0	6.3	7.0	7.7	7.3	7.0	7.0	7.1	
RACER	7.0	8.0	7.0	6.3	7.7	6.7	7.3	7.3	7.1	
SR 4220 (SRX 4801)	8.0	8.0	6.3	6.3	7.3	7.3	7.7	7.7	7.1	
ABT-99-4.339	7.7	8.0	7.0	6.3	7.3	6.7	7.3	7.3	7.0	
CHARISMATIC (LTP 98-501)	8.0	8.0	7.0	6.3	7.3	6.7	7.3	7.3	7.0	
EDGE	7.0	7.5	7.0	6.5	7.0	6.5	7.5	7.5	7.0	
GRAND SLAM 2L96 (PST-2L96)	8.0	8.0	7.0	7.0	7.7	6.7	7.0	7.0	7.0	
HEADSTART	6.3	8.0	6.0	7.0	7.0	7.3	7.3	7.3	7.0	
LPR 98-143	8.0	8.0	6.7	6.7	7.3	6.7	7.3	7.3	7.0	
PALMER III	7.7	7.7	6.7	6.7	7.0	8.0	8.0	8.0	7.0	
PANTHER	8.0	8.0	7.0	6.0	7.7	6.0	7.7	7.7	7.0	
PENTIUM (NJ-6401)	7.7	8.0	7.0	7.3	7.0	7.3	6.7	6.7	7.0	
PICK PRNGS	7.0	7.7	6.7	7.0	6.7	7.0	7.3	7.3	7.0	
PIZZAZZ	7.3	8.0	7.0	7.0	7.3	7.3	6.7	6.7	7.0	
PST-2M4	7.3	8.0	6.7	6.0	7.7	6.3	7.7	7.7	7.0	
LS 2100 (PST-2SBE)	8.0	8.0	6.7	6.7	7.0	7.0	7.3	7.3	7.0	
TERRADYNE (A5C)	7.7	8.0	6.7	6.3	7.7	6.7	7.3	7.3	7.0	
BRIGHTSTAR II	7.7	8.0	6.3	7.0	7.0	6.7	7.3	7.3	6.9	
CABO (CIS-PR-80)	8.0	7.3	6.7	6.7	7.3	7.0	7.0	7.0	6.9	
CALYPSO II	7.3	7.7	7.0	6.7	7.3	5.7	7.3	7.3	6.9	
DAZZLE (ABT-99-4.724)	7.5	8.0	7.0	5.5	7.0	7.0	7.5	7.5	6.9	
ELFKIN	7.3	8.0	6.7	7.0	6.7	6.7	7.3	7.3	6.9	
GALLERY (MB 412)	7.7	8.0	7.0	6.7	6.7	7.3	7.0	7.0	6.9	
HAWKEYE (SRX 4RHT)	7.7	7.7	6.7	6.7	7.5	7.5	8.0	8.0	6.9	
PACESETTER (6011)	7.7	8.0	6.7	6.0	7.0	6.3	7.7	7.7	6.9	
PARADIGM (APR 1236)	7.3	8.0	7.0	5.7	7.0	6.3	7.7	7.7	6.9	
PREMIER II	8.0	8.0	6.7	6.3	7.3	6.7	7.3	7.3	6.9	
QUEST II (ABT-99-4.721)	8.0	8.0	7.0	6.7	7.0	6.7	7.0	7.0	6.9	
SPLENDID (MB 411)	7.3	8.0	6.7	7.0	7.0	7.0	7.0	7.0	6.9	
SRX 4120	8.0	8.0	6.7	6.3	6.3	7.0	7.7	7.7	6.9	
SUPERSTAR (EP57)	7.7	7.7	6.7	6.3	7.5	7.0	8.0	8.0	6.9	
WILMINGTON	7.7	8.0	6.0	7.3	6.7	6.7	7.3	7.3	6.9	
ABT-99-4.815	7.3	8.0	7.0	6.7	6.7	6.7	7.0	7.0	6.8	
AFFINITY	6.7	8.0	6.7	6.3	7.0	6.3	7.3	7.3	6.8	
APPLAUD (PENNINGTON-11301)	7.7	8.0	6.7	6.3	7.3	6.7	7.0	7.0	6.8	
ARRIVAL (CIS-PR-84)	7.0	7.7	6.3	6.7	7.7	6.7	6.7	6.7	6.8	

TABLE 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT MANHATTAN, KS 1/
2003 DATA

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

NAME	GENETIC		LEAF		QUALITY RATINGS					MEAN
	COLOR	TEXTURE	MAY	JUN	JUL	AUG	SEP	OCT		
BRIGHTSTAR SLT (PST-2A6B)	7.3	7.7	6.7	6.3	7.0	6.0	7.3	7.3	6.8	
BY-100	7.3	8.0	6.3	6.0	7.3	7.0	7.0	7.0	6.8	
CATALINA II (PST-CATS)	8.0	8.0	6.3	6.0	7.0	7.0	7.3	7.3	6.8	
CATHEDRAL II	7.7	7.7	7.0	6.3	7.7	6.0	7.0	7.0	6.8	
JET	7.3	8.0	7.0	6.0	6.7	7.3	7.0	7.0	6.8	
LPR 98-144	8.0	8.0	6.7	7.0	7.0	6.0	7.0	7.0	6.8	
RACER II (PICK RC2)	7.7	8.0	6.7	6.3	7.3	6.7	7.0	7.0	6.8	
RENAISSANCE (APR 1233)	7.7	8.0	6.0	6.3	7.0	7.0	7.3	7.3	6.8	
SR 4350 (APR 1237)	7.0	8.0	7.0	6.0	7.0	7.3	6.7	6.7	6.8	
ABT-99-4.464	7.7	8.0	6.7	6.3	7.3	6.7	6.7	6.7	6.7	
APR 776	7.3	8.0	5.7	6.3	7.3	6.3	7.3	7.3	6.7	
DLF-LDD	7.7	7.7	6.7	5.7	7.0	8.0	8.0	8.0	6.7	
DP 17-9391	7.3	8.0	6.0	6.3	7.0	7.0	7.0	7.0	6.7	
KOKOMO (CIS-PR-69)	8.0	8.0	6.0	6.7	7.7	6.0	7.0	7.0	6.7	
LINE DRIVE	8.0	8.0	6.7	6.0	6.3	7.5	7.5	7.5	6.7	
PARAGON	7.7	8.0	6.3	5.7	6.0	7.3	7.3	7.3	6.7	
PROTYME (ABT-99-4.625)	8.0	7.3	6.7	6.0	6.7	6.7	7.0	7.0	6.7	
SUMMERSET (MB 413)	8.0	8.0	7.0	6.3	7.0	6.7	6.7	6.7	6.7	
WVPB-R-82	7.7	8.0	6.0	6.7	6.0	6.3	7.7	7.7	6.7	
APR 1231	7.7	8.0	6.7	5.7	7.0	6.0	7.0	7.0	6.6	
ASCEND	7.7	8.0	6.7	6.3	6.7	6.3	6.7	6.7	6.6	
BARLENNIUM	7.3	8.0	6.0	5.7	6.3	7.3	7.0	7.0	6.6	
CITATION FORE (PST-2BR)	7.7	8.0	6.3	6.7	6.7	6.0	7.0	7.0	6.6	
DP 17-9069	7.3	7.7	6.3	6.7	6.3	6.3	7.0	7.0	6.6	
EXACTA	7.0	8.0	6.0	6.0	6.7	6.7	7.0	7.0	6.6	
EXTREME (JR-317)	7.3	8.0	6.3	6.0	6.7	6.7	7.0	7.0	6.6	
MAJESTY	7.7	8.0	6.3	6.3	6.7	6.7	6.7	6.7	6.6	
PASSPORT	7.3	7.7	6.3	6.0	6.5	7.5	7.5	7.5	6.6	
PROMISE	8.0	8.0	7.0	6.7	6.7	6.5	6.5	6.5	6.6	
PST-2JH	7.3	7.7	6.3	7.0	6.3	6.3	6.7	6.7	6.6	
SALINAS (PST-2SLX)	7.0	8.0	6.3	6.3	7.0	7.5	7.5	7.5	6.6	
SKYHAWK	7.3	8.0	6.7	7.3	6.7	6.0	6.3	6.3	6.6	
SUNKISSED (ABT-99-4.834)	7.3	7.7	6.7	6.0	6.7	7.0	6.7	6.7	6.6	
ALL STAR2 (CIS-PR-78)	7.0	7.7	6.3	6.7	8.0	7.0	7.0	7.0	6.5	
BLAZER IV (PICK MDR)	7.7	8.0	6.7	6.0	6.3	6.0	7.0	7.0	6.5	
ICON (MB 414)	7.7	7.3	6.0	5.7	7.0	6.3	7.0	7.0	6.5	
IQ (CIS-PR-75)	7.3	8.0	6.7	6.0	6.0	5.7	7.3	7.3	6.5	
PST-2RT	7.7	8.0	6.3	5.3	6.7	6.0	7.3	7.3	6.5	
STELLAR (CIS-PR-72)	7.0	7.7	6.7	6.0	7.0	7.0	6.5	6.5	6.5	
ABT-99-4.115	7.7	7.7	6.7	5.3	7.0	6.5	7.5	7.5	6.4	
ABT-99-4.600	7.7	8.0	6.3	6.0	6.3	6.3	6.7	6.7	6.4	
ABT-99-4.965	7.0	7.7	6.7	6.0	7.5	6.5	7.0	7.0	6.4	
AFFIRMED	7.7	7.7	6.7	6.3	7.5	6.5	7.0	7.0	6.4	
APR 1234	7.0	7.3	6.0	6.3	6.3	6.7	6.7	6.7	6.4	
CATALINA	7.3	8.0	7.0	5.7	6.7	5.7	7.0	7.0	6.4	
DIVINE	8.0	7.7	6.0	5.7	5.7	5.7	7.7	7.7	6.4	
PEARL II (EPD)	7.7	8.0	6.3	6.3	6.7	6.0	6.7	6.7	6.4	

TABLE 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT MANHATTAN, KS 1/
2003 DATA

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

NAME	GENETIC		LEAF		QUALITY RATINGS					MEAN
	COLOR	TEXTURE	MAY	JUN	JUL	AUG	SEP	OCT		
JR-128	7.3	7.7	6.3	6.0	7.0	6.5	7.5	7.5	6.4	
LTP-ME	7.3	7.7	6.0	6.7	8.0	7.0	7.0	7.0	6.4	
MACH 1 (ROBERTS-627)	7.7	8.0	6.0	7.0	5.3	6.7	6.7	6.7	6.4	
MP103	7.7	8.0	6.3	6.3	6.0	7.0	6.3	6.3	6.4	
PHANTOM	8.0	8.0	5.7	5.7	6.0	6.7	7.3	7.3	6.4	
PR 1-94 (PICK PR 1-94)	7.7	8.0	6.7	6.3	6.0	7.0	6.3	6.3	6.4	
PICK PR B-97	7.7	7.7	6.3	6.7	7.5	7.0	6.5	6.5	6.4	
PICK PR QH-97	8.0	8.0	6.0	6.3	6.3	6.3	6.7	6.7	6.4	
PLEASURE XL	7.7	7.7	6.3	5.7	7.5	7.0	7.5	7.5	6.4	
PROWLER (APR 777)	7.3	8.0	6.0	6.0	6.7	6.7	6.7	6.7	6.4	
PST-2CRR	8.0	8.0	6.0	6.3	5.7	6.3	7.0	7.0	6.4	
PST-2LA	7.3	8.0	7.0	6.7	6.0	6.3	6.3	6.3	6.4	
WVPB-R-84	7.7	7.7	6.0	6.0	6.7	6.7	6.7	6.7	6.4	
ABT-99-4.560	7.7	7.7	6.0	6.0	6.0	6.3	6.7	6.7	6.3	
ALLSPORT	7.7	8.0	6.3	6.7	6.3	6.0	6.3	6.3	6.3	
AMAZING (B1)	7.0	7.3	6.0	6.3	7.0	7.0	6.5	6.5	6.3	
CAS-LP84	7.0	8.0	6.3	5.7	6.7	7.3	6.0	6.0	6.3	
MP107	7.7	8.0	6.3	6.3	6.5	6.5	7.0	7.0	6.3	
RADIANT	7.3	8.0	7.0	5.7	6.5	6.5	6.5	6.5	6.3	
APR 1235	7.3	8.0	6.0	5.7	6.0	6.0	6.7	6.7	6.2	
BUCCANEER	7.0	7.3	6.0	6.0	6.7	6.0	6.3	6.3	6.2	
DP LP-1	7.3	7.0	5.7	5.0	6.7	6.7	6.7	6.7	6.2	
EP53	7.7	7.7	6.0	6.7	5.3	5.3	7.0	7.0	6.2	
MANHATTAN 4 (PST-2CRL)	7.7	7.7	6.3	5.3	6.5	7.0	7.0	7.0	6.2	
MDP	8.0	8.0	6.3	6.3	5.7	5.7	6.5	6.5	6.2	
NEXUS	7.7	7.7	6.3	6.0	6.0	7.0	7.0	7.0	6.2	
PREMIER	7.7	7.3	5.7	5.7	6.5	6.0	7.5	7.5	6.2	
SECRETARIAT	7.3	8.0	6.3	5.3	6.5	6.5	7.0	7.0	6.2	
SR 4500	7.3	7.7	6.3	6.3	6.5	6.5	7.0	7.0	6.2	
CRUISER (ABT-99-4.709)	7.3	8.0	6.0	5.7	6.3	5.7	6.3	6.3	6.1	
FIESTA 3	7.3	7.0	6.3	5.7	6.0	5.3	6.7	6.7	6.1	
KOOS R-71	7.7	7.7	5.7	5.7	6.0	7.0	6.5	6.5	6.1	
MEPY	7.3	8.0	6.0	6.0	6.3	5.3	6.3	6.3	6.1	
MP88	7.7	8.0	5.7	6.0	5.7	5.7	6.7	6.7	6.1	
PICK EX2	7.0	8.0	6.3	5.7	6.3	5.7	6.3	6.3	6.1	
PROSPORT (AG-P981)	7.0	7.7	5.7	6.3	7.0	6.0	7.0	7.0	6.1	
YATSUGREEN	7.0	7.3	5.7	5.3	7.0	7.5	7.0	7.0	6.1	
MONTEREY II (JR-187)	7.7	8.0	5.7	5.0	6.3	6.3	6.3	6.3	6.0	
DP 17-9496	7.0	6.7	5.0	6.0	6.5	7.0	6.0	6.0	5.8	
LINN	5.7	5.0	4.0	4.0	3.3	4.7	4.3	4.3	4.1	
LSD VALUE	1.6	0.7	1.5	5.3	2.4	3.2	4.0	4.0	1.8	
C.V. (%)	7.5	4.7	9.9	16.2	13.4	12.9	11.9	11.9	9.2	

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

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

TABLE 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT LEXINGTON, KY 1/
2003 DATA

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

NAME	GENETIC	QUALITY RATINGS								
	COLOR	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SR 4420 (SRX 4820)	8.3	8.3	8.0	7.7	8.7	7.0	5.0	7.0	9.0	7.6
GRAND SLAM 2L96 (PST-2L96)	7.7	7.3	7.7	7.7	8.3	8.0	5.7	7.0	8.3	7.5
PIZZAZZ	8.0	7.7	8.0	8.3	8.0	7.0	5.3	7.3	8.7	7.5
STELLAR (CIS-PR-72)	8.3	8.0	8.0	7.7	8.3	7.3	5.3	7.3	8.0	7.5
INSPIRE (R8000)	8.0	7.0	8.0	8.0	8.0	7.3	5.3	7.7	8.0	7.4
APPLAUD (PENNINGTON-11301)	8.0	7.3	8.7	8.7	8.3	7.3	4.7	6.3	7.3	7.3
CABO (CIS-PR-80)	7.7	7.7	8.7	8.0	8.7	6.3	5.0	6.7	7.7	7.3
CITATION FORE (PST-2BR)	9.0	8.0	7.7	8.3	8.7	6.7	5.0	5.7	8.3	7.3
GALLERY (MB 412)	7.3	6.7	8.3	8.0	8.3	6.3	5.3	7.0	8.0	7.3
GATOR 3 (CIS-PR-85)	8.0	7.7	8.0	7.7	8.7	8.0	5.0	6.7	6.7	7.3
MANHATTAN 4 (PST-2CRL)	8.0	7.3	7.7	7.3	7.7	7.7	5.7	7.0	8.3	7.3
ABT-99-4.339	7.3	6.7	6.7	7.7	8.0	6.7	5.0	8.0	8.7	7.2
ALL STAR2 (CIS-PR-78)	8.3	6.3	9.0	8.0	8.7	7.3	5.0	6.3	7.0	7.2
ICON (MB 414)	8.3	6.0	8.0	7.3	8.3	7.0	5.0	7.0	8.3	7.1
RACER II (PICK RC2)	7.0	8.3	8.0	7.7	7.7	6.0	4.7	7.0	7.3	7.1
RADIANT	8.0	7.7	7.3	8.0	8.7	6.3	4.3	6.3	8.3	7.1
AMAZING (B1)	8.3	6.0	7.7	8.3	7.7	7.7	5.0	6.3	7.3	7.0
BLAZER IV (PICK MDR)	9.0	7.3	7.0	7.7	7.7	6.7	5.0	6.7	8.0	7.0
BRIGHTSTAR SLT (PST-2A6B)	8.0	8.0	7.3	8.0	8.0	6.7	4.7	6.3	7.3	7.0
CHARISMATIC (LTP 98-501)	8.0	6.0	7.0	7.3	8.0	7.0	5.0	7.7	8.0	7.0
DLF-LDD	7.0	7.3	7.7	8.0	8.0	7.3	5.0	6.0	6.7	7.0
IQ (CIS-PR-75)	8.0	6.7	7.3	7.7	8.3	6.0	4.7	7.7	8.0	7.0
KOKOMO (CIS-PR-69)	8.3	7.0	8.0	7.3	7.7	7.0	5.0	6.3	7.3	7.0
MDP	7.3	6.0	7.7	8.0	7.7	6.7	5.0	7.3	7.7	7.0
PARADIGM (APR 1236)	7.0	7.0	8.0	7.0	7.0	6.7	5.3	6.3	8.3	7.0
PST-2JH	6.7	7.3	6.7	7.3	7.7	6.7	6.3	6.7	7.7	7.0
LS 2100 (PST-2SBE)	7.0	7.0	7.3	8.0	8.0	6.3	4.7	6.7	7.7	7.0
SALINAS (PST-2SLX)	7.7	6.7	6.7	7.3	6.7	7.3	5.7	7.7	8.0	7.0
SEVILLE II	8.0	8.7	7.7	7.3	8.7	5.3	4.3	6.0	7.7	7.0
TERRADYNE (A5C)	8.0	6.7	8.3	7.3	7.7	7.0	5.0	6.7	7.7	7.0
APR 1235	7.0	6.7	7.0	7.3	7.3	6.3	5.7	7.7	7.3	6.9
ASCEND	7.7	6.7	8.3	7.7	7.0	5.7	5.0	7.0	8.0	6.9
DAZZLE (ABT-99-4.724)	7.3	6.7	7.3	7.3	8.0	6.7	5.0	7.0	7.3	6.9
PEARL II (EPD)	7.0	7.3	7.3	8.0	7.7	6.3	4.0	6.7	7.7	6.9
SR 4500	7.0	6.0	7.0	7.3	7.3	6.7	5.0	7.7	8.3	6.9
SRX 4120	7.0	7.3	6.7	7.3	7.0	7.0	5.0	7.3	7.3	6.9
DIVINE	7.0	6.3	7.3	8.0	7.7	5.7	5.0	7.0	7.0	6.8
JET	8.0	6.3	7.0	8.3	8.7	7.3	5.0	5.3	6.3	6.8
MAJESTY	7.0	7.7	7.7	7.7	7.7	5.3	4.7	6.3	7.3	6.8
PARAGON	7.0	7.0	7.3	7.7	7.3	6.0	5.3	6.7	7.3	6.8
PENTIUM (NJ-6401)	7.3	6.3	6.7	7.3	7.3	6.7	6.0	7.3	7.0	6.8
RENAISSANCE (APR 1233)	7.0	6.7	6.0	7.3	6.7	6.3	5.3	8.0	7.7	6.8
SR 4220 (SRX 4801)	8.3	5.7	7.3	7.7	7.7	7.0	5.0	6.7	7.0	6.8
SUNKISSED (ABT-99-4.834)	8.3	6.0	8.0	8.0	8.0	5.7	5.0	6.7	7.0	6.8
ABT-99-4.600	6.7	6.7	6.3	7.0	7.3	6.3	5.0	7.0	8.0	6.7
ABT-99-4.965	7.7	7.7	7.7	7.7	7.7	5.7	4.3	5.7	7.0	6.7
CATALINA II (PST-CATS)	7.3	6.3	6.7	7.3	6.7	6.0	5.0	7.7	7.7	6.7

TABLE 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT LEXINGTON, KY 1/
2003 DATA

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

NAME	GENETIC	QUALITY RATINGS								
	COLOR	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PROMISE	7.0	6.7	7.7	7.3	7.3	6.0	5.3	6.3	6.7	6.7
SR 4350 (APR 1237)	6.7	6.3	7.0	7.7	7.0	6.7	5.0	6.0	7.7	6.7
SUPERSTAR (EP57)	7.0	7.0	7.3	8.7	7.3	5.7	4.0	6.3	7.0	6.7
ABT-99-4.115	7.3	5.7	7.0	7.3	7.7	6.3	5.3	6.3	7.0	6.6
ABT-99-4.464	7.0	6.3	7.0	7.3	7.3	6.7	5.0	6.3	7.0	6.6
ELFKIN	7.0	6.3	6.7	7.3	7.0	6.0	5.7	7.0	7.0	6.6
EXACTA	7.7	6.0	7.3	7.7	7.3	7.0	4.7	6.3	6.7	6.6
PACESETTER (6011)	7.3	6.0	7.7	7.3	7.7	6.3	5.0	5.7	7.0	6.6
PROWLER (APR 777)	7.0	6.3	5.7	7.0	7.0	6.3	6.0	7.0	7.3	6.6
PST-2M4	8.0	6.3	7.0	7.7	7.3	5.7	5.3	6.3	7.3	6.6
SPLendid (MB 411)	7.7	5.7	7.3	7.7	7.3	6.0	4.7	7.3	7.0	6.6
WILMINGTON	7.7	6.0	7.0	7.7	7.7	7.0	4.3	6.0	7.3	6.6
ADMIRE (JR-151)	7.0	5.7	6.0	7.0	7.0	6.0	5.0	7.0	8.0	6.5
ARRIVAL (CIS-PR-84)	8.7	6.3	7.3	7.7	7.3	6.3	4.3	6.0	6.7	6.5
MANHATTAN 3	7.0	5.7	7.0	7.0	7.0	6.0	5.3	7.0	6.7	6.5
NEXUS	8.3	5.7	7.3	7.0	7.3	6.3	4.7	6.0	7.3	6.5
PROTYME (ABT-99-4.625)	7.0	6.3	7.0	7.3	7.3	6.0	5.3	6.3	6.7	6.5
PST-2RT	7.0	7.3	6.7	7.7	7.3	5.3	5.0	6.0	6.7	6.5
QUEST II (ABT-99-4.721)	7.7	6.7	6.7	7.7	8.0	6.3	4.7	6.0	6.3	6.5
ABT-99-4.815	7.0	6.3	6.7	8.0	8.0	5.3	4.0	5.7	7.0	6.4
APR 1232	6.0	6.7	5.3	7.0	5.7	5.3	5.3	8.0	8.0	6.4
CALYPSO II	7.3	6.0	6.7	7.0	7.0	7.0	4.3	6.0	7.3	6.4
LINE DRIVE	7.0	6.7	7.7	7.3	7.3	6.7	4.7	5.0	5.7	6.4
MP88	7.3	5.3	7.0	8.0	7.3	5.7	4.0	5.7	8.0	6.4
ABT-99-4.560	7.3	5.7	7.3	7.3	7.0	6.3	5.0	5.7	5.7	6.3
BY-100	6.7	6.7	6.3	7.0	7.0	5.3	4.7	6.0	7.0	6.3
COURAGE (MB 410)	7.7	6.7	7.7	7.3	7.7	5.3	4.7	5.3	6.0	6.3
EP53	7.3	6.3	6.7	7.3	7.3	6.0	4.3	6.0	6.7	6.3
HAWKEYE (SRX 4RHT)	8.0	6.0	6.7	7.3	7.0	6.3	4.3	6.0	6.7	6.3
MACH 1 (ROBERTS-627)	8.3	5.0	7.3	7.3	7.3	7.0	4.3	5.0	7.0	6.3
PASSPORT	7.0	5.7	6.7	6.0	6.7	6.3	5.0	6.3	7.7	6.3
PICK EX2	6.3	6.7	6.3	7.0	6.7	5.7	5.0	6.0	7.0	6.3
PICK PR QH-97	8.0	6.3	6.7	7.7	7.3	6.0	4.3	6.0	6.3	6.3
PLEASURE XL	6.7	6.3	8.3	7.0	6.7	6.0	4.7	5.0	6.7	6.3
PREMIER II	7.3	5.7	6.7	7.0	6.7	6.3	4.7	6.3	7.0	6.3
RACER	7.0	6.0	6.7	6.7	6.3	6.3	5.0	6.3	7.0	6.3
SECRETARIAT	7.0	6.7	6.0	6.3	7.0	6.3	5.3	6.0	6.7	6.3
SUMMERSET (MB 413)	8.0	6.3	7.3	7.0	7.7	5.7	4.3	5.7	6.3	6.3
CRUISER (ABT-99-4.709)	7.3	5.7	7.0	6.7	7.0	6.7	5.0	5.3	6.0	6.2
JR-128	7.0	5.7	6.7	6.7	5.7	6.3	5.0	6.7	6.7	6.2
LPR 98-143	6.7	7.0	7.0	6.7	7.0	5.7	4.7	5.3	6.0	6.2
PICK PRNGS	7.0	6.3	6.3	7.0	6.7	4.7	5.0	7.0	6.3	6.2
PREMIER	6.3	7.0	6.3	6.7	6.3	4.7	4.3	7.0	7.0	6.2
APR 1231	7.0	5.3	6.3	6.7	6.3	6.3	5.0	6.0	7.0	6.1
MEPY	7.3	6.3	6.7	7.0	7.0	5.0	4.0	6.3	6.3	6.1
MP103	7.0	6.0	7.0	7.3	6.3	5.0	4.3	6.0	7.0	6.1
PENNANT II	7.7	6.0	8.0	7.3	7.3	5.7	4.3	4.7	5.7	6.1

TABLE 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT LEXINGTON, KY 1/
 2003 DATA

NAME	GENETIC COLOR	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/								
		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PINNACLE II (BAR 9 B2)	8.0	4.7	6.7	7.3	7.3	6.0	4.3	5.7	7.0	6.1
AFFINITY	6.3	6.7	5.3	7.7	6.3	5.3	4.3	5.7	6.7	6.0
BARLENNIUM	7.7	5.3	6.3	7.3	6.7	6.7	4.7	5.3	5.7	6.0
CAS-LP84	7.0	5.0	7.0	7.3	6.3	5.0	4.3	6.3	6.7	6.0
CHARGER II	7.0	5.0	5.7	7.3	6.0	6.3	4.7	6.0	6.7	6.0
KOOS R-71	6.3	5.7	6.3	7.0	6.0	5.3	4.7	6.0	7.0	6.0
MP107	7.3	5.0	6.3	7.0	7.3	5.3	4.3	5.7	7.3	6.0
PALMER III	7.0	5.7	6.7	6.3	7.0	5.7	4.3	6.3	6.0	6.0
PHANTOM	7.0	5.0	6.7	7.7	6.7	5.7	4.3	5.3	6.3	6.0
PST-2LA	7.3	5.3	6.3	6.0	6.3	6.7	5.3	6.0	6.3	6.0
SKYHAWK	7.0	5.7	6.7	7.0	6.7	5.3	4.3	6.0	6.3	6.0
WVPB-R-84	6.3	6.3	5.3	7.0	5.7	5.7	5.0	6.3	7.0	6.0
APR 1234	6.3	6.7	5.7	7.3	5.7	5.0	5.0	6.0	5.7	5.9
APR 776	6.7	5.3	6.0	7.0	6.0	5.7	4.7	6.0	6.7	5.9
FIESTA 3	8.0	6.3	6.0	6.3	6.3	5.7	4.3	5.3	6.7	5.9
PR 1-94 (PICK PR 1-94)	7.3	5.3	7.0	7.3	6.3	5.3	4.3	5.3	6.0	5.9
AFFIRMED	7.0	6.0	7.0	6.3	6.0	5.3	4.0	5.0	6.3	5.8
BRIGHTSTAR II	7.7	5.3	6.7	6.3	6.3	6.0	4.7	5.3	6.0	5.8
EXTREME (JR-317)	7.0	5.0	6.7	7.0	6.3	5.3	4.7	5.7	6.0	5.8
MONTEREY II (JR-187)	6.7	4.7	6.3	6.7	6.0	5.7	5.0	5.7	6.7	5.8
PST-2CRR	7.7	5.3	5.7	7.3	6.3	5.0	4.3	6.0	6.0	5.8
CATHEDRAL II	7.0	6.0	6.7	7.0	6.3	4.3	3.7	5.3	6.3	5.7
CHURCHILL	7.7	4.0	6.0	6.3	6.3	6.3	4.3	6.0	6.3	5.7
PICK PR B-97	7.3	5.3	6.7	7.3	6.3	5.3	4.0	5.3	5.3	5.7
CATALINA	7.3	5.7	5.3	6.3	5.7	5.0	4.3	6.3	6.0	5.6
EDGE	6.3	6.0	5.0	6.7	6.3	4.7	4.7	6.0	5.7	5.6
HEADSTART	7.0	5.7	6.3	6.0	5.3	5.3	4.3	5.7	6.0	5.6
DP 17-9391	6.0	6.7	4.7	6.7	5.3	5.0	4.7	5.3	6.0	5.5
DP LP-1	6.0	5.7	6.0	6.3	6.0	4.3	3.7	5.3	6.7	5.5
LPR 98-144	7.0	4.7	6.0	6.0	6.0	5.7	4.7	5.3	6.0	5.5
PANTHER	7.0	6.0	5.3	5.3	6.0	4.7	4.0	6.0	6.7	5.5
BUCCANEER	6.0	5.0	5.0	6.0	5.0	5.0	4.7	5.7	5.7	5.3
PROSPORT (AG-P981)	6.7	6.0	5.7	6.3	6.3	5.0	3.3	4.3	5.7	5.3
ALLSPORT	7.0	4.7	5.7	5.7	5.7	4.7	4.0	5.7	5.7	5.2
DP 17-9069	6.0	5.7	5.3	7.0	5.7	4.0	3.3	5.0	5.7	5.2
DP 17-9496	5.7	5.3	4.3	6.0	5.3	4.3	4.0	5.7	6.0	5.1
LTP-ME	7.3	5.0	5.7	5.3	6.0	5.3	4.0	4.7	5.0	5.1
WVPB-R-82	6.7	5.7	5.0	5.7	5.3	4.3	3.3	5.3	5.7	5.0
YATSUGREEN	6.0	5.0	4.3	5.3	5.0	4.7	4.7	5.0	5.3	4.9
LINN	3.3	2.0	2.0	2.3	2.0	2.0	1.7	2.7	2.0	2.1
LSD VALUE	0.9	2.6	1.2	1.4	1.4	1.5	1.2	3.1	2.6	1.0
C.V. (%)	7.9	19.4	11.3	11.3	12.3	14.6	14.1	19.2	17.3	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 8. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS						MEAN
				MAY	JUN	JUL	AUG	SEP	OCT	
PIZZAZZ	8.0	8.0	6.3	8.0	7.3	8.0	7.0	4.0	4.3	6.4
GRAND SLAM 2L96 (PST-2L96)	7.0	6.7	6.0	7.7	7.3	7.7	5.7	4.0	5.7	6.3
MACH 1 (ROBERTS-627)	7.7	8.3	6.3	8.0	7.7	8.0	5.7	4.0	4.3	6.3
CHARISMATIC (LTP 98-501)	7.0	7.3	6.0	7.7	7.7	7.3	6.7	4.0	4.0	6.2
PINNACLE II (BAR 9 B2)	7.3	7.0	6.3	7.0	7.0	7.3	6.3	4.3	5.0	6.2
SR 4220 (SRX 4801)	7.0	6.7	6.0	7.3	6.7	7.0	5.7	4.7	5.7	6.2
CALYPSO II	7.0	7.3	6.0	6.7	6.3	6.7	6.3	5.0	5.7	6.1
INSPIRE (R8000)	7.0	7.7	6.0	7.0	7.0	7.0	6.0	4.3	5.0	6.1
SR 4500	6.7	7.0	6.3	6.7	6.3	6.7	6.0	5.3	5.3	6.1
STELLAR (CIS-PR-72)	7.0	7.0	5.7	6.0	6.0	6.3	6.0	6.0	6.3	6.1
ALL STAR2 (CIS-PR-78)	7.3	7.7	6.3	6.3	7.0	7.3	6.3	4.3	4.7	6.0
SUNKISSED (ABT-99-4.834)	7.3	7.0	6.0	7.7	6.7	7.3	6.3	3.7	4.3	6.0
ABT-99-4.560	7.0	7.0	6.0	6.7	6.7	7.0	5.3	4.7	5.0	5.9
ARRIVAL (CIS-PR-84)	7.3	7.3	6.0	7.3	7.0	8.0	5.3	3.7	4.0	5.9
BARLENNIUM	7.0	7.3	6.3	6.3	6.3	6.7	7.0	4.0	5.0	5.9
CITATION FORE (PST-2BR)	7.3	7.0	6.7	7.0	6.3	7.0	5.7	4.7	5.0	5.9
PENTIUM (NJ-6401)	7.0	7.7	6.0	6.3	6.7	6.7	6.3	4.3	5.0	5.9
PICK PR B-97	7.0	7.7	6.0	6.3	6.7	7.0	5.7	4.7	5.3	5.9
QUEST II (ABT-99-4.721)	7.0	7.7	6.0	7.0	7.0	6.3	6.3	4.0	5.0	5.9
RADIANT	7.7	6.7	6.3	6.7	6.0	7.3	6.0	4.3	5.0	5.9
SR 4420 (SRX 4820)	7.3	7.0	6.0	6.7	6.3	7.3	5.7	4.0	5.7	5.9
TERRADYNE (A5C)	7.3	7.0	6.0	6.3	5.7	7.0	5.7	5.0	5.7	5.9
AMAZING (B1)	7.3	7.3	6.7	6.7	6.3	7.3	6.0	4.0	4.7	5.8
APPLAUD (PENNINGTON-11301)	7.0	7.3	6.3	7.0	6.7	6.7	6.0	4.0	4.3	5.8
CABO (CIS-PR-80)	7.7	7.0	6.0	6.3	7.0	7.0	5.7	4.0	5.0	5.8
CHURCHILL	7.3	7.3	6.3	6.3	7.0	6.7	6.3	4.0	4.3	5.8
DLF-LDD	7.0	7.7	6.3	7.3	7.0	7.0	5.7	3.7	4.3	5.8
GATOR 3 (CIS-PR-85)	7.0	8.0	6.7	7.3	7.0	6.7	6.0	3.7	4.3	5.8
IQ (CIS-PR-75)	7.0	7.3	6.0	6.3	6.7	7.0	6.0	4.0	5.0	5.8
JET	7.3	7.0	6.7	6.7	6.3	7.0	6.0	4.0	4.7	5.8
MDP	7.7	6.3	6.0	6.7	6.7	6.7	5.7	4.0	5.0	5.8
NEXUS	8.0	7.7	6.0	7.3	6.0	7.3	5.3	4.0	4.7	5.8
PREMIER II	7.0	7.0	6.3	6.3	6.0	6.7	6.0	4.3	5.7	5.8
SEVILLE II	7.0	7.0	6.0	6.3	7.3	7.0	6.0	4.0	4.3	5.8
WILMINGTON	7.7	7.7	6.0	6.7	7.0	7.3	6.0	3.7	4.3	5.8
ABT-99-4.339	6.3	7.0	6.0	6.3	6.0	6.3	6.0	4.7	4.7	5.7
ABT-99-4.464	6.7	7.3	6.3	6.7	6.3	6.7	5.7	4.3	4.3	5.7
ABT-99-4.965	7.3	7.3	6.0	6.3	6.0	6.3	6.0	4.3	5.0	5.7
BLAZER IV (PICK MDR)	7.7	7.3	6.3	6.7	6.7	6.7	6.0	4.0	4.3	5.7
CATALINA II (PST-CATS)	7.0	7.3	6.0	6.7	7.0	6.7	5.7	4.0	4.3	5.7
PEARL II (EPD)	7.0	7.0	6.0	6.7	6.3	6.7	5.7	4.3	4.7	5.7
GALLERY (MB 412)	7.7	7.0	6.3	6.7	7.0	7.0	6.0	3.7	4.0	5.7
KOKOMO (CIS-PR-69)	7.3	7.3	6.3	6.3	6.0	7.0	6.0	4.0	4.7	5.7
MP88	7.3	7.3	6.0	7.3	6.3	7.0	5.3	3.7	4.3	5.7
PST-2LA	6.7	7.0	6.3	7.0	6.3	6.7	5.3	4.0	4.7	5.7
SALINAS (PST-2SLX)	7.0	6.0	5.7	6.7	5.7	7.0	6.0	4.3	4.7	5.7
ABT-99-4.115	6.7	6.7	6.0	5.3	7.0	7.0	5.7	4.0	4.3	5.6

TABLE 8. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
2003 DATA

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

NAME	GENETIC			LEAF			QUALITY RATINGS				MEAN
	COLOR	SPRING GREENUP	TEXTURE	MAY	JUN	JUL	AUG	SEP	OCT		
AFFIRMED	6.7	6.3	6.0	6.3	6.0	6.7	6.0	4.0	4.3	5.6	
BRIGHTSTAR II	7.0	7.3	5.7	6.7	6.0	6.3	5.3	4.3	5.0	5.6	
BRIGHTSTAR SLT (PST-2A6B)	7.0	7.0	6.0	6.3	6.3	6.7	5.7	4.0	4.7	5.6	
DIVINE	7.0	7.3	6.0	6.0	6.0	6.3	5.7	4.7	5.0	5.6	
ELFKIN	7.0	7.0	6.0	6.0	6.3	6.7	5.7	4.3	4.7	5.6	
EXACTA	7.0	6.7	6.0	6.3	6.7	6.7	6.0	4.0	4.0	5.6	
FIESTA 3	7.0	8.0	6.0	7.0	6.0	6.7	6.0	4.0	4.0	5.6	
MAJESTY	7.0	6.7	6.7	5.7	6.7	6.7	5.7	4.3	4.7	5.6	
MANHATTAN 4 (PST-2CRL)	7.0	7.3	6.0	6.7	7.0	6.3	5.0	4.0	4.3	5.6	
MEPY	7.0	7.3	6.0	6.7	7.0	7.0	5.7	3.3	4.0	5.6	
MP107	7.0	7.3	6.0	6.0	6.3	6.7	6.0	4.0	4.3	5.6	
PARAGON	7.3	7.7	6.0	7.0	6.7	7.0	6.3	3.0	3.3	5.6	
PICK PR QH-97	7.7	7.0	6.0	6.7	6.3	7.0	5.0	4.0	4.3	5.6	
PLEASURE XL	7.0	6.3	6.0	6.3	6.0	6.0	5.3	4.7	5.3	5.6	
LS 2100 (PST-2SBE)	7.0	7.3	6.0	6.7	6.3	6.0	5.7	4.3	4.7	5.6	
SPLENDID (MB 411)	7.0	7.0	6.3	6.7	7.0	6.7	5.3	4.0	4.0	5.6	
SUMMERSET (MB 413)	7.3	7.0	6.0	6.7	6.3	6.7	5.0	4.3	4.3	5.6	
ICON (MB 414)	7.7	6.7	6.0	6.3	6.3	7.0	5.3	4.0	4.0	5.5	
PENNANT II	7.3	7.0	6.0	6.3	6.0	7.0	5.3	3.7	4.7	5.5	
PR 1-94 (PICK PR 1-94)	7.3	7.3	5.7	6.7	6.7	6.7	5.3	3.3	4.3	5.5	
RACER	7.0	7.0	6.0	6.3	6.7	6.7	4.7	3.7	5.0	5.5	
RACER II (PICK RC2)	6.7	7.3	6.0	6.3	6.3	6.0	6.0	4.0	4.3	5.5	
APR 1231	6.3	6.7	6.0	6.7	7.0	6.3	5.3	3.3	4.0	5.4	
CATALINA	7.0	6.7	6.0	6.7	6.0	6.3	5.7	3.7	4.0	5.4	
COURAGE (MB 410)	7.0	6.3	6.0	6.0	5.7	6.3	5.0	4.3	5.0	5.4	
DAZZLE (ABT-99-4.724)	7.3	7.0	6.0	6.0	6.0	6.7	6.0	4.0	4.0	5.4	
JR-128	6.7	7.0	6.0	6.3	6.0	6.0	5.0	4.7	4.7	5.4	
MONTEREY II (JR-187)	7.0	7.0	6.0	5.7	6.3	6.7	5.7	4.0	4.3	5.4	
PALMER III	7.0	7.0	6.0	6.0	6.0	6.3	6.0	4.0	4.0	5.4	
PROWLER (APR 777)	7.0	7.0	6.0	6.3	5.7	5.3	4.0	5.7	5.7	5.4	
SR 4350 (APR 1237)	7.3	7.0	6.0	6.7	6.0	6.3	5.3	4.0	4.3	5.4	
SUPERSTAR (EP57)	7.0	6.7	6.0	6.7	6.0	6.3	5.3	4.0	4.3	5.4	
CAS-LP84	6.7	6.7	6.0	6.7	6.0	6.7	5.0	3.7	4.0	5.3	
CRUISER (ABT-99-4.709)	7.3	5.7	6.0	6.0	6.0	6.0	5.7	4.0	4.3	5.3	
DP 17-9391	5.0	6.7	6.0	5.7	5.7	6.0	6.0	4.0	4.3	5.3	
HAWKEYE (SRX 4RHT)	7.3	7.3	6.0	6.0	6.7	7.0	5.3	3.3	3.3	5.3	
LPR 98-144	7.0	7.3	6.0	6.3	6.0	6.3	5.3	3.7	4.0	5.3	
LTP-ME	7.0	7.3	6.0	6.0	6.0	6.7	6.0	3.3	3.7	5.3	
PACESETTER (6011)	7.0	6.3	6.0	5.7	6.3	6.7	5.3	4.0	4.0	5.3	
PANTHER	6.7	6.7	6.0	6.0	5.7	6.7	6.0	3.7	4.0	5.3	
PST-2M4	7.0	6.7	6.0	5.7	5.3	6.7	5.7	4.0	4.3	5.3	
PST-2RT	6.3	6.7	6.3	6.0	5.7	6.0	4.7	4.3	5.3	5.3	
WVPB-R-84	6.3	6.7	6.0	6.0	5.7	6.0	5.7	4.0	4.3	5.3	
ABT-99-4.815	7.0	6.3	6.0	6.0	5.7	6.3	5.3	4.0	4.0	5.2	
ADMIRE (JR-151)	7.0	6.7	5.7	5.7	6.0	5.7	5.3	4.0	4.7	5.2	
ALLSPORT	7.0	6.3	6.0	6.0	6.3	6.3	5.7	3.3	3.7	5.2	
APR 776	6.7	6.3	5.7	5.7	5.7	6.0	5.3	4.3	4.3	5.2	

TABLE 8. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
2003 DATA

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

NAME	QUALITY RATINGS									
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
CATHEDRAL II	6.0	7.3	6.0	5.3	6.0	6.3	5.7	3.7	4.0	5.2
EP53	6.7	5.7	6.0	6.0	5.3	5.7	5.7	4.0	4.3	5.2
EXTREME (JR-317)	7.0	7.3	6.0	6.3	6.0	6.3	5.0	3.7	4.0	5.2
LINE DRIVE	6.7	6.3	6.0	6.0	6.3	6.0	4.7	4.0	4.3	5.2
MANHATTAN 3	7.0	6.7	6.0	6.0	5.7	6.0	5.3	4.0	4.3	5.2
MP103	7.0	6.7	6.0	6.0	5.7	6.3	5.7	3.7	3.7	5.2
PROMISE	7.3	7.7	6.0	6.0	7.0	6.3	4.7	3.3	4.0	5.2
PROTYME (ABT-99-4.625)	7.3	6.7	6.0	5.3	5.7	6.0	5.7	4.0	4.3	5.2
PST-2CRR	7.0	6.7	6.0	6.3	5.7	5.7	5.7	4.0	4.0	5.2
PST-2JH	6.3	7.0	6.0	5.3	6.0	5.7	4.7	4.3	5.0	5.2
SECRETARIAT	6.7	7.3	6.0	5.7	5.0	6.0	5.7	4.7	4.3	5.2
APR 1232	6.0	6.7	6.0	5.3	6.0	6.0	5.3	4.0	4.0	5.1
ASCEND	7.0	7.3	6.0	5.7	5.7	6.0	4.7	4.0	4.3	5.1
CHARGER II	6.3	6.3	6.0	5.3	5.3	6.0	5.3	4.0	4.3	5.1
PARADIGM (APR 1236)	6.7	6.7	6.0	6.3	5.7	5.7	5.0	4.0	4.0	5.1
PASSPORT	7.0	7.0	6.0	6.3	5.7	6.0	5.3	3.0	4.0	5.1
PICK PRNGS	6.7	7.0	6.0	5.7	6.0	5.7	5.0	4.0	4.0	5.1
PROSPORT (AG-P981)	7.0	7.0	6.0	5.0	5.7	6.3	5.7	4.0	4.0	5.1
RENAISSANCE (APR 1233)	6.0	6.7	6.0	5.3	5.7	5.3	5.0	4.7	4.7	5.1
HEADSTART	6.7	7.7	5.7	6.0	6.0	6.0	5.3	3.0	3.7	5.0
APR 1235	6.7	7.0	6.3	5.0	4.7	5.7	5.0	4.3	4.7	4.9
BY-100	6.3	7.0	6.0	5.0	6.0	6.0	5.3	3.3	4.0	4.9
LPR 98-143	7.0	7.7	6.0	6.0	5.7	5.7	4.0	3.7	4.7	4.9
SKYHAWK	7.0	6.0	6.0	6.0	5.7	5.7	4.7	3.7	4.0	4.9
SRX 4120	6.7	6.3	5.7	5.7	5.7	6.3	4.7	3.3	3.7	4.9
ABT-99-4.600	6.7	7.3	6.0	5.7	5.3	5.7	4.3	3.7	4.3	4.8
KOOS R-71	6.3	7.3	5.7	6.0	5.7	5.3	5.0	3.3	3.7	4.8
PICK EX2	6.3	6.3	6.0	5.3	5.0	5.7	4.7	4.0	4.3	4.8
AFFINITY	6.3	7.0	6.0	5.7	5.3	5.3	4.7	3.3	3.7	4.7
APR 1234	6.0	6.7	5.7	4.7	5.3	5.0	5.0	4.3	4.0	4.7
PHANTOM	7.0	6.3	5.7	5.3	5.3	5.3	4.3	4.0	4.0	4.7
PREMIER	6.3	6.3	5.7	4.7	5.3	5.7	4.3	3.7	4.3	4.7
EDGE	6.0	6.7	6.0	5.3	5.3	5.7	4.7	3.0	3.7	4.6
YATSUGREEN	5.7	6.0	5.3	5.0	5.3	5.3	4.7	3.3	4.0	4.6
DP 17-9069	5.3	6.0	6.0	5.7	5.0	5.7	3.7	3.0	3.3	4.4
WVPB-R-82	6.3	6.0	5.7	5.3	4.3	5.3	4.7	3.0	3.7	4.4
BUCCANEER	5.7	6.3	5.3	4.3	5.3	5.0	4.0	3.0	3.7	4.2
DP LP-1	5.0	5.3	5.7	5.0	4.7	4.7	3.7	3.0	3.0	4.0
DP 17-9496	5.0	6.0	4.7	4.0	4.0	4.0	3.3	2.3	3.0	3.4
LINN	4.0	4.7	3.3	3.0	3.0	3.0	2.3	2.0	3.0	2.7
LSD VALUE	0.6	1.1	0.5	1.0	0.9	0.9	1.2	0.8	1.0	0.5
C.V. (%)	6.0	8.8	5.4	10.4	9.5	8.5	12.6	11.9	13.5	5.6

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 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT ORONO, ME 1/
2003 DATA

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

NAME	GENETIC COLOR	BROWN PATCH		QUALITY RATINGS						MEAN
		WARM TEMP.	APR	MAY	JUN	JUL	AUG	SEP		
MACH 1 (ROBERTS-627)	8.7	9.0	8.7	9.0	8.7	8.7	9.0	9.0	8.8	
ARRIVAL (CIS-PR-84)	8.7	9.0	7.3	9.0	8.7	9.0	9.0	8.7	8.6	
CHARISMATIC (LTP 98-501)	8.3	8.0	8.0	8.7	8.7	8.7	8.3	9.0	8.6	
PENTIUM (NJ-6401)	8.3	8.7	7.0	9.0	8.7	9.0	9.0	8.7	8.6	
SUNKISSED (ABT-99-4.834)	9.0	9.0	7.7	8.3	8.7	9.0	9.0	8.7	8.6	
ALL STAR2 (CIS-PR-78)	9.0	9.0	7.3	8.7	8.0	9.0	9.0	9.0	8.5	
APPLAUD (PENNINGTON-11301)	8.3	8.7	7.3	8.7	8.0	9.0	9.0	9.0	8.5	
PINNACLE II (BAR 9 B2)	8.3	9.0	7.3	8.7	8.7	8.3	9.0	9.0	8.5	
BLAZER IV (PICK MDR)	8.3	9.0	7.3	8.3	8.7	8.7	8.7	9.0	8.4	
CITATION FORE (PST-2BR)	8.7	8.7	7.7	8.0	8.3	8.7	9.0	9.0	8.4	
DLF-LDD	9.0	9.0	7.3	8.7	8.0	9.0	8.7	8.7	8.4	
GRAND SLAM 2L96 (PST-2L96)	8.7	9.0	7.3	9.0	8.0	8.7	9.0	8.7	8.4	
QUEST II (ABT-99-4.721)	9.0	9.0	7.3	8.7	8.0	9.0	8.7	8.7	8.4	
SPLENDID (MB 411)	8.7	8.7	7.7	8.3	8.7	8.3	8.7	8.7	8.4	
SR 4420 (SRX 4820)	8.7	9.0	6.7	9.0	8.3	8.7	9.0	9.0	8.4	
ABT-99-4.115	9.0	9.0	7.3	8.3	8.0	8.7	8.3	9.0	8.3	
CRUISER (ABT-99-4.709)	8.0	7.7	8.0	8.0	8.7	8.3	8.3	8.3	8.3	
GATOR 3 (CIS-PR-85)	8.3	8.3	7.7	8.3	8.3	8.3	8.7	8.7	8.3	
INSPIRE (R8000)	8.7	8.3	7.3	8.3	8.0	8.7	8.3	9.0	8.3	
JET	9.0	8.3	6.7	8.7	8.0	9.0	8.7	8.7	8.3	
KOKOMO (CIS-PR-69)	8.7	8.3	8.0	8.7	8.7	7.7	8.3	8.7	8.3	
NEXUS	9.0	7.7	7.3	8.3	8.3	8.0	8.7	9.0	8.3	
PICK PR QH-97	9.0	9.0	6.7	8.3	8.0	9.0	9.0	9.0	8.3	
SR 4220 (SRX 4801)	8.7	8.7	8.3	8.7	8.0	8.3	8.3	8.3	8.3	
WILMINGTON	9.0	7.3	7.3	8.7	9.0	8.0	8.3	8.7	8.3	
AMAZING (B1)	8.3	9.0	7.0	8.3	7.7	8.7	8.7	9.0	8.2	
BARLENNIUM	8.3	9.0	7.3	8.0	7.7	8.0	9.0	9.0	8.2	
CABO (CIS-PR-80)	9.0	8.0	7.0	8.7	8.0	8.3	8.3	8.7	8.2	
CHURCHILL	8.7	8.7	7.7	8.3	8.3	8.3	8.7	8.0	8.2	
EXACTA	8.7	8.7	6.7	8.0	8.3	8.7	9.0	8.3	8.2	
HAWKEYE (SRX 4RHT)	9.0	8.3	7.0	8.3	8.0	8.7	9.0	8.0	8.2	
MP88	8.0	8.0	7.3	8.7	8.0	8.3	8.0	9.0	8.2	
PR 1-94 (PICK PR 1-94)	8.0	7.7	8.0	8.3	7.0	8.3	8.3	9.0	8.2	
SUMMERSET (MB 413)	8.0	8.7	7.3	8.7	8.7	7.3	8.3	8.7	8.2	
ABT-99-4.560	7.3	7.3	6.3	9.0	8.3	8.3	8.0	8.3	8.1	
ABT-99-4.815	9.0	9.0	7.3	8.3	7.7	8.3	8.7	8.0	8.1	
BRIGHTSTAR SLT (PST-2A6B)	8.0	7.7	7.7	8.3	7.7	7.3	8.7	9.0	8.1	
COURAGE (MB 410)	8.7	9.0	7.0	8.0	8.0	8.7	8.7	8.3	8.1	
FIESTA 3	8.7	7.7	7.3	8.0	7.3	9.0	8.0	8.7	8.1	
IQ (CIS-PR-75)	8.0	9.0	7.3	8.7	8.3	7.7	8.7	8.0	8.1	
MANHATTAN 4 (PST-2CRL)	8.0	8.0	8.0	8.0	7.7	8.0	8.3	8.3	8.1	
MDP	7.7	8.7	7.3	8.7	8.0	7.3	8.3	9.0	8.1	
PALMER III	8.7	8.7	7.3	8.3	7.3	8.0	9.0	8.3	8.1	
PIZZAZZ	8.3	8.3	6.7	8.0	7.7	8.7	8.3	9.0	8.1	
PREMIER II	9.0	9.0	7.0	7.3	7.7	9.0	9.0	8.3	8.1	
PROTYME (ABT-99-4.625)	8.3	8.3	7.0	8.0	8.7	8.3	8.3	8.0	8.1	
PST-2CRR	9.0	8.3	7.0	8.7	8.0	8.3	8.0	8.3	8.1	

TABLE 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT ORONO, ME 1/
2003 DATA

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

NAME	GENETIC COLOR	BROWN PATCH		QUALITY RATINGS						MEAN
		WARM	TEMP.	APR	MAY	JUN	JUL	AUG	SEP	
RADIANT	8.7	8.7	6.7	8.7	8.0	8.7	8.7	7.7	8.1	
AFFIRMED	8.0	8.3	7.3	8.0	8.0	8.3	8.0	8.3	8.0	
PEARL II (EPD)	8.7	8.3	7.0	8.7	8.0	8.7	7.3	8.3	8.0	
MEPY	8.3	7.0	8.0	8.7	8.0	7.3	7.7	8.3	8.0	
MP103	7.7	6.7	7.3	8.7	8.0	8.0	7.3	8.7	8.0	
PICK PRNGS	9.0	8.3	7.0	8.3	8.0	8.7	8.3	7.7	8.0	
ABT-99-4.339	8.0	8.7	7.0	8.3	7.7	8.7	8.0	8.0	7.9	
ABT-99-4.464	8.0	8.7	6.7	8.0	8.0	8.7	8.3	8.0	7.9	
CALYPSO II	8.0	8.7	7.3	7.7	8.0	8.0	8.0	8.3	7.9	
CATALINA II (PST-CATS)	7.3	7.7	7.7	8.0	7.7	7.7	8.3	8.3	7.9	
DAZZLE (ABT-99-4.724)	8.7	8.3	7.0	8.0	8.0	8.0	8.3	8.0	7.9	
GALLERY (MB 412)	8.0	8.3	6.3	8.7	8.3	6.7	8.3	9.0	7.9	
ICON (MB 414)	8.7	8.7	7.3	8.7	8.0	6.7	8.3	8.7	7.9	
LTP-ME	7.3	8.7	7.0	7.3	8.3	7.7	8.7	8.3	7.9	
MONTEREY II (JR-187)	8.3	8.7	7.0	8.0	7.7	8.3	8.7	7.7	7.9	
PICK PR B-97	8.3	8.7	6.3	8.0	7.7	8.0	9.0	8.3	7.9	
PST-2LA	7.7	8.3	6.7	8.3	7.7	8.3	8.3	8.0	7.9	
PST-2M4	8.0	7.3	7.3	7.7	7.7	8.3	8.3	8.3	7.9	
PST-2RT	9.0	8.3	7.0	8.0	7.7	8.7	8.0	8.0	7.9	
SALINAS (PST-2SLX)	8.0	8.7	7.0	8.0	7.7	7.7	8.3	8.7	7.9	
SEVILLE II	8.7	9.0	6.3	8.3	8.3	8.7	8.0	7.7	7.9	
ABT-99-4.965	8.3	7.3	7.3	8.0	8.3	7.7	7.7	8.0	7.8	
ADMIRE (JR-151)	8.0	7.7	8.0	7.7	7.3	8.0	7.7	8.0	7.8	
ASCEND	7.7	8.7	7.3	8.3	7.0	7.7	8.3	8.0	7.8	
CATHEDRAL II	8.0	9.0	7.3	7.7	7.7	8.0	8.7	7.7	7.8	
MAJESTY	8.3	8.0	6.3	8.3	7.3	7.7	9.0	8.0	7.8	
MP107	8.3	7.0	6.7	8.7	7.7	8.3	7.3	8.0	7.8	
PACESETTER (6011)	8.0	9.0	7.7	8.0	7.3	7.7	8.0	8.0	7.8	
PANTHER	7.3	9.0	6.7	8.0	8.0	8.0	8.3	7.7	7.8	
PARAGON	8.3	7.3	7.0	8.0	8.0	8.3	7.7	7.7	7.8	
RACER II (PICK RC2)	7.7	8.7	7.7	7.7	7.7	8.3	7.7	8.0	7.8	
SKYHAWK	7.0	8.0	7.0	8.7	7.7	7.3	8.0	8.0	7.8	
SR 4500	8.7	8.0	7.7	7.3	8.3	7.7	8.0	8.0	7.8	
STELLAR (CIS-PR-72)	9.0	7.3	6.7	8.0	8.0	8.0	8.0	8.0	7.8	
SUPERSTAR (EP57)	8.0	7.3	7.7	8.0	7.7	7.7	7.7	8.0	7.8	
ALLSPORT	8.0	8.7	7.0	7.7	7.7	8.0	7.7	8.0	7.7	
CAS-LP84	8.3	7.0	7.0	8.3	7.7	7.7	7.7	8.0	7.7	
CHARGER II	7.7	8.0	7.3	8.0	7.3	7.0	8.3	8.0	7.7	
DIVINE	7.7	8.7	7.3	7.7	7.3	7.7	8.7	7.3	7.7	
ELFKIN	9.0	9.0	6.0	8.3	6.3	8.7	8.7	8.0	7.7	
EP53	6.7	7.7	6.7	8.7	8.0	6.7	8.0	8.0	7.7	
EXTREME (JR-317)	7.3	8.3	7.0	8.7	7.0	7.7	8.0	7.7	7.7	
LINE DRIVE	7.7	8.3	7.0	8.0	8.0	7.3	8.3	7.3	7.7	
MANHATTAN 3	6.7	8.0	7.0	7.7	7.3	7.7	8.7	7.7	7.7	
PARADIGM (APR 1236)	8.3	8.3	7.7	8.0	7.0	8.0	8.0	7.7	7.7	
PASSPORT	7.7	8.7	7.0	7.7	7.7	8.0	8.3	7.3	7.7	
PENNANT II	8.0	9.0	6.7	8.0	7.3	7.3	8.7	8.0	7.7	

TABLE 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT ORONO, ME 1/
2003 DATA

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

NAME	GENETIC COLOR	BROWN PATCH WARM TEMP.	QUALITY RATINGS						MEAN
			APR	MAY	JUN	JUL	AUG	SEP	
PHANTOM	7.7	8.3	6.7	8.0	7.7	7.7	8.3	8.0	7.7
PLEASURE XL	7.7	7.7	7.3	8.0	7.0	7.7	8.0	8.0	7.7
PROMISE	7.7	9.0	6.3	8.0	8.0	7.3	8.7	8.0	7.7
TERRADYNE (A5C)	7.0	7.3	7.0	8.7	7.3	7.0	7.7	8.3	7.7
APR 776	7.7	8.0	7.3	8.7	7.0	7.3	8.3	7.0	7.6
BRIGHTSTAR II	7.0	8.3	6.3	7.7	7.3	7.3	8.0	8.7	7.6
CATALINA	7.3	7.7	6.7	7.7	7.0	7.3	8.0	8.7	7.6
PST-2JH	8.0	8.0	6.3	8.3	7.7	7.0	8.0	8.0	7.6
LS 2100 (PST-2SBE)	7.7	8.0	5.7	8.3	7.3	7.7	8.3	8.3	7.6
RACER	6.7	8.7	8.0	7.7	7.3	7.3	8.0	7.3	7.6
SECRETARIAT	8.0	8.3	6.7	7.7	7.7	8.0	8.0	7.7	7.6
HEADSTART	8.0	8.3	7.0	7.7	7.3	8.0	8.0	7.0	7.5
PROSPORT (AG-P981)	7.7	7.0	6.7	8.0	7.3	7.3	7.7	8.0	7.5
PREMIER	7.7	8.3	7.0	7.7	7.3	7.3	7.7	7.3	7.4
SRX 4120	7.0	7.7	7.3	7.0	8.0	7.0	8.0	7.3	7.4
ABT-99-4.600	7.7	8.0	6.7	7.7	7.3	6.7	7.7	7.7	7.3
APR 1231	7.3	8.7	6.7	8.0	7.0	8.0	7.7	6.7	7.3
APR 1232	7.0	8.7	6.7	7.7	7.7	6.7	7.7	7.3	7.3
JR-128	7.3	7.7	7.0	7.7	7.7	7.0	7.0	7.7	7.3
PROWLER (APR 777)	6.7	7.7	7.0	8.0	7.0	6.7	7.7	7.3	7.3
SR 4350 (APR 1237)	7.0	9.0	6.7	7.3	7.3	7.0	8.0	7.7	7.3
APR 1235	7.0	8.7	6.3	7.7	6.7	7.0	8.3	7.3	7.2
PICK EX2	7.7	8.0	7.3	7.0	6.7	7.3	7.3	7.3	7.2
EDGE	7.3	9.0	5.7	7.3	6.7	7.7	8.0	7.0	7.1
LPR 98-143	6.3	7.3	6.7	7.7	7.0	7.0	7.7	6.7	7.1
LPR 98-144	7.0	6.0	7.7	7.0	7.3	6.7	6.7	7.3	7.1
BY-100	6.7	8.0	6.3	7.0	6.7	7.0	8.0	7.0	7.0
AFFINITY	7.3	6.7	6.3	6.7	6.7	7.3	7.0	7.3	6.9
RENAISSANCE (APR 1233)	6.7	8.3	5.7	7.7	7.7	6.3	7.3	6.7	6.9
WVPB-R-84	7.3	7.7	6.7	7.7	7.0	6.7	7.3	6.3	6.9
DP 17-9069	6.3	5.7	6.7	7.3	7.3	6.7	6.0	6.0	6.7
KOOS R-71	6.0	6.3	6.0	6.7	6.7	6.7	7.3	6.7	6.7
DP LP-1	7.0	5.7	6.0	7.7	6.7	6.3	6.0	6.7	6.6
WVPB-R-82	5.3	6.3	6.0	7.0	6.7	6.0	6.7	6.7	6.5
BUCCANEER	6.7	7.3	5.3	6.7	6.7	6.7	7.0	6.0	6.4
DP 17-9391	5.7	6.7	6.3	7.3	6.7	6.3	6.0	6.0	6.4
APR 1234	6.0	6.0	6.7	6.7	6.3	5.7	6.0	6.3	6.3
YATSUGREEN	6.3	7.7	4.7	6.0	6.3	6.7	6.7	6.3	6.1
DP 17-9496	6.0	5.3	6.7	6.3	6.3	5.7	5.0	5.7	5.9
LINN	4.7	4.3	5.0	6.3	6.0	4.7	4.3	4.7	5.2
LSD VALUE	1.4	2.1	2.3	1.1	1.3	1.6	1.1	0.9	0.5
C.V. (%)	10.6	13.1	12.7	7.8	9.2	11.4	8.1	7.4	4.6

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 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT EAST LANSING, MI 1/
2003 DATA

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

NAME	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	PERCENT	QUALITY RATINGS									MEAN
					COVER SUMMER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
PINNACLE II (BAR 9 B2)	6.3	6.3	6.3	7.3	88.3	5.7	6.7	7.7	7.7	7.7	6.3	6.7	6.7	6.9	
GRAND SLAM 2L96 (PST-2L96)	6.0	6.3	6.3	7.0	86.7	6.3	6.0	7.0	7.0	7.0	7.0	7.3	7.0	6.8	
GALLERY (MB 412)	5.7	5.7	6.3	7.0	86.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0	6.7	6.7	
JET	5.7	6.3	6.3	7.0	85.0	6.0	6.0	7.0	7.0	7.0	6.7	7.0	6.7	6.7	
PACESETTER (6011)	6.0	6.0	6.3	7.0	87.3	6.3	6.0	7.0	7.0	7.0	6.3	7.3	6.7	6.7	
SR 4220 (SRX 4801)	6.0	6.0	6.3	7.3	85.0	6.0	6.0	7.0	7.0	7.0	6.7	7.0	7.0	6.7	
APR 1232	6.3	6.0	6.3	7.0	86.7	6.3	6.0	7.0	7.0	7.0	6.3	7.0	6.3	6.6	
BY-100	5.0	6.0	6.0	6.7	88.3	5.7	6.0	7.0	7.3	7.0	6.3	7.0	6.3	6.6	
CATALINA	5.7	6.0	5.3	7.0	86.7	6.0	6.0	7.0	7.0	7.0	6.3	7.0	6.7	6.6	
CITATION FORE (PST-2BR)	6.0	6.7	6.7	7.0	88.3	6.0	6.0	7.0	7.0	7.0	6.0	7.0	6.7	6.6	
DLF-LDD	6.3	6.0	6.0	7.0	88.3	6.0	6.0	7.0	7.0	7.0	6.3	7.0	6.7	6.6	
MANHATTAN 4 (PST-2CRL)	6.0	6.0	6.0	7.0	86.7	6.0	5.7	6.7	7.0	6.7	7.0	7.0	6.7	6.6	
SECRETARIAT	5.7	6.3	6.0	7.0	91.0	5.7	6.0	7.0	7.0	7.0	6.7	6.7	6.7	6.6	
SR 4350 (APR 1237)	6.0	6.7	6.3	6.7	86.7	5.7	6.0	7.0	7.0	7.0	7.0	6.7	6.3	6.6	
SRX 4120	5.7	6.0	6.3	7.0	86.7	6.3	6.0	6.7	6.7	6.7	6.0	7.3	7.0	6.6	
SUNKISSED (ABT-99-4.834)	6.0	6.3	6.0	7.0	85.0	6.3	5.7	6.7	7.0	6.7	6.0	7.0	7.3	6.6	
ABT-99-4.560	6.7	6.7	6.7	7.0	86.7	6.0	6.0	7.0	7.0	7.0	6.3	6.7	6.3	6.5	
ADMIRE (JR-151)	5.7	6.0	6.3	7.0	86.0	6.0	5.7	7.0	6.7	6.7	6.3	7.0	7.0	6.5	
APR 1231	5.7	6.0	6.0	7.0	85.0	6.0	6.0	6.7	6.7	6.7	6.3	7.0	7.0	6.5	
APR 776	6.0	6.7	6.3	6.7	88.3	6.0	5.7	6.7	6.7	6.7	6.3	7.3	6.3	6.5	
BRIGHTSTAR II	5.3	6.0	6.0	7.0	88.3	6.0	5.7	6.7	7.0	6.7	6.3	7.0	6.3	6.5	
BRIGHTSTAR SLT (PST-2A6B)	6.0	6.3	5.7	7.0	85.0	5.7	6.0	7.0	7.0	7.0	6.3	6.7	6.3	6.5	
CHARISMATIC (LTP 98-501)	6.7	6.7	6.3	7.0	88.3	5.7	6.0	7.0	7.0	7.0	6.3	6.7	6.3	6.5	
DP LP-1	5.3	6.0	6.0	7.0	85.0	5.7	6.0	7.0	7.0	7.0	6.7	6.3	6.3	6.5	
EDGE	5.7	6.3	6.0	6.7	83.3	6.0	5.7	7.0	6.7	6.7	6.7	7.0	6.7	6.5	
ELFKIN	6.3	6.0	6.0	7.0	85.0	6.0	6.0	6.7	6.7	6.7	6.3	7.0	6.7	6.5	
EXTREME (JR-317)	6.0	6.0	6.0	7.0	83.3	5.7	6.0	7.0	7.0	7.0	6.7	6.7	6.3	6.5	
HAWKEYE (SRX 4RHT)	6.0	6.0	6.0	6.7	85.0	6.0	6.0	7.0	7.0	7.0	6.3	7.0	6.0	6.5	
HEADSTART	5.3	6.0	6.3	7.0	89.7	5.7	6.0	7.0	7.0	7.0	6.3	6.7	6.0	6.5	
ICON (MB 414)	5.0	6.0	6.7	7.0	86.7	6.3	5.3	6.3	6.7	6.3	6.3	7.0	7.3	6.5	
INSPIRE (R8000)	6.3	6.3	6.3	7.0	88.3	6.0	5.7	6.7	6.7	6.7	6.7	7.0	6.7	6.5	
LINE DRIVE	6.0	6.0	6.0	7.0	86.7	6.0	5.7	6.7	6.7	6.7	6.7	7.0	6.7	6.5	
MACH 1 (ROBERTS-627)	6.3	6.0	6.3	7.0	88.3	5.7	5.7	6.7	7.0	6.7	6.7	6.7	6.7	6.5	
MANHATTAN 3	5.7	6.0	5.7	7.0	86.7	5.7	6.0	7.0	7.0	7.0	6.3	6.7	6.3	6.5	
MONTEREY II (JR-187)	6.0	6.3	6.3	7.0	86.7	6.0	5.7	7.0	7.0	6.7	6.7	7.0	6.3	6.5	
PANTHER	6.0	6.0	6.0	6.7	86.7	5.7	6.0	7.0	7.0	7.0	6.3	6.7	6.3	6.5	
PASSPORT	5.7	6.3	6.3	6.7	88.0	5.7	6.0	7.0	7.0	7.0	6.3	6.7	6.0	6.5	
PICK PR QH-97	6.0	6.3	6.3	7.0	86.7	5.7	6.0	7.0	7.0	7.0	6.3	6.7	6.3	6.5	
PLEASURE XL	6.3	6.0	6.0	7.0	89.0	5.7	5.7	6.7	7.0	6.7	6.7	6.7	6.7	6.5	
PREMIER	5.7	6.0	6.0	6.7	90.0	6.0	5.7	6.7	6.7	6.7	6.3	7.0	6.7	6.5	
PREMIER II	6.0	6.3	6.3	6.7	88.3	6.0	5.7	7.0	6.7	6.7	6.7	7.0	6.0	6.5	
PROWLER (APR 777)	5.7	6.0	6.0	6.7	83.3	6.0	6.0	7.0	7.0	7.0	6.3	6.7	6.3	6.5	
PST-2JH	5.7	6.7	6.3	7.0	86.7	6.0	5.7	6.7	6.7	6.7	6.3	7.0	6.7	6.5	
PST-2LA	6.0	6.3	6.3	7.0	88.3	6.3	5.7	6.3	7.0	6.3	6.0	7.3	7.0	6.5	
SALINAS (PST-2SLX)	5.7	6.0	6.0	7.0	85.0	5.3	6.0	7.0	7.0	7.0	6.7	6.3	6.3	6.5	
SR 4420 (SRX 4820)	6.3	6.7	6.3	7.0	87.7	6.0	6.0	7.0	7.0	7.0	6.3	6.7	6.3	6.5	
SR 4500	5.7	6.7	6.3	6.7	86.7	6.0	6.0	7.0	7.0	7.0	6.3	7.0	6.0	6.5	

TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT EAST LANSING, MI 1/
2003 DATA

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

NAME	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	PERCENT COVER SUMMER	QUALITY RATINGS						MEAN		
						APR	MAY	JUN	JUL	AUG	SEP		OCT	NOV
STELLAR (CIS-PR-72)	5.7	6.3	6.0	7.3	86.7	5.7	6.3	7.0	7.0	7.0	6.3	6.7	6.0	6.5
TERRADYNE (A5C)	5.7	6.0	5.7	6.7	83.3	5.7	6.0	6.7	6.7	6.7	6.7	6.7	6.7	6.5
WVPB-R-84	6.3	6.3	6.3	7.0	88.3	6.0	5.7	6.7	7.0	6.7	6.7	7.0	6.3	6.5
YATSUGREEN	5.3	5.7	5.3	6.3	88.0	5.7	6.0	7.0	7.0	7.0	6.3	6.7	6.3	6.5
ABT-99-4.600	5.7	6.0	6.0	6.7	83.3	6.0	5.7	6.7	7.0	6.7	6.3	6.7	6.3	6.4
ALLSPORT	6.0	6.0	6.0	7.0	83.3	6.0	5.7	6.7	7.0	6.7	6.7	6.7	6.0	6.4
ARRIVAL (CIS-PR-84)	6.3	6.0	6.0	7.0	85.0	5.7	5.7	6.7	7.0	6.7	6.3	6.7	6.3	6.4
CALYPSO II	5.3	6.0	5.7	7.0	89.3	6.0	5.7	6.7	6.7	6.7	6.0	7.0	6.7	6.4
CATHEDRAL II	6.0	6.0	6.0	7.0	85.0	6.0	5.7	6.7	7.0	6.7	6.7	6.7	6.0	6.4
COURAGE (MB 410)	6.0	6.0	6.0	7.0	84.3	5.7	5.7	6.7	6.7	6.7	6.7	6.7	6.3	6.4
DP 17-9496	5.3	6.3	6.3	6.3	86.7	6.3	5.3	6.3	6.3	6.3	6.3	7.3	7.0	6.4
PEARL II (EPD)	5.7	6.0	5.7	6.7	83.3	5.7	5.7	6.7	6.7	6.7	6.3	6.7	7.0	6.4
FIESTA 3	6.0	5.7	5.7	7.0	89.3	5.3	6.0	7.0	7.0	7.0	6.3	6.3	6.3	6.4
GATOR 3 (CIS-PR-85)	6.7	6.0	6.3	7.0	85.0	5.7	6.0	6.7	6.7	7.0	6.3	6.7	6.3	6.4
KOKOMO (CIS-PR-69)	6.0	6.3	6.0	7.0	86.7	5.7	5.7	6.7	7.0	6.7	6.3	6.7	6.7	6.4
MAJESTY	6.3	6.0	5.7	7.0	86.7	5.3	5.7	6.7	7.0	6.7	7.0	6.3	6.3	6.4
MP103	5.7	6.3	6.3	6.7	88.3	6.0	5.7	6.7	6.7	6.7	6.3	6.7	6.3	6.4
NEXUS	5.7	5.7	6.3	6.7	85.0	5.7	5.7	6.7	7.0	6.7	6.7	6.7	6.3	6.4
PENTIUM (NJ-6401)	7.0	6.7	6.3	7.0	86.7	5.7	5.7	6.7	7.0	6.7	6.7	6.7	6.3	6.4
PHANTOM	5.7	6.0	6.0	7.0	85.0	5.7	5.7	7.0	6.7	6.7	6.3	6.7	6.7	6.4
PROSPORT (AG-P981)	5.7	6.0	6.3	7.0	85.7	6.0	5.7	6.7	6.7	6.7	6.0	7.0	6.3	6.4
PROTYME (ABT-99-4.625)	6.0	6.0	5.7	7.0	85.0	6.0	5.3	6.3	6.7	6.3	6.7	7.0	6.7	6.4
PST-2M4	6.0	6.0	6.0	6.7	83.3	6.0	6.0	6.7	6.7	6.7	6.3	6.7	6.0	6.4
LS 2100 (PST-2SBE)	5.7	6.3	6.3	7.0	85.0	6.0	5.3	6.7	6.7	6.3	6.3	7.0	7.0	6.4
RENAISSANCE (APR 1233)	5.7	5.7	6.0	6.7	86.7	5.3	5.7	6.7	7.0	6.7	7.0	6.3	6.3	6.4
SKYHAWK	5.7	5.7	5.7	6.7	81.7	5.7	5.7	6.7	7.0	6.7	6.3	6.7	6.3	6.4
WILMINGTON	5.3	6.0	5.7	6.7	81.7	5.7	5.7	6.7	6.7	6.7	6.7	6.7	6.3	6.4
ABT-99-4.815	6.0	6.0	6.0	6.7	86.7	6.0	5.0	6.0	7.0	6.0	7.0	7.0	6.3	6.3
AFFIRMED	5.7	6.0	5.7	7.0	90.0	5.7	5.7	6.7	6.7	6.7	6.0	6.7	6.3	6.3
ALL STAR2 (CIS-PR-78)	6.0	5.7	5.3	6.7	88.3	5.3	5.7	7.0	7.3	7.0	6.0	6.0	6.3	6.3
AMAZING (B1)	6.7	6.3	6.3	6.7	86.0	5.7	5.7	6.3	7.0	6.3	6.3	6.7	6.0	6.3
APR 1235	6.3	6.0	6.0	7.0	85.0	5.3	5.7	6.7	7.0	6.7	6.3	6.3	6.3	6.3
CATALINA II (PST-CATS)	5.7	6.0	6.0	7.0	85.0	5.3	5.7	6.7	6.7	6.7	6.3	6.3	6.3	6.3
CRUISER (ABT-99-4.709)	6.0	6.3	5.7	6.7	83.3	5.7	5.7	6.3	6.7	6.3	6.3	7.0	6.3	6.3
DIVINE	6.3	6.3	6.0	7.0	88.3	5.7	5.0	6.3	6.7	6.3	6.7	7.0	6.3	6.3
JR-128	5.3	5.7	5.7	6.7	85.0	5.7	5.3	6.7	6.7	6.7	6.3	6.3	6.3	6.3
LPR 98-144	5.7	6.3	6.7	7.0	88.0	5.3	5.7	6.7	7.0	7.0	6.7	6.3	6.0	6.3
MP107	5.3	6.0	6.0	6.7	84.3	6.0	5.3	6.3	6.7	6.3	6.3	7.0	6.3	6.3
MP88	5.7	5.7	5.7	7.0	83.3	5.7	5.3	6.7	6.7	6.3	6.7	6.7	6.0	6.3
PARADIGM (APR 1236)	6.3	6.0	6.3	6.7	83.3	5.7	5.7	6.7	7.0	6.7	6.3	6.7	6.0	6.3
PENNANT II	6.0	6.0	6.0	6.7	85.0	5.7	5.7	6.7	6.7	6.7	6.3	6.7	6.3	6.3
PR 1-94 (PICK PR 1-94)	5.7	6.0	6.0	7.0	86.3	5.7	5.3	6.3	6.3	6.3	6.7	6.7	6.7	6.3
PROMISE	5.7	5.7	6.0	7.0	83.3	5.3	5.7	6.7	6.7	6.7	6.3	6.3	6.3	6.3
PST-2CRR	6.0	6.0	6.0	6.3	85.0	5.7	5.3	6.7	6.3	6.3	6.3	6.7	6.7	6.3
QUEST II (ABT-99-4.721)	6.0	6.3	6.0	7.0	85.0	5.7	5.7	6.7	7.0	6.7	6.0	6.7	6.0	6.3
RACER	5.7	5.7	5.7	7.0	87.7	5.7	5.7	6.3	6.7	6.3	6.3	6.7	6.7	6.3
RACER II (PICK RC2)	6.3	6.3	6.0	7.0	85.0	5.7	5.7	6.7	6.7	6.7	6.0	6.3	6.7	6.3

TABLE 10. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT EAST LANSING, MI 1/
2003 DATA

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

NAME	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	PERCENT COVER			QUALITY RATINGS						MEAN
					SUMMER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
RADIANT	5.0	5.7	6.0	7.0	84.3	5.3	5.3	6.3	6.7	6.3	7.0	7.0	6.0	6.3
WVPB-R-82	5.7	6.3	6.0	6.3	86.7	5.3	5.3	6.7	7.0	6.7	7.0	6.3	6.0	6.3
ABT-99-4.339	5.3	5.7	5.3	6.7	86.7	5.7	5.3	6.3	6.3	6.3	6.7	6.3	6.3	6.2
ABT-99-4.965	5.7	6.0	5.7	7.0	83.3	5.7	5.3	6.3	6.7	6.3	6.3	6.7	6.3	6.2
AFFINITY	5.3	5.7	6.0	7.0	85.0	5.7	5.7	6.3	6.3	6.3	6.3	6.7	6.3	6.2
APPLAUD (PENNINGTON-11301)	6.3	6.3	6.3	7.0	88.3	5.3	6.0	6.7	6.7	6.7	6.3	6.0	6.0	6.2
APR 1234	6.0	6.0	6.0	6.7	86.7	5.7	5.7	6.3	6.3	6.3	6.3	6.3	6.3	6.2
ASCEND	6.3	6.3	6.0	7.0	83.3	5.7	5.3	6.3	7.0	6.3	6.0	6.7	6.0	6.2
BLAZER IV (PICK MDR)	6.3	6.0	6.0	7.0	85.0	5.7	5.7	6.7	6.7	6.7	6.0	6.3	6.0	6.2
CABO (CIS-PR-80)	6.3	5.7	5.7	7.0	86.7	5.7	5.7	6.3	6.7	6.3	6.0	6.3	6.3	6.2
CAS-LP84	5.7	5.7	5.3	7.0	79.3	5.3	5.3	6.7	6.7	6.7	6.3	6.3	6.3	6.2
CHURCHILL	6.0	6.0	6.0	7.0	85.0	5.7	5.7	6.3	6.3	6.3	6.0	6.7	6.3	6.2
DAZZLE (ABT-99-4.724)	6.3	6.3	6.0	7.0	85.0	5.7	5.7	6.3	6.3	6.3	6.0	6.7	6.3	6.2
KOOS R-71	5.7	6.0	6.0	7.0	86.0	5.7	5.3	6.3	7.0	6.3	6.7	6.3	6.0	6.2
LTP-ME	5.7	6.0	6.3	7.0	83.3	5.7	5.3	6.3	6.3	6.3	6.7	6.7	6.3	6.2
MEPY	5.3	6.0	6.0	6.7	85.0	5.7	5.3	6.0	6.7	6.0	7.0	6.7	6.3	6.2
PALMER III	5.7	6.0	6.0	7.0	88.3	6.0	5.3	6.3	6.3	6.3	6.3	6.7	6.3	6.2
PICK EX2	5.3	6.0	5.3	6.7	85.0	5.3	5.7	6.7	6.7	6.7	6.0	6.3	6.3	6.2
PST-2RT	6.3	6.3	6.3	6.7	86.7	6.0	5.7	6.3	6.7	6.3	6.0	6.7	6.0	6.2
SPLENDID (MB 411)	5.7	5.7	6.0	6.7	85.0	5.7	5.3	6.3	6.7	6.3	6.3	6.7	6.0	6.2
SUMMERSET (MB 413)	5.3	6.0	6.0	6.3	86.7	5.7	5.3	6.3	6.7	6.3	6.3	6.7	6.0	6.2
SUPERSTAR (EP57)	6.0	5.7	5.7	7.0	81.7	5.7	5.3	6.3	6.3	6.0	6.7	6.3	6.7	6.2
ABT-99-4.115	6.0	7.0	6.3	6.3	86.7	5.7	5.3	6.3	6.7	6.3	6.0	6.3	6.3	6.1
ABT-99-4.464	6.0	6.3	6.3	6.7	86.7	5.7	5.7	6.3	6.3	6.3	6.3	6.3	6.0	6.1
BARLENNIUM	5.3	6.0	6.0	7.0	85.7	5.7	5.3	6.3	6.3	6.3	6.0	6.7	6.3	6.1
CHARGER II	5.3	6.0	6.0	6.7	85.0	5.7	5.7	6.3	6.3	6.3	6.0	6.3	6.3	6.1
MDP	5.0	5.7	5.7	7.0	82.7	5.7	5.7	6.0	6.3	6.3	6.0	6.7	6.0	6.1
PICK PRNGS	6.0	6.3	6.3	7.0	83.3	5.3	5.7	6.3	6.3	6.3	6.3	6.3	6.3	6.1
DP 17-9391	5.3	6.0	6.0	7.0	85.0	5.7	5.7	6.0	6.0	6.0	6.0	6.7	6.3	6.0
EP53	5.3	5.3	5.3	6.7	79.3	5.0	5.3	6.7	6.7	6.3	6.3	6.0	6.0	6.0
EXACTA	6.0	6.0	6.0	6.3	83.3	6.0	5.0	5.7	6.3	6.0	6.0	6.7	6.7	6.0
IQ (CIS-PR-75)	5.7	5.3	5.7	6.3	85.0	5.3	5.3	5.7	6.7	6.0	6.0	6.3	6.3	6.0
PARAGON	5.7	6.0	5.7	7.0	85.0	5.3	5.7	6.3	6.3	6.3	6.3	6.0	6.0	6.0
SEVILLE II	6.3	6.3	6.0	7.0	86.7	5.7	5.3	6.0	6.3	6.0	6.0	6.3	6.3	6.0
DP 17-9069	5.0	6.0	6.0	6.7	83.3	6.0	5.3	5.3	6.0	5.7	5.7	6.7	6.3	5.9
PICK PR B-97	6.0	6.3	6.3	6.7	86.7	6.0	5.0	6.0	5.7	5.7	5.7	6.7	6.7	5.9
PIZZAZZ	6.0	5.7	5.0	7.0	83.3	5.0	5.0	6.0	6.7	6.0	6.0	5.7	6.3	5.8
LPR 98-143	5.3	5.7	5.7	6.7	86.3	5.0	5.0	5.7	5.7	5.7	6.0	6.0	6.0	5.6
BUCCANEER	5.0	6.3	6.0	6.7	87.7	5.7	5.0	6.0	6.0	6.0	4.7	4.3	5.3	5.4
LINN	4.0	4.0	4.7	5.7	82.7	4.0	4.0	4.0	4.0	4.0	4.0	3.7	3.3	3.9
LSD VALUE	1.2	1.3	2.4	1.2	13.8	1.7	1.0	1.1	1.0	1.0	1.2	1.0	1.2	0.6
C.V. (%)	9.5	8.1	9.3	5.3	4.0	8.7	7.8	8.0	7.2	7.6	8.2	8.0	8.5	5.1

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 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/ 2003 DATA

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

NAME	GENETIC COLOR	PERCENT COVER		QUALITY RATINGS									MEAN
		FALL	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
EP53	6.0	96.0	3.3	5.7	7.0	6.3	6.3	5.7	6.3	6.7	6.3	6.0	
ABT-99-4.600	6.0	93.3	4.0	5.7	6.0	6.3	6.3	5.3	6.3	6.3	6.3	5.9	
MANHATTAN 4 (PST-2CRL)	6.0	95.0	4.0	5.3	7.0	5.7	6.7	5.0	6.7	6.3	6.3	5.9	
QUEST II (ABT-99-4.721)	6.0	95.0	4.0	5.7	6.3	6.0	6.0	4.7	6.7	6.7	6.7	5.9	
AFFIRMED	5.7	96.3	4.3	5.7	7.0	6.0	6.3	5.0	5.7	6.3	6.0	5.8	
BRIGHTSTAR SLT (PST-2A6B)	5.3	90.0	4.3	5.0	7.0	6.7	6.3	5.0	6.0	5.7	5.7	5.7	
LTP-ME	6.0	96.0	3.7	5.3	6.3	5.7	6.3	4.7	6.7	6.7	6.3	5.7	
SR 4220 (SRX 4801)	6.3	97.0	3.3	5.3	6.3	6.0	6.0	5.0	6.7	6.7	6.3	5.7	
SR 4500	5.3	96.0	3.7	5.3	7.0	5.7	5.7	5.0	6.3	6.7	6.3	5.7	
ABT-99-4.464	5.3	95.0	3.7	5.7	7.0	6.3	6.0	5.0	5.3	5.7	6.0	5.6	
ABT-99-4.815	5.3	91.7	4.0	5.3	6.0	5.7	6.0	5.0	6.0	6.0	6.0	5.6	
AMAZING (B1)	6.3	92.7	4.7	5.3	6.0	6.0	5.7	4.7	6.0	6.0	6.0	5.6	
ARRIVAL (CIS-PR-84)	6.0	91.7	3.7	5.3	6.7	6.0	6.0	5.0	6.0	6.0	6.0	5.6	
PEARL II (EPD)	4.7	96.0	4.0	4.7	6.3	6.0	5.7	5.0	6.3	6.3	6.0	5.6	
GATOR 3 (CIS-PR-85)	6.3	93.3	3.7	5.7	6.7	6.0	5.3	4.3	6.0	6.3	6.0	5.6	
ICON (MB 414)	5.3	93.3	3.3	5.0	6.3	6.0	6.0	5.0	6.0	6.3	6.0	5.6	
PACESETTER (6011)	6.0	95.0	3.7	5.3	6.7	6.0	5.7	4.7	6.0	6.0	6.0	5.6	
SR 4350 (APR 1237)	5.3	95.0	4.3	5.3	6.3	6.3	5.7	5.0	5.7	6.3	5.7	5.6	
TERRADYNE (A5C)	6.7	95.0	4.3	5.3	6.3	5.7	6.0	5.3	6.0	6.0	5.7	5.6	
ABT-99-4.115	5.7	96.0	4.3	5.0	6.3	6.0	5.7	4.3	6.0	6.0	6.0	5.5	
APR 1235	5.0	95.0	3.7	5.3	6.0	6.0	5.7	5.0	6.0	6.0	5.7	5.5	
MP88	6.3	95.0	3.3	6.0	6.3	6.0	5.7	4.7	6.0	6.0	5.7	5.5	
PST-2LA	5.7	95.0	4.3	5.3	6.0	5.7	6.0	4.7	5.7	6.0	5.7	5.5	
SUPERSTAR (EP57)	5.7	96.0	3.3	5.7	6.3	6.0	5.7	5.0	6.0	5.7	5.7	5.5	
WILMINGTON	6.0	95.0	4.0	5.0	6.3	5.7	5.0	4.7	6.3	6.3	6.0	5.5	
ASCEND	5.7	93.3	4.0	5.3	6.0	6.0	5.3	4.3	5.7	6.0	6.0	5.4	
BARLENNIUM	5.7	91.7	4.7	5.3	6.0	6.0	5.7	4.3	5.7	5.7	5.3	5.4	
BY-100	5.3	95.0	3.3	5.0	5.7	5.3	6.0	5.0	6.0	6.0	6.0	5.4	
CHURCHILL	5.7	96.0	4.0	5.0	6.3	6.0	5.3	4.7	6.3	6.0	5.3	5.4	
DP 17-9069	4.3	95.0	3.3	5.3	6.0	5.7	5.7	5.0	6.0	6.0	5.7	5.4	
DP LP-1	5.3	93.3	3.3	5.0	6.0	5.3	6.3	4.7	6.0	6.0	6.0	5.4	
EXACTA	5.7	93.3	3.3	5.0	6.3	5.7	6.3	4.7	5.7	6.0	6.0	5.4	
PARADIGM (APR 1236)	4.7	91.7	4.0	5.3	5.7	6.0	5.3	5.0	5.7	6.0	5.3	5.4	
PICK PR B-97	5.3	93.3	3.0	5.7	6.7	6.0	6.0	4.7	5.7	6.0	5.3	5.4	
LS 2100 (PST-2SBE)	5.7	93.3	4.3	5.0	6.0	5.7	5.3	4.7	5.7	6.0	5.7	5.4	
SALINAS (PST-2SLX)	5.7	94.3	4.3	5.3	6.3	5.3	5.3	4.3	5.7	5.7	6.0	5.4	
SEVILLE II	5.0	95.0	4.7	5.3	6.0	5.3	5.3	4.3	6.0	6.0	5.7	5.4	
ABT-99-4.339	5.7	96.0	3.7	5.3	6.3	6.0	5.7	4.7	5.3	5.7	5.3	5.3	
ADMIRE (JR-151)	5.7	91.7	3.7	5.3	5.7	6.0	5.7	4.3	5.7	5.7	5.3	5.3	
ALL STAR2 (CIS-PR-78)	6.0	95.0	4.0	4.7	5.7	5.7	5.3	4.3	6.0	6.0	6.0	5.3	
APR 1231	6.0	93.3	4.0	5.7	6.3	5.3	5.3	4.7	5.3	5.7	5.7	5.3	
CALYPSO II	5.0	94.7	3.7	5.7	5.7	5.0	5.7	5.0	5.7	5.7	5.7	5.3	
CAS-LP84	5.0	95.0	3.7	4.7	6.0	5.3	5.7	4.7	5.7	6.0	5.7	5.3	
CATHEDRAL II	6.0	94.3	4.0	5.0	6.0	5.0	5.3	4.7	6.0	6.0	6.0	5.3	
DIVINE	5.3	91.7	4.0	5.3	6.0	5.7	5.3	4.7	5.7	5.7	5.3	5.3	
GRAND SLAM 2L96 (PST-2L96)	5.7	95.0	3.7	5.3	7.0	6.0	6.0	4.3	5.0	5.3	5.0	5.3	
INSPIRE (R8000)	5.7	95.0	3.7	4.7	6.7	5.7	6.0	4.3	5.3	6.0	5.7	5.3	

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(COTN'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/
2003 DATA

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

NAME	GENETIC COLOR	PERCENT COVER										MEAN
		FALL	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
LINE DRIVE	4.7	96.0	4.3	5.0	6.3	5.3	5.3	4.7	5.7	5.3	6.0	5.3
PICK PR QH-97	6.0	95.0	4.0	5.0	6.3	5.7	5.7	4.7	5.3	5.7	5.3	5.3
PROMISE	6.0	91.7	3.7	4.7	6.3	5.7	5.7	4.3	5.7	5.7	5.7	5.3
PROWLER (APR 777)	5.7	93.3	3.3	4.7	5.7	5.7	5.3	5.0	6.0	6.3	5.7	5.3
PST-2JH	4.7	96.0	4.0	4.7	5.3	5.3	5.7	4.7	6.0	6.3	6.0	5.3
APR 1232	5.7	96.0	3.7	5.0	5.7	5.3	5.7	5.0	5.3	5.3	5.7	5.2
COURAGE (MB 410)	5.0	95.0	3.3	5.0	6.3	6.0	5.7	4.3	5.0	5.7	5.3	5.2
DLF-LDD	5.3	91.7	3.7	4.7	6.3	5.7	6.0	4.3	5.3	5.7	5.3	5.2
EDGE	4.7	95.0	3.3	5.3	5.3	5.7	5.3	4.3	5.7	6.0	5.7	5.2
GALLERY (MB 412)	5.3	91.7	3.0	4.7	6.3	5.3	5.3	4.7	5.7	6.0	6.0	5.2
MAJESTY	5.3	95.0	4.0	5.3	6.3	5.7	5.3	4.3	5.3	5.3	5.3	5.2
PICK PRNGS	5.0	94.3	4.0	5.3	5.7	5.3	5.3	4.3	5.7	5.7	5.3	5.2
PROSPORT (AG-P981)	5.7	91.7	4.3	4.7	5.7	5.7	5.3	4.7	5.7	5.7	5.3	5.2
PST-2CRR	5.7	91.7	3.0	5.0	5.7	5.3	5.7	4.7	6.0	6.0	5.7	5.2
PST-2M4	5.7	95.0	4.0	4.7	6.0	5.3	5.3	4.7	5.7	5.7	5.7	5.2
SRX 4120	5.0	97.0	4.0	4.7	6.0	5.3	5.3	4.7	5.7	5.7	5.3	5.2
ABT-99-4.560	5.0	93.3	4.0	4.7	5.7	5.0	4.7	4.3	5.7	5.7	6.0	5.1
APPLAUD (PENNINGTON-11301)	5.3	93.3	3.0	4.7	6.3	6.0	5.7	4.7	5.0	5.3	5.0	5.1
APR 776	5.7	93.3	3.7	5.3	6.0	5.3	5.3	4.0	5.3	5.3	5.3	5.1
BLAZER IV (PICK MDR)	6.0	95.3	3.3	5.3	6.3	5.7	5.3	4.3	5.3	5.3	5.3	5.1
CABO (CIS-PR-80)	5.7	91.7	3.7	5.0	5.7	5.3	5.0	4.3	5.7	6.0	5.7	5.1
CATALINA II (PST-CATS)	6.0	92.7	4.3	5.0	5.3	5.0	5.3	4.3	5.7	5.7	5.7	5.1
CHARGER II	5.0	96.0	3.7	5.0	6.0	4.7	5.3	4.3	5.7	5.7	5.7	5.1
CITATION FORE (PST-2BR)	5.7	92.7	3.3	4.7	6.3	5.3	5.3	4.7	5.3	5.7	5.7	5.1
CRUISER (ABT-99-4.709)	5.7	95.0	4.0	4.7	5.3	5.0	5.0	4.7	5.7	5.7	5.7	5.1
EXTREME (JR-317)	5.3	94.3	3.7	4.3	5.7	5.0	5.3	4.7	5.7	5.7	5.7	5.1
MONTEREY II (JR-187)	5.0	93.3	3.7	4.7	6.3	5.0	5.7	4.3	5.3	5.7	5.7	5.1
NEXUS	5.3	91.7	3.7	4.3	6.0	5.7	4.7	4.3	5.7	5.7	5.7	5.1
PALMER III	4.7	95.0	3.7	4.7	5.7	5.0	5.0	4.7	5.7	6.0	6.0	5.1
PANTHER	5.7	93.3	3.3	5.0	6.3	5.3	5.0	4.7	5.7	5.7	5.3	5.1
PHANTOM	6.0	91.7	3.7	5.3	5.7	5.0	5.0	4.3	5.7	6.0	5.7	5.1
PLEASURE XL	5.7	95.0	3.3	4.7	5.7	5.3	4.7	4.7	6.0	5.7	5.7	5.1
PREMIER	5.0	95.3	3.7	4.7	6.0	5.7	5.3	4.7	5.3	5.3	5.3	5.1
SUMMERSET (MB 413)	6.0	93.3	3.0	5.7	5.7	5.7	5.0	4.3	5.0	5.7	5.7	5.1
ALLSPORT	4.7	94.3	3.0	5.0	5.3	5.3	5.7	4.3	5.3	5.7	5.7	5.0
APR 1234	4.7	92.7	3.7	4.3	5.3	5.3	5.7	4.7	5.7	5.3	5.3	5.0
BRIGHTSTAR II	5.3	93.3	4.0	5.0	6.0	5.7	5.0	4.0	4.7	5.7	5.3	5.0
CATALINA	5.7	95.0	4.0	5.3	5.7	5.3	5.7	4.3	4.7	5.0	5.0	5.0
HAWKEYE (SRX 4RHT)	6.0	93.3	3.7	4.7	5.3	5.3	5.0	4.3	5.7	5.7	5.7	5.0
MACH 1 (ROBERTS-627)	5.3	95.0	4.3	4.7	6.0	5.7	5.0	4.3	5.0	5.0	5.0	5.0
PINNACLE II (BAR 9 B2)	5.7	93.3	4.0	5.0	5.7	5.3	5.3	4.3	4.7	5.3	5.0	5.0
PIZZAZZ	6.3	91.0	3.7	4.7	5.7	5.7	5.0	4.3	5.3	5.7	5.3	5.0
PREMIER II	5.0	94.3	4.0	5.3	5.7	5.7	5.0	4.0	5.0	5.0	5.0	5.0
SPLendid (MB 411)	5.3	95.0	3.0	5.0	6.0	5.3	5.7	4.3	5.3	5.3	5.3	5.0
SUNKISSED (ABT-99-4.834)	6.0	93.3	4.3	5.0	5.3	5.0	5.0	4.0	5.0	5.7	5.7	5.0
WVPB-R-84	5.0	95.0	3.7	5.3	5.3	5.3	4.3	4.0	5.7	5.7	5.7	5.0
AFFINITY	4.7	94.3	4.0	5.0	5.3	4.7	5.0	4.0	5.0	5.3	5.3	4.9

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/
2003 DATA

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

NAME	GENETIC COLOR	PERCENT COVER										MEAN
		FALL	MAR	APR	MAY	QUALITY RATINGS						
						JUN	JUL	AUG	SEP	OCT	NOV	
CHARISMATIC (LTP 98-501)	5.3	93.3	3.3	4.3	5.0	5.0	4.7	4.3	5.7	6.0	6.0	4.9
FIESTA 3	4.7	96.0	4.0	4.7	5.7	5.3	4.7	4.3	4.7	5.3	5.3	4.9
IQ (CIS-PR-75)	6.0	95.0	4.0	5.0	5.0	5.0	5.0	4.3	5.3	5.3	5.3	4.9
LPR 98-143	4.3	93.3	4.0	5.0	5.0	5.0	4.7	4.7	5.3	5.3	5.3	4.9
LPR 98-144	4.7	88.3	3.3	4.3	5.0	4.7	5.0	4.7	5.7	5.7	5.7	4.9
MANHATTAN 3	5.3	93.3	3.7	4.7	5.7	5.3	5.3	4.7	5.0	5.0	5.0	4.9
PENNANT II	6.0	93.3	4.0	4.7	5.0	4.7	5.0	4.3	5.3	5.3	5.3	4.9
PENTIUM (NJ-6401)	5.3	95.0	4.0	5.3	5.7	5.0	4.7	4.0	5.0	5.3	5.3	4.9
PST-2RT	5.0	95.0	4.0	5.0	6.3	5.7	5.0	4.0	4.0	5.0	5.0	4.9
RACER II (PICK RC2)	5.7	95.0	3.3	5.7	5.7	5.0	4.7	4.0	5.0	5.3	5.3	4.9
RADIANT	5.7	93.3	3.3	5.0	6.0	5.3	5.3	4.3	4.7	4.7	5.0	4.9
DP 17-9391	4.0	94.3	4.0	5.0	5.7	5.7	5.0	3.7	4.7	4.7	5.0	4.8
DP 17-9496	4.7	93.3	4.3	4.7	4.3	4.3	5.0	4.3	5.3	5.3	5.3	4.8
JR-128	4.7	96.0	3.7	5.0	5.7	4.7	5.3	4.3	4.7	5.3	4.7	4.8
KOKOMO (CIS-PR-69)	4.7	95.0	3.0	4.7	5.3	5.3	4.7	4.0	5.3	5.3	5.3	4.8
KOOS R-71	4.7	92.7	3.3	4.7	4.7	5.0	5.3	4.3	5.3	5.3	5.3	4.8
MEPY	6.0	95.0	3.0	5.0	5.3	5.3	5.3	4.7	4.7	5.0	5.0	4.8
PARAGON	5.3	91.7	3.7	4.3	5.3	5.0	4.7	4.0	5.3	5.3	5.3	4.8
PICK EX2	5.0	95.0	3.7	5.3	5.3	4.7	5.0	4.7	4.7	5.0	5.0	4.8
SR 4420 (SRX 4820)	5.7	91.7	3.7	4.7	5.7	5.3	4.7	4.3	5.0	5.0	5.0	4.8
ABT-99-4.965	6.3	93.3	3.7	4.7	5.3	4.7	4.3	4.0	5.3	5.0	5.3	4.7
ELFKIN	4.7	95.0	4.0	4.3	5.0	5.3	4.3	3.7	5.3	5.7	5.0	4.7
HEADSTART	5.0	91.7	4.0	4.3	4.7	4.3	4.7	4.0	5.7	5.3	5.3	4.7
JET	5.3	91.7	3.7	4.7	5.7	5.3	4.7	4.0	4.7	4.7	4.7	4.7
MDP	5.3	95.0	4.0	4.7	5.3	5.0	4.7	4.3	4.7	4.7	5.0	4.7
MP103	5.7	93.3	3.3	5.3	5.3	5.0	4.7	4.0	5.0	5.0	4.7	4.7
MP107	5.0	93.3	3.3	5.0	5.3	5.3	4.7	4.0	4.7	5.0	5.0	4.7
PROTYME (ABT-99-4.625)	5.7	90.0	3.7	5.0	5.7	4.7	5.0	3.7	5.0	5.0	5.0	4.7
RACER	4.7	96.0	3.3	5.0	5.0	4.3	5.0	4.3	4.7	5.3	5.0	4.7
RENAISSANCE (APR 1233)	5.0	88.3	3.3	4.7	5.0	5.0	5.3	4.7	4.7	5.0	5.0	4.7
SKYHAWK	5.3	90.0	4.0	4.7	5.0	5.0	4.7	4.0	4.7	5.0	5.0	4.7
DAZZLE (ABT-99-4.724)	5.3	95.0	4.3	4.3	5.0	4.7	4.3	4.3	4.7	4.7	4.7	4.6
STELLAR (CIS-PR-72)	5.3	95.0	4.0	4.3	4.3	4.7	4.3	4.0	5.3	5.0	5.0	4.6
BUCCANEER	4.3	93.3	4.0	4.0	5.3	4.7	5.0	3.7	4.7	4.7	4.3	4.5
PR 1-94 (PICK PR 1-94)	4.3	93.3	3.7	4.0	5.0	4.3	4.7	4.3	4.7	5.0	4.7	4.5
SECRETARIAT	5.3	88.3	3.0	4.3	5.3	5.0	4.7	3.7	4.7	5.0	5.0	4.5
YATSUGREEN	4.3	91.7	3.3	4.7	4.7	4.7	4.7	4.0	4.7	4.7	4.7	4.4
WVPB-R-82	4.7	90.0	3.3	4.0	4.3	4.0	4.0	4.0	5.0	5.0	5.0	4.3
PASSPORT	5.0	93.3	3.7	4.7	4.0	4.0	4.3	3.7	4.3	4.7	4.7	4.2
LINN	3.3	93.3	4.0	3.7	2.7	3.0	3.3	3.0	3.3	3.7	3.7	3.4
LSD VALUE	1.7	14.0	2.7	6.0	1.6	1.5	2.8	2.5	2.4	1.9	1.8	1.1
C.V. (%)	14.0	3.3	17.6	17.7	14.0	13.2	16.2	14.5	15.4	13.1	12.2	9.7

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 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2003 DATA

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

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
PIZZAZZ	8.0	9.0	9.0	9.0	7.3	7.7	7.7	7.7	8.3	7.7	6.3	7.5
GALLERY (MB 412)	7.3	9.0	9.0	9.0	7.7	8.0	8.0	6.7	7.7	7.3	6.3	7.4
SUNKISSED (ABT-99-4.834)	8.7	8.7	8.7	9.0	7.3	7.7	7.3	6.7	8.0	6.7	7.7	7.3
HAWKEYE (SRX 4RHT)	8.0	9.0	9.0	8.7	7.7	8.0	7.7	7.3	7.0	6.3	6.3	7.2
SPLENDID (MB 411)	7.0	9.0	9.0	9.0	7.3	7.3	7.7	6.7	7.3	7.3	6.7	7.2
PINNACLE II (BAR 9 B2)	8.0	8.3	8.7	9.0	7.0	7.3	8.0	7.3	7.7	6.7	5.7	7.1
SEVILLE II	7.7	9.0	9.0	9.0	7.0	8.0	7.7	7.0	8.0	6.0	6.0	7.1
SR 4220 (SRX 4801)	8.3	9.0	9.0	9.0	7.3	7.7	8.0	6.7	7.3	6.7	6.3	7.1
AMAZING (B1)	8.3	9.0	8.7	9.0	6.7	7.3	7.7	6.7	7.7	7.0	6.0	7.0
ARRIVAL (CIS-PR-84)	8.7	9.0	8.7	9.0	6.7	7.7	7.3	7.0	7.3	7.0	5.7	7.0
KOKOMO (CIS-PR-69)	8.0	9.0	9.0	9.0	6.0	7.0	7.7	5.7	8.0	8.7	6.0	7.0
LPR 98-144	6.7	9.0	8.7	9.0	7.3	8.0	7.7	6.0	7.0	7.0	6.0	7.0
PICK PR QH-97	8.0	9.0	9.0	9.0	6.7	7.3	7.7	7.3	6.7	6.3	6.7	7.0
QUEST II (ABT-99-4.721)	8.0	9.0	9.0	9.0	6.7	6.7	7.3	6.7	8.0	7.3	6.3	7.0
SR 4420 (SRX 4820)	7.7	9.0	9.0	9.0	7.0	7.3	7.7	6.3	6.7	7.3	6.7	7.0
SUMMERSET (MB 413)	7.7	9.0	9.0	9.0	7.0	7.3	7.3	6.7	7.3	7.0	6.7	7.0
ABT-99-4.815	7.0	9.0	9.0	9.0	6.7	7.3	7.3	5.7	7.0	7.0	7.0	6.9
CHARISMATIC (LTP 98-501)	8.0	9.0	9.0	9.0	6.3	7.0	7.3	7.0	7.3	7.3	6.0	6.9
COURAGE (MB 410)	7.0	9.0	9.0	9.0	6.3	7.0	7.3	6.3	7.3	7.3	6.3	6.9
PARAGON	7.7	9.0	8.7	9.0	6.7	7.0	7.3	6.3	7.7	7.0	6.3	6.9
ABT-99-4.464	6.7	9.0	9.0	9.0	6.3	7.3	7.3	6.3	7.0	7.3	6.0	6.8
BLAZER IV (PICK MDR)	8.0	9.0	9.0	9.0	6.3	6.7	6.7	6.7	8.0	7.0	6.0	6.8
GATOR 3 (CIS-PR-85)	8.0	9.0	9.0	9.0	6.3	6.7	6.7	6.3	7.7	7.0	6.7	6.8
INSPIRE (R8000)	7.3	9.0	9.0	9.0	6.3	6.7	6.3	6.3	7.3	7.7	6.7	6.8
PICK PR B-97	7.7	9.0	9.0	9.0	6.7	7.0	7.0	7.0	7.0	6.3	6.7	6.8
PROMISE	7.0	9.0	9.0	9.0	6.7	7.7	7.3	6.7	7.0	6.3	6.0	6.8
SR 4350 (APR 1237)	7.0	9.0	9.0	9.0	6.3	7.0	7.7	6.7	7.7	6.3	6.0	6.8
ALL STAR2 (CIS-PR-78)	8.7	8.3	8.3	9.0	6.7	7.0	7.3	6.3	7.7	6.3	5.3	6.7
ASCEND	7.7	9.0	8.3	9.0	6.3	7.0	7.3	6.3	7.0	7.3	5.3	6.7
CAS-LP84	7.0	8.7	8.7	8.7	7.0	7.3	7.0	6.7	6.0	6.7	6.3	6.7
FIESTA 3	7.3	8.3	8.7	8.0	7.0	7.7	7.0	5.7	7.7	6.0	5.7	6.7
PALMER III	7.3	9.0	9.0	9.0	6.7	7.3	7.3	6.3	7.0	6.7	5.3	6.7
CATHEDRAL II	6.7	9.0	9.0	9.0	7.0	7.0	7.0	6.0	6.7	6.3	6.3	6.6
DAZZLE (ABT-99-4.724)	8.0	9.0	9.0	9.0	6.3	6.3	6.7	6.0	7.3	7.0	6.3	6.6
EXTREME (JR-317)	6.7	8.7	8.7	9.0	6.7	7.0	7.0	6.3	7.0	6.0	6.0	6.6
IQ (CIS-PR-75)	7.3	9.0	9.0	9.0	6.3	6.7	7.3	6.7	6.3	7.0	6.0	6.6
PR 1-94 (PICK PR 1-94)	8.0	9.0	9.0	8.7	6.3	7.0	7.0	6.7	7.0	6.3	6.0	6.6
TERRADYNE (A5C)	8.0	9.0	9.0	9.0	6.7	7.0	7.3	6.0	7.0	6.0	6.3	6.6
APR 1231	6.7	9.0	9.0	9.0	6.3	7.0	7.0	6.3	6.0	6.3	6.7	6.5
CITATION FORE (PST-2BR)	7.7	9.0	9.0	9.0	6.0	6.7	6.7	6.3	7.0	6.3	6.3	6.5
HEADSTART	7.0	9.0	8.7	8.3	7.0	7.0	7.0	6.3	6.0	5.7	6.3	6.5
ICON (MB 414)	7.3	8.7	8.7	9.0	5.7	6.3	6.3	6.3	6.7	7.7	6.3	6.5
MACH 1 (ROBERTS-627)	8.3	8.7	7.7	9.0	6.0	6.7	7.0	5.3	6.7	7.3	6.7	6.5
PLEASURE XL	7.3	9.0	9.0	9.0	6.0	7.0	7.7	6.3	6.7	6.0	5.7	6.5
PREMIER II	7.3	9.0	8.7	9.0	6.7	6.7	7.0	6.0	7.0	6.7	5.7	6.5
SR 4500	7.0	9.0	9.0	8.7	6.0	6.7	6.3	6.3	7.0	6.7	6.3	6.5
ADMIRE (JR-151)	7.0	9.0	8.7	9.0	6.0	6.3	7.0	6.0	6.7	6.7	6.0	6.4

TABLE 12. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2003 DATA

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

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
ELFKIN	7.0	8.0	8.3	8.3	5.7	6.3	6.3	6.3	7.0	6.3	6.7	6.4
LPR 98-143	7.0	9.0	8.7	9.0	6.3	6.7	6.3	6.0	6.7	6.3	6.3	6.4
PASSPORT	6.3	9.0	9.0	9.0	7.0	6.3	6.7	6.3	6.7	5.7	6.0	6.4
PST-2CRR	8.0	9.0	9.0	9.0	6.3	6.7	6.7	6.3	6.3	7.3	5.0	6.4
RADIANT	8.7	9.0	9.0	9.0	5.7	6.0	6.7	6.0	7.7	6.7	6.3	6.4
ABT-99-4.115	7.0	9.0	9.0	9.0	6.0	6.3	6.3	6.0	6.3	7.0	6.3	6.3
APPLAUD (PENNINGTON-11301)	7.3	9.0	9.0	9.0	5.3	6.3	6.3	5.7	7.0	7.3	6.3	6.3
CABO (CIS-PR-80)	8.7	9.0	8.7	9.0	6.0	6.3	7.0	6.0	6.7	6.3	6.0	6.3
CALYPSO II	6.7	8.7	8.7	8.3	6.7	6.7	6.3	6.0	7.0	6.3	5.3	6.3
CHURCHILL	8.0	9.0	8.3	9.0	6.0	6.0	6.0	6.3	7.7	6.7	5.3	6.3
DIVINE	7.0	9.0	9.0	9.0	6.3	6.3	7.0	5.7	6.7	6.3	6.0	6.3
GRAND SLAM 2L96 (PST-2L96)	7.3	9.0	9.0	8.7	5.3	5.7	6.7	6.0	7.7	7.0	5.7	6.3
JR-128	6.7	9.0	8.3	9.0	6.0	6.0	6.3	6.0	7.0	6.0	6.7	6.3
MAJESTY	7.3	9.0	9.0	9.0	6.0	6.0	6.7	6.0	7.3	6.0	6.3	6.3
PANTHER	6.3	9.0	9.0	8.7	5.7	6.3	6.0	6.0	7.7	6.0	6.3	6.3
PARADIGM (APR 1236)	7.0	9.0	8.7	9.0	5.7	6.7	7.0	5.7	6.7	6.3	6.3	6.3
PENNANT II	8.0	9.0	9.0	9.0	6.3	6.7	6.7	6.0	6.7	5.7	6.0	6.3
RACER II (PICK RC2)	7.3	9.0	8.3	9.0	6.0	6.7	7.0	5.3	7.0	6.3	6.0	6.3
APR 776	6.7	8.7	8.7	9.0	5.3	6.3	6.3	5.3	6.7	6.7	7.0	6.2
EXACTA	7.3	8.3	8.7	9.0	6.0	6.3	6.3	6.3	7.3	5.7	5.3	6.2
MEPY	7.3	9.0	9.0	9.0	6.0	6.7	6.7	6.0	7.0	5.7	5.7	6.2
MONTEREY II (JR-187)	6.7	9.0	9.0	9.0	5.7	6.0	6.7	6.0	7.0	5.7	6.3	6.2
MP103	7.3	9.0	9.0	9.0	5.3	6.3	6.7	5.7	7.0	5.7	6.7	6.2
MP88	7.7	8.3	8.3	8.3	5.7	6.0	6.7	5.7	7.3	6.0	6.0	6.2
PICK EX2	6.0	9.0	8.7	9.0	6.3	6.3	6.7	5.3	6.7	5.3	7.0	6.2
STELLAR (CIS-PR-72)	8.0	8.7	8.7	9.0	6.0	6.0	6.3	6.0	7.3	6.3	5.7	6.2
ABT-99-4.339	6.7	8.7	8.7	9.0	6.0	6.3	6.3	6.0	6.3	6.7	5.3	6.1
ABT-99-4.560	7.3	9.0	9.0	9.0	6.0	6.3	6.3	6.3	6.7	5.7	5.7	6.1
CHARGER II	7.0	9.0	9.0	9.0	5.7	6.3	6.3	6.3	6.3	6.3	5.3	6.1
MANHATTAN 4 (PST-2CRL)	7.7	8.3	8.3	8.7	5.3	6.3	6.3	6.0	6.0	7.3	5.3	6.1
MDP	8.0	8.7	8.7	8.7	6.0	6.0	6.3	5.7	6.3	6.3	6.0	6.1
MP107	7.7	8.7	8.7	8.7	5.7	6.3	6.7	5.7	6.7	6.0	6.0	6.1
PENTIUM (NJ-6401)	7.7	9.0	9.0	9.0	5.0	6.0	6.7	5.7	6.7	6.3	6.3	6.1
AFFINITY	6.3	9.0	9.0	9.0	5.7	6.3	7.0	5.7	6.3	5.7	5.0	6.0
AFFIRMED	7.0	8.7	8.7	9.0	5.3	6.0	6.7	5.0	6.7	6.3	5.7	6.0
BRIGHTSTAR SLT (PST-2A6B)	8.3	8.7	8.7	8.7	6.0	6.0	6.0	6.0	6.0	6.3	5.7	6.0
JET	8.0	9.0	9.0	9.0	6.0	6.3	6.7	5.3	6.7	6.0	5.3	6.0
PST-2RT	6.7	9.0	9.0	9.0	5.7	6.3	6.3	6.0	6.3	6.0	5.0	6.0
SECRETARIAT	6.7	9.0	9.0	9.0	6.3	6.3	6.3	5.3	6.0	6.0	5.7	6.0
WILMINGTON	8.0	9.0	9.0	9.0	5.7	6.3	6.7	6.7	6.0	5.3	5.7	6.0
ABT-99-4.600	7.0	9.0	9.0	9.0	5.3	5.3	6.0	5.7	6.7	6.0	6.0	5.9
ABT-99-4.965	8.0	9.0	9.0	9.0	5.0	6.0	6.3	5.3	6.3	6.7	5.7	5.9
ALLSPORT	7.0	9.0	9.0	9.0	6.0	6.0	6.0	6.0	6.3	5.7	5.0	5.9
APR 1235	7.0	9.0	8.7	9.0	5.7	5.7	6.0	6.0	6.0	6.0	5.7	5.9
BARLENNIUM	7.3	9.0	8.7	9.0	5.3	6.0	6.0	5.3	6.7	6.3	5.7	5.9
PEARL II (EPD)	7.7	9.0	9.0	9.0	5.7	5.7	6.0	5.7	6.0	6.0	6.0	5.9
PICK PRNGS	7.0	9.0	9.0	9.0	5.0	6.0	6.0	5.7	6.7	6.0	6.0	5.9

TABLE 12. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/ 2003 DATA

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

NAME	GENETIC COLOR	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	QUALITY RATINGS							
					APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PROSPORT (AG-P981)	6.7	8.7	8.7	8.7	5.7	6.0	6.3	6.3	5.3	5.7	6.0	5.9
CRUISER (ABT-99-4.709)	7.7	9.0	9.0	9.0	4.3	5.7	5.7	6.3	6.0	6.7	6.0	5.8
DLF-LDD	7.3	9.0	8.7	9.0	4.7	5.7	5.7	5.0	6.3	7.0	6.0	5.8
DP LP-1	6.7	8.7	8.7	8.7	5.7	6.3	6.3	5.0	6.3	5.3	5.7	5.8
PST-2M4	7.3	8.7	8.7	8.7	5.0	5.7	6.0	6.0	6.7	6.0	5.3	5.8
APR 1232	6.0	9.0	9.0	9.0	5.3	6.0	5.7	5.3	5.7	5.7	6.3	5.7
BRIGHTSTAR II	8.0	9.0	9.0	9.0	4.7	5.7	6.0	6.0	5.7	6.3	5.7	5.7
LINE DRIVE	7.0	9.0	9.0	9.0	4.7	5.3	6.3	6.0	6.0	5.7	5.7	5.7
LTP-ME	7.7	9.0	9.0	9.0	5.7	5.7	5.7	6.7	6.0	6.0	4.3	5.7
PACESETTER (6011)	7.0	9.0	9.0	9.0	4.7	5.3	6.0	6.3	5.7	6.0	6.0	5.7
PST-2JH	7.0	9.0	9.0	9.0	5.0	5.3	6.0	5.3	6.3	6.3	5.7	5.7
BY-100	6.0	9.0	9.0	9.0	5.0	5.7	6.0	5.3	6.7	5.3	5.3	5.6
KOOS R-71	6.7	9.0	9.0	9.0	5.0	5.0	6.3	6.3	5.7	5.0	6.0	5.6
PROWLER (APR 777)	7.0	9.0	9.0	9.0	5.3	5.7	5.3	5.3	5.7	6.3	5.7	5.6
RACER	7.0	8.7	8.3	8.0	5.3	5.3	5.7	5.0	7.0	5.7	5.0	5.6
CATALINA	7.0	8.7	8.7	9.0	5.3	5.7	5.3	5.3	5.3	5.3	6.0	5.5
CATALINA II (PST-CATS)	7.0	9.0	9.0	9.0	4.0	5.0	5.3	5.7	6.7	6.7	5.3	5.5
NEXUS	8.0	9.0	9.0	9.0	4.3	5.3	5.7	5.7	6.3	5.7	5.7	5.5
PST-2LA	7.3	8.3	8.3	9.0	4.7	5.0	5.3	5.3	6.3	6.3	5.7	5.5
LS 2100 (PST-2SBE)	7.3	8.7	9.0	9.0	4.7	5.3	5.7	5.3	6.7	5.3	5.3	5.5
RENAISSANCE (APR 1233)	7.3	8.7	8.3	9.0	4.0	5.0	6.0	5.3	6.0	6.3	6.0	5.5
SALINAS (PST-2SLX)	7.0	9.0	9.0	9.0	5.3	5.0	5.3	5.0	6.3	6.0	5.3	5.5
SKYHAWK	7.3	8.7	8.7	8.7	4.7	5.0	5.7	5.3	6.3	5.7	6.0	5.5
EP53	7.0	8.7	9.0	8.7	5.0	5.3	5.7	5.0	6.0	5.3	5.7	5.4
PHANTOM	7.3	9.0	9.0	9.0	5.0	5.7	5.7	5.3	6.0	5.3	5.0	5.4
SUPERSTAR (EP57)	7.7	8.3	8.3	8.3	5.0	5.7	6.0	5.0	6.3	4.3	5.3	5.4
WVPB-R-82	6.7	9.0	8.3	9.0	4.7	5.3	5.7	5.7	6.0	5.0	5.3	5.4
WVPB-R-84	6.7	9.0	8.3	9.0	4.3	5.0	6.0	5.0	6.7	5.3	5.7	5.4
EDGE	6.0	8.3	8.0	9.0	5.0	5.3	5.3	5.3	5.7	5.3	5.3	5.3
PREMIER	7.0	8.3	8.0	9.0	5.0	5.3	5.7	5.0	6.0	5.3	5.0	5.3
PROTYME (ABT-99-4.625)	7.3	9.0	9.0	9.0	5.0	5.3	5.3	5.3	6.0	5.3	5.0	5.3
APR 1234	6.7	8.0	8.0	9.0	5.0	5.7	5.3	5.3	5.0	5.3	4.7	5.2
MANHATTAN 3	6.7	8.7	8.3	9.0	4.3	5.0	5.3	5.3	6.0	5.7	5.0	5.2
DP 17-9069	5.7	8.0	8.3	8.0	4.0	4.7	5.3	4.7	6.0	5.0	5.3	5.0
SRX 4120	6.0	9.0	9.0	9.0	4.3	4.7	4.7	5.3	5.7	4.7	5.3	5.0
DP 17-9391	6.0	8.3	8.7	8.7	4.0	4.7	4.3	4.0	6.3	6.0	4.3	4.8
YATSUGREEN	5.7	9.0	8.7	9.0	3.7	4.3	4.0	4.7	5.7	5.3	5.0	4.7
BUCCANEER	5.7	8.3	8.3	8.0	4.0	4.3	4.3	4.7	5.0	5.3	4.7	4.6
DP 17-9496	5.7	8.3	8.3	8.3	3.0	2.7	2.7	3.3	4.0	3.7	3.7	3.3
LINN	4.7	6.7	5.7	5.0	1.0	1.0	1.0	1.0	1.3	2.0	1.7	1.3
LSD VALUE	0.8	0.5	0.8	0.5	0.9	0.9	0.9	1.6	1.5	1.5	1.1	0.7
C.V. (%)	7.3	3.4	5.0	3.3	10.1	9.4	9.4	14.8	13.1	13.9	11.5	7.4

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

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

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT NEW BRUNSWICK, NJ 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY FALL	RED THREAD	GRAY LEAF SPOT	QUALITY RATINGS							MEAN
							APR	MAY	JUN	JUL	AUG	SEP	OCT	
ALL STAR2 (CIS-PR-78)	7.0	4.0	5.3	5.7	8.3	5.7	4.3	6.0	6.7	7.0	7.0	7.0	4.0	6.0
CITATION FORE (PST-2BR)	6.7	5.0	7.3	7.0	8.7	8.0	5.0	5.0	6.3	6.0	5.7	7.0	6.7	6.0
PIZZAZZ	7.3	3.7	7.0	6.3	8.7	5.7	4.7	6.0	6.3	7.0	7.0	6.7	4.3	6.0
SR 4500	5.0	3.0	6.3	7.0	8.0	8.3	4.0	4.7	5.0	7.0	7.7	8.7	5.3	6.0
EXACTA	6.0	3.3	6.3	6.7	8.3	6.3	4.7	5.3	6.0	6.0	6.3	8.3	4.7	5.9
GATOR 3 (CIS-PR-85)	6.3	3.0	7.3	7.0	8.3	6.3	4.3	4.7	6.0	6.3	6.0	7.7	5.7	5.8
PENTIUM (NJ-6401)	5.0	4.7	6.0	5.3	8.7	5.7	4.3	4.7	5.3	7.0	7.0	8.0	4.0	5.8
GRAND SLAM 2L96 (PST-2L96)	4.7	3.7	6.3	5.7	9.0	6.0	4.3	5.7	6.3	6.0	6.3	6.7	4.3	5.7
SR 4420 (SRX 4820)	7.0	3.7	6.3	6.0	8.3	6.0	4.7	5.7	5.7	6.3	6.3	6.7	4.3	5.7
SR 4220 (SRX 4801)	6.7	3.0	7.0	6.3	9.0	8.0	4.3	5.0	5.7	5.7	6.0	7.0	5.3	5.6
TERRADYNE (A5C)	7.3	3.7	6.3	5.0	8.0	6.0	5.0	6.0	6.3	6.3	5.3	6.3	3.7	5.6
INSPIRE (R8000)	5.0	3.3	6.7	5.3	8.3	5.7	4.0	5.0	5.0	6.3	6.0	6.7	5.3	5.5
NEXUS	7.7	3.7	6.7	5.7	8.0	5.3	5.0	5.3	6.7	6.0	6.0	5.7	4.0	5.5
PINNACLE II (BAR 9 B2)	6.7	2.0	6.0	6.7	7.3	6.7	4.0	4.7	6.3	6.0	5.7	7.3	4.3	5.5
SEVILLE II	5.7	4.7	6.0	6.3	7.7	7.3	4.7	4.7	6.0	6.0	6.0	6.0	5.3	5.5
BARLENNIUM	6.0	5.0	6.7	6.0	8.0	6.7	5.3	4.0	5.7	5.7	6.0	6.3	5.0	5.4
BRIGHTSTAR SLT (PST-2A6B)	6.0	4.7	7.0	6.0	9.0	5.3	5.0	5.7	6.0	5.3	5.7	7.0	3.3	5.4
HAWKEYE (SRX 4RHT)	6.0	3.3	6.0	4.3	9.0	4.3	4.7	5.0	6.7	6.3	6.3	5.7	3.0	5.4
LTP-ME	5.3	3.3	6.0	4.7	8.3	4.7	4.3	5.3	6.0	6.3	6.7	6.0	3.3	5.4
ABT-99-4.560	7.0	2.7	7.0	7.3	9.0	8.0	3.7	5.3	5.0	5.3	5.0	6.0	6.7	5.3
APPLAUD (PENNINGTON-11301)	6.0	3.0	4.7	5.7	8.7	5.0	3.3	4.3	5.7	6.3	6.3	7.3	3.7	5.3
ELFKIN	4.3	3.7	6.3	6.3	9.0	6.7	4.3	4.7	5.3	6.0	6.3	6.7	4.0	5.3
GALLERY (MB 412)	7.0	2.3	5.3	5.0	8.7	5.3	4.0	5.3	7.0	5.7	6.3	5.7	3.3	5.3
JET	5.7	3.7	5.3	5.0	8.3	5.7	4.3	4.7	5.7	6.7	6.3	6.0	3.7	5.3
MP88	6.0	4.0	6.3	5.7	8.3	6.7	5.0	4.3	6.0	5.0	5.7	5.3	5.7	5.3
SUNKISSED (ABT-99-4.834)	7.7	3.0	5.7	5.7	8.0	6.0	4.3	4.3	6.0	5.3	5.7	6.7	5.0	5.3
WILMINGTON	7.7	3.7	6.0	6.3	8.7	7.0	6.3	5.3	6.7	5.0	4.3	4.7	5.0	5.3
ABT-99-4.965	7.3	3.3	5.7	5.0	8.7	5.7	4.7	5.0	5.7	5.3	5.7	6.0	4.3	5.2
AFFIRMED	3.7	3.7	5.3	5.0	8.3	5.0	4.3	5.0	5.0	6.0	6.3	6.3	3.7	5.2
ASCEND	5.0	4.0	5.0	5.7	7.7	7.3	5.0	3.7	5.0	5.3	5.7	6.0	5.7	5.2
CHARISMATIC (LTP 98-501)	6.7	3.7	6.0	5.7	8.3	6.7	3.7	5.0	5.7	5.7	5.7	6.3	4.3	5.2
FIESTA 3	5.0	3.3	6.0	6.0	8.0	5.3	4.0	4.3	5.7	6.0	6.7	6.0	3.7	5.2
ICON (MB 414)	5.3	2.3	6.0	4.7	8.0	5.3	4.7	4.7	6.3	5.7	5.7	5.7	4.0	5.2
PACESETTER (6011)	5.0	3.3	5.7	6.7	8.7	6.7	3.7	4.3	6.0	6.0	6.0	6.3	4.0	5.2
QUEST II (ABT-99-4.721)	5.3	3.0	5.3	5.3	9.0	5.0	4.3	4.7	6.0	5.7	5.7	6.0	4.0	5.2
AMAZING (B1)	8.3	2.7	6.0	6.0	7.7	7.0	4.3	4.7	6.0	5.3	5.0	6.0	4.3	5.1
BRIGHTSTAR II	5.7	3.7	5.7	5.3	7.3	5.7	4.7	5.0	5.3	5.0	5.3	6.3	4.0	5.1
CHURCHILL	7.0	3.0	6.0	5.3	7.3	6.0	4.0	4.3	5.3	6.0	5.3	5.3	5.3	5.1
DAZZLE (ABT-99-4.724)	4.3	3.0	5.3	5.3	9.0	4.7	4.7	4.7	5.7	5.7	5.7	6.0	3.7	5.1
DIVINE	3.7	6.0	6.3	6.3	7.7	7.0	4.7	3.7	5.0	5.7	5.3	6.3	5.3	5.1
IQ (CIS-PR-75)	6.3	2.3	6.3	6.7	8.7	8.0	3.7	4.0	5.7	4.7	4.7	6.7	6.7	5.1
PENNANT II	5.0	3.3	6.0	6.3	8.0	5.0	4.7	4.7	5.7	5.7	5.3	6.0	3.7	5.1
PREMIER II	5.0	3.0	5.3	5.3	7.7	5.3	4.0	3.3	5.0	7.0	6.3	6.3	3.7	5.1
PST-2RT	3.7	6.3	5.7	5.3	7.3	5.7	5.0	5.0	5.0	6.0	6.3	5.3	3.3	5.1
RADIANT	7.7	2.0	6.7	6.3	9.0	7.3	4.0	4.3	6.3	4.7	5.0	5.3	6.3	5.1
STELLAR (CIS-PR-72)	6.7	4.7	6.7	6.0	9.0	7.3	4.3	4.3	5.0	5.3	5.3	6.3	5.3	5.1
SUMMERSET (MB 413)	7.3	3.0	5.7	5.3	9.0	6.0	4.7	4.0	6.7	5.3	4.7	5.0	5.3	5.1

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT NEW BRUNSWICK, NJ 1/
2003 DATA

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

NAME	GENETIC	SPRING	LEAF	DENSITY	RED	GRAY	QUALITY RATINGS							MEAN
	COLOR	GREENUP	TEXTURE	FALL	THREAD	LEAF SPOT	APR	MAY	JUN	JUL	AUG	SEP	OCT	
ABT-99-4.339	3.0	3.7	5.7	4.7	8.3	4.0	4.3	4.3	5.0	6.3	7.0	5.3	2.7	5.0
APR 1231	3.0	2.7	5.7	5.0	9.0	4.7	3.7	3.7	5.0	6.7	6.3	6.7	3.0	5.0
APR 1235	5.0	4.3	6.7	6.0	8.3	8.0	4.7	3.0	4.7	4.7	5.7	6.0	6.3	5.0
ARRIVAL (CIS-PR-84)	5.7	3.0	5.3	3.7	8.0	2.7	4.3	4.7	6.7	6.3	5.3	5.7	2.0	5.0
PEARL II (EPD)	5.0	3.0	5.7	6.3	8.7	6.0	4.3	4.0	6.0	5.3	4.7	6.0	4.7	5.0
KOKOMO (CIS-PR-69)	7.3	2.7	6.3	5.3	8.3	6.7	3.0	4.0	5.3	5.7	6.0	5.7	5.7	5.0
LINE DRIVE	4.3	4.7	4.0	5.7	8.7	5.0	4.7	4.0	5.3	5.7	6.0	6.3	3.3	5.0
MACH 1 (ROBERTS-627)	7.0	2.3	6.0	5.0	8.3	4.3	3.3	5.7	6.0	5.3	5.7	5.3	3.3	5.0
MAJESTY	4.0	4.7	4.7	5.3	6.0	5.7	5.0	4.0	4.7	5.3	5.7	6.0	4.3	5.0
PARADIGM (APR 1236)	4.7	4.3	6.3	5.0	7.0	6.0	4.7	3.3	5.3	5.7	5.7	5.7	5.0	5.0
PST-2JH	4.3	4.7	4.3	5.7	7.7	5.7	4.7	4.3	4.7	6.0	5.7	6.0	3.7	5.0
PST-2LA	4.7	2.7	6.0	6.3	8.7	7.0	4.0	4.0	5.3	5.7	5.7	6.0	4.0	5.0
RACER II (PICK RC2)	3.7	2.7	7.0	7.7	7.7	7.0	3.3	4.0	5.0	6.0	6.3	6.3	4.3	5.0
SKYHAWK	4.7	3.3	6.7	5.7	8.3	5.3	4.7	3.7	5.7	6.0	5.3	5.7	4.0	5.0
SRX 4120	2.3	6.7	4.3	5.3	8.3	6.0	4.7	3.7	4.7	5.7	6.3	6.0	4.0	5.0
SUPERSTAR (EP57)	6.3	4.7	6.7	5.7	8.3	6.0	4.7	4.0	6.0	5.7	5.0	5.3	4.0	5.0
ABT-99-4.115	3.7	4.3	5.0	4.0	7.7	3.7	4.7	4.3	5.3	6.0	7.0	4.7	2.3	4.9
COURAGE (MB 410)	4.3	3.0	5.7	5.7	7.3	6.0	3.7	4.0	5.7	5.3	6.0	5.7	4.0	4.9
DLF-LDD	4.3	3.0	5.0	4.0	8.7	3.7	3.0	5.0	5.3	6.3	6.7	5.7	2.0	4.9
JR-128	4.7	4.0	7.0	5.7	8.3	6.0	4.3	4.0	4.7	5.7	6.3	5.3	4.0	4.9
MANHATTAN 4 (PST-2CRL)	6.0	2.7	6.3	6.3	8.7	6.0	4.0	5.0	5.3	4.7	5.0	6.0	4.3	4.9
MP107	5.3	3.3	6.3	7.0	9.0	6.7	4.3	4.0	6.0	5.0	4.7	5.3	5.0	4.9
PALMER III	3.7	3.7	6.0	5.3	8.7	4.3	4.0	4.3	4.7	6.3	6.3	6.0	2.3	4.9
PICK PR B-97	5.0	2.3	5.3	4.7	7.7	5.3	4.3	4.0	5.7	5.0	5.7	5.7	4.0	4.9
PROSPORT (AG-P981)	5.0	5.0	6.3	5.3	9.0	5.7	4.7	4.7	4.7	5.3	5.3	5.7	4.0	4.9
SECRETARIAT	3.7	4.0	5.0	6.0	8.7	6.7	3.7	4.0	4.7	5.7	6.3	6.0	4.0	4.9
ABT-99-4.464	4.7	3.0	5.3	5.0	8.7	4.7	3.7	4.3	4.7	5.3	6.0	6.7	3.0	4.8
ADMIRE (JR-151)	3.0	5.7	5.3	4.3	8.7	3.0	4.7	4.7	4.7	6.0	6.0	5.0	2.3	4.8
APR 1232	4.0	3.7	5.0	6.3	8.7	6.0	3.7	3.0	4.7	5.3	5.7	6.3	5.0	4.8
APR 776	4.0	4.0	6.0	6.3	9.0	5.3	4.3	3.0	5.0	5.7	5.7	5.3	4.3	4.8
PHANTOM	6.3	3.0	4.3	4.7	8.7	5.0	4.3	5.7	5.0	5.3	4.7	5.0	3.3	4.8
PROTYME (ABT-99-4.625)	6.3	2.3	7.5	6.0	8.7	6.7	4.0	4.3	6.0	5.3	4.3	5.3	4.3	4.8
PROWLER (APR 777)	3.7	5.7	5.3	6.3	9.0	6.0	4.3	2.3	4.7	6.0	5.7	6.7	3.7	4.8
SPLENDID (MB 411)	5.7	3.3	6.3	5.7	8.0	4.7	4.0	4.3	6.0	5.7	5.7	4.7	3.0	4.8
CRUISER (ABT-99-4.709)	5.0	3.0	6.3	6.0	7.0	5.0	4.3	4.7	5.3	5.7	5.0	4.7	3.7	4.8
BLAZER IV (PICK MDR)	6.0	2.7	7.0	5.3	8.7	5.3	3.7	4.3	5.3	5.0	5.0	6.3	3.3	4.7
EXTREME (JR-317)	4.0	4.0	5.7	4.7	8.7	4.7	4.7	4.7	4.7	6.0	5.3	4.0	3.7	4.7
MONTEREY II (JR-187)	3.7	3.0	5.7	4.7	8.7	5.0	4.0	4.3	4.7	6.0	5.7	5.0	3.0	4.7
PARAGON	6.3	3.3	6.3	7.3	8.3	7.7	3.3	5.0	5.0	5.3	5.0	4.7	4.7	4.7
PICK PR QH-97	6.7	2.7	6.0	5.3	8.3	6.3	4.0	4.7	6.0	5.0	4.3	5.3	3.7	4.7
LS 2100 (PST-2SBE)	4.7	2.7	5.0	5.3	6.7	7.3	4.0	3.7	5.3	5.0	5.0	5.3	4.3	4.7
SALINAS (PST-2SLX)	5.0	2.7	7.0	6.0	8.7	6.3	3.7	4.7	5.0	4.3	5.0	6.0	4.0	4.7
SR 4350 (APR 1237)	2.3	2.7	5.7	6.0	9.0	5.7	3.7	3.3	5.0	6.0	5.7	5.7	3.3	4.7
CATALINA	4.0	4.7	4.7	4.3	8.3	3.3	4.3	3.7	5.0	6.0	5.3	5.3	2.7	4.6
PROMISE	4.7	3.0	6.7	6.3	7.3	5.0	3.3	3.3	5.3	6.0	5.3	5.3	3.7	4.6
RENAISSANCE (APR 1233)	4.7	4.0	5.7	6.3	8.3	5.3	4.3	3.3	4.0	5.3	6.0	6.0	3.3	4.6
ABT-99-4.815	4.3	3.7	5.3	4.7	7.3	4.7	4.3	3.7	5.7	5.0	5.3	4.3	3.0	4.5

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT NEW BRUNSWICK, NJ 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY FALL	RED THREAD	GRAY LEAF SPOT	APR	MAY	QUALITY RATINGS					MEAN
									JUN	JUL	AUG	SEP	OCT	
CABO (CIS-PR-80)	6.7	1.3	6.7	5.7	8.7	6.7	3.3	3.3	5.3	4.7	4.3	5.3	5.0	4.5
CALYPSO II	4.7	3.7	6.0	6.7	7.3	6.0	3.3	3.0	3.7	5.7	5.0	6.0	4.7	4.5
EP53	5.7	4.0	6.0	6.7	8.3	7.3	4.0	2.3	5.3	5.0	4.7	5.3	4.7	4.5
MANHATTAN 3	3.7	4.7	6.0	5.7	8.7	6.3	3.7	4.3	4.7	5.3	4.7	4.7	4.0	4.5
MDP	6.0	2.3	5.3	4.7	8.3	5.3	4.3	4.0	6.0	5.0	4.3	4.3	3.7	4.5
MP103	4.7	3.0	5.0	5.0	8.7	6.3	4.0	3.7	5.3	5.0	4.7	5.3	3.7	4.5
PASSPORT	3.7	5.7	4.7	5.7	8.3	5.0	4.0	4.3	5.0	5.7	5.0	4.7	3.0	4.5
PR 1-94 (PICK PR 1-94)	5.7	2.3	5.3	5.0	7.3	4.7	4.3	4.0	5.3	4.3	6.0	5.3	2.3	4.5
PICK PRNGS	3.0	4.3	4.3	3.7	8.3	4.7	4.0	3.3	5.3	5.7	5.3	4.7	3.3	4.5
CAS-LP84	3.7	2.7	4.7	5.0	7.3	5.3	4.3	4.3	5.0	4.7	4.7	4.0	3.7	4.4
PANTHER	2.0	5.0	5.0	3.7	7.7	2.0	4.7	3.7	4.7	6.0	6.0	5.0	1.0	4.4
ALLSPORT	4.0	3.7	5.3	4.0	8.7	3.0	4.3	4.3	4.7	4.3	4.3	4.7	3.3	4.3
MEPY	5.3	2.3	6.7	6.0	8.7	5.7	3.3	3.0	5.3	5.0	4.7	4.7	4.3	4.3
PST-2M4	4.3	2.7	6.7	5.3	8.0	6.0	3.3	3.3	4.0	5.0	5.0	5.3	4.0	4.3
CATALINA II (PST-CATS)	5.7	2.0	4.7	5.3	7.3	5.3	3.3	3.0	4.7	4.7	5.0	5.0	4.0	4.2
CATHEDRAL II	3.0	3.3	3.3	5.0	8.0	5.0	3.7	3.0	4.7	5.3	5.0	5.3	2.7	4.2
DP 17-9391	1.3	5.7	4.0	4.3	9.0	5.0	3.7	3.0	3.3	5.7	5.7	5.3	3.0	4.2
PICK EX2	2.3	6.0	4.0	6.0	8.7	6.7	4.0	3.0	3.3	5.3	4.7	4.7	4.3	4.2
PLEASURE XL	4.0	3.7	4.7	4.0	8.3	4.7	4.3	2.7	4.7	5.7	5.3	4.0	3.0	4.2
RACER	2.0	4.3	5.3	4.3	8.3	5.0	4.3	3.3	4.0	5.0	5.0	4.7	3.0	4.2
ABT-99-4.600	3.3	4.3	5.7	5.3	8.0	4.0	4.0	3.0	3.7	4.7	5.3	4.7	3.3	4.1
BY-100	2.0	5.7	3.7	5.0	7.3	4.0	3.7	3.0	4.0	5.7	5.3	4.3	2.7	4.1
DP LP-1	1.7	4.7	5.3	5.7	9.0	5.7	3.3	4.0	3.3	5.3	4.3	4.7	3.7	4.1
PREMIER	2.7	4.7	5.3	6.3	7.7	7.3	4.0	3.0	3.7	5.3	4.3	4.0	4.3	4.1
PST-2CRR	5.7	4.0	4.3	5.3	7.7	5.0	3.7	2.7	5.0	5.0	4.3	5.3	2.7	4.1
AFFINITY	2.3	6.0	5.0	5.0	9.0	4.3	4.0	3.3	3.7	5.0	5.0	4.3	3.0	4.0
CHARGER II	3.3	5.3	4.0	4.7	9.0	5.0	3.3	3.3	4.0	5.0	5.3	4.7	2.7	4.0
EDGE	1.7	6.0	3.7	3.7	9.0	3.7	3.3	3.0	3.3	5.7	5.7	4.0	2.7	4.0
HEADSTART	2.7	3.0	4.0	4.7	8.3	4.3	2.7	3.3	4.3	5.0	5.0	4.7	3.0	4.0
LPR 98-144	2.0	6.0	5.3	3.7	8.7	3.3	4.0	4.0	4.0	5.0	4.7	4.3	2.3	4.0
WVPB-R-84	2.3	6.3	4.0	5.7	8.7	5.3	4.3	3.3	3.7	4.7	4.7	4.3	3.3	4.0
KOOS R-71	2.3	6.0	3.7	4.3	9.0	4.0	4.0	3.0	3.7	5.7	5.3	3.7	2.0	3.9
BUCCANEER	2.3	7.7	3.3	5.0	9.0	5.7	3.7	3.3	3.7	5.3	4.3	3.3	3.0	3.8
YATSUGREEN	1.3	8.0	2.0	3.3	8.3	6.0	3.7	2.7	3.3	5.3	4.7	4.3	2.7	3.8
APR 1234	1.7	3.7	4.0	6.3	7.3	7.0	3.0	2.3	3.0	4.7	3.7	4.0	5.0	3.7
DP 17-9069	2.0	6.3	4.7	4.3	8.7	5.0	3.3	3.0	3.3	5.0	4.0	3.7	3.3	3.7
WVPB-R-82	1.3	7.0	3.0	4.0	8.7	3.3	4.0	3.7	3.0	4.7	4.7	3.3	2.0	3.6
LPR 98-143	2.7	4.0	5.3	4.3	9.0	6.7	3.0	2.7	3.7	4.0	3.7	3.7	3.7	3.5
DP 17-9496	1.0	8.0	1.7	4.0	8.3	5.0	2.7	1.3	2.3	3.7	3.0	3.0	3.0	2.7
LINN	1.0	7.0	1.0	2.3	7.7	4.7	1.0	1.0	1.0	1.7	1.3	2.0	1.0	1.3
LSD VALUE	1.5	2.2	2.2	1.9	4.7	3.2	2.1	1.6	1.2	1.5	1.3	1.9	2.6	0.8
C.V. (%)	21.6	32.7	21.8	18.6	12.3	27.2	21.4	22.3	14.6	14.4	14.7	19.5	33.8	10.4

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 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2003 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	DENSITY FALL	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
MACH 1 (ROBERTS-627)	9.0	8.0	6.7	7.0	7.3	7.0	7.3	6.7	7.0	6.0	6.3	6.8
CITATION FORE (PST-2BR)	9.0	8.7	7.0	6.7	6.7	7.3	6.3	6.3	7.0	6.7	6.3	6.7
PIZZAZZ	8.0	7.7	6.0	7.0	7.0	8.0	6.3	7.0	6.0	5.7	6.7	6.7
ALL STAR2 (CIS-PR-78)	9.0	7.0	5.3	7.0	6.0	7.3	6.7	6.0	7.3	5.7	7.0	6.6
APPLAUD (PENNINGTON-11301)	8.7	8.0	5.7	6.7	6.7	7.3	6.7	7.0	6.0	6.7	6.0	6.6
AMAZING (B1)	9.0	8.0	6.3	6.7	6.3	7.3	6.3	5.3	6.3	5.3	7.3	6.4
CHARISMATIC (LTP 98-501)	8.3	7.3	5.7	6.3	6.3	8.0	7.0	6.7	5.0	5.0	6.0	6.3
GRAND SLAM 2L96 (PST-2L96)	7.3	7.0	5.7	5.7	7.3	7.0	5.7	7.0	5.0	5.7	6.0	6.2
KOKOMO (CIS-PR-69)	9.0	7.3	6.0	6.3	5.3	6.3	6.7	6.3	6.3	5.7	6.7	6.2
SR 4220 (SRX 4801)	9.0	7.0	6.0	6.7	6.7	6.0	6.0	5.0	6.3	6.0	6.7	6.2
PINNACLE II (BAR 9 B2)	9.0	8.3	7.0	5.3	6.7	6.7	6.0	6.3	5.7	6.0	6.3	6.1
SR 4420 (SRX 4820)	8.3	7.7	6.7	6.0	6.0	6.7	5.7	6.0	5.7	6.3	6.3	6.1
GATOR 3 (CIS-PR-85)	9.0	8.3	6.0	6.3	6.3	7.0	5.7	4.7	5.0	6.3	7.0	6.0
JET	9.0	8.0	5.7	6.3	5.7	7.0	6.7	5.7	4.3	5.7	6.7	6.0
ABT-99-4.560	5.7	6.0	5.7	6.7	6.3	7.0	5.3	7.0	4.7	5.0	5.3	5.9
INSPIRE (R8000)	6.7	7.3	5.7	6.3	6.3	7.3	5.7	4.7	5.7	5.0	6.0	5.9
ABT-99-4.115	6.0	7.7	5.7	6.0	6.0	7.3	5.7	6.7	4.7	4.7	5.7	5.8
ARRIVAL (CIS-PR-84)	9.0	7.7	5.0	6.7	5.7	6.3	6.0	6.3	4.7	5.0	5.3	5.8
DAZZLE (ABT-99-4.724)	7.7	7.0	6.0	6.3	6.3	7.0	5.7	6.0	4.3	4.7	5.7	5.8
MANHATTAN 4 (PST-2CRL)	9.0	7.3	5.7	5.7	6.3	7.3	5.7	4.3	5.7	5.3	6.0	5.8
PENTIUM (NJ-6401)	8.3	8.0	5.7	5.7	5.3	7.0	6.0	6.0	5.3	5.3	5.3	5.8
PROMISE	6.3	6.7	4.7	6.3	6.0	6.3	6.0	6.7	3.7	4.7	6.3	5.8
QUEST II (ABT-99-4.721)	7.0	7.3	5.3	6.0	5.7	6.0	5.7	7.0	5.0	5.3	5.3	5.8
SUNKISSED (ABT-99-4.834)	8.0	7.0	4.0	6.3	6.3	6.3	6.0	5.7	5.0	4.7	6.3	5.8
GALLERY (MB 412)	8.3	6.0	4.7	7.0	5.7	6.0	5.7	6.3	4.3	5.0	5.7	5.7
SEVILLE II	6.7	6.3	4.3	7.0	5.0	6.3	6.0	6.3	4.7	5.0	5.0	5.7
BLAZER IV (PICK MDR)	9.0	7.7	5.7	5.7	5.7	5.7	5.3	5.0	6.0	5.7	6.0	5.6
PARAGON	7.7	6.0	3.7	6.3	5.7	6.3	6.3	6.3	4.0	4.3	5.3	5.6
DLF-LDD	7.3	7.0	4.3	5.0	6.3	7.3	5.7	3.7	5.7	4.3	5.7	5.5
HAWKEYE (SRX 4RHT)	8.3	6.7	5.0	5.7	5.7	6.3	5.0	5.3	4.3	5.0	6.3	5.5
NEXUS	8.3	6.3	5.3	5.7	4.7	6.3	6.3	5.7	4.7	5.3	5.3	5.5
PACESETTER (6011)	6.7	7.3	5.0	5.7	5.7	5.7	5.3	6.3	5.0	4.7	6.0	5.5
CABO (CIS-PR-80)	9.0	8.3	5.3	6.7	5.0	6.7	4.7	3.7	5.3	5.0	6.3	5.4
LTP-ME	6.7	7.7	4.3	5.3	5.3	6.3	5.3	5.7	4.7	5.3	5.0	5.4
PICK PR B-97	7.3	6.3	5.0	6.3	5.3	5.3	5.7	5.0	5.0	4.7	5.7	5.4
SR 4500	6.3	7.7	6.3	4.7	5.7	6.3	5.7	3.7	5.3	5.0	6.7	5.4
STELLAR (CIS-PR-72)	8.3	7.3	6.7	6.3	5.3	5.3	5.0	4.3	5.3	5.7	6.0	5.4
CRUISER (ABT-99-4.709)	7.3	6.3	5.3	6.0	5.7	6.0	5.3	6.0	3.7	4.3	5.7	5.3
MP107	6.3	7.7	4.0	6.0	5.0	5.7	5.3	5.0	4.3	5.3	6.0	5.3
PICK PR QH-97	8.3	6.3	4.7	5.7	5.7	6.3	4.3	5.3	4.7	5.0	5.3	5.3
PREMIER II	6.7	7.0	5.3	5.0	5.0	5.7	5.0	5.0	5.3	5.3	6.0	5.3
BRIGHTSTAR SLT (PST-2A6B)	7.0	7.7	5.3	5.3	4.7	6.0	5.3	4.3	5.3	4.7	6.0	5.2
CALYPSO II	5.0	7.7	6.7	5.0	4.7	5.3	5.3	6.7	4.3	4.3	5.7	5.2
CHURCHILL	8.0	7.7	5.0	5.7	5.0	5.7	5.0	4.0	5.0	4.7	6.3	5.2
FIESTA 3	6.7	7.7	6.0	5.3	5.3	6.7	4.7	3.7	5.3	5.0	5.3	5.2
ICON (MB 414)	7.7	7.7	5.3	5.3	5.0	6.0	5.0	5.3	4.3	4.7	5.7	5.2
IQ (CIS-PR-75)	7.7	6.3	5.0	6.0	4.3	6.3	6.0	4.7	4.7	5.0	4.7	5.2

TABLE 14.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2003 DATA

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

NAME	GENETIC	LEAF	DENSITY	QUALITY RATINGS									MEAN
	COLOR	TEXTURE	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
RACER II (PICK RC2)	4.0	7.0	5.3	5.3	5.0	5.7	5.3	5.7	4.3	5.0	5.0	5.2	
TERRADYNE (A5C)	7.3	7.0	4.7	6.0	5.3	6.0	4.7	4.7	4.0	5.3	5.7	5.2	
ABT-99-4.464	6.0	7.0	4.0	6.3	5.0	5.3	5.3	5.3	3.3	4.7	5.3	5.1	
EXACTA	7.0	6.0	5.0	5.0	4.7	5.7	4.7	4.7	4.7	5.3	6.3	5.1	
PST-2RT	3.3	6.0	5.0	5.7	4.3	6.0	5.7	5.7	5.0	4.0	4.3	5.1	
ASCEND	7.7	7.0	4.7	5.3	4.7	5.3	5.3	5.0	4.3	5.0	4.7	5.0	
CATALINA II (PST-CATS)	6.7	6.7	4.7	6.0	5.0	5.7	4.7	4.7	4.7	4.3	4.7	5.0	
MAJESTY	6.3	7.3	5.7	6.0	4.3	6.0	5.3	4.7	4.7	4.7	4.7	5.0	
PST-2LA	6.0	7.3	5.3	5.7	4.0	5.3	5.3	5.3	4.3	4.7	5.0	5.0	
BRIGHTSTAR II	7.7	6.3	4.7	6.0	5.3	5.3	4.7	5.0	3.7	4.3	5.0	4.9	
CAS-LP84	6.3	6.7	4.0	5.3	3.7	5.7	5.7	5.3	4.0	4.3	5.0	4.9	
SALINAS (PST-2SLX)	7.0	7.3	4.0	6.0	4.7	5.3	4.7	4.3	4.3	5.0	5.0	4.9	
SECRETARIAT	4.0	6.3	4.7	5.0	4.3	6.0	4.7	6.3	3.3	4.0	5.3	4.9	
ABT-99-4.339	6.3	7.0	3.7	5.7	4.7	6.0	5.3	5.0	3.3	4.0	4.7	4.8	
ABT-99-4.965	7.7	7.3	4.7	5.3	4.3	6.0	4.3	5.0	4.0	4.7	5.0	4.8	
AFFIRMED	7.0	6.3	4.7	5.3	5.3	5.3	5.0	3.7	4.0	4.3	5.3	4.8	
COURAGE (MB 410)	5.3	7.7	5.0	5.7	4.7	5.0	4.7	4.0	4.7	4.3	5.0	4.8	
MEPY	7.0	7.7	3.7	6.0	4.3	5.3	5.3	3.7	3.7	4.7	5.7	4.8	
PALMER III	7.0	6.0	4.0	5.0	4.7	6.0	4.7	5.0	3.3	4.3	5.7	4.8	
PR 1-94 (PICK PR 1-94)	7.7	6.3	4.3	5.7	5.0	4.7	4.7	3.7	4.0	4.7	6.0	4.8	
PROTYME (ABT-99-4.625)	8.0	5.0	4.0	5.3	4.3	6.0	4.3	4.7	3.3	4.7	5.3	4.8	
LS 2100 (PST-2SBE)	5.3	4.0	4.0	5.7	5.0	5.7	5.0	5.0	4.0	4.3	4.0	4.8	
SUMMERSET (MB 413)	5.7	8.3	3.3	6.0	4.7	5.7	4.7	5.0	3.7	4.0	5.0	4.8	
ADMIRE (JR-151)	5.7	7.0	4.3	5.0	5.7	5.7	4.7	4.7	3.3	3.7	4.7	4.7	
BARLENNIUM	7.7	8.3	4.3	4.7	4.7	4.7	4.7	4.7	4.3	5.0	4.7	4.7	
ELFKIN	7.3	7.3	5.3	5.3	4.3	5.0	5.0	3.7	4.3	4.7	5.3	4.7	
PARADIGM (APR 1236)	4.7	6.3	3.7	6.0	4.0	5.3	5.0	4.7	4.0	4.0	4.7	4.7	
PST-2M4	6.7	6.7	4.0	6.0	4.3	6.0	5.0	3.0	4.3	5.0	4.0	4.7	
APR 776	5.3	7.7	4.0	5.0	4.3	5.0	4.7	4.0	4.7	4.0	5.0	4.6	
JR-128	4.3	6.0	3.7	5.3	4.3	5.3	4.7	5.0	3.3	4.0	5.0	4.6	
LINE DRIVE	4.3	6.3	4.3	5.0	4.0	5.7	4.7	4.0	3.7	4.3	5.3	4.6	
MDP	8.0	7.3	5.0	5.3	4.0	5.7	5.0	2.7	3.7	4.3	6.3	4.6	
MP88	8.3	7.7	4.7	5.3	5.0	5.7	4.7	2.3	3.7	4.3	6.0	4.6	
PENNANT II	6.3	7.7	3.0	6.0	4.0	5.3	5.0	4.0	3.7	4.0	5.0	4.6	
PLEASURE XL	6.3	5.7	5.0	6.0	4.3	6.0	4.0	3.7	4.0	4.7	4.0	4.6	
PST-2JH	6.0	7.0	5.7	5.3	4.0	4.7	4.3	4.0	4.7	4.7	5.3	4.6	
RADIANT	7.0	7.3	4.7	6.0	4.7	5.3	4.3	4.3	3.3	4.3	4.7	4.6	
SR 4350 (APR 1237)	5.3	8.0	4.3	5.3	4.7	4.7	4.0	4.7	3.7	4.3	5.7	4.6	
APR 1232	3.7	8.7	5.7	4.7	3.7	4.7	4.7	5.0	4.0	4.7	5.0	4.5	
CATHEDRAL II	4.0	6.3	4.0	5.7	5.0	5.3	4.3	5.7	3.3	3.7	3.3	4.5	
DIVINE	3.0	7.7	4.3	5.3	3.3	5.3	5.0	5.3	3.7	3.7	4.3	4.5	
MONTEREY II (JR-187)	5.3	7.0	5.3	5.0	5.0	4.3	4.7	3.7	3.7	4.3	5.3	4.5	
PICK PRNGS	4.0	7.0	4.3	5.3	4.3	5.0	5.0	3.7	4.0	3.7	4.7	4.5	
PROWLER (APR 777)	5.0	5.7	3.7	5.0	3.7	4.7	4.3	5.0	4.7	4.0	4.7	4.5	
PST-2CRR	7.0	7.0	4.7	5.7	4.3	5.3	4.7	3.3	4.0	4.7	4.0	4.5	
RENAISSANCE (APR 1233)	5.7	6.0	4.7	5.3	4.0	4.0	4.3	5.3	4.0	4.3	5.0	4.5	
EP53	7.3	7.3	4.0	5.0	4.3	4.7	4.3	3.0	4.0	4.7	5.3	4.4	

TABLE 14.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2003 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	DENSITY				QUALITY RATINGS					MEAN
			FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
EXTREME (JR-317)	7.0	7.3	4.0	5.3	4.0	5.3	4.7	4.3	3.3	4.3	4.0	4.4
LPR 98-143	5.3	6.3	4.3	4.7	3.7	5.0	3.7	4.0	3.7	6.0	4.7	4.4
HEADSTART	4.3	6.0	3.3	5.3	4.0	4.7	4.3	5.7	3.0	3.3	3.7	4.3
LPR 98-144	6.3	6.0	3.7	4.7	4.0	5.7	4.7	4.7	2.7	3.3	4.3	4.3
MANHATTAN 3	3.7	6.0	4.3	5.3	4.0	5.0	4.7	3.3	4.0	3.7	4.0	4.3
PREMIER	5.7	8.0	4.0	4.3	3.7	4.3	4.0	4.7	4.0	4.7	5.0	4.3
RACER	5.0	6.3	5.0	5.3	3.7	4.7	4.7	4.7	3.3	4.0	4.0	4.3
SKYHAWK	6.0	7.0	3.7	4.7	3.7	5.0	4.7	3.0	3.3	4.3	5.7	4.3
SPLENDID (MB 411)	7.7	7.7	4.3	5.0	4.7	5.0	4.7	2.7	3.0	4.3	4.7	4.3
ABT-99-4.815	5.3	7.0	3.3	5.7	4.3	5.3	4.7	4.0	2.3	3.3	3.7	4.2
APR 1231	3.3	6.3	4.7	4.7	4.0	5.0	5.0	4.7	3.0	3.7	3.3	4.2
APR 1235	5.0	8.0	5.0	4.7	4.0	4.0	4.0	4.0	4.3	4.3	4.0	4.2
SRX 4120	4.0	6.0	5.7	4.7	3.3	4.7	4.3	4.3	4.3	3.7	4.0	4.2
CATALINA	5.3	6.0	3.7	5.0	4.3	5.0	4.3	3.7	2.7	3.7	4.0	4.1
CHARGER II	4.0	7.0	4.7	4.7	4.0	5.3	4.0	3.7	3.3	3.7	4.3	4.1
PHANTOM	6.7	6.7	3.3	4.7	4.3	5.3	4.0	4.0	3.7	3.7	3.3	4.1
PICK EX2	3.0	5.3	5.3	4.7	3.7	4.3	4.3	5.7	3.0	3.7	3.7	4.1
PROSPORT (AG-P981)	6.7	6.7	3.3	5.0	3.7	4.7	4.3	3.7	3.7	4.0	4.0	4.1
AFFINITY	2.3	5.3	4.0	4.7	3.3	4.7	4.3	5.0	2.7	4.3	3.3	4.0
PANTHER	4.3	5.3	2.3	5.3	3.7	5.3	5.3	4.3	2.0	2.3	4.0	4.0
ABT-99-4.600	6.0	5.3	3.3	4.7	3.7	4.3	3.7	3.0	3.3	3.7	5.0	3.9
BY-100	2.7	6.7	4.3	5.0	3.3	5.0	4.3	4.3	2.7	3.3	3.3	3.9
PEARL II (EPD)	7.3	7.0	3.3	4.7	4.0	5.0	3.7	2.3	3.3	3.7	4.7	3.9
MP103	7.7	6.0	3.7	4.3	3.7	4.7	4.3	2.3	3.0	4.3	4.7	3.9
PASSPORT	5.0	6.0	3.3	5.0	4.3	4.7	3.7	3.7	3.0	3.3	3.7	3.9
WILMINGTON	8.0	6.0	3.7	4.7	3.3	4.7	4.0	2.0	3.0	4.3	5.3	3.9
APR 1234	3.0	6.3	3.7	4.0	3.3	4.0	3.7	4.3	3.7	3.7	4.0	3.8
KOOS R-71	3.0	4.7	3.7	4.7	3.3	4.7	4.0	4.3	2.3	3.7	3.7	3.8
SUPERSTAR (EP57)	7.7	8.0	3.0	4.7	3.7	5.0	4.0	2.0	2.7	4.0	4.3	3.8
WVPB-R-84	3.0	6.3	4.3	4.7	3.3	4.3	4.0	4.0	3.3	3.3	3.7	3.8
ALLSPORT	6.0	7.3	3.3	4.3	3.0	5.0	4.3	2.0	2.7	3.7	4.3	3.7
EDGE	3.0	6.7	4.0	4.0	3.7	4.7	4.0	3.7	2.7	3.0	4.0	3.7
WVPB-R-82	3.3	4.7	3.7	4.7	3.3	4.7	3.7	4.0	2.0	3.3	3.0	3.6
DP 17-9069	1.7	5.3	4.3	4.7	3.0	3.7	3.7	4.0	2.7	3.3	3.0	3.5
BUCCANEER	4.0	6.0	3.7	3.7	2.7	4.3	3.7	4.0	3.0	3.0	3.0	3.4
DP LP-1	2.0	6.0	4.0	4.3	3.0	3.3	3.3	3.7	2.7	3.0	3.3	3.3
DP 17-9391	2.0	6.0	4.3	4.0	3.0	2.7	3.7	3.3	2.7	3.3	2.7	3.2
YATSUGREEN	1.7	5.7	3.3	3.0	3.0	3.7	3.3	4.3	2.3	2.0	1.0	2.8
DP 17-9496	1.0	5.3	3.0	4.0	2.0	2.0	2.7	2.7	2.0	2.0	1.7	2.4
LINN	1.7	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.7	1.0	1.2
LSD VALUE	2.0	2.6	1.7	1.6	1.2	1.3	1.5	3.1	1.4	1.4	1.3	0.7
C.V. (%)	21.4	18.6	21.4	16.7	16.4	14.8	17.7	32.3	21.7	18.3	16.7	10.1

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

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

TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST AT NEW BRUNSWICK (TRAFFIC STUDY), NJ 1/ 2003 DATA

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

NAME	GENETIC	SPRING	LEAF	QUALITY RATINGS			
	COLOR	GREENUP	TEXTURE	SEP	OCT	NOV	MEAN
SR 4500	5.0	3.0	6.3	8.0	6.0	5.7	6.6
CITATION FORE (PST-2BR)	6.7	5.0	7.3	5.7	6.3	6.7	6.2
APR 1232	4.0	3.7	5.0	7.0	6.0	5.3	6.1
APR 1235	5.0	4.3	6.7	5.3	6.3	6.3	6.0
LINE DRIVE	4.3	4.7	4.0	6.7	5.7	5.7	6.0
LS 2100 (PST-2SBE)	4.7	2.7	5.0	6.0	6.3	5.7	6.0
SR 4350 (APR 1237)	2.3	2.7	5.7	8.0	5.0	5.0	6.0
SR 4220 (SRX 4801)	6.7	3.0	7.0	6.3	6.0	5.3	5.9
EP53	5.7	4.0	6.0	5.3	6.3	5.7	5.8
PST-2LA	4.7	2.7	6.0	6.3	6.0	5.0	5.8
RADIANT	7.7	2.0	6.7	5.3	6.3	5.7	5.8
CATALINA II (PST-CATS)	5.7	2.0	4.7	6.7	5.7	4.7	5.7
PARAGON	6.3	3.3	6.3	5.3	6.3	5.3	5.7
ASCEND	5.0	4.0	5.0	5.3	6.0	5.3	5.6
DIVINE	3.7	6.0	6.3	4.7	6.3	5.7	5.6
JR-128	4.7	4.0	7.0	5.3	5.7	5.7	5.6
COURAGE (MB 410)	4.3	3.0	5.7	5.7	5.7	5.0	5.4
EXACTA	6.0	3.3	6.3	6.0	5.7	4.7	5.4
MDP	6.0	2.3	5.3	5.3	5.7	5.3	5.4
PACESETTER (6011)	5.0	3.3	5.7	7.0	4.7	4.7	5.4
PST-2RT	3.7	6.3	5.7	6.3	5.3	4.7	5.4
RACER II (PICK RC2)	3.7	2.7	7.0	6.3	5.3	4.7	5.4
MACH 1 (ROBERTS-627)	7.0	2.3	6.0	6.3	5.3	4.3	5.3
MAJESTY	4.0	4.7	4.7	6.0	5.3	4.7	5.3
STELLAR (CIS-PR-72)	6.7	4.7	6.7	5.7	5.7	4.7	5.3
AFFIRMED	3.7	3.7	5.3	6.3	4.7	4.7	5.2
IQ (CIS-PR-75)	6.3	2.3	6.3	4.0	6.0	5.7	5.2
PHANTOM	6.3	3.0	4.3	6.3	5.0	4.3	5.2
PROWLER (APR 777)	3.7	5.7	5.3	7.0	4.7	4.0	5.2
WVPB-R-84	2.3	6.3	4.0	5.3	5.7	4.7	5.2
ABT-99-4.560	7.0	2.7	7.0	4.0	5.7	5.7	5.1
ABT-99-4.965	7.3	3.3	5.7	5.7	5.0	4.7	5.1
BUCCANEER	2.3	7.7	3.3	5.7	4.7	5.0	5.1
MANHATTAN 4 (PST-2CRL)	6.0	2.7	6.3	4.3	5.3	5.3	5.0
MP88	6.0	4.0	6.3	5.0	5.3	4.7	5.0
PST-2JH	4.3	4.7	4.3	5.0	5.3	4.7	5.0
INSPIRE (R8000)	5.0	3.3	6.7	5.3	5.0	4.3	4.9
MONTEREY II (JR-187)	3.7	3.0	5.7	4.3	5.0	5.3	4.9
PROSPORT (AG-P981)	5.0	5.0	6.3	5.7	4.7	4.3	4.9
CHURCHILL	7.0	3.0	6.0	4.7	5.3	4.3	4.8
DP LP-1	1.7	4.7	5.3	3.7	5.7	5.0	4.8
ELFKIN	4.3	3.7	6.3	5.7	4.7	4.0	4.8
PEARL II (EPD)	5.0	3.0	5.7	4.3	5.3	4.7	4.8
HEADSTART	2.7	3.0	4.0	6.7	4.0	3.7	4.8
ICON (MB 414)	5.3	2.3	6.0	5.3	5.0	4.0	4.8
PICK PR QH-97	6.7	2.7	6.0	5.0	5.0	4.3	4.8
PLEASURE XL	4.0	3.7	4.7	5.7	4.3	4.3	4.8

TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT NEW BRUNSWICK (TRAFFIC STUDY), NJ 1/
2003 DATA

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

NAME	QUALITY RATINGS							MEAN
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SEP	OCT	NOV		
PREMIER	2.7	4.7	5.3	4.3	4.7	5.3	4.8	
PROTYME (ABT-99-4.625)	6.3	2.3	7.5	5.3	5.0	4.0	4.8	
SALINAS (PST-2SLX)	5.0	2.7	7.0	5.0	5.0	4.3	4.8	
SECRETARIAT	3.7	4.0	5.0	6.0	5.0	3.3	4.8	
SUPERSTAR (EP57)	6.3	4.7	6.7	5.0	5.0	4.3	4.8	
WILMINGTON	7.7	3.7	6.0	4.7	5.0	4.7	4.8	
BARLENNIUM	6.0	5.0	6.7	5.3	4.0	4.7	4.7	
BRIGHTSTAR II	5.7	3.7	5.7	6.0	4.3	3.7	4.7	
LTP-ME	5.3	3.3	6.0	6.3	4.0	3.7	4.7	
MEPY	5.3	2.3	6.7	4.7	4.7	4.7	4.7	
PENTIUM (NJ-6401)	5.0	4.7	6.0	6.7	4.3	3.0	4.7	
PICK PR B-97	5.0	2.3	5.3	6.0	4.7	3.3	4.7	
ALL STAR2 (CIS-PR-78)	7.0	4.0	5.3	5.0	4.7	4.0	4.6	
CAS-LP84	3.7	2.7	4.7	5.7	4.7	3.3	4.6	
GATOR 3 (CIS-PR-85)	6.3	3.0	7.3	5.0	4.7	4.0	4.6	
ABT-99-4.464	4.7	3.0	5.3	7.0	3.3	3.0	4.4	
APR 1231	3.0	2.7	5.7	6.3	3.7	3.3	4.4	
APR 1234	1.7	3.7	4.0	3.3	5.0	5.0	4.4	
BRIGHTSTAR SLT (PST-2A6B)	6.0	4.7	7.0	6.0	3.7	3.7	4.4	
MANHATTAN 3	3.7	4.7	6.0	5.7	4.0	3.7	4.4	
MP107	5.3	3.3	6.3	3.7	5.0	4.7	4.4	
BLAZER IV (PICK MDR)	6.0	2.7	7.0	5.3	4.0	3.7	4.3	
CRUISER (ABT-99-4.709)	5.0	3.0	6.3	5.0	4.3	3.7	4.3	
DAZZLE (ABT-99-4.724)	4.3	3.0	5.3	5.0	4.7	3.3	4.3	
DP 17-9391	1.3	5.7	4.0	5.3	4.0	3.7	4.3	
FIESTA 3	5.0	3.3	6.0	5.3	4.0	3.7	4.3	
GRAND SLAM 2L96 (PST-2L96)	4.7	3.7	6.3	5.3	4.0	3.7	4.3	
LPR 98-143	2.7	4.0	5.3	4.0	5.0	4.0	4.3	
MP103	4.7	3.0	5.0	4.3	4.3	4.3	4.3	
PASSPORT	3.7	5.7	4.7	5.7	4.0	3.3	4.3	
PST-2CRR	5.7	4.0	4.3	4.7	4.3	4.0	4.3	
PST-2M4	4.3	2.7	6.7	4.3	4.0	4.7	4.3	
RACER	2.0	4.3	5.3	5.0	4.3	3.7	4.3	
SR 4420 (SRX 4820)	7.0	3.7	6.3	5.0	4.3	3.7	4.3	
ABT-99-4.115	3.7	4.3	5.0	5.0	4.0	3.7	4.2	
CABO (CIS-PR-80)	6.7	1.3	6.7	3.7	4.7	4.3	4.2	
CATHEDRAL II	3.0	3.3	3.3	5.3	4.3	3.0	4.2	
GALLERY (MB 412)	7.0	2.3	5.3	5.0	4.0	3.7	4.2	
PREMIER II	5.0	3.0	5.3	4.3	4.3	4.0	4.2	
SEVILLE II	5.7	4.7	6.0	4.3	4.7	3.7	4.2	
EXTREME (JR-317)	4.0	4.0	5.7	4.7	4.3	3.3	4.1	
JET	5.7	3.7	5.3	5.0	3.7	3.7	4.1	
PALMER III	3.7	3.7	6.0	6.0	3.7	2.7	4.1	
PICK EX2	2.3	6.0	4.0	4.0	4.7	3.7	4.1	
PR 1-94 (PICK PR 1-94)	5.7	2.3	5.3	5.7	3.7	3.0	4.1	
PIZZAZZ	7.3	3.7	7.0	4.7	4.3	3.3	4.1	
RENAISSANCE (APR 1233)	4.7	4.0	5.7	5.7	3.7	3.0	4.1	

TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT NEW BRUNSWICK (TRAFFIC STUDY), NJ 1/
2003 DATA

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

NAME	QUALITY RATINGS						
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SEP	OCT	NOV	MEAN
SUNKISSED (ABT-99-4.834)	7.7	3.0	5.7	4.7	4.0	3.7	4.1
ABT-99-4.815	4.3	3.7	5.3	4.3	4.0	3.7	4.0
ADMIRE (JR-151)	3.0	5.7	5.3	6.7	2.7	2.7	4.0
AMAZING (B1)	8.3	2.7	6.0	3.0	4.7	4.3	4.0
DP 17-9069	2.0	6.3	4.7	4.0	4.7	3.3	4.0
HAWKEYE (SRX 4RHT)	6.0	3.3	6.0	5.7	3.7	2.7	4.0
PENNANT II	5.0	3.3	6.0	4.3	4.0	3.7	4.0
SRX 4120	2.3	6.7	4.3	5.3	3.7	3.0	4.0
ABT-99-4.339	3.0	3.7	5.7	6.0	3.0	2.7	3.9
APPLAUD (PENNINGTON-11301)	6.0	3.0	4.7	5.0	3.7	3.0	3.9
CALYPSO II	4.7	3.7	6.0	4.3	3.7	3.7	3.9
CHARISMATIC (LTP 98-501)	6.7	3.7	6.0	4.3	4.3	3.0	3.9
KOKOMO (CIS-PR-69)	7.3	2.7	6.3	3.7	4.3	3.7	3.9
PINNACLE II (BAR 9 B2)	6.7	2.0	6.0	4.7	3.7	3.3	3.9
CHARGER II	3.3	5.3	4.0	5.7	3.0	2.7	3.8
SUMMERSET (MB 413)	7.3	3.0	5.7	4.3	4.0	3.0	3.8
APR 776	4.0	4.0	6.0	4.7	3.3	3.0	3.7
NEXUS	7.7	3.7	6.7	4.7	4.0	2.3	3.7
PARADIGM (APR 1236)	4.7	4.3	6.3	4.0	4.0	3.0	3.7
ABT-99-4.600	3.3	4.3	5.7	5.7	2.7	2.3	3.6
AFFINITY	2.3	6.0	5.0	4.7	3.3	2.7	3.6
DP 17-9496	1.0	8.0	1.7	3.3	4.3	3.0	3.6
QUEST II (ABT-99-4.721)	5.3	3.0	5.3	3.0	4.0	3.7	3.6
SKYHAWK	4.7	3.3	6.7	4.3	3.7	2.7	3.6
YATSUGREEN	1.3	8.0	2.0	4.0	4.0	2.7	3.6
ALLSPORT	4.0	3.7	5.3	4.3	3.0	3.0	3.4
ARRIVAL (CIS-PR-84)	5.7	3.0	5.3	3.7	3.3	3.3	3.4
PROMISE	4.7	3.0	6.7	4.0	3.3	3.0	3.4
TERRADYNE (A5C)	7.3	3.7	6.3	5.0	2.7	2.7	3.4
SPLENDID (MB 411)	5.7	3.3	6.3	4.3	3.0	2.7	3.3
CATALINA	4.0	4.7	4.7	5.7	2.3	1.7	3.2
KOOS R-71	2.3	6.0	3.7	4.0	2.7	2.7	3.1
WVPB-R-82	1.3	7.0	3.0	4.0	2.7	2.7	3.1
BY-100	2.0	5.7	3.7	3.7	2.7	2.3	2.9
DLF-LDD	4.3	3.0	5.0	5.3	2.0	1.3	2.9
LPR 98-144	2.0	6.0	5.3	4.0	2.7	2.0	2.9
PICK PRNGS	3.0	4.3	4.3	4.3	2.7	1.7	2.9
EDGE	1.7	6.0	3.7	4.3	2.0	1.3	2.6
PANTHER	2.0	5.0	5.0	5.0	1.7	1.0	2.6
LINN	1.0	7.0	1.0	1.0	1.7	1.0	1.2
LSD VALUE	1.5	2.2	2.2	1.9	2.7	2.9	2.0
C.V. (%)	21.6	32.7	21.8	21.3	29.7	35.6	23.1

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 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT ITHACA, NY 1/
2003 DATA

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

NAME	QUALITY RATINGS									
	SPRING GREENUP	CRABGRASS RATINGS	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
ELFKIN	6.0	5.7	6.3	6.7	6.7	7.0	7.3	7.3	7.3	7.0
PICK EX2	7.0	6.3	6.0	6.7	7.0	7.0	7.3	7.3	7.3	7.0
ABT-99-4.815	7.3	6.0	6.0	6.7	7.0	6.3	7.3	7.3	7.3	6.9
ASCEND	7.0	6.7	6.0	7.0	6.7	6.3	6.7	7.7	7.7	6.9
PROTYME (ABT-99-4.625)	6.7	5.7	5.7	6.3	7.0	7.0	7.3	7.3	7.3	6.9
PST-2CRR	7.0	7.7	5.7	7.0	7.0	6.7	7.0	7.3	7.3	6.9
PST-2M4	7.3	5.0	6.3	6.3	6.3	6.3	7.3	7.7	7.7	6.9
QUEST II (ABT-99-4.721)	6.7	6.7	6.0	6.3	7.0	7.0	7.3	7.3	7.3	6.9
ABT-99-4.600	7.0	7.7	6.0	6.0	7.0	6.7	7.3	7.3	7.3	6.8
ABT-99-4.965	7.0	6.7	5.7	6.3	7.0	6.7	7.0	7.3	7.3	6.8
AMAZING (B1)	7.3	7.7	5.7	6.3	6.7	6.3	7.3	7.7	7.7	6.8
BRIGHTSTAR SLT (PST-2A6B)	6.0	7.3	5.3	6.7	7.0	6.7	7.0	7.3	7.3	6.8
CATALINA	6.7	6.7	5.7	6.7	7.7	6.7	6.7	7.0	7.0	6.8
CITATION FORE (PST-2BR)	6.7	6.7	5.7	6.3	6.7	7.0	7.0	7.3	7.3	6.8
CRUISER (ABT-99-4.709)	7.0	5.3	6.0	6.7	7.0	6.7	7.3	7.0	7.0	6.8
DAZZLE (ABT-99-4.724)	7.7	5.7	6.3	6.7	6.7	6.7	7.0	7.0	7.0	6.8
DIVINE	6.3	7.7	5.7	6.7	6.7	6.3	7.3	7.3	7.3	6.8
JET	7.0	5.0	6.0	6.3	7.0	6.3	7.7	7.0	7.0	6.8
PACESETTER (6011)	7.0	5.7	5.7	6.7	7.0	7.0	7.7	6.7	6.7	6.8
PASSPORT	6.7	6.3	6.3	6.7	6.3	6.3	7.0	7.3	7.3	6.8
PHANTOM	6.7	7.0	5.7	7.0	7.0	6.7	7.0	7.0	7.0	6.8
SR 4220 (SRX 4801)	5.7	5.3	6.0	6.3	6.7	6.3	7.7	7.3	7.3	6.8
WVPB-R-82	7.0	6.0	6.0	6.3	7.0	6.7	7.3	7.0	7.0	6.8
WVPB-R-84	7.3	7.3	6.0	6.0	7.0	7.0	7.0	7.3	7.3	6.8
ABT-99-4.464	6.7	7.7	5.7	6.3	7.0	6.3	7.3	7.0	7.0	6.7
ABT-99-4.560	6.3	7.0	5.7	6.3	6.7	6.7	7.3	7.0	7.0	6.7
AFFIRMED	7.0	5.0	5.7	6.7	7.3	6.3	7.0	7.0	7.0	6.7
APR 1234	5.7	6.7	5.3	6.3	7.0	7.0	7.0	7.0	7.0	6.7
APR 1235	6.0	7.0	5.3	7.0	6.3	6.7	7.0	7.3	7.3	6.7
BLAZER IV (PICK MDR)	6.7	6.3	5.7	6.7	6.3	6.7	7.7	7.0	7.0	6.7
CALYPSO II	6.7	6.0	6.7	6.7	7.0	6.3	7.0	6.7	6.7	6.7
CATHEDRAL II	6.7	6.7	5.7	6.0	6.7	7.0	7.7	7.0	7.0	6.7
CHARGER II	6.7	5.7	5.7	6.3	7.0	6.7	7.0	7.0	7.0	6.7
DP 17-9069	6.7	6.0	5.7	6.0	6.7	7.0	7.3	7.0	7.0	6.7
DP 17-9391	6.7	6.0	5.7	6.3	7.0	7.3	7.0	6.7	6.7	6.7
EDGE	6.3	6.3	5.7	7.0	6.7	6.7	7.3	6.7	6.7	6.7
LINE DRIVE	7.0	6.3	6.3	6.3	6.7	6.7	7.3	6.7	6.7	6.7
LTP-ME	7.3	5.3	5.3	6.7	6.7	6.3	7.3	7.3	7.3	6.7
MANHATTAN 3	6.3	7.0	5.7	6.7	7.0	6.7	7.0	7.0	7.0	6.7
MANHATTAN 4 (PST-2CRL)	7.7	7.7	6.0	6.7	7.0	6.7	7.3	6.7	6.7	6.7
PIZZAZZ	6.0	7.3	5.7	6.7	6.7	6.7	7.0	7.0	7.0	6.7
PLEASURE XL	6.7	6.7	5.3	6.3	6.7	6.7	7.0	7.3	7.3	6.7
PST-2JH	6.3	5.3	5.7	6.3	6.7	6.3	7.7	7.0	7.0	6.7
LS 2100 (PST-2SBE)	6.3	7.3	5.3	6.3	6.7	6.7	7.3	7.3	7.3	6.7
SALINAS (PST-2SLX)	6.7	7.7	5.7	6.3	6.7	6.7	7.3	7.0	7.0	6.7
SRX 4120	6.3	6.3	6.0	6.3	6.3	6.7	7.3	7.0	7.0	6.7
SUMMERSET (MB 413)	6.7	5.7	6.3	6.3	6.0	6.3	7.7	7.0	7.0	6.7

TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT ITHACA, NY 1/
 2003 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/									
	SPRING GREENUP	CRABGRASS RATINGS	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
AFFINITY	6.3	7.0	5.7	6.3	6.7	6.3	7.0	7.0	7.0	6.6
ALL STAR2 (CIS-PR-78)	6.3	6.7	5.7	6.0	7.0	6.3	7.3	7.0	7.0	6.6
APR 1231	6.7	6.7	6.0	6.3	6.3	6.3	7.0	7.0	7.0	6.6
APR 1232	6.7	5.0	5.7	6.0	6.7	6.7	7.3	7.0	7.0	6.6
ARRIVAL (CIS-PR-84)	6.7	7.0	5.7	6.0	6.7	6.3	7.3	7.0	7.0	6.6
BRIGHTSTAR II	7.7	6.7	5.7	6.3	6.3	6.0	7.3	7.3	7.3	6.6
BY-100	6.7	6.7	5.0	6.7	6.7	6.3	7.3	7.0	7.0	6.6
CABO (CIS-PR-80)	5.7	6.7	5.3	5.7	7.0	6.7	7.3	7.0	7.0	6.6
CATALINA II (PST-CATS)	6.3	7.3	5.3	5.7	6.7	6.7	7.3	7.3	7.3	6.6
COURAGE (MB 410)	6.3	5.0	5.0	5.7	7.0	6.7	7.7	7.0	7.0	6.6
EXACTA	7.3	7.0	5.7	6.0	6.7	6.3	7.3	7.0	7.0	6.6
INSPIRE (R8000)	6.7	7.7	6.0	6.0	6.7	6.7	7.3	6.7	6.7	6.6
IQ (CIS-PR-75)	6.3	6.3	5.7	6.3	6.3	6.7	7.0	7.0	7.0	6.6
KOOS R-71	6.7	7.3	5.7	6.0	6.7	6.7	7.0	7.0	7.0	6.6
MP103	6.3	6.0	5.3	6.3	7.0	6.7	7.0	7.0	7.0	6.6
MP88	7.7	6.0	6.0	6.3	6.3	6.7	7.0	7.0	7.0	6.6
PALMER III	5.7	7.0	5.7	6.0	7.0	6.7	7.0	7.0	7.0	6.6
PICK PR QH-97	5.7	7.0	5.3	6.0	6.3	6.7	7.7	7.0	7.0	6.6
PREMIER	6.3	5.0	5.7	6.3	7.0	6.7	7.3	6.7	6.7	6.6
PROWLER (APR 777)	5.7	7.7	5.7	6.3	6.3	6.7	7.3	7.0	7.0	6.6
RACER II (PICK RC2)	7.0	7.3	6.0	6.3	6.7	6.7	6.7	7.0	7.0	6.6
SPLENDID (MB 411)	6.7	6.7	5.3	6.0	6.7	6.3	7.7	7.0	7.0	6.6
SR 4350 (APR 1237)	7.3	7.7	6.0	6.0	6.7	6.3	7.3	7.0	7.0	6.6
SR 4420 (SRX 4820)	5.0	5.7	5.3	6.0	7.0	6.7	7.3	7.0	7.0	6.6
STELLAR (CIS-PR-72)	6.3	5.7	6.0	6.7	6.3	6.3	7.3	6.7	6.7	6.6
SUNKISSED (ABT-99-4.834)	6.7	6.0	5.3	6.3	7.0	6.3	7.0	7.0	7.0	6.6
WILMINGTON	7.0	5.3	5.7	5.7	6.7	6.7	7.7	7.0	7.0	6.6
ABT-99-4.115	6.7	6.0	5.7	6.3	6.7	6.7	7.0	6.7	6.7	6.5
ABT-99-4.339	5.7	7.3	5.7	6.0	6.7	6.3	7.0	7.0	7.0	6.5
ALLSPORT	7.0	7.3	5.3	6.0	7.0	6.7	7.3	6.7	6.7	6.5
CAS-LP84	5.7	7.0	5.3	6.3	6.3	6.7	7.0	7.0	7.0	6.5
CHURCHILL	7.0	6.7	5.3	6.3	6.3	6.3	7.0	7.0	7.0	6.5
DP 17-9496	6.0	7.7	5.0	6.0	7.3	6.7	7.0	6.7	6.7	6.5
EXTREME (JR-317)	6.7	7.0	5.3	6.0	6.3	6.7	7.0	7.0	7.0	6.5
GALLERY (MB 412)	5.7	6.7	5.3	6.0	6.0	6.7	7.3	7.0	7.0	6.5
GATOR 3 (CIS-PR-85)	6.7	7.0	5.0	6.3	6.7	6.7	7.0	7.0	7.0	6.5
GRAND SLAM 2L96 (PST-2L96)	6.0	4.5	6.5	6.5	6.5	6.0	7.0	6.5	6.5	6.5
HAWKEYE (SRX 4RHT)	6.7	5.7	5.0	6.3	7.0	6.7	7.3	6.7	6.7	6.5
MEPY	6.0	7.7	5.3	6.0	6.3	6.7	7.3	7.0	7.0	6.5
MONTEREY II (JR-187)	5.3	6.0	5.3	6.3	6.3	6.7	7.3	6.7	6.7	6.5
MP107	6.7	6.7	5.3	5.7	6.7	6.7	7.3	7.0	7.0	6.5
PANTHER	6.3	7.3	5.3	6.0	6.3	6.7	7.0	7.0	7.0	6.5
PARAGON	6.7	7.3	6.0	6.0	6.0	6.7	6.7	7.0	7.0	6.5
PENNANT II	6.3	6.7	5.7	6.3	6.7	6.7	6.7	6.7	6.7	6.5
PENTIUM (NJ-6401)	6.0	7.3	5.0	6.3	6.7	6.3	7.0	7.0	7.0	6.5
PICK PRNGS	5.7	7.0	5.0	5.7	6.7	6.7	7.3	7.0	7.0	6.5
PINNACLE II (BAR 9 B2)	6.0	6.3	4.7	6.3	6.7	6.3	7.3	7.0	7.0	6.5

TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT ITHACA, NY 1/
 2003 DATA

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

NAME	TURFGRASS QUALITY		QUALITY RATINGS								MEAN
	SPRING GREENUP	CRABGRASS RATINGS	APR	MAY	JUN	JUL	AUG	SEP	OCT		
PREMIER II	5.7	6.0	4.7	6.0	7.0	6.3	7.3	7.0	7.0	6.5	
PROMISE	6.0	6.7	5.7	6.3	6.3	6.7	6.3	7.0	7.0	6.5	
PROSPORT (AG-P981)	6.7	5.3	5.3	6.0	6.7	6.7	7.7	6.7	6.7	6.5	
PST-2LA	6.7	5.7	5.0	6.0	6.7	6.7	7.3	7.0	7.0	6.5	
PST-2RT	7.3	6.7	5.3	6.0	6.3	6.7	7.0	7.0	7.0	6.5	
RENAISSANCE (APR 1233)	6.0	5.7	5.3	6.3	6.7	6.7	6.7	7.0	7.0	6.5	
SKYHAWK	6.0	7.3	5.3	6.0	6.7	6.7	6.7	7.0	7.0	6.5	
ADMIRE (JR-151)	5.7	6.7	5.0	6.0	6.7	6.7	7.3	6.7	6.7	6.4	
APPLAUD (PENNINGTON-11301)	6.3	6.0	5.3	6.3	6.3	6.3	7.0	6.7	6.7	6.4	
APR 776	6.0	6.3	5.3	6.0	6.3	6.3	7.0	7.0	7.0	6.4	
BARLENNIUM	5.3	6.3	5.0	6.3	6.3	6.3	6.7	7.0	7.0	6.4	
BUCCANEER	4.3	5.7	5.7	6.3	6.0	6.0	7.3	6.7	6.7	6.4	
CHARISMATIC (LTP 98-501)	6.0	5.0	5.3	6.7	6.3	6.3	7.0	6.7	6.7	6.4	
EP53	6.7	7.0	5.7	6.0	6.3	6.3	6.7	7.0	7.0	6.4	
PEARL II (EPD)	6.0	7.0	5.0	5.7	6.3	6.7	7.3	7.0	7.0	6.4	
ICON (MB 414)	6.0	6.3	5.0	5.7	6.7	6.3	7.7	6.7	6.7	6.4	
JR-128	5.0	6.3	5.0	6.3	6.3	6.0	7.0	7.0	7.0	6.4	
LINN	5.3	3.7	6.0	6.0	6.3	6.0	7.0	6.7	6.7	6.4	
LPR 98-143	5.7	7.0	5.3	6.3	7.0	6.3	6.3	6.7	6.7	6.4	
MACH 1 (ROBERTS-627)	5.3	6.3	5.3	5.7	7.0	6.3	7.0	6.7	6.7	6.4	
PARADIGM (APR 1236)	5.7	7.0	5.3	6.0	6.3	6.7	7.0	6.7	6.7	6.4	
RACER	6.0	5.3	5.7	6.7	6.0	6.0	7.0	6.7	6.7	6.4	
RADIANT	6.3	5.7	5.3	6.0	6.3	6.3	7.7	6.7	6.7	6.4	
SECRETARIAT	5.7	6.3	5.3	6.3	6.0	6.3	7.0	7.0	7.0	6.4	
SEVILLE II	6.3	7.3	5.3	6.0	6.3	6.3	7.0	7.0	7.0	6.4	
SUPERSTAR (EP57)	6.3	7.3	5.3	6.0	6.3	6.3	7.0	7.0	7.0	6.4	
TERRADYNE (A5C)	6.3	5.0	5.7	6.0	6.3	6.3	6.7	7.0	7.0	6.4	
YATSUGREEN	5.7	7.3	5.7	6.3	6.3	6.3	7.0	6.7	6.7	6.4	
DLF-LDD	6.0	6.0	5.0	6.0	6.7	6.7	6.7	6.7	6.7	6.3	
DP LP-1	7.0	4.3	5.3	5.7	6.7	6.3	7.0	6.7	6.7	6.3	
FIESTA 3	6.3	7.0	5.7	6.3	6.0	6.0	7.0	6.7	6.7	6.3	
KOKOMO (CIS-PR-69)	6.7	6.0	5.3	6.0	6.0	6.3	6.7	7.0	7.0	6.3	
LPR 98-144	5.7	7.0	5.7	6.0	6.3	6.3	6.7	6.7	6.7	6.3	
MAJESTY	6.3	7.7	5.0	5.7	6.7	6.3	7.0	6.7	6.7	6.3	
NEXUS	6.0	6.7	5.0	6.0	6.0	6.7	6.7	7.0	7.0	6.3	
PR 1-94 (PICK PR 1-94)	5.0	5.7	4.7	6.3	6.0	6.3	6.7	7.0	7.0	6.3	
PICK PR B-97	6.0	7.3	5.0	6.0	6.3	6.3	7.0	6.7	6.7	6.3	
HEADSTART	5.7	6.3	5.7	6.0	6.0	6.0	6.7	6.7	6.7	6.2	
MDP	6.3	6.7	4.3	6.0	6.0	6.3	6.7	7.0	7.0	6.2	
SR 4500	5.7	5.3	5.3	6.3	6.7	6.0	6.7	6.3	6.3	6.2	
LSD VALUE	6.1	8.3	3.3	2.1	1.3	2.4	2.8	2.2	2.2	1.3	
C.V. (%)	17.6	23.7	12.4	8.3	7.3	7.0	7.6	6.2	6.2	4.3	

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 17. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT ITHACA (TRAFFIC), NY 1/
2003 DATA

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

NAME	SPRING	LEAF	QUALITY RATINGS								
	GREENUP	TEXTURE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
KOOS R-71	6.0	6.0	6.0	5.3	6.7	4.3	6.0	5.7	6.7	6.7	5.9
WVPB-R-84	6.3	6.0	5.7	5.7	6.7	4.0	6.0	5.7	6.7	6.7	5.9
ALLSPORT	6.7	6.3	5.7	5.3	7.0	4.0	6.0	5.3	6.3	6.3	5.8
COURAGE (MB 410)	6.7	6.3	5.7	5.7	6.7	3.7	6.0	5.7	6.7	6.7	5.8
DP 17-9391	6.3	6.7	5.7	5.0	6.7	5.0	6.0	5.3	6.3	6.3	5.8
FIESTA 3	6.3	6.0	6.0	5.3	6.7	3.3	6.0	5.7	6.7	6.7	5.8
QUEST II (ABT-99-4.721)	6.7	6.3	6.0	5.3	6.7	4.0	6.0	5.3	6.3	6.3	5.8
ABT-99-4.115	6.7	6.7	6.3	5.3	6.7	4.0	6.0	5.0	6.0	6.0	5.7
LINE DRIVE	6.7	6.3	6.0	5.7	6.3	4.3	6.0	5.0	6.0	6.0	5.7
PHANTOM	6.0	6.0	5.7	5.0	6.7	3.3	6.0	5.7	6.7	6.7	5.7
SPLENDID (MB 411)	7.0	6.0	6.3	5.7	6.3	4.0	6.0	5.0	6.0	6.0	5.7
ABT-99-4.560	7.0	6.3	6.0	5.3	6.7	3.7	6.0	5.0	6.0	6.0	5.6
ARRIVAL (CIS-PR-84)	7.0	6.0	6.0	5.0	6.3	3.7	6.0	5.3	6.3	6.3	5.6
BLAZER IV (PICK MDR)	7.0	6.3	6.3	6.0	6.3	3.3	6.0	5.0	6.0	6.0	5.6
CRUISER (ABT-99-4.709)	7.3	6.0	6.0	5.3	6.3	4.3	6.0	5.0	6.0	6.0	5.6
MANHATTAN 4 (PST-2CRL)	7.0	6.0	6.0	5.7	6.3	4.0	5.7	5.3	6.0	6.0	5.6
PICK PR B-97	6.0	6.0	5.7	5.0	7.0	3.0	6.0	5.3	6.3	6.3	5.6
PREMIER II	7.0	6.0	6.0	5.3	6.3	4.3	6.0	5.0	6.0	6.0	5.6
PROTYME (ABT-99-4.625)	6.3	6.0	6.0	5.3	6.7	4.0	6.0	5.0	6.0	6.0	5.6
PST-2RT	6.7	6.0	6.3	5.3	6.7	3.3	6.0	5.0	6.0	6.0	5.6
RACER	6.3	6.0	6.0	6.0	6.3	3.7	6.0	5.0	6.0	6.0	5.6
SALINAS (PST-2SLX)	7.0	6.0	6.0	5.3	6.7	4.0	6.0	5.0	6.0	6.0	5.6
ABT-99-4.464	6.7	5.7	5.7	5.0	6.7	3.7	5.7	5.3	6.0	6.0	5.5
ABT-99-4.815	6.3	6.3	6.0	5.0	6.0	3.7	6.0	5.0	6.0	6.0	5.5
AFFINITY	6.7	6.0	5.7	5.3	6.3	4.0	5.7	5.3	6.0	6.0	5.5
AFFIRMED	6.7	6.3	5.7	5.3	6.0	3.7	6.0	5.0	6.0	6.0	5.5
APR 1234	6.0	5.7	6.0	5.0	6.7	4.0	5.7	5.0	5.7	5.7	5.5
APR 1235	6.7	6.3	6.0	5.3	6.0	3.3	6.0	5.0	6.0	6.0	5.5
BUCCANEER	6.3	6.0	5.7	5.0	6.7	3.3	6.0	5.0	6.0	6.0	5.5
BY-100	7.0	6.0	5.3	4.7	6.3	4.0	6.0	5.3	6.3	6.3	5.5
CALYPSO II	6.7	6.0	6.0	5.3	6.0	4.0	5.7	5.0	6.0	6.0	5.5
CATALINA	6.7	6.3	6.0	5.3	6.7	3.7	5.7	5.0	5.7	5.7	5.5
CATALINA II (PST-CATS)	6.3	6.0	5.3	5.0	6.7	3.7	6.0	5.0	6.0	6.0	5.5
CATHEDRAL II	6.7	6.0	6.0	5.7	6.3	3.7	5.7	5.0	5.7	5.7	5.5
CHARGER II	6.3	6.0	6.0	5.3	6.7	3.3	6.0	5.0	6.0	6.0	5.5
CHURCHILL	6.3	6.3	5.7	5.7	6.3	3.0	6.0	5.0	6.0	6.0	5.5
CITATION FORE (PST-2BR)	6.7	6.0	6.0	5.3	6.0	3.3	6.0	5.0	6.0	6.0	5.5
DIVINE	6.3	6.7	5.7	5.3	6.3	3.3	6.0	5.0	6.0	6.0	5.5
EDGE	6.3	7.0	5.7	5.0	6.7	3.0	6.0	5.3	6.3	6.3	5.5
EXACTA	7.0	6.3	6.0	5.0	6.3	4.0	6.0	5.0	6.0	6.0	5.5
GATOR 3 (CIS-PR-85)	7.3	6.3	6.0	5.0	6.3	3.7	6.0	5.0	6.0	6.0	5.5
ICON (MB 414)	7.3	6.0	6.0	5.0	6.7	4.3	5.7	5.0	5.7	5.7	5.5
INSPIRE (R8000)	7.3	6.3	5.7	5.3	6.7	3.7	6.0	5.0	6.0	6.0	5.5
JR-128	6.7	6.7	5.7	5.0	6.3	3.7	5.7	5.3	6.0	6.0	5.5
KOKOMO (CIS-PR-69)	6.7	6.0	6.0	5.7	6.7	4.0	5.7	5.0	5.7	5.7	5.5
LPR 98-143	7.0	6.0	6.0	5.3	6.3	3.7	6.0	5.0	6.0	6.0	5.5
MACH 1 (ROBERTS-627)	7.0	6.0	6.0	5.7	6.0	3.3	6.0	5.0	6.0	6.0	5.5

TABLE 17. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT ITHACA (TRAFFIC), NY 1/
2003 DATA

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

NAME	QUALITY RATINGS										MEAN
	SPRING GREENUP	LEAF TEXTURE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
MAJESTY	6.3	6.0	5.7	5.0	6.0	4.0	6.0	5.0	6.0	6.0	5.5
MDP	6.7	6.3	6.0	5.3	6.0	4.0	6.0	5.0	6.0	6.0	5.5
MP88	7.0	6.0	6.3	5.3	6.3	4.3	5.7	5.0	5.7	5.7	5.5
PACESETTER (6011)	6.7	6.0	6.0	5.3	6.3	3.7	6.0	5.0	6.0	6.0	5.5
PANTHER	6.7	6.3	6.0	5.7	6.7	3.7	5.7	5.0	5.7	5.7	5.5
PARADIGM (APR 1236)	6.3	6.0	5.3	5.0	6.7	3.7	5.7	5.3	6.0	6.0	5.5
PARAGON	6.3	6.0	6.0	5.3	6.3	3.0	6.0	5.0	6.0	6.0	5.5
PICK PR QH-97	6.7	6.7	6.0	5.7	6.3	3.3	6.0	5.0	6.0	6.0	5.5
PICK PRNGS	7.3	6.3	6.0	5.0	7.0	3.3	6.0	5.0	6.0	6.0	5.5
PINNACLE II (BAR 9 B2)	7.3	6.3	6.0	5.3	6.7	4.0	5.7	5.0	5.7	5.7	5.5
PIZZAZZ	6.3	6.7	6.0	5.0	6.3	3.3	6.0	5.0	6.0	6.0	5.5
PROSPORT (AG-P981)	6.7	6.0	6.0	5.3	6.3	3.7	6.0	5.0	6.0	6.0	5.5
PST-2CRR	6.7	6.0	6.0	5.3	6.0	3.7	6.0	5.0	6.0	6.0	5.5
PST-2JH	6.7	6.3	6.0	5.0	6.3	4.0	5.7	5.3	6.0	6.0	5.5
PST-2LA	6.7	6.0	6.0	5.0	6.7	3.3	6.0	5.0	6.0	6.0	5.5
RADIANT	6.3	6.3	5.3	5.0	6.3	4.3	6.0	5.0	6.0	6.0	5.5
SECRETARIAT	7.0	5.7	5.7	5.3	6.7	3.3	6.0	5.0	6.0	6.0	5.5
SEVILLE II	6.7	6.0	5.7	5.3	6.0	3.7	6.0	5.0	6.0	6.0	5.5
SR 4350 (APR 1237)	6.7	6.0	6.0	5.0	6.3	4.0	5.7	5.3	6.0	6.0	5.5
SUNKISSED (ABT-99-4.834)	6.7	6.0	5.7	5.3	6.0	4.0	6.0	5.0	6.0	6.0	5.5
WVPB-R-82	6.3	6.0	5.7	5.0	6.3	4.0	5.7	5.3	6.0	6.0	5.5
YATSUGREEN	6.7	6.0	6.0	5.3	6.3	3.3	6.0	5.0	6.0	6.0	5.5
ABT-99-4.600	7.0	6.0	5.7	5.7	6.0	4.0	5.7	5.0	5.7	5.7	5.4
AMAZING (B1)	6.7	6.3	6.3	5.3	6.3	3.3	5.7	5.0	5.7	5.7	5.4
APR 1232	6.3	6.0	6.0	5.0	6.3	4.0	5.7	5.0	5.7	5.7	5.4
DAZZLE (ABT-99-4.724)	7.0	6.0	6.0	5.0	6.3	4.0	5.7	5.0	5.7	5.7	5.4
DP 17-9069	5.7	6.0	6.0	5.0	6.0	4.3	5.7	5.0	5.7	5.7	5.4
EP53	6.0	6.0	5.3	4.7	6.3	3.7	6.0	5.0	6.0	6.0	5.4
GALLERY (MB 412)	6.7	6.0	6.0	5.3	6.0	3.7	5.7	5.0	5.7	5.7	5.4
MANHATTAN 3	6.3	6.0	5.7	5.0	6.3	3.3	6.0	5.0	6.0	6.0	5.4
MEPY	6.0	6.3	5.3	5.0	6.0	4.0	6.0	5.0	6.0	6.0	5.4
PALMER III	7.0	6.0	6.0	5.3	6.3	3.3	5.7	5.0	5.7	5.7	5.4
PENNANT II	6.3	6.0	6.0	5.0	6.3	3.7	5.7	5.0	5.7	5.7	5.4
PENTIUM (NJ-6401)	6.7	6.3	6.3	5.3	6.3	3.0	5.7	5.0	5.7	5.7	5.4
PICK EX2	6.7	6.0	6.0	5.0	6.3	4.0	5.7	5.0	5.7	5.7	5.4
PLEASURE XL	6.7	6.3	6.0	5.3	6.3	3.7	5.7	5.0	5.7	5.7	5.4
PST-2M4	6.7	6.3	5.7	5.0	6.3	3.0	6.0	5.0	6.0	6.0	5.4
RACER II (PICK RC2)	6.3	6.0	5.7	5.0	6.3	4.0	5.7	5.0	5.7	5.7	5.4
RENAISSANCE (APR 1233)	6.0	6.0	5.7	4.7	6.3	3.3	5.7	5.3	6.0	6.0	5.4
SUMMERSET (MB 413)	6.3	6.0	6.0	5.3	6.3	3.7	5.7	5.0	5.7	5.7	5.4
WILMINGTON	6.7	6.3	5.7	5.0	6.3	4.0	5.7	5.0	5.7	5.7	5.4
ABT-99-4.339	6.3	6.0	5.7	4.7	6.0	3.7	5.7	5.0	5.7	5.7	5.3
ALL STAR2 (CIS-PR-78)	6.3	6.0	5.7	5.0	6.7	3.0	5.7	5.0	5.7	5.7	5.3
APR 1231	7.0	6.3	5.3	5.0	6.3	4.0	5.7	5.0	5.7	5.7	5.3
APR 776	6.7	6.0	5.7	5.0	6.3	3.0	5.7	5.0	5.7	5.7	5.3
ASCEND	6.7	6.7	5.3	5.0	6.3	3.7	5.7	5.0	5.7	5.7	5.3
BRIGHTSTAR SLT (PST-2A6B)	7.0	6.0	5.7	5.0	6.3	3.3	5.7	5.0	5.7	5.7	5.3

TABLE 17. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT ITHACA (TRAFFIC), NY 1/
 2003 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/										
	SPRING GREENUP	LEAF TEXTURE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
CABO (CIS-PR-80)	6.3	6.3	5.7	5.3	6.3	3.3	5.7	5.0	5.7	5.7	5.3
CAS-LP84	6.3	6.3	5.3	5.0	6.0	3.7	5.7	5.0	5.7	5.7	5.3
CHARISMATIC (LTP 98-501)	6.7	6.3	5.7	5.7	6.3	3.7	5.3	5.0	5.3	5.3	5.3
DLF-LDD	6.7	6.3	5.7	5.3	6.3	3.0	5.3	5.3	5.7	5.7	5.3
DP 17-9496	6.0	6.0	5.3	5.0	6.0	3.7	5.7	5.0	5.7	5.7	5.3
DP LP-1	6.7	6.0	5.7	5.7	6.3	4.0	5.3	5.0	5.3	5.3	5.3
ELFKIN	6.7	6.3	5.7	4.7	6.0	4.0	5.7	5.0	5.7	5.7	5.3
GRAND SLAM 2L96 (PST-2L96)	6.5	6.0	5.5	5.0	6.0	4.0	5.5	5.0	5.5	5.5	5.3
HAWKEYE (SRX 4RHT)	6.3	6.3	5.3	4.7	6.0	3.3	5.7	5.0	6.0	6.0	5.3
LTP-ME	6.7	6.0	5.7	5.0	6.0	3.3	5.7	5.0	5.7	5.7	5.3
MONTEREY II (JR-187)	6.7	7.0	6.0	5.3	6.0	3.3	5.7	5.0	5.7	5.7	5.3
MP103	6.0	6.0	5.3	5.0	6.0	4.0	5.7	5.0	5.7	5.7	5.3
MP107	6.7	6.0	5.7	5.0	6.0	4.3	5.3	5.0	5.3	5.3	5.3
NEXUS	6.7	6.0	6.0	5.3	6.0	3.0	5.7	5.0	5.7	5.7	5.3
PREMIER	6.3	6.0	5.7	5.3	6.0	3.3	5.7	4.7	5.7	5.7	5.3
LS 2100 (PST-2SBE)	6.7	6.0	5.7	5.7	6.0	3.3	5.7	5.0	5.7	5.7	5.3
SKYHAWK	6.7	6.0	6.0	5.0	6.0	3.7	5.7	5.0	5.7	5.7	5.3
SR 4220 (SRX 4801)	6.7	6.0	5.7	5.0	6.0	4.0	5.7	5.0	5.7	5.7	5.3
SR 4420 (SRX 4820)	6.3	6.0	5.3	5.0	6.3	4.0	5.7	5.0	5.7	5.7	5.3
SR 4500	6.3	6.0	5.7	5.0	6.3	3.7	5.7	5.0	5.7	5.7	5.3
STELLAR (CIS-PR-72)	6.3	6.0	5.7	5.3	6.3	3.3	5.7	5.0	5.7	5.7	5.3
ABT-99-4.965	6.7	6.0	5.3	4.7	6.3	3.3	5.7	5.0	5.7	5.7	5.2
ADMIRE (JR-151)	6.3	6.7	5.3	5.0	6.3	3.7	5.3	5.0	5.3	5.3	5.2
APPLAUD (PENNINGTON-11301)	7.0	6.3	6.0	5.0	6.0	3.3	5.3	5.0	5.3	5.3	5.2
BARLENNIUM	7.0	6.0	5.7	5.3	5.7	3.3	5.7	4.7	5.7	5.7	5.2
BRIGHTSTAR II	6.7	6.0	5.7	5.0	6.0	3.7	5.3	5.0	5.3	5.3	5.2
PEARL II (EPD)	6.7	6.3	5.3	4.7	6.0	3.7	5.7	5.0	5.7	5.7	5.2
EXTREME (JR-317)	6.3	6.7	5.7	5.0	6.0	3.3	5.7	4.7	5.7	5.7	5.2
IQ (CIS-PR-75)	6.3	6.0	5.3	5.0	6.3	4.0	5.3	5.0	5.3	5.3	5.2
JET	6.3	6.0	5.3	4.7	6.3	3.3	5.7	5.0	5.7	5.7	5.2
PASSPORT	6.3	6.0	5.7	5.0	6.0	3.0	5.7	5.0	5.7	5.7	5.2
PROMISE	6.3	6.0	5.7	4.7	6.0	3.3	5.7	4.7	5.7	5.7	5.2
SRX 4120	6.3	6.0	5.7	4.7	5.7	3.7	5.7	4.7	5.7	5.7	5.2
SUPERSTAR (EP57)	6.3	6.3	5.7	5.0	6.0	4.0	5.3	5.0	5.3	5.3	5.2
HEADSTART	6.3	6.0	5.3	5.0	6.0	3.0	5.7	4.7	5.7	5.7	5.1
LPR 98-144	6.7	5.7	5.3	5.0	6.0	3.0	5.3	4.7	5.3	5.3	5.0
TERRADYNE (A5C)	6.3	6.0	5.3	5.0	6.0	3.3	5.3	4.7	5.3	5.3	5.0
PR 1-94 (PICK PR 1-94)	6.7	5.7	5.7	5.0	5.7	3.3	5.0	4.7	5.0	5.0	4.9
PROWLER (APR 777)	6.7	6.0	5.7	5.3	5.3	2.7	5.0	4.3	5.0	5.3	4.8
LINN	5.7	5.7	4.7	4.0	5.7	4.0	4.7	4.3	4.7	5.3	4.7
LSD VALUE	2.5	1.0	1.9	1.3	2.9	2.4	2.1	0.9	2.0	2.3	1.4
C.V. (%)	8.5	6.0	8.1	8.7	8.6	17.5	7.5	6.1	9.0	8.8	6.0

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 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT UNIVERSITY PARK, PA 1/
2003 DATA

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

NAME	GENETIC COLOR	BROWN PATCH WARM TEMP.	QUALITY RATINGS					OCT	MEAN
			MAY	JUN	JUL	AUG	SEP		
MACH 1 (ROBERTS-627)	8.7	7.7	7.7	8.0	8.7	7.7	8.0	8.3	8.1
ALL STAR2 (CIS-PR-78)	7.7	8.0	8.0	7.7	9.0	7.0	8.0	7.7	7.9
INSPIRE (R8000)	6.7	7.7	7.7	6.7	8.7	8.0	7.3	7.7	7.7
JET	7.3	7.7	7.3	6.3	8.3	7.3	8.0	8.0	7.6
TERRADYNE (A5C)	7.7	8.3	7.7	7.0	8.3	7.3	6.7	8.0	7.5
GATOR 3 (CIS-PR-85)	7.3	7.7	7.7	6.7	9.0	6.3	7.7	7.0	7.4
SR 4220 (SRX 4801)	7.3	7.7	6.7	7.3	8.0	7.3	7.7	7.7	7.4
ABT-99-4.464	5.7	7.7	7.3	6.3	8.0	7.7	7.0	7.3	7.3
AMAZING (B1)	7.0	8.3	7.7	6.3	8.7	7.0	7.3	6.7	7.3
DAZZLE (ABT-99-4.724)	7.0	7.3	7.0	7.0	7.7	7.3	7.7	7.3	7.3
PARAGON	6.3	8.0	7.7	7.7	7.7	6.3	7.7	7.0	7.3
ABT-99-4.560	7.0	7.3	7.0	6.3	8.0	7.0	7.7	7.3	7.2
APPLAUD (PENNINGTON-11301)	6.7	7.3	7.0	7.0	7.3	7.0	7.3	7.3	7.2
ARRIVAL (CIS-PR-84)	7.3	8.3	7.0	6.7	8.7	7.0	7.0	7.0	7.2
ELFKIN	5.0	7.3	6.7	6.7	8.0	7.3	7.0	7.3	7.2
GRAND SLAM 2L96 (PST-2L96)	7.0	7.3	6.7	6.7	7.7	7.7	7.0	7.3	7.2
HAWKEYE (SRX 4RHT)	7.3	7.7	6.7	6.7	8.3	6.7	7.0	7.7	7.2
ICON (MB 414)	7.3	7.7	7.7	7.0	7.7	6.7	6.7	7.3	7.2
PINNACLE II (BAR 9 B2)	7.7	8.0	7.3	6.7	8.3	6.3	7.0	7.3	7.2
SR 4420 (SRX 4820)	6.7	7.0	6.7	6.7	8.0	7.3	7.3	7.3	7.2
BLAZER IV (PICK MDR)	6.7	7.3	6.7	5.7	8.7	6.7	7.3	7.3	7.1
CHARISMATIC (LTP 98-501)	7.3	7.7	6.7	6.7	7.7	6.3	7.3	8.0	7.1
CHURCHILL	7.0	7.3	6.7	6.7	7.7	7.3	7.7	6.7	7.1
MANHATTAN 4 (PST-2CRL)	6.7	6.7	7.0	6.0	7.0	6.7	8.0	8.0	7.1
PACESETTER (6011)	5.7	7.7	6.7	6.0	8.0	7.3	6.3	8.3	7.1
PENTIUM (NJ-6401)	5.3	8.0	6.7	6.7	7.7	7.0	7.3	7.3	7.1
PST-2M4	5.0	7.7	7.0	6.0	7.7	7.3	7.0	7.3	7.1
SUMMERSET (MB 413)	7.7	6.7	7.3	7.0	8.0	7.0	6.3	7.0	7.1
AFFIRMED	4.7	7.3	6.7	5.3	8.0	7.7	7.3	7.0	7.0
NEXUS	7.3	7.3	7.3	6.3	7.7	6.7	7.0	7.0	7.0
SECRETARIAT	3.7	8.0	7.3	6.3	7.3	7.3	7.0	6.7	7.0
CITATION FORE (PST-2BR)	6.7	8.0	6.7	6.3	7.7	7.0	7.0	6.7	6.9
DLF-LDD	7.3	7.3	6.3	5.7	7.7	6.7	7.3	7.7	6.9
EXACTA	6.3	7.7	6.7	6.3	7.7	6.7	7.0	7.3	6.9
LTP-ME	7.0	7.3	6.7	6.0	7.7	6.7	7.0	7.3	6.9
PICK PR QH-97	7.7	7.7	7.0	6.3	7.7	6.7	7.0	7.0	6.9
QUEST II (ABT-99-4.721)	7.3	6.7	6.3	5.7	7.7	6.7	7.0	8.0	6.9
SR 4500	5.0	7.7	6.7	6.3	8.0	7.0	6.3	7.3	6.9
STELLAR (CIS-PR-72)	8.0	7.7	6.7	5.3	8.7	6.7	7.3	7.0	6.9
SUNKISSED (ABT-99-4.834)	8.0	7.0	6.3	6.3	8.3	6.0	7.3	7.3	6.9
ABT-99-4.115	5.3	7.3	6.3	6.0	7.0	6.7	7.7	7.3	6.8
ASCEND	6.0	7.0	7.3	6.7	7.3	6.3	6.7	6.7	6.8
BARLENNIUM	5.3	7.0	7.0	6.0	7.7	6.3	7.0	7.0	6.8
CABO (CIS-PR-80)	7.3	7.0	7.7	6.3	7.3	6.7	6.3	6.7	6.8
CRUISER (ABT-99-4.709)	6.0	8.0	7.3	5.7	7.3	7.3	6.3	6.7	6.8
KOKOMO (CIS-PR-69)	7.0	7.7	6.0	6.0	8.0	6.7	7.0	7.3	6.8
PALMER III	5.0	8.3	6.0	5.7	8.0	7.0	7.7	6.7	6.8

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT UNIVERSITY PARK, PA 1/
2003 DATA

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

NAME	GENETIC COLOR	BROWN PATCH WARM TEMP.	QUALITY RATINGS					OCT	MEAN
			MAY	JUN	JUL	AUG	SEP		
SALINAS (PST-2SLX)	6.0	7.7	7.0	6.3	7.0	7.0	7.0	6.7	6.8
ABT-99-4.339	4.3	7.7	6.3	6.3	7.3	7.7	6.7	6.0	6.7
APR 776	5.0	7.7	6.3	6.0	7.3	6.7	6.7	7.3	6.7
BRIGHTSTAR II	6.3	6.7	6.7	5.7	7.3	6.7	7.0	6.7	6.7
BRIGHTSTAR SLT (PST-2A6B)	7.0	7.7	7.3	6.0	7.0	7.0	6.3	6.7	6.7
DIVINE	4.7	6.0	6.3	5.3	7.3	7.0	6.7	7.3	6.7
MAJESTY	6.0	7.7	6.0	6.0	7.7	7.3	6.7	6.7	6.7
PENNANT II	7.3	7.0	6.7	5.7	7.3	6.3	6.7	7.7	6.7
PICK PR B-97	7.0	7.7	6.3	5.7	7.7	6.3	7.0	7.0	6.7
PIZZAZZ	8.0	7.3	5.7	6.3	7.7	6.0	7.3	7.0	6.7
PREMIER II	5.0	7.3	6.3	6.3	7.7	6.7	6.7	6.7	6.7
PROMISE	6.0	6.3	6.7	5.7	7.7	6.3	6.7	7.0	6.7
PST-2JH	4.3	8.0	6.3	5.7	7.0	7.3	7.0	6.7	6.7
SEVILLE II	6.7	7.7	6.0	6.3	7.7	6.0	7.0	7.0	6.7
SR 4350 (APR 1237)	4.7	6.7	7.0	6.3	6.7	6.7	6.7	7.0	6.7
ADMIRE (JR-151)	4.3	7.7	6.7	5.7	7.3	7.0	6.3	6.3	6.6
CALYPSO II	5.7	7.0	6.7	6.7	7.0	6.7	6.7	6.0	6.6
COURAGE (MB 410)	6.3	7.0	6.0	5.7	7.7	6.3	6.3	7.3	6.6
FIESTA 3	7.3	8.3	6.7	6.3	7.7	6.0	7.0	6.0	6.6
GALLERY (MB 412)	8.3	6.3	6.0	6.0	7.0	6.0	6.7	7.7	6.6
JR-128	4.0	6.0	6.7	5.7	7.7	7.0	6.0	6.7	6.6
PST-2LA	4.7	7.3	6.3	5.0	7.0	7.0	7.0	7.3	6.6
PST-2RT	4.3	7.7	6.7	5.3	6.7	7.0	7.0	7.0	6.6
RACER II (PICK RC2)	5.0	8.3	7.0	6.3	7.3	6.7	6.3	6.0	6.6
SPLENDID (MB 411)	7.0	7.3	6.7	6.0	7.3	6.0	6.3	7.0	6.6
ABT-99-4.965	8.3	7.3	6.0	5.3	7.7	6.0	7.0	7.0	6.5
PROTYME (ABT-99-4.625)	7.0	8.0	6.7	5.3	6.7	6.7	6.3	7.3	6.5
RADIANT	8.0	6.3	7.0	6.0	7.0	6.3	6.0	6.7	6.5
ABT-99-4.815	6.0	7.3	6.7	5.7	7.0	6.3	6.3	6.7	6.4
CATALINA	5.3	7.3	6.7	5.3	7.0	6.7	6.0	7.0	6.4
CATALINA II (PST-CATS)	6.0	7.7	7.3	5.0	7.3	6.3	6.0	6.3	6.4
CATHEDRAL II	5.7	6.7	6.3	5.7	7.0	6.0	7.0	6.7	6.4
LINE DRIVE	5.3	7.3	6.3	6.0	7.0	6.7	6.0	6.3	6.4
MANHATTAN 3	5.3	8.0	6.7	5.0	7.3	6.0	7.0	6.3	6.4
MP88	5.7	5.0	6.7	6.3	6.7	6.3	6.3	6.3	6.4
PR 1-94 (PICK PR 1-94)	7.7	7.0	6.7	5.0	7.7	6.3	6.3	6.7	6.4
PLEASURE XL	5.7	6.3	6.0	5.7	7.3	6.7	6.3	6.3	6.4
PST-2CRR	6.0	7.3	6.7	5.7	6.7	6.7	6.3	6.7	6.4
SRX 4120	3.3	8.0	6.7	5.3	6.7	6.7	6.0	7.0	6.4
EP53	5.7	6.0	6.7	5.3	7.3	6.0	6.3	6.3	6.3
MP103	5.7	6.0	6.7	5.3	6.7	5.7	6.7	6.7	6.3
PROSPORT (AG-P981)	5.3	7.3	7.0	4.3	7.3	7.0	5.7	6.3	6.3
WILMINGTON	8.3	6.7	6.3	5.3	7.0	6.0	6.3	6.7	6.3
ALLSPORT	5.7	7.3	6.7	5.7	7.0	6.7	5.0	6.0	6.2
EXTREME (JR-317)	5.0	7.3	6.7	5.3	7.0	6.3	6.3	5.7	6.2
HEADSTART	5.0	7.3	6.7	5.3	7.0	5.3	6.0	6.7	6.2
IQ (CIS-PR-75)	7.3	7.0	5.7	5.0	7.3	6.0	6.3	7.0	6.2

TABLE 18. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT UNIVERSITY PARK, PA 1/
2003 DATA

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

NAME	GENETIC COLOR	BROWN PATCH		QUALITY RATINGS						MEAN
		WARM TEMP.	MAY	JUN	JUL	AUG	SEP	OCT		
MONTEREY II (JR-187)	5.7	7.3	6.3	6.0	6.7	6.0	5.3	7.0	6.2	
PANTHER	5.0	7.7	5.7	5.3	7.0	5.7	6.7	6.7	6.2	
PARADIGM (APR 1236)	3.7	8.3	6.3	6.0	7.0	6.3	6.0	5.3	6.2	
PASSPORT	5.3	6.3	7.0	5.3	7.0	5.7	6.3	6.0	6.2	
PREMIER	4.0	7.0	6.7	5.3	6.0	6.7	6.0	6.3	6.2	
LS 2100 (PST-2SBE)	6.3	7.0	5.7	4.7	7.0	7.0	6.7	6.3	6.2	
RACER	5.0	8.0	6.3	5.3	7.3	6.3	5.7	6.3	6.2	
ABT-99-4.600	4.7	7.7	6.3	4.3	7.3	6.7	6.0	6.0	6.1	
CAS-LP84	6.3	6.7	6.3	6.0	6.7	5.7	5.7	6.3	6.1	
MEPY	6.3	5.7	6.3	5.3	7.0	5.3	6.0	6.3	6.1	
MP107	6.3	5.7	6.0	5.3	7.0	6.0	6.3	6.0	6.1	
PICK PRNGS	5.3	7.3	5.7	5.3	6.7	6.3	6.0	6.7	6.1	
SKYHAWK	6.7	7.0	5.3	5.3	7.3	5.7	6.0	6.7	6.1	
PEARL II (EPD)	6.7	6.3	5.7	6.0	7.0	6.0	5.7	5.7	6.0	
APR 1232	3.7	7.0	5.3	4.0	6.3	6.0	6.7	7.0	5.9	
MDP	7.0	6.3	6.0	5.3	6.7	5.7	5.3	6.7	5.9	
PICK EX2	3.0	8.0	6.3	5.3	6.7	6.3	5.7	5.3	5.9	
APR 1231	3.3	6.7	6.0	4.3	6.0	6.3	6.0	6.0	5.8	
BY-100	4.3	7.0	6.0	5.3	5.7	6.3	5.7	6.0	5.8	
CHARGER II	4.3	7.3	5.7	4.7	6.7	6.0	6.0	6.0	5.8	
KOOS R-71	3.3	7.3	6.0	5.0	6.0	6.3	6.0	5.7	5.8	
SUPERSTAR (EP57)	7.3	6.3	5.7	5.0	6.7	5.7	5.3	6.3	5.8	
WVPB-R-84	3.3	8.3	6.7	5.3	6.0	6.0	5.7	5.3	5.8	
APR 1235	4.7	7.0	6.0	3.7	6.3	6.0	6.0	6.3	5.7	
EDGE	3.7	7.3	5.7	5.0	6.3	5.3	5.7	6.3	5.7	
LPR 98-143	5.3	6.0	6.3	5.3	6.3	5.0	5.7	5.7	5.7	
LPR 98-144	6.0	7.3	6.0	4.7	6.7	5.3	4.7	6.7	5.7	
AFFINITY	4.3	8.0	6.0	5.0	6.3	5.7	5.0	5.7	5.6	
PHANTOM	6.3	6.3	5.0	4.7	7.0	5.3	5.0	6.7	5.6	
WVPB-R-82	3.3	7.3	6.7	5.0	6.0	5.3	5.0	5.7	5.6	
PROWLER (APR 777)	3.3	6.0	5.7	3.0	5.7	5.0	6.7	6.3	5.4	
YATSUGREEN	2.7	8.7	5.0	4.0	6.0	6.0	6.0	5.7	5.4	
BUCCANEER	3.3	7.7	5.3	4.0	5.7	6.0	5.3	5.3	5.3	
DP 17-9391	2.3	5.7	6.0	4.0	6.0	5.0	5.0	5.0	5.2	
RENAISSANCE (APR 1233)	4.0	6.3	6.0	4.0	4.7	5.0	5.7	5.7	5.2	
APR 1234	2.3	7.3	6.0	4.3	5.0	5.3	4.7	5.3	5.1	
DP LP-1	3.7	6.7	5.0	3.7	5.7	5.3	4.7	5.0	4.9	
DP 17-9069	3.7	6.0	4.7	3.0	4.7	5.3	4.7	5.7	4.7	
DP 17-9496	3.3	7.7	4.0	3.3	4.7	5.7	4.3	5.0	4.5	
LINN	3.7	4.7	2.0	2.0	2.3	1.3	1.3	2.0	1.8	
LSD VALUE	1.3	2.1	1.6	1.5	0.9	1.3	1.2	1.2	0.7	
C.V. (%)	15.3	13.0	13.4	15.9	8.5	12.0	11.8	11.2	7.1	

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 19.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT QUEBEC CITY, QE (CANADA) 1/
2003 DATA

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

NAME	GENETIC	SPRING	DENSITY	DENSITY	DENSITY	QUALITY RATINGS						MEAN
	COLOR	GREENUP	SPRING	SUMMER	FALL	MAY	JUN	JUL	AUG	SEP	OCT	
APR 1231	7.0	2.7	5.7	6.0	6.0	4.0	5.3	7.0	6.7	6.7	6.0	5.9
APR 1232	7.0	2.7	5.7	6.0	6.0	4.3	5.3	6.0	6.7	7.0	6.0	5.9
ABT-99-4.115	6.7	2.3	5.7	6.0	5.7	4.3	5.0	6.3	7.0	6.7	5.3	5.8
CITATION FORE (PST-2BR)	7.0	2.7	5.7	6.0	6.0	5.0	5.0	6.3	6.3	6.3	5.7	5.8
JET	6.7	2.3	6.0	6.0	6.0	4.3	5.3	6.3	6.7	6.3	5.7	5.8
LPR 98-144	7.0	2.0	5.7	6.0	6.0	4.3	5.7	6.7	6.3	6.7	5.0	5.8
MONTEREY II (JR-187)	7.0	2.7	5.7	6.0	6.0	4.3	5.0	6.3	6.7	6.7	6.0	5.8
SR 4500	7.0	2.7	5.7	6.0	5.7	4.0	5.3	6.3	6.7	7.0	5.7	5.8
STELLAR (CIS-PR-72)	7.0	2.3	5.0	5.7	5.7	4.7	5.0	6.3	6.3	6.7	6.0	5.8
ARRIVAL (CIS-PR-84)	7.0	2.3	5.7	6.0	6.0	4.7	5.3	6.0	6.7	6.3	5.0	5.7
BRIGHTSTAR II	7.0	2.7	5.3	6.0	5.7	4.3	5.0	6.0	6.7	6.7	5.3	5.7
CALYPSO II	6.7	2.0	5.0	6.0	6.0	4.3	5.3	6.0	6.7	6.3	5.3	5.7
CATALINA II (PST-CATS)	7.3	3.3	5.7	6.0	6.0	4.7	5.0	6.7	6.7	6.0	5.0	5.7
CHARISMATIC (LTP 98-501)	7.0	2.3	5.0	6.0	6.0	4.3	5.0	6.0	6.7	6.3	5.7	5.7
CHURCHILL	7.0	2.7	5.3	6.0	6.0	4.3	5.3	6.0	6.7	6.3	5.7	5.7
DLF-LDD	7.0	2.3	5.7	6.0	5.7	4.3	5.3	6.3	6.3	6.3	5.3	5.7
ELFKIN	7.0	2.3	5.3	6.0	6.0	4.0	5.3	6.0	7.0	6.3	5.7	5.7
INSPIRE (R8000)	7.0	3.0	5.3	6.0	6.0	4.3	5.0	6.3	6.7	6.3	5.3	5.7
PREMIER II	7.0	2.3	5.7	6.0	5.7	4.3	5.0	6.0	6.7	6.7	5.7	5.7
SALINAS (PST-2SLX)	7.0	2.7	5.3	6.0	6.0	4.3	4.7	6.3	6.7	6.7	5.7	5.7
SUNKISSED (ABT-99-4.834)	7.0	2.7	6.0	6.0	6.0	4.3	5.0	6.0	6.7	6.7	5.7	5.7
YATSUGREEN	6.0	3.0	5.0	6.0	6.0	4.0	5.0	6.7	6.3	6.7	5.7	5.7
ABT-99-4.339	7.0	2.3	5.3	6.0	6.0	4.3	5.3	6.0	6.3	6.3	5.3	5.6
AFFIRMED	7.0	2.3	5.3	6.0	5.7	4.3	5.0	6.3	6.0	6.0	5.7	5.6
APPLAUD (PENNINGTON-11301)	7.0	2.3	5.7	6.0	5.7	4.0	5.0	6.0	6.7	6.3	5.7	5.6
APR 776	7.0	2.7	5.7	5.7	5.7	4.3	5.0	6.3	6.3	6.3	5.3	5.6
BARLENNIUM	7.0	2.3	5.3	6.0	6.0	4.3	4.7	6.3	6.7	6.7	5.0	5.6
BUCCANEER	6.3	3.0	5.0	5.7	5.7	4.7	4.7	6.0	6.0	6.3	5.7	5.6
DP 17-9496	6.7	2.7	5.3	5.7	5.7	4.3	5.3	5.7	6.0	6.3	5.7	5.6
FIESTA 3	6.7	2.3	5.3	5.7	6.0	4.3	4.7	6.0	6.7	6.3	5.3	5.6
GATOR 3 (CIS-PR-85)	7.0	2.3	5.3	6.0	6.0	4.3	5.0	5.7	6.7	6.3	5.3	5.6
MACH 1 (ROBERTS-627)	7.0	2.3	5.3	6.0	5.7	4.7	5.0	6.0	6.3	6.3	5.3	5.6
PARAGON	7.0	2.3	5.7	6.0	6.0	4.7	5.0	6.0	6.0	6.3	5.7	5.6
PICK PRNGS	6.7	2.3	5.0	6.0	5.7	4.0	4.7	6.3	6.7	6.3	5.7	5.6
PST-2JH	7.0	2.3	5.3	6.0	6.0	4.3	5.3	6.3	6.3	6.3	5.0	5.6
PST-2LA	7.0	2.3	6.0	6.0	6.0	4.3	5.0	6.0	6.0	6.7	5.3	5.6
PST-2RT	7.0	2.3	5.7	6.0	6.0	4.3	5.3	5.7	6.3	6.3	5.3	5.6
RACER II (PICK RC2)	7.0	2.0	5.3	6.0	6.0	4.3	5.0	6.3	6.7	6.3	5.0	5.6
SECRETARIAT	6.0	2.3	5.7	6.0	5.7	4.3	5.0	6.3	6.3	6.3	5.3	5.6
SR 4350 (APR 1237)	7.0	2.3	5.3	6.0	6.0	4.7	5.0	6.0	6.3	6.3	5.3	5.6
TERRADYNE (A5C)	7.3	2.3	5.7	6.0	6.3	4.3	5.3	6.3	6.0	6.3	5.3	5.6
WILMINGTON	7.0	3.0	5.3	5.3	5.7	4.7	5.3	5.7	6.3	6.3	5.0	5.6
ABT-99-4.464	7.0	2.7	5.7	6.0	6.0	4.3	5.0	6.0	6.3	6.3	5.0	5.5
ABT-99-4.560	7.0	2.0	5.3	6.0	6.0	4.3	5.0	5.7	6.3	6.3	5.3	5.5
ABT-99-4.965	7.3	2.7	5.7	6.0	6.0	4.7	4.7	6.0	6.3	6.0	5.3	5.5
ALL STAR2 (CIS-PR-78)	7.0	2.0	5.7	6.0	6.0	4.3	4.7	6.0	6.7	6.0	5.3	5.5
ALLSPORT	7.3	2.3	5.7	6.0	6.0	4.3	4.7	6.3	6.7	6.0	5.0	5.5

TABLE 19. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT QUEBEC CITY, QE (CANADA) 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	QUALITY RATINGS						MEAN
						MAY	JUN	JUL	AUG	SEP	OCT	
BRIGHTSTAR SLT (PST-2A6B)	7.0	2.7	5.3	6.0	6.0	4.3	5.0	5.7	6.3	6.3	5.3	5.5
DAZZLE (ABT-99-4.724)	7.0	3.0	5.3	6.0	6.0	4.7	5.0	6.0	6.0	6.3	5.0	5.5
DP 17-9069	6.3	2.0	5.0	6.0	6.3	3.7	4.7	6.3	6.3	6.3	5.7	5.5
GALLERY (MB 412)	7.3	2.3	5.7	6.0	6.0	4.3	5.0	6.3	6.3	6.0	5.0	5.5
ICON (MB 414)	6.7	3.0	5.7	5.7	6.0	4.3	4.7	5.7	6.7	6.0	5.7	5.5
JR-128	7.0	2.0	5.7	6.0	6.0	4.0	5.0	6.0	6.3	6.3	5.3	5.5
LINE DRIVE	7.0	2.0	5.3	5.7	5.7	3.7	5.0	6.3	6.7	6.3	5.0	5.5
MAJESTY	7.0	2.0	5.3	6.0	5.7	4.0	5.0	6.0	6.3	6.3	5.3	5.5
MANHATTAN 3	7.0	2.0	5.7	5.7	6.0	4.0	5.0	6.0	6.3	6.3	5.3	5.5
PACESETTER (6011)	7.0	2.7	5.7	6.0	6.0	4.3	4.7	5.7	6.0	6.7	5.7	5.5
PENTIUM (NJ-6401)	7.0	2.7	5.3	6.0	5.7	3.7	4.7	6.3	6.7	6.7	5.0	5.5
PINNACLE II (BAR 9 B2)	7.0	2.0	6.0	6.0	5.7	4.3	5.0	6.0	6.3	6.3	5.0	5.5
PROMISE	7.0	2.0	5.7	6.0	6.0	4.7	5.3	6.0	6.0	6.0	5.0	5.5
QUEST II (ABT-99-4.721)	7.0	2.0	5.3	6.0	5.7	4.0	4.7	6.0	6.7	6.3	5.3	5.5
SR 4420 (SRX 4820)	7.0	2.3	5.3	6.0	6.0	4.3	5.0	5.7	6.3	6.3	5.3	5.5
AMAZING (B1)	7.0	2.7	5.7	6.0	5.7	4.3	5.0	5.7	6.3	6.0	5.3	5.4
ASCEND	7.0	2.0	5.3	6.0	6.0	4.0	4.7	6.0	6.3	6.0	5.3	5.4
CHARGER II	7.0	2.3	5.7	6.0	6.0	4.3	4.7	6.0	6.3	6.0	5.0	5.4
DIVINE	6.7	2.3	5.3	6.0	5.7	3.7	4.7	6.3	6.3	6.3	5.3	5.4
EDGE	6.3	2.0	5.0	6.0	6.0	4.3	5.3	6.3	6.0	6.0	4.7	5.4
HAWKEYE (SRX 4RHT)	7.3	2.0	6.0	6.0	6.3	4.3	5.0	5.7	6.3	6.3	5.0	5.4
MANHATTAN 4 (PST-2CRL)	6.7	2.0	5.7	5.7	6.0	4.0	5.0	5.7	6.3	6.0	5.3	5.4
PARADIGM (APR 1236)	7.0	3.0	5.7	6.0	6.3	5.0	4.3	6.0	6.0	6.3	5.0	5.4
PICK PR B-97	7.7	2.3	5.7	6.0	6.0	4.7	4.7	6.0	6.0	6.3	4.7	5.4
PIZZAZZ	7.0	2.7	4.3	6.0	6.0	4.3	4.7	6.0	6.3	6.0	5.3	5.4
PROTYME (ABT-99-4.625)	6.7	2.7	5.3	5.7	5.7	4.3	4.7	6.0	6.0	6.0	5.3	5.4
PST-2CRR	7.0	3.0	5.7	5.7	5.7	4.7	5.3	5.7	6.0	6.0	5.0	5.4
PST-2M4	7.0	2.3	5.3	6.0	6.0	4.3	4.7	6.3	5.7	6.3	5.0	5.4
LS 2100 (PST-2SBE)	6.7	3.0	6.0	6.0	6.0	4.3	5.3	5.7	6.0	6.0	5.0	5.4
RACER	7.0	2.7	5.3	6.0	6.0	4.0	5.0	6.0	6.3	6.0	5.3	5.4
SPLendid (MB 411)	6.7	2.0	5.7	6.0	6.0	4.0	5.0	6.0	6.3	6.0	5.0	5.4
SR 4220 (SRX 4801)	7.0	2.3	5.7	6.0	5.7	4.0	4.7	6.0	6.3	6.3	5.3	5.4
SRX 4120	7.0	2.7	5.7	6.0	6.0	4.3	4.7	6.0	6.3	6.3	5.0	5.4
SUMMERSET (MB 413)	7.0	2.0	5.7	6.0	6.0	4.3	4.7	6.0	6.3	6.3	5.0	5.4
WVPB-R-84	6.7	2.7	5.0	5.7	5.7	4.7	4.7	6.0	6.3	6.0	4.7	5.4
ABT-99-4.600	7.0	2.0	5.3	6.0	5.7	4.0	4.3	6.0	6.0	6.3	5.0	5.3
AFFINITY	6.0	2.7	5.3	6.0	5.7	4.3	4.7	6.3	5.7	6.3	4.7	5.3
BLAZER IV (PICK MDR)	7.0	2.3	5.7	6.0	5.7	4.0	4.7	6.0	6.0	6.3	5.0	5.3
COURAGE (MB 410)	7.0	2.0	5.3	6.0	5.7	3.7	4.3	5.7	6.3	6.3	5.3	5.3
EXACTA	7.0	2.0	5.7	6.0	6.0	4.0	4.7	5.7	6.3	6.0	5.0	5.3
IQ (CIS-PR-75)	7.3	2.3	6.0	6.0	6.0	4.3	5.0	5.7	6.0	6.0	4.7	5.3
KOOS R-71	7.0	2.0	4.7	6.0	6.0	4.0	5.0	6.0	6.0	6.0	4.7	5.3
PICK EX2	7.0	2.0	5.7	5.7	6.0	4.0	4.3	5.7	6.3	6.3	5.3	5.3
PROWLER (APR 777)	7.0	2.0	5.0	6.0	6.0	3.3	4.7	6.0	6.0	6.3	5.3	5.3
RADIANT	7.0	2.0	5.0	6.0	6.0	4.0	4.7	6.0	6.0	6.0	5.0	5.3
ABT-99-4.815	7.0	2.3	5.3	6.0	6.0	4.0	4.7	6.0	6.0	6.0	4.7	5.2
APR 1235	7.0	2.0	5.3	6.0	6.0	3.7	4.3	6.0	6.0	6.0	5.0	5.2

TABLE 19. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT QUEBEC CITY, QE (CANADA) 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	DENSITY SUMMER	DENSITY FALL	QUALITY RATINGS						MEAN
						MAY	JUN	JUL	AUG	SEP	OCT	
CATHEDRAL II	7.0	2.3	5.7	6.0	6.0	3.3	4.3	6.0	6.0	6.7	5.0	5.2
CRUISER (ABT-99-4.709)	7.0	2.0	5.3	6.0	5.7	4.3	4.3	5.7	6.0	6.0	5.0	5.2
DP 17-9391	6.0	3.0	5.0	5.7	6.0	4.0	4.3	6.3	6.0	6.0	4.7	5.2
EP53	7.0	2.3	5.3	6.0	6.0	4.0	5.0	5.7	5.7	6.0	4.7	5.2
GRAND SLAM 2L96 (PST-2L96)	7.0	2.3	5.3	5.7	5.7	4.0	4.7	5.7	6.0	5.7	5.0	5.2
HEADSTART	7.0	2.0	5.3	6.0	6.0	4.0	4.7	5.7	6.0	6.0	5.0	5.2
LINN	6.7	2.0	5.3	5.7	5.7	4.0	5.0	6.0	5.7	6.0	4.7	5.2
LPR 98-143	6.7	2.0	5.0	6.0	6.0	4.3	4.7	5.7	6.0	5.7	5.0	5.2
LTP-ME	7.0	2.3	5.3	6.0	6.0	4.0	4.7	6.0	6.0	6.0	4.3	5.2
MDP	7.0	3.0	5.7	6.0	6.0	4.3	5.0	5.7	6.0	6.0	4.3	5.2
MEPY	7.0	2.0	6.0	6.0	6.0	4.0	5.0	6.0	5.7	6.0	4.3	5.2
PR 1-94 (PICK PR 1-94)	7.0	2.0	5.3	6.0	6.0	4.0	4.7	5.7	6.0	6.3	4.7	5.2
PICK PR QH-97	7.0	2.3	5.3	6.0	6.0	4.0	5.0	5.7	6.0	6.0	4.7	5.2
RENAISSANCE (APR 1233)	7.0	2.0	5.3	6.0	6.0	3.3	4.3	6.0	6.3	6.0	5.0	5.2
ADMIRE (JR-151)	6.0	2.0	5.3	6.0	6.0	3.7	4.3	6.0	6.0	6.0	4.7	5.1
CABO (CIS-PR-80)	7.0	2.3	5.3	6.0	5.7	4.3	4.3	5.7	5.7	6.0	4.3	5.1
CAS-LP84	7.0	2.0	5.3	6.0	6.0	4.0	4.7	6.0	5.7	5.7	4.3	5.1
CATALINA	7.0	2.3	5.0	6.0	5.7	4.3	4.3	6.0	5.7	5.7	4.3	5.1
EXTREME (JR-317)	7.0	2.0	5.7	6.0	6.0	4.7	4.3	5.3	5.7	6.0	4.3	5.1
KOKOMO (CIS-PR-69)	7.0	2.3	5.0	6.0	6.0	3.7	4.3	5.7	5.7	6.0	5.0	5.1
MP88	7.0	2.3	5.7	6.0	6.0	4.3	4.3	5.7	6.0	6.0	4.3	5.1
NEXUS	7.0	2.3	5.3	6.0	6.0	4.0	4.7	5.3	6.0	5.7	5.0	5.1
PALMER III	7.0	2.3	5.0	6.0	6.0	4.3	5.0	6.0	5.3	5.7	4.0	5.1
PASSPORT	7.0	2.3	5.3	6.0	6.0	4.3	5.0	5.7	5.7	5.7	4.3	5.1
PLEASURE XL	7.0	2.0	5.3	6.0	6.0	4.0	4.0	6.0	6.0	6.0	4.7	5.1
PREMIER	6.3	2.7	5.0	5.7	6.0	3.7	5.0	5.3	6.0	6.0	4.7	5.1
SEVILLE II	7.0	2.0	5.0	6.0	6.0	3.7	4.0	6.0	6.0	6.0	5.0	5.1
SKYHAWK	7.0	2.0	5.3	6.0	5.7	3.7	4.7	6.0	6.0	6.0	4.3	5.1
WVPB-R-82	6.0	2.3	5.7	6.0	6.0	4.3	5.0	5.7	5.0	5.7	4.7	5.1
APR 1234	6.7	2.0	5.0	6.0	6.0	3.7	4.0	6.0	6.0	6.0	4.3	5.0
BY-100	6.3	2.0	5.3	6.0	5.3	4.0	5.0	5.7	5.3	5.7	4.3	5.0
PEARL II (EPD)	7.0	2.3	5.3	6.0	6.0	4.0	4.3	5.7	5.7	6.0	4.3	5.0
PANTHER	6.3	2.3	5.7	6.0	6.0	4.7	4.7	5.3	5.0	6.0	4.3	5.0
PROSPORT (AG-P981)	7.0	3.0	5.7	5.7	6.0	4.3	4.3	5.3	5.3	5.7	5.0	5.0
SUPERSTAR (EP57)	7.0	2.0	5.7	5.7	6.0	3.7	4.7	6.0	5.7	5.7	4.3	5.0
DP LP-1	6.3	2.0	5.3	5.7	5.7	4.0	4.7	5.7	4.7	6.0	4.3	4.9
MP107	7.0	2.3	5.0	6.0	6.0	4.0	4.3	5.3	5.7	5.7	4.3	4.9
MP103	7.0	2.0	5.3	6.0	5.7	4.0	4.7	5.3	5.0	5.3	4.3	4.8
PENNANT II	7.0	2.0	5.0	6.0	6.0	4.0	4.7	6.0	4.7	5.7	3.7	4.8
PHANTOM	7.0	2.0	5.0	6.0	6.0	4.0	4.3	5.7	5.3	5.3	4.3	4.8
LSD VALUE	0.5	1.8	2.2	1.0	1.5	2.7	2.9	1.6	1.1	1.2	1.3	1.0
C.V. (%)	4.0	22.2	9.3	3.8	5.2	13.2	12.2	7.9	8.7	7.2	12.0	6.7

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 20.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT BROOKINGS, SD 1/
2003 DATA

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

NAME	GENETIC COLOR	PERCENT				QUALITY RATINGS							MEAN
		COVER SPRING	COVER FALL	WINTER KILL	APR	MAY	JUN	JUL	AUG	SEP	OCT		
HAWKEYE (SRX 4RHT)	5.0	38.3	81.7	61.7	2.3	2.0	5.0	5.7	6.7	7.3	6.7	5.1	
PREMIER II	5.0	30.0	58.3	55.0	2.0	3.0	5.0	5.5	6.5	7.0	6.5	5.1	
APPLAUD (PENNINGTON-11301)	5.7	40.0	86.7	60.0	2.3	2.7	5.0	5.3	6.3	7.0	6.7	5.0	
ABT-99-4.115	4.7	48.3	94.7	51.7	2.0	3.3	4.7	5.3	6.0	6.3	6.3	4.9	
ABT-99-4.965	6.3	60.0	94.7	40.0	2.3	3.0	5.0	5.0	6.0	7.0	6.0	4.9	
ARRIVAL (CIS-PR-84)	7.0	15.0	26.7	77.0	2.0	3.0	5.0	5.0	6.0	7.0	6.0	4.9	
BLAZER IV (PICK MDR)	7.3	45.0	89.7	55.0	2.7	3.0	4.0	5.0	6.0	6.7	6.7	4.9	
JET	6.3	41.7	83.3	58.3	3.0	2.7	4.3	5.0	6.0	7.0	6.0	4.9	
ASCEND	6.3	40.0	76.7	60.0	2.3	2.7	4.3	5.0	6.0	6.7	6.3	4.8	
CHURCHILL	5.0	31.7	73.3	68.3	2.7	3.0	4.0	5.0	6.0	7.0	6.0	4.8	
FIESTA 3	5.0	33.3	76.7	65.0	3.0	3.0	4.3	5.0	6.0	6.3	6.0	4.8	
GATOR 3 (CIS-PR-85)	5.7	33.3	70.0	66.7	2.7	2.7	4.3	5.0	6.0	7.0	6.0	4.8	
KOKOMO (CIS-PR-69)	6.7	46.7	93.0	53.3	3.0	2.3	4.0	5.0	6.0	6.7	6.3	4.8	
MACH 1 (ROBERTS-627)	7.3	36.7	76.7	63.3	2.3	2.7	4.3	5.0	6.0	7.0	6.0	4.8	
PACESETTER (6011)	5.0	41.7	85.0	58.3	2.7	3.0	4.0	5.0	6.0	7.0	6.0	4.8	
PICK PR QH-97	7.7	48.3	86.7	51.7	2.7	2.3	4.7	5.0	6.0	7.0	6.0	4.8	
SUNKISSED (ABT-99-4.834)	7.0	45.0	88.3	55.0	2.3	3.0	4.0	5.0	6.0	7.0	6.0	4.8	
AMAZING (B1)	6.7	35.0	81.7	65.0	2.3	2.7	4.0	5.0	6.0	7.0	6.0	4.7	
BRIGHTSTAR SLT (PST-2A6B)	7.0	38.3	83.3	61.7	2.0	2.7	4.3	5.0	6.0	7.0	6.0	4.7	
COURAGE (MB 410)	5.0	48.3	88.3	51.7	2.3	3.0	4.0	5.0	6.0	6.7	6.0	4.7	
INSPIRE (R8000)	6.3	40.0	80.0	60.0	2.0	2.7	4.3	5.0	6.0	6.7	6.0	4.7	
NEXUS	6.3	46.7	86.7	53.3	2.3	2.3	4.0	5.0	6.0	7.0	6.0	4.7	
PST-2LA	5.7	25.0	68.3	73.3	3.0	3.0	4.3	4.7	5.7	6.7	5.7	4.7	
SALINAS (PST-2SLX)	6.0	25.0	56.7	62.5	2.5	2.5	4.0	5.0	6.0	7.0	6.0	4.7	
TERRADYNE (ASC)	6.3	53.3	96.3	46.7	2.3	3.3	4.3	4.7	5.7	6.7	6.0	4.7	
WILMINGTON	7.5	30.0	56.7	55.0	2.5	2.0	4.5	5.0	6.0	7.0	6.0	4.7	
AFFIRMED	5.0	31.7	58.3	52.5	2.5	2.5	4.0	5.0	6.0	6.5	6.0	4.6	
ALL STAR2 (CIS-PR-78)	7.0	38.3	85.0	61.7	2.3	2.3	4.0	5.0	6.0	6.7	6.0	4.6	
CATHEDRAL II	5.0	28.3	58.3	57.5	2.0	2.5	4.5	5.0	6.0	6.5	6.0	4.6	
CHARISMATIC (LTP 98-501)	6.5	28.3	56.7	71.3	2.5	3.0	4.5	4.5	5.5	6.5	5.5	4.6	
DAZZLE (ABT-99-4.724)	5.0	33.3	86.7	66.7	2.3	2.3	4.3	4.7	5.7	6.7	6.3	4.6	
ELFKIN	5.0	41.7	90.0	58.3	2.7	2.3	4.0	4.7	5.7	6.3	6.3	4.6	
EXACTA	5.0	43.3	88.3	56.7	2.7	2.7	3.7	4.7	6.0	6.7	6.0	4.6	
LPR 98-144	3.7	45.0	71.3	53.3	2.7	3.0	4.7	4.7	5.7	6.0	5.7	4.6	
MANHATTAN 4 (PST-2CRL)	5.0	40.0	78.3	60.0	2.3	2.3	4.0	5.0	6.0	6.7	6.0	4.6	
PARAGON	5.3	41.7	90.0	58.3	2.3	2.3	4.0	5.0	6.0	6.7	6.0	4.6	
PINNACLE II (BAR 9 B2)	7.3	33.3	80.0	66.7	2.3	2.0	4.0	5.0	6.0	6.7	6.0	4.6	
QUEST II (ABT-99-4.721)	5.0	45.0	88.3	55.0	2.0	2.7	4.0	5.0	6.0	6.3	6.0	4.6	
SPLendid (MB 411)	6.3	43.3	90.0	56.7	2.0	2.7	4.0	5.0	6.0	6.7	6.0	4.6	
SR 4420 (SRX 4820)	5.0	43.3	86.7	56.7	2.3	2.7	4.0	4.7	5.7	6.7	6.0	4.6	
STELLAR (CIS-PR-72)	5.0	60.0	94.7	40.0	2.3	2.3	4.3	4.7	5.7	6.7	6.0	4.6	
CAS-LP84	6.3	50.0	83.3	48.3	2.7	2.7	4.0	4.7	5.7	6.0	5.7	4.5	
DLF-LDD	6.0	36.7	86.7	63.3	2.3	2.7	3.7	4.7	5.7	6.7	5.7	4.5	
GALLERY (MB 412)	7.7	36.7	85.0	63.3	3.0	2.3	3.7	4.7	5.7	6.3	6.0	4.5	
HEADSTART	4.5	23.3	30.0	62.5	3.0	3.0	3.5	4.5	5.5	6.5	5.5	4.5	
IQ (CIS-PR-75)	5.0	40.0	83.3	60.0	2.3	2.7	3.7	4.7	5.7	6.7	5.7	4.5	
MDP	7.3	40.0	75.0	58.3	2.3	2.7	3.7	4.7	5.7	6.7	5.7	4.5	

TABLE 20. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT BROOKINGS, SD 1/
2003 DATA

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

NAME	GENETIC COLOR	PERCENT				QUALITY RATINGS							MEAN
		COVER SPRING	COVER FALL	COVER WINTER KILL	APR	MAY	JUN	JUL	AUG	SEP	OCT		
MEPY	7.0	35.0	66.7	65.0	2.7	2.3	3.7	4.7	5.7	6.7	5.7	4.5	
MP107	6.0	45.0	88.3	55.0	2.7	2.7	3.7	4.7	5.7	6.3	5.7	4.5	
PALMER III	5.0	41.7	91.7	58.3	2.7	2.7	4.0	4.7	5.7	6.3	5.7	4.5	
PENTIUM (NJ-6401)	5.3	31.7	73.3	68.3	2.7	2.3	3.7	4.7	5.7	6.7	6.0	4.5	
PICK PR B-97	7.7	36.7	81.7	63.3	2.3	2.3	4.0	5.0	5.7	6.0	6.0	4.5	
RADIANT	6.3	46.7	86.7	51.7	2.3	2.7	3.7	4.7	5.7	6.7	5.7	4.5	
SR 4220 (SRX 4801)	6.0	38.3	75.0	58.3	2.7	2.7	3.7	4.7	5.7	6.3	6.0	4.5	
ABT-99-4.339	5.0	35.0	85.0	65.0	2.3	2.7	3.7	4.7	5.7	5.7	6.0	4.4	
ABT-99-4.464	5.0	38.3	85.0	61.7	2.0	2.7	4.0	4.7	5.7	6.3	5.7	4.4	
ABT-99-4.600	5.3	46.7	95.0	53.3	2.7	2.7	3.7	4.3	5.7	6.3	5.7	4.4	
ABT-99-4.815	4.7	48.3	91.3	51.7	2.3	3.0	4.0	4.7	5.3	5.7	5.7	4.4	
CATALINA	5.0	41.7	80.0	58.3	2.3	2.7	3.7	4.7	5.7	6.7	5.3	4.4	
CITATION FORE (PST-2BR)	5.0	28.3	58.3	71.3	2.0	3.0	3.5	4.5	5.5	6.5	5.5	4.4	
EXTREME (JR-317)	6.0	50.0	88.3	50.0	2.3	2.7	4.3	4.7	5.3	6.0	5.7	4.4	
LPR 98-143	5.0	28.3	61.7	71.7	2.3	2.7	3.7	4.7	5.7	6.0	5.7	4.4	
LTP-ME	5.0	43.3	86.7	55.0	2.3	2.3	3.7	4.7	5.7	6.0	6.0	4.4	
MAJESTY	5.0	43.3	80.0	56.7	2.7	2.7	3.7	4.7	5.7	5.7	5.7	4.4	
MP103	6.3	45.0	91.7	55.0	2.3	2.7	3.7	4.7	5.7	6.0	5.7	4.4	
PANTHER	5.0	43.3	85.0	56.7	2.7	2.3	3.7	4.7	5.7	6.3	5.7	4.4	
PR 1-94 (PICK PR 1-94)	5.0	40.0	76.7	60.0	3.0	2.0	3.7	4.7	5.3	6.0	6.0	4.4	
PIZZAZZ	7.3	38.3	83.3	61.7	2.0	2.3	3.7	4.3	5.7	6.3	6.3	4.4	
PST-2JH	6.3	45.0	90.0	55.0	2.7	2.0	3.7	4.7	5.7	6.3	5.7	4.4	
LS 2100 (PST-2SBE)	6.0	30.0	58.3	55.0	3.0	2.0	3.5	4.5	5.5	6.5	5.5	4.4	
SEVILLE II	5.0	30.0	55.0	69.7	2.5	3.0	3.5	4.5	5.5	6.0	5.5	4.4	
APR 776	5.0	48.3	89.7	51.7	3.0	2.7	3.3	4.3	5.3	6.0	5.3	4.3	
BRIGHTSTAR II	6.3	35.0	73.3	65.0	2.0	2.7	3.3	4.3	5.3	6.3	6.0	4.3	
CALYPSO II	4.5	26.7	56.7	60.0	3.0	2.5	3.5	4.5	5.0	5.5	6.0	4.3	
DIVINE	4.3	45.0	86.7	55.0	2.0	2.3	3.7	4.7	5.7	6.0	5.7	4.3	
GRAND SLAM 2L96 (PST-2L96)	6.3	40.0	86.7	60.0	2.3	3.0	3.3	4.3	5.3	6.3	5.7	4.3	
MANHATTAN 3	5.0	46.7	90.0	53.3	2.0	2.7	3.7	4.7	5.7	6.3	5.3	4.3	
PARADIGM (APR 1236)	5.7	46.7	83.3	53.3	3.0	2.7	3.3	4.3	5.3	6.3	5.3	4.3	
PROMISE	5.0	45.0	91.7	53.3	3.0	2.3	3.3	4.3	5.3	6.0	5.7	4.3	
PST-2CRR	5.0	48.3	91.3	50.0	3.0	2.7	3.7	4.3	5.3	6.0	5.3	4.3	
PST-2RT	5.3	43.3	93.3	56.7	3.0	2.3	3.3	4.3	5.3	6.0	5.7	4.3	
RACER II (PICK RC2)	5.0	45.0	90.0	55.0	2.0	2.3	3.7	4.7	5.7	6.0	5.7	4.3	
SR 4350 (APR 1237)	5.7	46.7	88.3	51.7	2.3	2.3	4.0	4.7	5.3	6.0	5.3	4.3	
SUMMERSET (MB 413)	7.3	43.3	86.7	55.0	2.0	2.3	3.3	4.3	5.7	6.3	6.0	4.3	
ABT-99-4.560	5.0	41.7	88.3	58.3	2.0	2.3	3.3	4.3	5.3	6.3	5.7	4.2	
PEARL II (EPD)	6.3	43.3	86.7	56.7	2.7	2.0	3.3	4.3	5.3	6.0	5.7	4.2	
JR-128	5.0	45.0	85.0	55.0	2.3	2.7	3.3	4.3	5.3	6.0	5.7	4.2	
MONTEREY II (JR-187)	5.0	31.7	65.0	68.3	2.7	2.3	3.3	4.3	5.3	6.0	5.3	4.2	
PASSPORT	4.0	40.0	73.3	60.0	2.3	2.3	3.7	4.3	5.3	6.3	5.3	4.2	
PENNANT II	5.0	38.3	85.0	60.0	3.0	2.7	3.3	4.3	5.0	5.7	5.3	4.2	
PLEASURE XL	7.0	43.3	81.7	51.7	2.3	2.7	3.7	4.3	5.3	6.0	5.3	4.2	
SKYHAWK	5.7	36.7	80.0	63.3	2.3	2.7	3.3	4.3	5.3	6.0	5.3	4.2	
SR 4500	4.7	45.0	86.7	53.3	2.3	2.7	3.3	4.3	5.3	6.0	5.7	4.2	
SUPERSTAR (EP57)	5.0	48.3	88.3	50.0	2.3	2.3	3.7	4.3	5.3	6.3	5.3	4.2	

TABLE 20. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT BROOKINGS, SD 1/
2003 DATA

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

NAME	GENETIC COLOR	PERCENT	PERCENT	PERCENT	QUALITY RATINGS							MEAN
		COVER SPRING	COVER FALL	WINTER KILL	APR	MAY	JUN	JUL	AUG	SEP	OCT	
BARLENNIUM	5.0	48.3	91.7	50.0	2.3	2.0	3.3	4.3	5.3	6.0	5.3	4.1
CABO (CIS-PR-80)	6.5	21.7	50.0	67.5	2.0	3.0	3.0	4.0	5.0	6.0	5.5	4.1
CATALINA II (PST-CATS)	7.0	31.7	73.3	68.3	2.7	2.0	3.3	4.3	5.3	6.3	5.0	4.1
ICON (MB 414)	7.0	35.0	73.3	63.3	2.7	2.3	3.3	4.3	5.0	6.0	5.3	4.1
PICK PRNGS	5.7	36.7	83.3	61.7	2.7	2.0	3.3	4.3	5.3	6.0	5.3	4.1
SECRETARIAT	4.3	40.0	83.3	60.0	2.3	2.7	3.7	4.7	5.0	5.0	5.7	4.1
ALLSPORT	5.0	46.7	86.7	48.3	2.3	2.0	3.7	4.3	5.0	5.7	5.0	4.0
APR 1235	6.3	30.0	75.0	70.0	2.0	2.7	3.0	4.3	5.3	5.3	5.7	4.0
BY-100	4.7	50.0	88.3	43.3	2.7	2.7	3.7	4.0	5.0	5.3	5.0	4.0
CRUISER (ABT-99-4.709)	5.0	46.7	88.3	53.3	2.7	2.7	3.0	4.0	5.0	6.0	5.0	4.0
DP 17-9391	4.7	33.3	78.3	66.7	2.7	2.3	3.3	4.3	5.0	5.7	5.0	4.0
LINE DRIVE	4.7	36.7	78.3	63.3	2.7	2.7	3.0	4.3	4.7	5.3	5.0	4.0
PICK EX2	3.7	53.3	93.0	46.7	2.0	2.7	3.7	4.3	5.0	5.7	5.0	4.0
PROSPORT (AG-P981)	4.5	30.0	60.0	69.7	2.5	2.0	3.5	4.0	5.0	6.0	5.0	4.0
PROTYME (ABT-99-4.625)	5.0	41.7	86.7	58.3	2.3	2.3	3.0	4.0	5.0	5.7	5.3	4.0
RACER	5.0	30.0	60.0	69.7	2.5	3.0	3.5	4.5	4.5	5.5	4.5	4.0
SRX 4120	3.7	46.7	88.3	51.7	3.0	2.3	3.0	4.0	5.0	5.7	5.0	4.0
DP 17-9069	3.7	48.3	90.0	51.7	2.3	2.3	3.3	4.3	4.7	5.3	4.7	3.9
EDGE	3.5	40.0	63.0	40.0	2.5	2.5	3.5	4.0	4.5	5.5	4.5	3.9
EP53	5.0	43.3	90.0	56.7	2.3	2.7	3.0	4.0	4.7	5.7	4.7	3.9
MP88	7.0	28.3	56.7	71.3	2.0	2.0	3.0	4.0	5.0	6.0	5.0	3.9
PHANTOM	6.0	50.0	91.3	50.0	2.3	2.3	3.0	4.0	5.0	5.7	5.0	3.9
PREMIER	4.0	55.0	94.7	45.0	2.3	2.7	3.3	4.0	4.7	5.3	4.7	3.9
PST-2M4	5.0	40.0	85.0	60.0	2.3	2.3	3.0	4.0	5.0	5.7	5.0	3.9
WVPB-R-84	4.3	46.7	95.0	53.3	2.3	3.0	3.0	4.0	4.7	5.3	4.7	3.9
ADMIRE (JR-151)	4.0	48.3	95.0	51.7	2.3	2.0	3.0	4.0	5.0	5.0	5.0	3.8
APR 1231	5.0	40.0	86.7	60.0	2.7	2.0	3.0	4.0	4.7	5.7	4.7	3.8
APR 1232	5.0	28.3	56.7	57.5	2.5	2.5	3.0	4.0	4.5	5.5	4.5	3.8
KOOS R-71	4.0	41.0	79.3	59.0	2.7	2.3	3.3	4.0	4.3	5.0	4.7	3.8
RENAISSANCE (APR 1233)	4.7	35.0	88.0	65.0	2.3	2.0	3.0	4.0	4.7	5.7	4.7	3.8
AFFINITY	4.3	38.3	78.3	60.0	2.0	3.0	3.0	4.0	4.3	4.7	5.0	3.7
BUCCANEER	4.3	41.7	81.7	58.3	2.3	2.3	3.3	3.7	4.3	5.3	4.3	3.7
CHARGER II	4.7	46.7	94.7	53.3	2.3	2.7	3.0	4.0	4.3	4.7	5.0	3.7
WVPB-R-82	3.0	48.3	81.3	51.7	2.7	2.3	3.3	4.0	4.3	5.0	4.3	3.7
DP LP-1	3.7	33.3	75.0	66.7	2.3	2.7	3.0	3.7	4.3	4.7	4.3	3.6
PROWLER (APR 777)	5.3	43.3	93.3	56.7	2.7	2.3	3.0	3.3	4.3	4.3	4.7	3.5
YATSUGREEN	3.7	45.0	90.0	51.7	2.3	2.3	3.0	3.7	4.0	4.3	4.3	3.4
APR 1234	4.3	36.7	88.0	56.7	2.7	2.0	3.0	3.3	3.7	4.0	4.0	3.2
DP 17-9496	3.0	38.3	86.7	60.0	2.0	2.3	2.7	2.7	3.7	3.7	4.0	3.0
LINN	3.3	25.0	63.3	75.0	2.3	2.3	2.3	2.7	2.7	2.7	3.0	2.6
LSD VALUE	1.1	52.6	96.6	34.7	2.4	2.2	1.6	1.0	1.0	1.1	1.0	0.7
C.V. (%)	13.2	32.3	27.3	18.4	20.3	19.9	18.4	11.2	10.7	10.5	10.4	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 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN, UT 1/
2003 DATA

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

NAME	GENETIC	QUALITY RATINGS								MEAN
	COLOR	APR	MAY	JUN	JUL	AUG	SEP	OCT		
FIESTA 3	6.0	4.3	6.3	6.3	5.7	6.0	6.0	6.3	5.9	
PICK EX2	5.0	4.3	6.3	6.0	6.3	6.0	6.3	6.0	5.9	
MONTEREY II (JR-187)	5.3	4.7	6.0	6.0	6.0	6.0	5.7	6.0	5.8	
BY-100	4.7	5.0	5.7	6.0	6.0	6.0	5.7	5.3	5.7	
GATOR 3 (CIS-PR-85)	6.3	4.7	7.3	6.0	5.3	5.7	5.3	5.3	5.7	
APR 1231	5.0	3.7	6.7	6.7	6.0	5.7	5.3	5.0	5.6	
DP 17-9391	3.7	4.0	6.0	6.7	5.7	5.7	5.7	5.3	5.6	
BARLENNIUM	6.7	5.3	7.0	5.3	6.0	5.3	5.0	4.7	5.5	
BUCCANEER	4.7	4.3	5.3	6.0	6.3	5.7	5.7	5.3	5.5	
DP 17-9069	3.7	3.7	6.7	6.0	6.3	5.7	5.3	5.0	5.5	
JET	6.7	4.7	6.3	5.7	5.3	5.7	5.3	5.3	5.5	
ABT-99-4.560	6.7	3.3	6.0	5.7	5.7	5.3	6.0	6.0	5.4	
AFFINITY	5.0	4.7	6.0	5.7	5.0	5.7	5.7	5.0	5.4	
CALYPSO II	6.0	4.3	6.3	5.0	5.7	5.3	5.7	5.7	5.4	
DIVINE	5.7	4.7	6.3	6.0	5.0	5.3	5.0	5.7	5.4	
PENNANT II	6.7	5.0	6.7	6.7	4.3	5.3	5.0	5.0	5.4	
PICK PRNGS	6.0	3.7	5.3	6.3	6.0	5.3	6.0	5.0	5.4	
PINNACLE II (BAR 9 B2)	6.7	4.7	6.0	5.7	5.0	5.3	5.7	5.3	5.4	
PST-2JH	5.7	4.7	7.0	5.3	5.3	5.7	5.3	4.7	5.4	
PST-2M4	5.7	4.3	6.3	5.3	5.3	5.3	5.3	5.7	5.4	
PST-2RT	5.7	4.7	6.0	6.3	5.3	5.7	5.0	5.0	5.4	
SECRETARIAT	5.0	4.7	6.0	5.7	5.3	5.7	5.3	5.0	5.4	
SR 4500	6.0	5.3	6.7	5.7	5.0	5.3	5.0	5.0	5.4	
SRX 4120	5.7	5.3	5.7	5.3	4.7	5.3	5.3	6.0	5.4	
WVPB-R-82	5.0	4.3	5.3	5.0	6.0	5.3	6.0	6.0	5.4	
AFFIRMED	5.3	4.7	6.0	5.3	4.7	5.3	5.3	5.7	5.3	
CABO (CIS-PR-80)	6.7	4.0	6.7	6.0	5.0	5.3	5.0	5.0	5.3	
DLF-LDD	6.0	4.3	6.0	5.0	5.0	5.7	5.7	5.3	5.3	
HEADSTART	4.0	4.0	6.0	5.0	5.3	5.7	5.3	5.7	5.3	
MAJESTY	5.7	4.3	6.3	5.7	5.0	5.7	5.0	5.3	5.3	
PROWLER (APR 777)	4.7	3.7	6.0	5.3	5.7	5.3	5.3	5.7	5.3	
PST-2LA	5.3	3.3	6.7	6.7	5.7	5.3	5.0	4.7	5.3	
RENAISSANCE (APR 1233)	5.7	4.7	6.0	5.7	5.0	5.3	5.3	5.3	5.3	
SR 4220 (SRX 4801)	6.3	4.7	6.3	5.7	5.0	5.3	5.0	5.0	5.3	
ADMIRE (JR-151)	5.7	3.7	6.3	5.7	5.0	5.0	5.0	5.7	5.2	
APPLAUD (PENNINGTON-11301)	7.3	3.7	6.3	6.0	5.0	5.3	5.3	4.7	5.2	
APR 1232	4.7	4.0	5.7	5.3	5.3	5.3	5.3	5.3	5.2	
APR 1235	5.7	5.0	6.0	5.0	4.7	5.3	5.0	5.3	5.2	
APR 776	4.7	4.3	5.3	5.3	5.0	5.3	5.3	5.7	5.2	
BRIGHTSTAR SLT (PST-2A6B)	6.3	3.7	6.0	6.0	5.0	5.3	5.3	5.0	5.2	
CATHEDRAL II	5.0	3.3	6.3	6.0	5.7	5.3	5.0	5.0	5.2	
HAWKEYE (SRX 4RHT)	6.3	3.7	5.7	6.7	4.7	5.3	5.3	5.0	5.2	
KOOS R-71	5.3	3.7	5.7	5.7	5.3	5.7	5.3	5.0	5.2	
PALMER III	6.3	4.7	6.3	5.7	5.0	5.3	5.0	4.7	5.2	
PANTHER	6.0	4.0	6.3	5.7	5.0	5.3	5.3	5.0	5.2	
PASSPORT	5.7	4.7	6.0	5.3	5.0	5.3	5.0	5.0	5.2	
PIZZAZZ	6.0	4.0	6.0	6.0	4.7	5.3	5.0	5.3	5.2	

TABLE 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN, UT 1/
2003 DATA

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

NAME	GENETIC		QUALITY RATINGS							MEAN
	COLOR	APR	MAY	JUN	JUL	AUG	SEP	OCT		
WVPB-R-84	4.7	4.7	6.0	6.0	5.3	5.3	5.0	4.3	5.2	
ABT-99-4.464	6.7	4.0	6.0	5.7	4.7	5.3	5.0	5.3	5.1	
AMAZING (B1)	6.7	5.3	6.0	5.0	4.3	5.3	4.7	5.0	5.1	
DAZZLE (ABT-99-4.724)	6.3	3.3	6.3	5.0	5.3	5.3	5.3	5.3	5.1	
GALLERY (MB 412)	7.0	3.3	6.3	6.0	4.3	5.3	5.7	5.0	5.1	
ICON (MB 414)	6.0	4.0	5.7	6.3	4.3	5.0	5.0	5.7	5.1	
MP107	5.7	4.0	5.3	6.0	5.3	5.0	5.7	4.7	5.1	
PARADIGM (APR 1236)	5.0	3.7	5.7	5.3	5.3	5.3	5.3	5.0	5.1	
PR 1-94 (PICK PR 1-94)	6.3	3.7	6.0	5.7	5.3	5.0	5.3	5.0	5.1	
PLEASURE XL	5.7	4.3	7.0	5.3	4.3	5.3	4.7	5.0	5.1	
RACER	5.3	3.7	5.3	5.0	5.7	5.3	5.7	5.0	5.1	
SEVILLE II	6.0	4.0	6.0	5.7	5.3	5.3	5.0	4.7	5.1	
SR 4350 (APR 1237)	4.7	3.7	5.3	6.0	5.3	5.3	5.0	5.0	5.1	
ABT-99-4.115	5.7	4.3	5.7	5.3	4.7	5.0	4.7	5.0	5.0	
BRIGHTSTAR II	6.7	4.3	5.3	5.3	5.0	5.0	5.0	5.0	5.0	
CAS-LP84	5.0	3.3	5.7	5.3	5.3	5.0	5.0	5.0	5.0	
CHARGER II	5.7	4.7	5.7	5.3	4.7	5.0	4.7	5.3	5.0	
CHURCHILL	6.3	4.7	5.3	5.3	4.3	5.0	5.0	5.0	5.0	
COURAGE (MB 410)	6.3	3.7	6.3	5.7	4.3	5.3	4.7	5.0	5.0	
DP LP-1	4.7	4.0	5.7	4.3	4.7	5.3	5.3	5.3	5.0	
PEARL II (EPD)	5.0	3.3	5.7	6.0	5.0	5.3	5.0	5.0	5.0	
EXTREME (JR-317)	5.7	3.7	5.3	5.3	5.3	5.3	5.0	5.0	5.0	
GRAND SLAM 2L96 (PST-2L96)	6.3	3.7	6.0	5.7	5.0	5.3	4.7	4.3	5.0	
JR-128	5.3	3.3	5.3	5.3	4.7	5.3	5.3	5.3	5.0	
LINE DRIVE	6.0	3.7	5.7	5.7	5.0	5.0	5.0	4.7	5.0	
MDP	6.0	3.0	5.7	5.3	5.7	5.3	5.7	4.7	5.0	
MP88	6.0	4.0	5.7	5.0	5.0	5.0	5.0	5.3	5.0	
NEXUS	5.7	4.0	6.0	5.3	4.7	5.0	5.0	5.0	5.0	
PACESETTER (6011)	6.0	4.3	5.3	5.3	5.0	5.0	5.0	5.0	5.0	
PARAGON	6.0	4.3	5.3	6.0	4.3	5.0	5.3	5.0	5.0	
PENTIUM (NJ-6401)	7.0	3.7	5.7	5.0	5.0	5.3	5.3	5.3	5.0	
PHANTOM	5.7	5.0	5.3	5.3	4.7	5.0	5.0	5.0	5.0	
PICK PR B-97	6.0	4.3	5.7	5.7	4.3	5.3	5.0	4.7	5.0	
PICK PR QH-97	5.7	3.7	5.7	6.0	4.7	5.0	5.0	4.7	5.0	
PREMIER II	5.7	4.7	5.7	5.0	4.7	5.0	4.7	5.3	5.0	
LS 2100 (PST-2SBE)	5.7	3.7	5.3	5.3	5.0	5.3	5.0	5.3	5.0	
SPLENDID (MB 411)	7.0	3.7	6.3	5.7	4.3	5.0	5.0	5.3	5.0	
SR 4420 (SRX 4820)	6.7	4.3	6.3	5.0	4.3	5.0	4.7	5.0	5.0	
TERRADYNE (A5C)	6.0	5.0	5.7	5.0	4.3	5.0	5.0	5.0	5.0	
ALLSPORT	4.0	4.3	6.7	4.7	4.3	4.7	4.7	4.7	4.9	
ARRIVAL (CIS-PR-84)	6.3	4.3	4.7	5.0	4.7	5.0	5.0	5.3	4.9	
CITATION FORE (PST-2BR)	7.0	4.0	5.7	5.7	4.3	5.0	4.7	4.7	4.9	
CRUISER (ABT-99-4.709)	6.0	4.7	5.3	5.0	4.0	5.0	5.0	5.3	4.9	
ELFKIN	5.7	5.3	6.0	4.3	4.3	5.0	4.7	4.3	4.9	
KOKOMO (CIS-PR-69)	6.0	4.3	5.7	5.0	4.3	5.0	4.7	5.0	4.9	
MANHATTAN 3	4.7	3.7	5.3	6.0	5.0	4.7	4.7	4.7	4.9	
MEPY	5.3	3.3	5.3	6.0	4.3	5.0	5.0	5.0	4.9	

TABLE 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN, UT 1/
2003 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS							
		APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
RADIANT	6.7	3.7	6.0	5.7	5.0	5.0	4.7	4.3	4.9
STELLAR (CIS-PR-72)	6.3	4.0	5.3	5.7	4.3	5.0	5.0	5.0	4.9
SUNKISSED (ABT-99-4.834)	6.3	3.3	5.0	6.0	4.3	4.7	5.3	5.3	4.9
ABT-99-4.815	6.0	4.0	5.7	5.3	4.7	4.7	4.3	4.7	4.8
ABT-99-4.965	6.7	4.7	5.7	5.0	3.7	5.0	4.7	5.0	4.8
APR 1234	4.0	4.0	4.3	4.7	4.3	4.7	5.3	6.0	4.8
CHARISMATIC (LTP 98-501)	6.3	3.7	6.3	5.3	4.0	4.7	4.7	4.7	4.8
EXACTA	6.3	4.3	5.0	5.3	4.0	5.0	5.0	5.0	4.8
LPR 98-144	4.7	4.0	5.7	5.0	4.7	4.7	5.0	4.7	4.8
MACH 1 (ROBERTS-627)	6.7	5.3	5.7	5.0	4.3	4.7	4.3	4.0	4.8
PREMIER	4.7	4.0	5.0	5.0	4.0	4.7	5.0	5.7	4.8
QUEST II (ABT-99-4.721)	5.7	4.0	5.3	5.3	4.7	5.0	4.7	4.7	4.8
SALINAS (PST-2SLX)	5.7	3.0	5.7	5.3	4.7	5.0	5.0	5.0	4.8
SUPERSTAR (EP57)	5.7	4.0	4.7	5.3	4.7	5.0	5.0	5.0	4.8
ABT-99-4.339	5.7	3.7	5.3	5.0	4.3	5.0	4.7	5.0	4.7
ABT-99-4.600	5.3	3.7	6.0	5.0	4.3	4.7	4.7	4.7	4.7
ALL STAR2 (CIS-PR-78)	6.7	4.0	6.0	4.7	4.0	4.7	4.7	4.7	4.7
ASCEND	5.3	4.3	6.3	4.7	4.0	4.7	4.7	4.3	4.7
CATALINA	5.0	3.7	5.7	5.0	4.3	4.7	5.0	4.7	4.7
EDGE	4.7	4.0	4.3	5.0	4.7	4.7	5.3	5.0	4.7
INSPIRE (R8000)	6.3	3.7	5.3	5.3	4.3	5.0	4.7	4.7	4.7
IQ (CIS-PR-75)	6.7	3.7	5.7	5.0	4.3	5.0	4.7	4.7	4.7
MANHATTAN 4 (PST-2CRL)	6.7	4.0	5.7	5.3	4.7	4.7	4.3	4.3	4.7
PROSPORT (AG-P981)	7.0	4.0	5.7	5.0	4.3	4.7	4.3	4.7	4.7
RACER II (PICK RC2)	5.3	3.7	6.0	4.7	4.3	4.7	4.7	4.7	4.7
EP53	5.7	3.0	5.7	5.0	4.3	4.7	4.7	4.7	4.6
LPR 98-143	5.3	3.3	5.7	4.7	5.0	4.7	4.3	4.3	4.6
LTP-ME	5.3	3.0	5.0	5.0	4.3	4.7	5.0	5.0	4.6
MP103	6.0	3.0	5.3	5.0	4.7	4.7	5.0	4.7	4.6
PROMISE	5.7	4.0	4.7	4.7	4.7	4.7	5.0	4.7	4.6
BLAZER IV (PICK MDR)	6.7	3.3	5.7	5.0	4.3	4.3	4.3	4.7	4.5
CATALINA II (PST-CATS)	6.3	3.0	5.0	5.7	4.3	4.3	4.3	5.0	4.5
SKYHAWK	5.7	3.0	5.7	4.7	4.0	4.7	4.7	5.0	4.5
WILMINGTON	5.3	2.7	5.3	5.0	4.3	5.0	4.7	4.7	4.5
SUMMERSET (MB 413)	6.3	3.7	5.3	4.3	4.3	4.7	4.3	4.3	4.4
YATSUGREEN	3.7	4.0	4.3	3.7	4.7	4.3	5.0	5.0	4.4
PROTYME (ABT-99-4.625)	6.0	3.3	5.0	4.3	4.0	4.3	4.3	4.7	4.3
PST-2CRR	5.0	3.3	5.7	4.3	4.0	4.3	4.3	4.0	4.3
DP 17-9496	3.0	2.7	3.0	3.7	4.0	3.0	3.3	3.0	3.2
LINN	2.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.1
LSD VALUE	1.0	2.6	2.4	1.8	2.0	1.2	1.4	1.5	1.0
C.V. (%)	11.0	23.0	16.9	15.3	17.5	11.7	12.8	13.4	10.1

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

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

TABLE 22.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	WINTER COLOR	QUALITY RATINGS									MEAN
				MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PROWLER (APR 777)	6.7	6.0	5.0	4.7	4.7	6.3	5.3	4.3	4.7	4.7	5.3	7.3	5.3
BRIGHTSTAR SLT (PST-2A6B)	7.0	7.3	6.0	4.7	5.0	7.0	6.3	4.0	4.3	4.0	4.0	7.3	5.2
SALINAS (PST-2SLX)	7.0	7.0	5.3	4.0	4.7	7.0	6.7	4.0	4.0	4.0	4.3	6.7	5.0
GRAND SLAM 2L96 (PST-2L96)	6.7	7.0	6.0	3.7	4.3	6.0	6.3	4.0	4.3	4.7	4.7	6.0	4.9
MANHATTAN 4 (PST-2CRL)	7.3	7.0	6.0	4.0	4.3	6.3	6.3	3.7	4.0	4.3	4.7	6.0	4.9
QUEST II (ABT-99-4.721)	7.0	7.0	6.3	4.0	3.7	6.3	6.0	3.7	3.7	4.3	4.3	8.0	4.9
MONTEREY II (JR-187)	6.3	6.7	5.3	4.0	4.0	6.7	6.0	3.3	3.7	4.0	4.0	7.7	4.8
ADMIRE (JR-151)	6.7	6.0	5.3	4.0	4.0	6.0	6.0	4.0	4.0	4.0	4.3	6.3	4.7
CALYPSO II	6.3	6.3	5.0	4.3	4.7	7.0	6.7	3.0	3.3	3.7	4.0	6.0	4.7
CATHEDRAL II	6.7	6.7	5.3	3.7	4.3	6.3	5.3	3.7	3.7	4.0	4.3	7.0	4.7
DIVINE	5.7	6.0	5.0	4.0	4.3	7.0	5.7	3.3	3.0	3.7	4.3	7.3	4.7
PICK EX2	5.7	6.3	5.7	4.7	4.3	6.0	5.7	3.7	3.7	4.0	4.3	6.0	4.7
PST-2M4	7.0	6.7	5.0	3.7	4.7	6.0	5.3	3.3	4.0	4.0	4.0	7.0	4.7
LS 2100 (PST-2SBE)	7.0	6.0	5.0	4.7	4.3	6.3	6.0	3.0	3.3	4.3	4.3	6.0	4.7
RACER	6.0	6.3	5.0	4.7	4.7	6.3	5.3	3.3	3.7	3.7	3.7	6.7	4.7
SPLENDID (MB 411)	7.0	7.0	5.3	3.7	4.3	6.3	5.0	4.0	4.0	4.0	4.3	6.3	4.7
AFFINITY	6.0	5.7	4.7	4.0	4.3	6.7	6.0	3.3	3.7	3.7	3.7	6.3	4.6
APPLAUD (PENNINGTON-11301)	6.7	7.0	6.0	4.3	4.3	5.7	5.7	3.7	3.7	3.7	4.3	6.3	4.6
ARRIVAL (CIS-PR-84)	7.3	6.7	6.7	4.0	4.3	7.0	6.0	3.3	3.3	3.7	3.3	6.3	4.6
ASCEND	7.0	7.0	5.7	4.3	4.0	6.3	6.0	3.0	3.0	3.7	4.3	7.0	4.6
BRIGHTSTAR II	7.0	6.7	6.0	3.7	4.0	6.3	6.7	3.0	3.7	4.0	4.0	5.7	4.6
MAJESTY	6.7	7.0	5.3	4.0	4.7	6.0	5.7	3.3	3.3	4.0	4.3	6.0	4.6
PST-2RT	6.7	6.7	5.0	3.7	4.3	6.0	6.0	4.0	4.0	4.0	4.3	5.3	4.6
RADIANT	7.0	7.3	5.7	3.7	3.7	6.7	5.0	4.0	4.0	4.0	4.0	6.3	4.6
WVPB-R-84	6.3	5.7	4.7	4.3	4.7	6.3	5.3	3.3	3.7	3.7	3.7	6.3	4.6
APR 1235	6.0	6.3	5.3	4.0	4.3	5.7	5.7	3.3	3.3	4.0	4.7	5.7	4.5
DLF-LDD	7.0	7.0	5.0	3.7	4.3	6.3	6.3	3.0	3.0	3.7	4.0	6.0	4.5
PIZZAZZ	7.7	7.0	7.0	4.0	3.7	6.0	6.0	3.0	3.3	4.0	4.0	6.7	4.5
PROTYME (ABT-99-4.625)	7.3	7.3	6.3	3.7	4.3	5.7	6.0	3.7	3.7	4.0	3.7	5.7	4.5
RENAISSANCE (APR 1233)	6.0	6.0	5.0	3.7	4.7	5.7	6.3	3.3	3.7	3.7	3.7	5.7	4.5
SRX 4120	6.3	5.7	5.3	4.7	4.7	5.7	5.3	3.3	3.3	4.0	4.0	5.7	4.5
ABT-99-4.560	7.3	7.0	5.0	4.0	4.3	6.3	5.3	3.3	3.3	3.7	3.7	5.7	4.4
APR 1232	6.3	6.0	6.3	3.7	4.0	5.3	5.0	4.3	4.3	4.0	3.7	5.3	4.4
CABO (CIS-PR-80)	7.0	8.0	6.7	3.7	4.0	5.3	5.0	4.0	4.0	4.0	4.0	6.0	4.4
DAZZLE (ABT-99-4.724)	7.3	7.0	6.3	3.7	4.0	6.3	6.0	3.0	3.7	3.3	3.7	6.0	4.4
FIESTA 3	7.0	6.7	5.7	4.3	4.3	6.0	5.7	3.3	3.3	3.3	3.7	5.3	4.4
ICON (MB 414)	7.7	7.0	5.7	3.7	4.0	6.0	4.7	3.7	3.7	4.0	4.0	5.7	4.4
LPR 98-143	6.7	6.3	6.0	4.0	4.0	6.0	5.0	3.3	3.3	3.3	3.7	7.0	4.4
PACESETTER (6011)	7.3	6.7	5.7	4.0	4.0	6.3	5.7	3.0	3.0	3.7	4.0	6.3	4.4
PINNACLE II (BAR 9 B2)	7.0	6.7	5.3	3.7	4.7	6.0	6.3	3.0	3.0	3.0	3.3	6.3	4.4
SR 4350 (APR 1237)	5.7	6.0	6.3	3.7	4.0	5.0	5.7	3.7	4.0	4.0	4.0	5.3	4.4
SR 4420 (SRX 4820)	7.7	6.7	6.0	3.7	4.3	6.7	5.7	3.0	3.0	3.7	3.7	5.7	4.4
ABT-99-4.600	6.7	6.7	5.3	3.7	3.7	6.0	3.7	3.7	3.3	3.7	4.0	6.7	4.3
ABT-99-4.815	7.3	7.0	4.7	3.3	3.7	6.0	4.0	4.0	3.7	3.7	4.0	6.7	4.3
AFFIRMED	7.0	7.0	5.7	3.7	4.0	6.0	5.3	3.3	3.7	3.7	3.7	5.7	4.3
APR 1231	6.3	5.7	5.7	3.7	3.7	6.0	5.3	3.3	3.3	3.7	3.7	5.7	4.3
CHURCHILL	7.0	6.7	6.3	4.0	4.3	6.3	6.0	3.0	3.0	3.7	3.7	4.7	4.3

TABLE 22. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	WINTER COLOR	QUALITY RATINGS									MEAN
				MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
MDP	7.3	6.7	6.3	3.7	4.3	6.7	5.0	2.7	3.3	3.3	4.0	6.0	4.3
PARADIGM (APR 1236)	7.0	6.7	5.0	4.0	4.3	6.7	5.7	3.7	3.0	3.3	3.3	5.0	4.3
PASSPORT	6.7	6.3	4.7	4.0	4.3	5.3	5.3	3.0	3.7	3.7	3.7	5.7	4.3
SR 4500	7.0	6.0	5.3	4.0	4.7	6.3	6.3	2.7	3.0	3.3	3.3	5.0	4.3
STELLAR (CIS-PR-72)	8.0	7.0	6.7	4.0	4.0	5.7	5.3	3.0	3.3	3.3	4.0	5.7	4.3
WVPB-R-82	5.3	5.7	4.7	4.0	4.3	6.3	5.3	3.0	3.0	3.0	3.3	6.0	4.3
CATALINA II (PST-CATS)	7.0	7.0	6.0	4.0	4.3	5.7	5.7	3.3	3.3	3.3	3.3	5.0	4.2
JET	7.7	7.0	6.0	3.7	4.0	6.3	5.0	3.0	3.0	3.3	3.3	6.0	4.2
KOKOMO (CIS-PR-69)	6.7	7.0	7.0	4.3	4.7	6.0	6.0	2.7	3.0	3.0	3.0	5.0	4.2
PST-2JH	6.7	6.3	5.7	4.0	4.0	5.7	4.3	3.3	3.3	3.7	3.7	5.7	4.2
WILMINGTON	7.7	7.3	5.7	3.7	4.0	6.0	4.0	3.0	3.3	4.0	4.0	6.0	4.2
ABT-99-4.115	7.3	6.7	5.3	3.3	4.0	6.0	5.3	3.3	3.0	3.3	3.7	5.3	4.1
ABT-99-4.965	7.3	7.0	6.0	4.0	3.7	6.3	5.0	3.0	3.0	3.0	3.0	6.3	4.1
BY-100	5.7	6.3	4.7	3.7	4.3	5.3	5.0	3.3	3.3	3.3	3.0	5.3	4.1
CHARISMATIC (LTP 98-501)	7.3	7.0	7.0	3.0	3.7	5.7	6.0	3.3	3.3	3.3	3.3	5.0	4.1
COURAGE (MB 410)	7.0	6.3	5.7	3.7	4.0	5.3	5.0	3.3	3.3	3.3	3.7	5.3	4.1
CRUISER (ABT-99-4.709)	7.0	7.0	6.0	4.0	4.3	6.7	5.3	3.0	3.0	3.3	3.3	4.3	4.1
DP 17-9069	5.0	5.3	4.0	3.3	4.0	6.3	5.7	3.3	3.0	3.3	3.0	5.0	4.1
EXACTA	7.0	6.7	6.0	4.0	4.3	6.0	6.0	2.7	2.7	3.3	3.3	4.3	4.1
PENTIUM (NJ-6401)	7.3	6.7	6.0	4.0	3.7	6.0	5.3	2.7	3.0	3.3	3.3	5.3	4.1
SEVILLE II	7.0	7.0	6.3	3.7	3.7	5.0	5.3	3.7	3.7	3.7	3.7	4.3	4.1
TERRADYNE (A5C)	8.0	7.3	6.0	4.0	4.0	5.7	3.7	3.0	3.3	3.3	3.7	6.3	4.1
ABT-99-4.339	7.3	6.7	5.3	3.7	3.3	5.7	4.7	3.3	3.3	3.3	3.7	5.3	4.0
ALLSPORT	7.0	7.0	5.7	4.0	4.3	5.3	4.0	2.7	3.0	3.3	3.3	6.0	4.0
APR 776	7.0	6.7	5.7	3.3	4.0	6.0	5.7	2.7	3.0	3.3	3.7	4.7	4.0
DP 17-9391	5.3	5.3	4.7	4.0	4.0	5.7	5.7	3.0	3.0	3.0	3.0	5.0	4.0
ELFKIN	6.7	6.3	6.3	3.3	3.7	6.3	5.0	3.0	3.0	3.3	3.3	5.0	4.0
EXTREME (JR-317)	7.0	6.3	5.3	3.3	3.7	5.0	5.3	3.3	3.3	3.7	3.7	4.7	4.0
HAWKEYE (SRX 4RHT)	7.7	7.7	7.0	3.7	3.7	5.7	5.3	3.0	3.0	3.7	3.7	4.3	4.0
INSPIRE (R8000)	7.0	7.3	6.7	3.7	4.0	5.7	5.0	3.0	3.3	3.3	3.3	4.3	4.0
LINE DRIVE	6.3	6.7	5.3	4.0	4.0	5.7	5.0	2.7	2.7	3.0	3.7	5.7	4.0
PR 1-94 (PICK PR 1-94)	7.0	7.0	5.7	3.7	4.3	5.7	6.0	3.0	3.0	3.0	3.0	4.0	4.0
PICK PRNGS	6.7	7.0	6.0	3.3	4.0	5.7	5.0	3.0	3.0	3.3	3.3	5.0	4.0
PREMIER	6.7	6.7	5.7	3.7	4.7	5.3	4.7	2.3	3.0	3.3	3.7	5.7	4.0
SUMMERSET (MB 413)	7.3	7.3	6.3	3.7	4.0	5.7	3.7	3.7	3.3	3.7	3.3	4.7	4.0
YATSUGREEN	5.7	5.0	5.3	4.0	4.0	5.0	5.3	2.3	3.0	3.0	3.0	6.0	4.0
ABT-99-4.464	7.0	6.7	5.3	4.0	4.0	6.0	5.0	2.7	2.7	3.0	3.3	4.7	3.9
BARLENNIUM	7.3	6.0	5.7	4.0	4.3	5.3	5.7	2.3	2.7	2.7	2.7	5.0	3.9
CITATION FORE (PST-2BR)	7.0	7.0	6.0	3.3	4.0	5.7	4.3	3.7	3.3	3.0	3.0	5.0	3.9
PEARL II (EPD)	7.7	7.0	5.0	3.3	3.7	5.0	4.0	3.0	3.3	3.7	3.7	5.3	3.9
GATOR 3 (CIS-PR-85)	7.7	7.3	5.7	3.7	4.0	5.3	5.3	3.0	3.0	3.0	3.0	4.3	3.9
HEADSTART	6.7	5.7	4.7	3.7	4.0	6.0	4.0	3.0	3.0	3.3	3.3	5.0	3.9
JR-128	7.0	7.0	5.7	3.7	4.0	6.0	4.7	3.0	3.0	3.0	3.0	4.7	3.9
LPR 98-144	6.7	6.7	4.7	3.7	4.0	5.7	4.3	2.7	3.0	3.7	3.7	4.3	3.9
MACH 1 (ROBERTS-627)	7.7	7.3	6.7	4.0	4.3	6.0	5.0	2.3	3.0	3.3	3.3	4.0	3.9
PICK PR QH-97	7.0	7.0	6.0	3.3	3.7	5.0	5.7	3.0	3.0	3.3	3.3	4.3	3.9
PREMIER II	7.0	6.0	4.7	3.7	4.3	6.0	5.7	2.7	2.7	3.0	3.0	3.7	3.9

TABLE 22. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	WINTER COLOR	QUALITY RATINGS									MEAN
				MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
SUNKISSED (ABT-99-4.834)	7.7	6.7	7.0	3.0	3.3	5.7	4.3	3.3	3.3	3.3	3.0	5.3	3.9
SUPERSTAR (EP57)	7.3	6.7	4.7	3.7	4.3	5.7	3.7	3.0	3.0	3.3	3.3	5.3	3.9
ALL STAR2 (CIS-PR-78)	7.3	7.3	6.3	4.3	4.7	6.3	5.0	2.0	2.3	3.0	3.0	3.7	3.8
DP 17-9496	5.0	5.0	5.0	4.0	3.7	6.0	5.0	2.3	2.7	3.0	3.0	4.3	3.8
GALLERY (MB 412)	7.7	7.0	6.7	3.7	4.0	5.3	4.3	2.7	3.0	3.0	3.3	4.7	3.8
PLEASURE XL	6.3	6.7	5.7	4.0	3.7	6.0	5.7	2.3	3.0	3.0	3.0	3.3	3.8
SKYHAWK	6.7	6.3	4.7	3.7	4.0	4.7	3.3	3.0	3.0	3.7	3.7	5.0	3.8
AMAZING (B1)	7.0	7.0	6.3	3.7	4.3	5.7	5.3	2.3	2.7	3.0	3.0	3.7	3.7
BUCCANEER	5.7	5.7	5.7	3.7	3.7	5.3	4.7	2.7	3.0	3.0	3.0	4.0	3.7
EDGE	5.0	5.0	4.7	4.0	3.7	4.7	5.0	3.0	3.0	3.0	3.0	4.0	3.7
MANHATTAN 3	7.0	6.7	5.3	3.0	4.0	5.7	4.7	3.0	3.0	3.0	3.0	4.3	3.7
MP107	6.7	7.0	6.3	3.3	2.7	5.0	4.7	2.7	3.0	3.3	3.7	5.3	3.7
PARAGON	7.3	7.0	6.3	3.3	4.0	5.7	4.0	2.3	2.7	3.0	3.3	4.7	3.7
PHANTOM	7.0	7.0	5.7	3.3	3.7	4.7	3.3	3.0	3.0	3.3	3.3	5.3	3.7
SECRETARIAT	6.3	6.3	5.3	3.7	4.0	5.7	5.0	2.7	2.7	3.0	3.0	3.7	3.7
BLAZER IV (PICK MDR)	7.3	7.0	6.7	3.3	3.7	5.0	4.0	3.0	3.0	3.0	3.0	4.3	3.6
CHARGER II	7.0	6.0	5.3	3.3	3.7	5.0	4.0	3.3	3.3	3.3	3.0	3.3	3.6
EP53	7.7	6.3	5.3	3.3	3.7	5.3	3.3	3.0	2.7	3.0	3.0	5.0	3.6
NEXUS	7.3	7.3	6.0	3.7	4.0	5.3	3.7	2.7	3.0	3.0	3.0	4.3	3.6
PICK PR B-97	7.0	7.3	6.0	3.7	3.7	4.7	4.7	3.0	3.0	3.0	3.0	3.7	3.6
PROMISE	7.3	6.7	5.3	3.7	4.3	5.7	4.7	2.3	2.7	2.7	2.7	3.7	3.6
RACER II (PICK RC2)	6.0	6.7	6.0	3.7	4.0	4.0	4.7	3.3	3.0	2.7	3.0	3.7	3.6
IQ (CIS-PR-75)	7.0	7.3	6.7	3.3	4.0	4.0	5.0	2.7	2.7	2.7	2.7	4.3	3.5
LTP-ME	7.7	7.3	6.0	3.3	3.3	4.3	3.3	3.0	3.0	3.3	3.3	4.3	3.5
MP88	7.0	7.0	5.7	3.7	4.0	4.0	4.0	2.7	2.7	3.0	3.0	4.3	3.5
PST-2CRR	7.3	7.0	6.3	3.7	3.7	5.3	4.3	2.7	2.7	2.7	2.7	4.0	3.5
CAS-LP84	6.7	7.0	5.7	3.3	3.0	4.3	3.7	2.7	3.0	3.0	2.7	5.3	3.4
DP LP-1	6.0	6.0	4.7	3.3	4.0	4.7	4.0	2.7	2.7	2.7	2.7	4.0	3.4
PALMER III	7.0	7.0	5.0	3.3	3.3	5.0	4.0	2.7	2.7	3.0	3.0	3.3	3.4
SR 4220 (SRX 4801)	7.3	7.0	7.0	3.3	3.7	4.7	5.0	2.3	2.7	2.7	2.7	4.0	3.4
APR 1234	6.3	6.7	6.0	3.3	3.7	4.7	3.7	2.7	2.7	2.7	2.7	3.3	3.3
MEPY	6.7	6.7	5.7	3.0	3.3	4.0	3.7	3.0	3.3	3.0	2.7	4.0	3.3
PENNANT II	7.0	6.7	5.7	3.0	3.3	4.3	3.0	2.7	2.7	3.0	3.0	5.0	3.3
PROSPORT (AG-P981)	7.3	6.7	5.3	3.3	3.3	4.0	2.7	2.7	2.7	3.0	3.0	4.7	3.3
PST-2LA	6.3	7.0	6.0	3.0	3.0	4.3	4.3	3.0	3.0	3.0	3.0	3.3	3.3
MP103	7.3	6.7	6.0	3.0	3.3	4.7	3.7	2.3	2.7	2.7	2.7	3.7	3.2
KOOS R-71	6.0	6.7	6.3	3.0	3.0	3.7	4.0	2.7	2.7	2.7	3.0	3.7	3.1
PANTHER	7.0	6.7	5.3	2.7	2.7	3.3	3.0	2.3	2.3	2.3	2.7	3.3	2.7
LINN	4.3	5.0	4.7	2.7	3.0	3.7	2.3	2.0	2.3	2.3	2.0	2.7	2.6
CATALINA	7.0	7.0	6.0	2.0	2.3	2.7	2.0	2.0	2.0	2.0	2.0	2.3	2.1
LSD VALUE	1.0	1.0	1.5	1.6	3.0	3.2	2.0	0.8	0.9	1.1	1.2	3.2	1.2
C.V. (%)	8.6	8.5	13.6	16.5	18.9	20.8	21.4	15.1	15.4	16.8	18.4	27.9	15.0

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 23. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT PULLMAN, WA 1/
2003 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS						MEAN
		APR	MAY	JUN	JUL	AUG	SEP	
GATOR 3 (CIS-PR-85)	8.7	8.3	8.0	8.0	8.0	7.0	8.0	7.9
HAWKEYE (SRX 4RHT)	9.0	7.7	7.7	8.0	8.0	8.0	7.7	7.8
MACH 1 (ROBERTS-627)	8.7	8.0	7.7	7.7	7.7	7.3	7.7	7.7
AMAZING (B1)	8.7	7.7	7.7	7.7	7.7	7.3	7.7	7.6
CABO (CIS-PR-80)	8.3	8.0	8.3	7.7	7.0	7.0	7.3	7.6
IQ (CIS-PR-75)	8.3	8.3	7.7	7.3	7.3	7.0	7.7	7.6
PINNACLE II (BAR 9 B2)	9.0	7.7	8.0	7.3	7.3	7.0	8.0	7.6
LTP-ME	8.3	7.0	7.3	7.3	8.0	7.7	7.7	7.5
PIZZAZZ	8.0	7.7	8.0	8.0	7.3	6.7	7.3	7.5
ALL STAR2 (CIS-PR-78)	9.0	7.3	7.7	8.0	7.0	6.7	8.0	7.4
APPLAUD (PENNINGTON-11301)	8.7	7.3	7.3	7.7	7.3	7.3	7.3	7.4
BLAZER IV (PICK MDR)	8.7	7.7	7.7	7.3	7.3	7.0	7.3	7.4
BRIGHTSTAR II	8.7	7.7	8.0	7.0	7.3	7.3	7.3	7.4
DAZZLE (ABT-99-4.724)	8.3	7.3	8.0	7.3	7.0	6.7	8.0	7.4
PR 1-94 (PICK PR 1-94)	8.3	8.0	7.7	7.3	7.0	7.0	7.3	7.4
ARRIVAL (CIS-PR-84)	8.7	7.3	7.7	7.3	7.0	7.0	7.7	7.3
BRIGHTSTAR SLT (PST-2A6B)	8.7	7.7	7.7	7.3	7.0	6.7	7.7	7.3
CHURCHILL	8.7	7.0	7.3	7.3	7.3	7.3	7.3	7.3
DLF-LDD	8.3	7.3	7.3	7.3	7.0	7.0	7.7	7.3
GALLERY (MB 412)	8.7	7.3	8.3	7.3	6.7	6.7	7.3	7.3
MDP	8.3	6.7	8.0	7.3	7.0	6.7	8.0	7.3
PST-2CRR	8.3	7.0	7.7	7.3	7.0	7.0	7.7	7.3
LS 2100 (PST-2SBE)	8.3	7.3	8.0	7.3	7.3	6.3	7.7	7.3
RADIANT	8.7	8.0	8.0	7.0	7.0	7.0	7.0	7.3
SR 4220 (SRX 4801)	8.7	7.7	7.0	7.3	7.3	7.0	7.7	7.3
SUNKISSED (ABT-99-4.834)	8.7	7.3	7.7	7.7	7.0	6.7	7.7	7.3
WILMINGTON	8.7	7.3	8.0	7.3	7.0	6.7	7.3	7.3
ABT-99-4.560	8.0	6.7	8.0	7.3	7.0	6.7	7.3	7.2
CITATION FORE (PST-2BR)	8.3	7.3	7.0	7.0	7.7	7.0	7.3	7.2
COURAGE (MB 410)	8.3	7.7	7.3	7.3	6.7	7.0	7.0	7.2
PEARL II (EPD)	8.0	7.3	8.0	7.3	7.0	6.7	7.0	7.2
EXACTA	8.0	7.0	7.7	7.3	7.0	7.0	7.0	7.2
INSPIRE (R8000)	8.0	7.3	7.7	7.3	7.0	6.7	7.3	7.2
KOKOMO (CIS-PR-69)	8.3	7.3	7.7	7.0	7.0	7.0	7.3	7.2
MANHATTAN 4 (PST-2CRL)	8.7	7.3	7.7	7.0	7.0	6.7	7.7	7.2
MP88	8.0	7.0	7.7	7.0	7.3	7.0	7.3	7.2
PARAGON	8.3	7.3	7.3	7.3	7.0	7.0	7.3	7.2
PICK PR B-97	8.7	7.7	7.7	7.3	6.7	6.7	7.3	7.2
PICK PR QH-97	8.3	7.7	7.0	7.0	7.0	7.0	7.3	7.2
SALINAS (PST-2SLX)	8.0	7.0	7.7	7.3	7.0	7.0	7.3	7.2
SEVILLE II	8.3	7.7	7.3	7.7	7.0	6.7	7.0	7.2
SUMMERSET (MB 413)	8.7	7.3	8.0	7.3	6.7	6.7	7.3	7.2
TERRADYNE (A5C)	9.0	8.0	7.7	7.0	6.7	7.0	7.0	7.2
CHARISMATIC (LTP 98-501)	8.3	7.3	7.7	7.0	7.0	6.7	7.0	7.1
GRAND SLAM 2L96 (PST-2L96)	9.0	7.7	7.7	7.3	6.3	6.0	7.3	7.1
ICON (MB 414)	8.3	7.7	7.3	7.3	6.3	6.7	7.0	7.1
JR-128	7.7	6.7	7.0	7.3	7.0	7.0	7.3	7.1

TABLE 23. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT PULLMAN, WA 1/
2003 DATA

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

NAME	GENETIC		QUALITY RATINGS					MEAN
	COLOR	APR	MAY	JUN	JUL	AUG	SEP	
MP103	7.7	7.7	7.7	7.0	6.7	6.3	7.3	7.1
NEXUS	8.3	7.7	7.3	7.0	6.3	7.0	7.0	7.1
PENTIUM (NJ-6401)	8.3	7.3	7.3	7.3	6.7	6.7	7.3	7.1
QUEST II (ABT-99-4.721)	7.7	7.0	7.7	7.3	6.7	6.7	7.0	7.1
SUPERSTAR (EP57)	8.3	7.3	7.7	7.0	7.0	6.3	7.3	7.1
CAS-LP84	7.7	7.3	8.0	7.0	6.7	6.0	7.0	7.0
ELFKIN	8.3	6.3	7.3	7.3	7.0	7.0	7.0	7.0
JET	8.0	7.0	7.3	7.0	7.0	6.7	7.0	7.0
PROMISE	8.3	6.7	6.7	7.0	7.0	7.3	7.3	7.0
PROTYME (ABT-99-4.625)	8.0	7.3	7.7	6.7	6.7	6.7	7.0	7.0
PST-2M4	8.0	6.0	7.7	7.0	7.0	7.0	7.3	7.0
STELLAR (CIS-PR-72)	8.7	7.0	7.3	7.3	6.7	6.7	7.0	7.0
ABT-99-4.965	8.3	7.3	7.3	7.3	6.3	6.3	7.0	6.9
AFFIRMED	7.3	6.7	7.3	6.7	7.0	6.7	7.3	6.9
APR 1235	7.7	7.0	8.0	7.0	6.7	6.3	6.7	6.9
LPR 98-144	7.3	7.3	6.7	7.3	6.3	6.7	7.0	6.9
MEPY	7.7	7.0	7.7	6.7	6.7	6.7	7.0	6.9
PROSPORT (AG-P981)	7.7	7.0	7.7	7.0	6.7	6.3	6.7	6.9
PST-2RT	7.7	6.7	7.7	7.0	6.7	6.0	7.3	6.9
RACER II (PICK RC2)	8.0	6.7	7.3	7.3	6.3	6.7	7.3	6.9
SR 4420 (SRX 4820)	8.7	7.0	7.7	7.0	6.7	6.0	7.3	6.9
SR 4500	8.0	6.7	6.7	6.7	7.0	7.3	7.3	6.9
ABT-99-4.115	8.0	7.0	6.7	6.3	7.0	7.0	7.0	6.8
ABT-99-4.464	7.7	7.0	7.3	7.0	6.3	6.7	6.7	6.8
ABT-99-4.815	7.3	7.0	7.3	6.7	6.3	6.3	7.3	6.8
ALLSPORT	7.7	7.0	7.0	7.0	6.3	6.3	7.3	6.8
CRUISER (ABT-99-4.709)	8.0	7.3	7.3	7.0	6.3	6.3	6.7	6.8
FIESTA 3	7.7	7.0	7.0	6.7	6.7	6.7	7.0	6.8
MAJESTY	7.3	7.0	7.3	6.7	6.3	6.7	6.7	6.8
MP107	8.0	7.0	7.0	7.0	6.3	6.3	7.0	6.8
PALMER III	7.0	6.7	7.7	7.0	6.3	6.0	7.3	6.8
PREMIER II	7.7	6.7	7.3	7.3	6.7	6.3	6.7	6.8
PST-2LA	7.3	7.0	7.7	6.7	6.0	6.0	7.3	6.8
SPLENDID (MB 411)	8.3	7.0	7.3	7.0	6.0	6.7	7.0	6.8
ASCEND	8.0	7.0	7.0	7.0	6.0	6.0	7.0	6.7
BARLENNIUM	7.0	6.7	7.3	7.0	6.7	6.0	6.7	6.7
CATALINA	8.0	6.7	7.3	6.3	6.3	6.0	7.3	6.7
CATHEDRAL II	7.7	6.7	7.3	7.0	6.7	6.3	6.3	6.7
EXTREME (JR-317)	7.0	6.7	7.3	7.0	6.3	6.0	7.0	6.7
PACESETTER (6011)	7.7	6.7	7.3	6.7	6.7	6.0	6.7	6.7
PHANTOM	6.7	7.0	7.7	7.0	6.0	5.7	6.7	6.7
RENAISSANCE (APR 1233)	7.0	6.3	6.7	7.0	6.7	6.3	7.0	6.7
ABT-99-4.339	7.3	6.0	7.3	7.3	6.3	6.0	6.7	6.6
CALYPSO II	7.0	6.0	7.0	7.3	6.7	6.0	6.7	6.6
CHARGER II	7.3	6.0	6.3	6.7	6.7	7.0	7.0	6.6
EP53	6.7	6.7	7.0	6.3	5.7	6.7	7.0	6.6
LINE DRIVE	6.7	7.0	7.0	6.7	6.7	6.0	6.3	6.6

TABLE 23. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 1999 NATIONAL PERENNIAL RYEGRASS TEST AT PULLMAN, WA 1/
2003 DATA

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

NAME	GENETIC		QUALITY RATINGS						MEAN
	COLOR	APR	MAY	JUN	JUL	AUG	SEP		
LPR 98-143	7.3	6.3	6.7	6.7	6.7	6.7	6.7	6.6	
MANHATTAN 3	7.3	6.3	7.0	6.7	6.7	6.0	7.0	6.6	
PARADIGM (APR 1236)	7.7	7.3	7.0	6.3	6.0	6.0	6.7	6.6	
SKYHAWK	7.0	6.3	7.0	6.7	6.7	6.0	7.0	6.6	
WVPB-R-84	7.7	5.7	7.3	7.0	6.7	6.0	7.0	6.6	
PANTHER	8.3	6.0	7.3	7.0	6.0	6.0	6.7	6.5	
PENNANT II	7.7	7.0	7.0	6.7	5.7	6.0	6.7	6.5	
PREMIER	7.0	6.3	7.0	7.0	6.3	6.0	6.3	6.5	
RACER	7.3	7.0	6.3	6.3	6.3	6.3	6.7	6.5	
ADMIRE (JR-151)	7.3	6.3	6.7	6.7	6.7	5.7	6.7	6.4	
APR 776	7.0	6.3	7.0	6.3	6.0	6.0	6.7	6.4	
MONTEREY II (JR-187)	6.7	6.3	6.7	6.7	6.3	6.0	6.3	6.4	
PASSPORT	8.0	7.0	7.0	7.0	6.0	5.7	6.0	6.4	
PICK PRNGS	7.7	6.3	6.3	6.3	6.0	6.3	7.0	6.4	
PST-2JH	8.0	6.3	6.7	6.7	6.3	5.7	6.7	6.4	
SR 4350 (APR 1237)	6.3	6.7	7.7	7.0	5.3	5.7	6.0	6.4	
APR 1231	7.3	6.7	6.7	6.3	6.3	5.7	6.0	6.3	
CATALINA II (PST-CATS)	8.3	6.7	6.7	6.7	5.7	6.0	6.0	6.3	
HEADSTART	6.3	6.3	6.7	6.7	5.7	6.0	6.7	6.3	
KOOS R-71	6.3	6.0	6.7	6.3	6.0	6.0	6.7	6.3	
PLEASURE XL	7.7	6.7	7.0	7.0	5.3	5.7	6.0	6.3	
ABT-99-4.600	6.7	6.0	6.3	6.3	5.3	6.7	6.3	6.2	
APR 1232	7.7	6.3	5.7	6.3	6.3	6.3	6.0	6.2	
APR 1234	7.0	5.7	6.0	6.3	5.7	6.3	7.0	6.2	
SRX 4120	7.0	5.3	6.3	6.7	6.7	6.0	6.3	6.2	
DIVINE	7.0	6.0	6.3	7.0	5.7	5.7	6.0	6.1	
PICK EX2	7.3	6.0	6.3	6.3	5.7	5.7	6.7	6.1	
PROWLER (APR 777)	7.3	6.3	6.3	6.7	5.7	5.3	6.0	6.1	
SECRETARIAT	7.3	5.7	6.3	6.0	6.0	6.0	6.7	6.1	
WVPB-R-82	7.3	6.0	6.3	6.3	6.0	6.0	6.0	6.1	
AFFINITY	6.7	6.0	6.0	6.0	6.0	5.7	6.0	5.9	
BUCCANEER	6.0	5.0	5.3	5.3	5.3	5.3	6.0	5.4	
EDGE	7.0	4.3	6.0	6.0	5.0	5.3	5.7	5.4	
DP LP-1	6.3	5.3	5.7	5.7	5.3	5.0	5.0	5.3	
DP 17-9391	6.0	5.0	5.3	5.7	5.3	5.0	5.0	5.2	
BY-100	5.7	5.0	5.3	5.7	5.0	4.7	5.0	5.1	
DP 17-9069	5.0	5.3	5.3	5.0	5.0	5.0	5.0	5.1	
YATSUGREEN	6.0	4.0	5.0	5.3	5.0	5.3	5.7	5.1	
DP 17-9496	5.3	2.7	3.7	3.7	4.0	5.0	4.3	3.9	
LINN	4.3	2.3	3.3	3.7	3.0	3.0	3.3	3.1	
LSD VALUE	1.1	0.9	0.9	0.8	1.2	1.1	1.0	0.6	
C.V. (%)	9.2	8.6	8.3	7.3	10.6	10.1	8.6	5.6	

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 24.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP, WA 1/
2003 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MACH 1 (ROBERTS-627)	8.7	5.3	5.7	6.0	5.7	6.0	6.3	6.3	8.0	6.0	6.7	6.3	6.0	6.2
CITATION FORE (PST-2BR)	8.3	5.0	5.7	5.0	6.0	5.7	6.3	6.3	7.7	7.0	6.7	6.0	6.0	6.1
ARRIVAL (CIS-PR-84)	8.7	5.0	5.3	6.0	5.3	5.7	5.3	6.7	7.0	6.3	6.0	6.0	5.0	5.8
PICK PRNGS	7.3	4.3	5.3	5.3	5.3	5.7	7.0	6.3	7.3	6.3	5.7	5.7	4.7	5.8
PIZZAZZ	8.7	4.7	5.0	4.7	5.3	5.7	6.7	6.3	7.3	6.3	6.3	5.3	5.7	5.8
INSPIRE (R8000)	8.0	5.3	5.3	5.3	5.0	5.3	6.3	5.7	7.0	6.3	5.3	6.3	5.0	5.7
APPLAUD (PENNINGTON-11301)	7.7	4.7	5.0	5.3	5.0	5.3	5.3	5.0	7.7	6.7	6.3	5.7	5.3	5.6
CHARISMATIC (LTP 98-501)	8.7	5.3	5.0	5.7	5.0	5.7	5.7	5.7	6.7	6.3	5.7	5.3	5.3	5.6
DAZZLE (ABT-99-4.724)	8.0	5.0	5.0	4.7	5.0	5.0	6.3	6.3	6.7	6.7	6.3	5.7	4.7	5.6
EXACTA	7.7	5.0	5.3	4.3	5.0	5.0	5.3	6.0	7.0	6.3	6.7	6.0	5.0	5.6
GATOR 3 (CIS-PR-85)	8.7	4.7	5.0	4.7	4.7	5.7	6.3	6.0	7.0	6.0	5.7	6.0	5.0	5.6
MANHATTAN 4 (PST-2CRL)	7.0	5.0	5.7	5.3	5.3	5.0	4.7	5.3	6.7	6.7	6.3	5.3	5.3	5.6
PENTIUM (NJ-6401)	8.0	4.7	5.0	5.3	5.3	5.3	5.7	6.0	7.0	6.3	5.7	5.3	5.0	5.6
PINNACLE II (BAR 9 B2)	8.3	5.3	5.3	5.3	4.7	4.3	5.3	5.0	7.3	6.7	6.3	5.7	5.3	5.6
SPLENDID (MB 411)	8.0	4.7	4.0	4.7	6.0	5.3	6.7	5.7	7.3	6.0	6.3	5.0	5.0	5.6
AFFIRMED	7.7	5.3	5.0	5.0	5.0	5.3	5.3	5.7	7.0	6.3	5.7	5.0	5.0	5.5
PENNANT II	8.0	4.3	4.7	5.0	6.0	5.3	5.7	5.7	6.3	6.7	6.0	5.3	5.0	5.5
SALINAS (PST-2SLX)	7.3	4.7	5.0	5.3	5.0	5.0	6.0	6.0	7.0	6.0	6.0	4.7	5.0	5.5
HAWKEYE (SRX 4RHT)	9.0	4.3	4.3	4.0	5.3	5.3	5.7	5.3	6.3	6.3	7.0	5.7	5.3	5.4
KOKOMO (CIS-PR-69)	8.3	4.3	4.7	5.3	4.7	4.7	6.0	5.7	7.3	6.0	5.7	5.3	5.0	5.4
PHANTOM	8.0	4.7	5.0	5.7	5.7	6.0	6.3	5.0	6.3	5.7	5.3	4.7	4.0	5.4
QUEST II (ABT-99-4.721)	7.7	5.0	5.3	4.7	5.0	5.3	5.3	6.0	6.0	5.7	6.0	5.7	4.3	5.4
SR 4500	7.0	4.7	5.0	4.7	5.0	4.7	6.0	5.7	6.7	6.0	6.7	5.0	4.7	5.4
ABT-99-4.464	7.3	4.7	4.7	4.7	4.3	4.3	5.7	6.0	6.7	6.0	7.0	4.7	4.7	5.3
ABT-99-4.815	7.3	4.0	4.3	4.3	5.0	5.3	6.3	5.3	6.7	6.0	5.3	5.3	5.0	5.3
BARLENNIUM	6.7	5.0	5.0	4.7	5.0	4.7	5.0	5.3	7.3	5.7	5.3	5.7	5.3	5.3
BLAZER IV (PICK MDR)	8.7	4.7	5.0	4.7	5.3	5.0	5.3	5.3	6.7	6.0	5.3	5.3	4.7	5.3
HEADSTART	6.7	4.7	5.0	5.0	5.0	5.3	5.7	6.0	6.7	5.0	5.7	5.0	5.0	5.3
LS 2100 (PST-2SBE)	7.3	4.0	4.3	4.7	5.3	5.0	6.0	5.3	7.3	5.7	5.7	5.0	5.0	5.3
RACER II (PICK RC2)	7.3	4.3	4.7	4.7	5.0	5.3	6.0	5.3	6.3	6.0	6.3	5.0	4.7	5.3
RADIANT	8.7	4.3	4.3	5.3	5.7	4.3	5.0	5.7	6.3	6.0	6.0	5.7	5.0	5.3
ABT-99-4.339	7.3	4.3	4.7	4.3	5.0	4.7	5.7	5.3	6.0	5.7	6.3	5.0	5.0	5.2
ADMIRE (JR-151)	7.0	4.7	5.0	4.3	4.3	4.0	6.0	5.7	6.3	5.7	6.0	5.7	4.7	5.2
CABO (CIS-PR-80)	8.3	4.0	4.3	5.0	5.0	5.3	5.3	5.0	6.3	6.3	6.0	5.0	4.7	5.2
COURAGE (MB 410)	7.3	3.7	4.0	5.0	5.7	5.0	6.0	5.3	7.0	5.7	6.0	4.7	4.3	5.2
PEARL II (EPD)	8.0	4.0	4.0	4.3	6.0	5.3	6.0	5.3	6.7	5.3	5.7	4.7	5.0	5.2
EXTREME (JR-317)	7.7	4.7	5.3	4.7	5.0	5.0	5.0	5.3	6.3	5.0	5.7	5.7	5.0	5.2
FIESTA 3	7.7	4.3	5.0	4.3	5.0	4.7	5.3	5.3	6.7	5.7	5.7	5.0	5.0	5.2
GRAND SLAM 2L96 (PST-2L96)	8.0	4.7	5.0	5.0	5.3	5.7	5.3	5.7	5.3	5.3	6.0	5.0	4.3	5.2
ICON (MB 414)	8.3	3.7	4.3	5.0	5.0	5.0	5.3	5.0	6.7	5.7	5.7	6.0	5.0	5.2
IQ (CIS-PR-75)	8.3	4.3	4.3	5.0	5.0	5.0	6.3	5.7	6.7	5.7	5.0	5.0	4.7	5.2
JET	8.7	4.3	5.0	4.3	5.0	4.3	4.7	5.7	6.0	6.0	6.0	5.7	5.7	5.2
LINE DRIVE	7.7	4.3	4.3	4.3	4.7	5.3	6.0	5.3	6.7	6.0	5.7	5.0	4.7	5.2
PACESETTER (6011)	8.0	4.7	4.0	4.3	4.7	4.7	6.0	5.3	6.7	5.7	6.3	5.0	5.0	5.2
PARAGON	7.7	4.7	5.0	4.0	5.0	4.7	5.3	5.3	7.0	5.0	6.0	5.7	5.0	5.2
PICK PR QH-97	8.3	4.0	4.7	4.7	5.0	4.7	5.3	5.3	7.0	5.7	5.3	5.3	5.3	5.2
SEVILLE II	8.0	4.7	4.3	4.3	4.7	4.7	5.3	5.3	6.7	6.0	6.0	5.3	5.0	5.2

TABLE 24. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 1999 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP, WA 1/ 2003 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
APR 1231	7.3	4.7	4.3	5.0	5.3	5.0	5.0	5.7	6.0	5.3	5.3	5.0	4.3	5.1
ASCEND	8.0	4.7	4.7	5.0	5.3	5.0	5.0	4.3	6.3	5.3	5.7	5.3	4.7	5.1
BRIGHTSTAR SLT (PST-2A6B)	8.3	5.0	5.3	4.3	5.0	4.3	5.0	5.0	6.0	5.3	5.7	5.3	4.7	5.1
CATALINA	7.7	4.7	4.7	4.7	5.3	4.7	5.3	5.7	5.7	6.0	5.7	4.3	4.7	5.1
CATALINA II (PST-CATS)	7.7	4.3	4.7	4.7	5.0	5.0	5.0	5.3	6.7	5.3	5.3	5.0	4.7	5.1
DLF-LDD	8.0	4.0	4.0	5.0	5.0	4.7	6.0	4.7	6.7	5.3	6.0	5.0	5.0	5.1
ELFKIN	7.3	4.3	4.3	4.3	4.7	4.7	5.7	5.7	6.3	6.3	5.3	5.0	4.7	5.1
PST-2LA	7.7	4.3	5.0	4.7	4.7	5.0	5.7	5.7	6.0	5.0	5.7	5.0	4.3	5.1
SRX 4120	6.7	4.7	5.0	4.7	4.7	4.7	5.3	5.3	6.0	5.3	6.0	4.7	4.7	5.1
SUNKISSED (ABT-99-4.834)	9.0	4.3	4.3	4.7	4.7	4.3	4.7	5.7	6.3	6.0	6.3	5.0	5.3	5.1
ABT-99-4.115	7.3	4.3	4.3	4.3	4.7	4.3	5.7	5.0	6.0	6.0	6.0	5.0	4.3	5.0
BRIGHTSTAR II	8.3	4.7	4.7	6.0	5.0	4.7	5.0	4.7	5.3	5.3	5.7	4.7	4.0	5.0
CHURCHILL	8.3	4.0	4.3	4.3	4.7	4.3	5.3	5.3	6.0	5.7	6.0	5.0	5.3	5.0
JR-128	6.7	4.3	4.0	5.0	4.7	4.7	5.3	5.3	6.3	5.3	5.7	4.7	5.0	5.0
MP107	7.3	4.3	4.0	4.3	5.0	5.3	5.3	5.0	6.0	5.3	5.3	5.0	5.0	5.0
NEXUS	8.3	4.0	4.0	4.3	5.0	4.3	5.7	5.3	6.3	5.7	6.0	5.3	4.3	5.0
PALMER III	7.3	4.7	5.3	5.0	4.3	4.7	5.3	5.3	6.3	5.0	6.0	4.7	3.7	5.0
PASSPORT	6.3	4.0	4.3	4.7	5.3	4.7	6.3	4.7	6.3	5.7	5.3	4.3	4.3	5.0
PLEASURE XL	7.7	4.0	4.7	5.0	4.7	5.0	5.0	6.0	6.0	5.7	5.3	4.7	4.3	5.0
PREMIER II	7.0	4.3	4.3	4.3	5.0	5.0	5.3	5.3	6.3	5.7	5.3	4.7	4.3	5.0
PROWLER (APR 777)	7.3	4.7	5.0	5.3	5.3	5.3	4.7	5.0	5.7	5.3	5.3	4.3	4.3	5.0
PST-2CRR	8.0	4.0	4.7	4.3	5.0	4.7	5.3	5.7	6.3	5.7	5.7	4.3	4.7	5.0
SR 4350 (APR 1237)	7.0	4.0	4.0	5.0	4.7	5.0	5.3	5.3	6.7	5.3	6.0	5.0	4.0	5.0
SR 4420 (SRX 4820)	8.0	4.7	4.3	4.3	5.0	5.0	5.7	5.0	5.0	6.0	6.0	5.0	4.3	5.0
SUPERSTAR (EP57)	7.3	4.3	4.0	4.7	5.3	4.7	4.7	5.0	6.3	5.3	5.7	5.0	4.7	5.0
WILMINGTON	9.0	4.0	4.0	4.0	5.7	5.0	5.0	4.7	6.3	5.3	6.0	5.0	5.0	5.0
AMAZING (B1)	8.3	4.0	4.7	4.7	5.0	4.7	4.7	5.0	6.3	5.7	5.3	4.7	4.3	4.9
APR 1235	7.0	4.3	4.3	5.0	5.3	4.7	5.3	5.0	5.3	5.3	5.3	5.0	4.3	4.9
CAS-LP84	7.7	5.0	4.0	4.7	5.0	5.0	4.7	5.3	6.0	4.7	5.0	4.7	4.7	4.9
GALLERY (MB 412)	8.7	4.0	3.7	4.7	4.3	4.7	5.0	5.0	7.3	5.3	5.7	5.0	4.0	4.9
LPR 98-144	6.3	4.0	4.0	5.0	5.0	4.7	5.3	5.3	6.3	5.0	5.0	4.7	4.0	4.9
MAJESTY	7.7	4.3	4.3	5.0	4.7	4.0	5.3	5.3	6.0	5.3	5.0	4.7	4.7	4.9
MDP	9.0	3.7	3.7	4.7	5.3	5.0	5.7	5.3	5.7	5.3	5.3	5.0	4.3	4.9
MEPY	8.3	4.3	4.0	5.0	4.7	5.0	5.0	5.3	5.7	5.0	5.7	4.3	4.7	4.9
PANTHER	7.0	4.3	4.3	4.3	4.7	5.0	5.3	5.0	5.7	5.0	6.0	5.0	4.3	4.9
PICK PR B-97	8.0	4.0	4.3	5.3	5.0	4.7	4.7	5.7	6.3	5.0	5.0	4.0	4.3	4.9
PROMISE	8.0	4.3	4.0	4.3	4.0	4.3	5.7	5.0	6.3	6.0	5.0	4.7	4.7	4.9
RENAISSANCE (APR 1233)	6.3	4.3	4.3	4.7	4.7	4.7	5.0	5.3	6.0	5.0	5.3	4.7	4.3	4.9
SR 4220 (SRX 4801)	8.7	3.7	3.7	4.3	4.7	5.0	5.7	5.0	6.3	5.0	6.0	4.7	5.3	4.9
SUMMERSET (MB 413)	8.7	4.0	4.0	4.3	4.7	4.3	4.7	5.3	6.3	5.3	6.0	5.0	4.3	4.9
TERRADYNE (A5C)	8.7	4.3	4.0	4.7	4.7	4.7	4.7	5.0	6.3	5.7	5.7	4.7	4.7	4.9
ABT-99-4.560	8.0	4.3	3.7	4.7	5.0	5.0	5.0	5.3	5.3	5.3	5.3	4.3	4.3	4.8
ABT-99-4.965	8.7	4.3	4.3	4.0	4.7	4.7	5.0	5.7	5.0	5.3	5.0	4.7	4.7	4.8
AFFINITY	6.7	4.3	3.7	4.3	4.0	4.7	5.7	5.0	6.3	5.0	5.0	4.7	4.3	4.8
ALL STAR2 (CIS-PR-78)	8.7	4.0	4.7	5.0	4.3	5.0	5.0	4.7	6.0	5.0	5.7	4.3	4.3	4.8
APR 1232	6.7	4.7	4.0	4.7	4.7	4.3	4.3	4.3	7.0	5.3	5.7	4.7	4.0	4.8
CALYPSO II	6.7	4.3	4.7	4.3	4.0	4.3	5.0	5.0	6.7	5.0	4.7	5.3	4.7	4.8

TABLE 24. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP, WA 1/
2003 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CATHEDRAL II	7.0	3.7	3.7	4.3	4.7	5.0	5.3	4.7	6.3	5.3	5.3	4.3	4.3	4.8
LPR 98-143	6.7	4.3	4.3	5.0	5.0	4.3	5.0	4.0	5.3	5.3	5.7	5.0	4.3	4.8
LTP-ME	8.3	4.7	4.0	4.3	4.7	4.3	4.7	4.7	6.3	5.3	5.3	5.0	4.7	4.8
MONTEREY II (JR-187)	7.0	4.0	4.0	4.3	4.3	5.0	5.0	5.7	6.3	5.0	5.0	5.0	4.3	4.8
MP88	7.7	4.0	4.7	4.7	5.0	4.7	4.7	4.3	5.7	5.0	5.7	4.3	4.3	4.8
PARADIGM (APR 1236)	7.7	3.7	4.0	5.0	5.0	4.7	5.3	4.7	6.3	5.3	5.0	3.7	4.3	4.8
PST-2M4	7.7	4.3	4.3	4.0	4.0	4.3	4.3	5.0	7.0	5.3	5.3	4.7	4.7	4.8
PST-2RT	7.0	4.3	4.3	4.0	4.3	4.3	5.3	5.0	5.7	5.3	5.3	4.3	4.7	4.8
STELLAR (CIS-PR-72)	9.0	4.0	4.7	4.0	4.3	4.7	5.0	5.0	5.7	5.7	5.3	4.7	4.7	4.8
CRUISER (ABT-99-4.709)	8.3	4.3	3.3	3.7	4.7	4.3	4.7	4.3	5.7	5.7	6.0	4.7	5.3	4.7
DIVINE	7.7	4.3	4.3	5.0	5.0	5.0	4.7	5.0	5.0	4.7	5.0	4.3	4.0	4.7
EP53	7.3	3.7	4.0	4.0	5.0	4.7	5.0	4.3	5.7	5.3	6.3	4.7	4.0	4.7
KOOS R-71	6.0	4.3	4.3	5.0	4.7	4.0	5.3	4.7	6.0	4.7	4.7	4.0	4.3	4.7
MANHATTAN 3	7.7	4.0	4.0	4.7	4.3	4.7	5.0	5.0	5.3	5.7	5.7	4.0	4.3	4.7
MP103	8.0	4.0	3.7	4.0	5.7	5.0	4.7	4.7	5.3	5.7	5.3	4.3	4.3	4.7
PICK EX2	6.7	4.0	4.0	4.3	4.3	4.0	5.7	4.7	6.0	5.3	5.0	4.7	4.3	4.7
PR 1-94 (PICK PR 1-94)	8.7	4.0	4.0	5.0	4.7	4.3	5.0	4.7	5.3	5.0	5.3	4.3	4.3	4.7
PST-2JH	7.0	4.0	4.7	4.3	4.0	4.3	5.0	5.3	6.0	4.3	5.3	4.3	4.3	4.7
SECRETARIAT	7.0	3.7	4.0	4.0	4.3	4.7	5.7	4.7	6.0	5.0	5.0	4.7	4.3	4.7
ABT-99-4.600	7.3	4.0	4.3	4.3	4.0	4.7	5.0	5.0	6.0	5.3	5.3	3.7	4.0	4.6
CHARGER II	8.0	3.7	4.3	4.0	4.3	4.7	5.0	4.7	5.7	5.0	5.3	4.0	4.3	4.6
DP 17-9069	5.7	4.3	3.7	4.3	4.7	5.0	5.7	4.7	6.0	4.3	5.0	4.0	3.7	4.6
PROTYME (ABT-99-4.625)	8.3	4.3	3.7	4.0	5.0	4.3	4.7	4.7	5.3	5.0	5.7	4.0	4.7	4.6
BY-100	6.3	4.0	4.0	4.0	4.0	3.7	5.0	4.7	5.3	5.0	5.7	4.7	4.3	4.5
PROSPORT (AG-P981)	7.3	4.3	3.7	3.7	4.3	4.3	4.3	3.7	5.3	5.0	6.0	4.7	5.0	4.5
RACER	6.7	3.7	4.0	4.0	4.3	4.3	4.7	4.3	6.3	4.3	5.0	4.3	4.7	4.5
APR 776	7.3	4.0	3.7	4.0	4.3	4.0	4.7	4.7	5.3	4.7	4.7	4.3	4.3	4.4
EDGE	5.7	4.0	4.0	4.0	4.0	4.3	4.3	4.3	5.0	4.3	5.7	4.3	4.3	4.4
PREMIER	6.0	3.7	3.7	4.3	4.0	4.3	4.7	4.3	5.0	5.0	5.3	4.0	4.3	4.4
WVPB-R-82	5.7	3.7	3.7	4.3	4.7	4.3	5.3	4.0	5.3	4.7	4.7	4.0	4.0	4.4
WVPB-R-84	6.3	3.7	4.3	4.7	4.3	4.0	4.3	4.7	5.0	4.7	5.3	3.7	3.7	4.4
ALLSPORT	7.7	4.0	3.7	4.0	4.3	4.7	4.0	4.3	5.0	4.7	5.0	4.3	4.0	4.3
DP 17-9391	5.7	4.0	3.3	4.0	4.0	4.0	4.7	5.0	4.3	5.3	4.7	4.3	3.7	4.3
DP LP-1	5.3	4.0	3.7	3.7	4.3	4.0	4.7	4.7	5.0	4.7	4.3	4.0	3.3	4.2
SKYHAWK	8.0	3.3	3.0	3.3	4.3	4.3	4.0	4.7	5.7	4.3	5.0	4.3	3.7	4.2
BUCCANEER	6.0	3.3	3.3	4.0	4.0	4.0	4.3	4.0	4.7	4.3	4.7	4.3	4.0	4.1
YATSUGREEN	6.0	3.0	3.7	3.7	4.0	3.7	4.3	4.3	5.0	4.7	4.7	4.0	4.0	4.1
APR 1234	6.7	3.3	3.3	4.3	4.0	3.3	4.0	3.7	4.7	4.0	4.7	3.7	3.3	3.9
DP 17-9496	5.0	3.7	3.3	3.7	3.7	3.3	4.3	4.0	4.0	4.0	4.0	3.0	3.3	3.7
LINN	5.0	3.0	3.0	3.3	3.3	3.0	3.0	3.0	3.3	3.0	3.3	3.0	2.7	3.1
LSD VALUE	0.9	1.2	1.2	1.3	1.5	1.3	2.3	1.3	1.7	2.0	1.6	1.1	1.1	0.6
C.V. (%)	8.0	13.5	14.7	13.7	13.8	13.6	17.1	13.4	14.2	15.8	13.3	13.2	13.1	7.7

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 25.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT MADISON, WI 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT	PERCENT	PERCENT	FALL COLOR				QUALITY RATINGS					MEAN
			COVER SPRING	COVER SUMMER	COVER FALL	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PACESETTER (6011)	7.7	4.0	93.3	96.7	98.3	6.7	3.7	5.3	7.0	7.3	7.3	7.0	6.3	5.0	6.1
APPLAUD (PENNINGTON-11301)	8.0	4.0	92.3	97.3	96.7	7.0	3.3	5.3	7.0	7.3	7.0	6.7	6.0	5.0	6.0
CITATION FORE (PST-2BR)	8.0	3.7	95.0	97.0	97.3	7.0	3.0	5.3	7.0	7.3	6.7	7.3	6.0	5.0	6.0
DLF-LDD	7.7	3.3	93.3	98.0	96.0	7.3	3.0	5.7	6.3	7.3	7.3	6.7	6.7	5.0	6.0
FIESTA 3	8.0	3.7	93.3	97.3	97.7	7.0	3.0	5.0	7.0	7.0	7.0	7.0	6.7	5.0	6.0
MANHATTAN 4 (PST-2CRL)	8.0	3.7	95.0	97.0	98.0	7.0	3.3	4.7	6.3	6.7	7.0	7.3	6.7	5.0	5.9
PANTHER	7.0	4.0	96.0	97.0	97.7	6.7	4.0	5.7	7.0	6.3	6.3	6.0	6.7	5.0	5.9
ABT-99-4.115	7.7	4.0	91.7	97.3	98.3	7.0	3.3	5.3	6.3	6.7	6.7	6.3	6.3	5.0	5.8
AMAZING (B1)	7.7	3.7	92.0	97.0	97.0	7.7	3.3	5.0	6.3	7.0	7.0	6.3	6.3	5.0	5.8
CATALINA	7.0	3.7	94.7	96.7	97.7	6.7	3.7	5.7	6.3	6.7	6.3	6.0	6.3	5.0	5.8
DAZZLE (ABT-99-4.724)	8.0	4.0	93.3	96.3	97.0	7.0	3.3	5.0	6.3	6.7	7.0	6.7	6.7	5.0	5.8
DP 17-9391	5.7	4.0	95.0	98.3	98.0	5.0	4.0	5.3	6.7	6.7	6.7	6.0	6.0	5.0	5.8
EDGE	6.3	4.0	96.3	96.3	95.0	6.0	4.3	5.3	6.7	6.7	6.3	6.0	5.7	5.0	5.8
JET	7.7	3.7	93.3	96.3	96.3	7.3	3.0	4.7	6.0	7.0	7.3	6.7	6.7	5.0	5.8
PASSPORT	6.7	4.0	97.7	98.0	97.3	7.0	3.7	5.7	6.7	6.7	6.0	6.0	6.3	5.0	5.8
PST-2LA	7.7	3.0	88.0	98.3	97.0	7.0	2.7	4.0	6.7	7.7	7.3	7.0	6.0	5.0	5.8
SR 4420 (SRX 4820)	7.7	4.3	96.7	96.0	96.3	7.0	4.0	5.3	6.0	7.0	6.7	6.3	6.3	5.0	5.8
YATSUGREEN	6.0	4.0	95.7	97.0	98.3	6.0	4.3	5.7	6.0	6.3	6.3	6.3	6.7	4.7	5.8
CATHEDRAL II	7.3	3.3	94.0	96.7	96.0	6.7	3.0	5.3	6.7	6.3	6.7	6.0	6.3	5.0	5.7
ELFKIN	7.0	4.0	97.0	98.0	97.0	7.0	3.3	5.7	6.0	6.7	6.7	6.0	6.3	5.0	5.7
EXACTA	7.3	4.0	93.0	97.3	97.3	7.0	3.3	5.0	6.3	6.7	6.3	6.7	6.0	5.0	5.7
PALMER III	7.7	4.0	93.7	97.0	96.3	7.0	3.7	5.3	6.3	6.7	6.7	5.7	6.0	5.0	5.7
PARAGON	7.7	4.0	94.3	96.3	97.7	7.0	3.3	5.3	6.3	6.0	6.3	6.7	6.3	5.0	5.7
QUEST II (ABT-99-4.721)	8.0	4.0	91.3	97.0	96.7	7.0	3.7	5.0	6.0	6.7	6.7	6.3	6.0	5.0	5.7
WVPB-R-82	6.0	4.0	95.7	97.3	98.3	6.0	3.7	5.7	6.3	6.3	6.3	6.0	6.0	5.0	5.7
ABT-99-4.815	8.0	3.3	96.0	96.3	97.0	7.0	3.3	4.7	6.0	6.7	6.3	6.3	6.7	5.0	5.6
ADMIRE (JR-151)	7.0	3.7	97.0	97.0	96.0	6.7	3.0	5.3	6.0	6.7	6.7	6.0	6.3	5.0	5.6
AFFIRMED	7.0	4.0	97.3	94.3	96.0	6.7	3.3	5.7	6.0	6.0	6.0	6.0	6.7	5.0	5.6
ALL STAR2 (CIS-PR-78)	7.7	3.7	88.3	97.0	97.0	7.3	3.0	4.0	6.0	7.0	6.7	7.0	6.0	5.0	5.6
DIVINE	6.7	4.0	96.3	96.7	97.0	6.3	3.7	5.3	6.3	6.3	6.7	6.0	5.7	5.0	5.6
DP 17-9069	6.3	3.3	95.3	98.0	97.7	5.0	3.0	5.0	6.7	6.7	6.3	5.7	6.3	5.0	5.6
DP LP-1	6.3	4.3	97.0	97.7	97.0	5.7	3.7	5.3	6.0	7.0	6.0	6.0	6.0	5.0	5.6
GRAND SLAM 2L96 (PST-2L96)	7.7	3.3	92.7	98.0	96.0	7.0	3.0	5.3	6.0	6.7	6.7	6.3	5.7	5.0	5.6
INSPIRE (R8000)	8.0	3.3	94.0	96.3	97.3	7.3	3.3	4.3	6.3	6.0	6.7	6.7	6.3	5.0	5.6
JR-128	6.7	4.0	96.3	97.3	97.0	6.3	3.7	5.0	6.0	7.0	6.3	6.0	5.7	5.0	5.6
KOKOMO (CIS-PR-69)	8.3	4.0	94.7	94.0	95.3	7.0	3.7	5.0	6.3	6.3	6.7	6.0	5.7	5.0	5.6
LINE DRIVE	7.7	3.7	95.3	97.7	96.3	6.7	3.7	5.0	6.7	6.7	6.7	5.7	5.3	5.0	5.6
MACH 1 (ROBERTS-627)	8.0	3.7	93.3	94.7	93.0	7.7	3.7	5.7	6.3	6.7	6.3	6.0	5.7	4.7	5.6
PENTIUM (NJ-6401)	7.7	3.3	90.7	97.3	96.3	7.0	2.7	4.7	6.3	6.7	7.0	6.7	6.0	5.0	5.6
PREMIER II	7.7	4.0	94.7	96.3	97.0	7.0	3.7	5.0	6.3	6.3	6.0	6.0	6.3	5.0	5.6
SR 4500	8.0	4.0	94.7	96.3	94.0	7.0	3.0	5.3	6.3	6.7	6.7	5.7	6.0	5.0	5.6
WVPB-R-84	6.3	4.0	96.3	97.0	96.0	6.0	3.3	5.3	6.7	6.7	6.3	5.7	6.0	5.0	5.6
ABT-99-4.560	8.3	3.3	94.0	95.7	96.0	7.0	3.0	5.3	6.7	6.3	6.3	6.0	5.7	5.0	5.5
ABT-99-4.600	7.0	4.0	95.0	97.0	97.0	7.0	3.3	5.0	6.0	7.0	5.7	6.0	6.3	5.0	5.5
AFFINITY	6.3	3.7	94.3	96.7	96.3	6.0	3.3	5.0	6.0	6.0	6.7	6.0	6.3	4.7	5.5
ALLSPORT	7.3	4.0	93.3	97.7	97.3	7.0	3.7	5.0	6.3	6.3	5.7	6.0	6.0	5.0	5.5
APR 1231	6.3	3.7	91.0	98.0	98.0	6.0	3.0	4.7	6.3	6.7	6.3	6.0	6.0	5.0	5.5

TABLE 25.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT MADISON, WI 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT	PERCENT	PERCENT	FALL				QUALITY RATINGS					MEAN
			COVER SPRING	COVER SUMMER	COVER FALL	COLOR SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
BLAZER IV (PICK MDR)	8.0	3.0	92.3	96.3	96.3	7.3	3.0	5.0	6.0	6.7	6.7	6.7	5.7	4.7	5.5
BRIGHTSTAR II	8.0	3.7	96.0	94.7	94.0	7.0	3.3	4.7	6.7	6.3	6.7	5.7	5.3	5.0	5.5
BRIGHTSTAR SLT (PST-2A6B)	7.7	3.7	93.0	96.7	97.3	7.0	3.3	4.3	5.7	6.7	6.7	6.7	5.7	5.0	5.5
BY-100	6.3	4.0	96.7	95.0	93.3	6.0	4.0	5.3	6.0	6.3	6.3	5.3	5.3	5.0	5.5
CABO (CIS-PR-80)	8.0	3.3	94.0	96.3	94.3	7.0	3.3	4.7	6.0	6.7	6.3	6.0	6.0	5.0	5.5
CALYPSO II	6.7	4.0	96.3	96.7	96.0	6.7	4.0	5.7	6.0	6.3	5.7	5.7	5.7	5.0	5.5
CATALINA II (PST-CATS)	8.0	4.0	95.7	95.0	96.0	7.0	3.3	4.7	6.3	6.0	6.0	6.3	6.0	5.0	5.5
PEARL II (EPD)	7.0	4.3	96.0	97.3	95.7	6.7	3.3	5.3	6.7	6.3	5.7	6.0	5.7	5.0	5.5
IQ (CIS-PR-75)	7.7	3.3	97.7	96.7	96.7	7.0	3.0	4.3	6.3	6.3	6.7	6.3	5.7	5.0	5.5
LPR 98-144	7.0	4.3	97.3	95.7	94.7	6.7	4.3	5.3	6.0	6.0	6.0	6.0	5.7	5.0	5.5
MAJESTY	7.3	3.7	94.7	94.3	97.0	6.7	3.3	4.7	6.3	6.3	6.7	5.7	5.7	5.0	5.5
PICK EX2	6.3	3.7	91.7	95.7	96.3	6.0	3.7	5.3	6.3	6.0	5.7	6.0	5.7	5.0	5.5
PICK PR QH-97	7.7	4.0	96.0	96.3	94.3	7.0	3.3	5.0	6.0	6.3	6.3	6.0	5.7	5.0	5.5
PST-2JH	7.0	3.7	94.7	95.3	96.7	6.7	3.7	5.0	6.0	6.7	6.0	6.3	5.7	5.0	5.5
SECRETARIAT	6.3	4.0	96.0	97.7	97.0	6.3	3.7	5.3	6.0	7.0	6.0	5.3	5.7	5.0	5.5
SEVILLE II	7.3	4.0	93.0	96.3	95.0	7.0	3.7	5.0	5.7	6.7	6.0	6.3	6.0	4.3	5.5
SR 4220 (SRX 4801)	7.7	3.0	89.3	96.7	95.3	7.3	3.0	4.3	6.3	6.7	6.7	6.3	6.3	4.7	5.5
ABT-99-4.464	7.7	3.3	94.7	96.7	95.3	6.7	3.0	5.0	6.0	6.3	6.3	5.7	5.7	5.0	5.4
ASCEND	7.7	3.3	96.0	96.7	96.3	7.0	3.0	4.3	6.0	6.3	6.3	6.3	5.7	5.0	5.4
CHARISMATIC (LTP 98-501)	8.0	4.0	94.3	95.7	95.0	7.3	3.3	5.7	5.7	6.3	5.7	6.0	5.7	4.7	5.4
GATOR 3 (CIS-PR-85)	8.0	3.7	91.3	95.7	94.7	7.7	3.0	4.3	5.3	6.3	6.3	6.3	6.7	5.0	5.4
HEADSTART	6.3	3.7	96.3	95.3	97.0	6.0	3.7	5.0	5.7	6.3	6.3	5.7	5.7	5.0	5.4
LPR 98-143	6.7	4.0	98.3	95.3	95.0	6.0	3.7	5.3	6.0	6.0	6.0	5.7	5.3	5.0	5.4
MONTEREY II (JR-187)	7.0	3.7	94.0	95.7	95.3	6.3	3.7	5.0	6.3	6.7	5.7	5.7	5.0	5.0	5.4
PHANTOM	7.7	4.0	98.0	96.0	95.3	7.0	3.7	5.3	6.3	6.3	6.0	5.7	5.3	4.7	5.4
PREMIER	6.7	4.0	97.7	96.7	97.3	6.0	3.7	5.0	5.7	6.0	6.3	6.0	5.3	5.0	5.4
PST-2M4	7.7	3.7	94.7	96.0	94.3	7.0	3.3	5.0	5.7	6.0	6.7	6.3	5.3	5.0	5.4
PST-2RT	7.0	3.7	97.3	95.7	96.7	6.7	3.3	5.3	6.0	6.0	6.0	5.7	5.7	5.0	5.4
RACER II (PICK RC2)	7.3	3.7	96.0	96.3	92.0	6.3	3.0	5.0	6.0	6.3	6.0	6.0	5.7	5.0	5.4
SRX 4120	6.7	3.7	95.7	95.7	94.7	6.3	3.3	5.7	6.0	6.3	6.0	5.7	5.7	4.7	5.4
STELLAR (CIS-PR-72)	8.0	4.0	96.0	95.0	93.7	7.3	3.3	5.0	6.0	6.7	6.0	6.0	5.3	5.0	5.4
ABT-99-4.339	7.0	3.3	93.7	96.7	94.3	7.0	3.0	4.7	6.3	6.7	5.7	5.7	5.7	4.7	5.3
APR 1232	6.3	3.3	92.3	93.3	93.7	6.0	3.0	4.7	5.7	6.0	6.7	6.0	5.3	5.0	5.3
ARRIVAL (CIS-PR-84)	8.3	3.0	90.0	94.3	93.7	8.0	3.0	4.3	6.3	6.3	6.3	6.0	5.7	4.7	5.3
BUCCANEER	6.0	4.3	96.7	94.7	93.7	6.0	4.0	5.0	5.7	6.0	5.3	5.7	5.7	5.0	5.3
CAS-LP84	7.0	3.7	96.7	97.0	95.3	7.0	3.0	5.3	6.3	6.0	6.0	5.7	5.3	5.0	5.3
CHARGER II	7.7	4.0	95.3	94.7	93.3	6.7	3.7	5.3	6.0	6.3	5.7	5.3	5.3	5.0	5.3
CHURCHILL	8.0	3.7	95.3	94.7	94.7	7.0	3.3	4.3	6.0	6.3	5.3	6.0	5.7	5.0	5.3
EXTREME (JR-317)	7.7	3.7	96.3	95.7	93.3	6.7	3.0	4.7	6.3	6.0	6.3	5.3	5.7	5.0	5.3
KOOS R-71	6.3	4.0	97.3	96.3	94.3	6.0	3.7	5.3	6.0	6.0	5.7	5.3	5.3	5.0	5.3
LTP-ME	7.7	4.0	97.3	94.7	95.7	7.0	4.0	4.7	5.7	6.0	6.0	5.7	5.3	5.0	5.3
MANHATTAN 3	7.0	4.0	92.7	92.7	92.0	6.7	3.7	5.3	5.7	6.0	5.7	6.0	5.3	4.7	5.3
MEPY	7.3	3.7	95.3	95.3	93.7	7.0	3.0	4.7	6.0	5.7	6.0	6.3	5.7	5.0	5.3
MP103	7.3	3.3	94.0	94.3	95.7	7.0	3.0	4.7	6.0	5.7	6.3	6.0	5.3	5.0	5.3
MP88	7.3	4.0	93.7	95.7	92.0	7.0	3.0	4.7	5.7	6.7	6.0	5.7	5.7	4.7	5.3
PENNANT II	8.3	3.0	95.3	94.0	95.7	7.0	3.0	4.3	6.0	6.0	6.3	5.7	5.7	5.0	5.3
PIZZAZZ	7.3	3.3	90.7	93.3	93.0	7.7	2.7	4.3	5.7	6.3	6.0	6.3	6.0	4.7	5.3

TABLE 25.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
1999 NATIONAL PERENNIAL RYEGRASS TEST AT MADISON, WI 1/
2003 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT COVER			FALL COLOR		QUALITY RATINGS								MEAN
			SPRING	SUMMER	FALL	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
PROMISE	7.7	4.0	94.7	95.0	94.0	6.7	3.3	5.0	5.3	5.7	6.3	5.7	5.7	5.0	5.3	
SALINAS (PST-2SLX)	7.7	3.3	95.0	95.0	94.0	7.0	3.0	5.3	6.3	6.3	6.0	5.3	5.3	5.0	5.3	
SR 4350 (APR 1237)	7.0	4.0	94.7	95.7	95.0	6.0	3.0	4.7	6.0	6.0	5.7	6.0	6.0	5.0	5.3	
SUNKISSED (ABT-99-4.834)	7.3	4.0	91.7	96.0	94.0	7.7	3.3	4.7	5.7	6.3	6.3	5.7	5.0	5.0	5.3	
BARLENNIUM	7.7	3.7	95.3	95.3	96.0	7.0	3.3	4.3	6.0	6.0	5.3	5.7	5.7	5.0	5.2	
HAWKEYE (SRX 4RHT)	8.0	4.0	96.0	94.7	92.3	7.0	3.0	4.7	6.0	6.3	6.0	5.7	5.3	4.7	5.2	
ICON (MB 414)	7.7	3.7	93.7	94.0	95.3	7.0	3.0	4.7	5.3	6.0	6.0	6.0	5.7	5.0	5.2	
MP107	7.0	4.0	93.3	94.7	92.0	6.7	3.0	4.7	6.0	6.0	6.0	5.3	5.3	5.0	5.2	
PICK PRNGS	7.3	3.3	95.0	96.0	93.0	6.0	3.0	5.0	5.7	6.0	6.0	5.3	5.3	5.0	5.2	
PINNACLE II (BAR 9 B2)	8.3	3.3	88.3	95.3	93.7	7.7	3.0	4.0	5.0	7.0	6.0	6.3	5.3	5.0	5.2	
PROSPORT (AG-P981)	6.7	4.0	94.3	93.7	93.7	7.0	3.7	5.0	6.0	5.7	5.7	5.3	5.0	5.0	5.2	
RACER	6.7	4.0	95.3	94.3	95.7	6.0	3.7	5.0	6.0	6.0	5.3	5.3	5.3	4.7	5.2	
RADIANT	8.0	3.3	90.7	94.7	92.3	7.3	3.3	4.7	6.0	5.3	6.7	5.3	5.3	5.0	5.2	
SPLendid (MB 411)	8.0	3.0	91.7	94.7	95.7	7.0	3.0	4.7	6.3	6.0	5.7	5.7	5.3	4.7	5.2	
APR 776	6.0	3.7	95.3	95.0	95.0	6.0	3.7	5.0	5.7	5.7	5.7	5.3	5.0	5.0	5.1	
MDP	7.7	3.7	96.3	96.0	95.7	7.0	3.0	4.0	5.7	6.0	6.0	5.7	5.3	5.0	5.1	
PLEASURE XL	7.0	3.3	94.7	94.3	94.7	6.7	3.0	4.7	6.3	6.0	5.7	5.0	5.3	5.0	5.1	
PROWLER (APR 777)	6.0	3.7	95.7	95.0	94.7	6.0	3.3	4.3	6.0	6.0	5.7	5.7	5.3	4.7	5.1	
LS 2100 (PST-2SBE)	7.3	3.3	94.3	94.3	96.0	6.7	3.0	4.3	6.0	5.3	5.7	6.0	5.7	5.0	5.1	
SUPERSTAR (EP57)	8.0	4.0	98.3	95.3	94.0	7.0	3.0	5.0	6.0	6.0	5.7	5.3	5.3	4.7	5.1	
PR 1-94 (PICK PR 1-94)	8.3	3.7	98.3	92.3	90.7	7.0	3.3	4.7	5.7	5.7	5.3	5.3	5.0	5.0	5.0	
PICK PR B-97	8.0	3.7	98.0	92.7	91.7	7.0	3.0	4.7	5.7	6.0	5.3	5.3	5.0	5.0	5.0	
PST-2CRR	8.0	4.0	98.7	93.7	90.3	7.0	3.3	5.0	6.0	5.3	5.7	5.0	4.7	5.0	5.0	
RENAISSANCE (APR 1233)	6.3	3.0	94.0	96.3	95.7	5.7	3.0	4.7	5.7	6.3	5.3	5.7	5.0	4.7	5.0	
SKYHAWK	6.7	3.7	94.3	94.7	93.3	6.7	3.0	4.7	5.3	5.7	5.7	5.3	5.0	5.0	5.0	
SUMMERSET (MB 413)	8.0	3.3	92.0	93.7	91.7	7.0	3.0	4.3	6.0	6.0	5.7	5.0	5.3	5.0	5.0	
ABT-99-4.965	8.0	4.3	97.0	91.0	93.3	7.0	3.7	4.7	5.3	5.3	5.3	5.0	5.0	5.0	4.9	
COURAGE (MB 410)	7.3	4.0	96.0	92.3	93.3	7.0	3.0	4.3	5.3	5.7	5.7	5.3	5.3	4.7	4.9	
GALLERY (MB 412)	8.3	3.7	93.3	93.3	91.3	7.0	3.0	4.0	6.0	6.0	5.3	5.0	5.0	5.0	4.9	
TERRADYNE (A5C)	7.7	4.3	95.0	89.0	87.3	8.0	3.7	5.0	5.3	5.3	5.3	5.0	5.3	4.3	4.9	
APR 1234	6.0	3.3	96.3	95.0	92.3	5.3	3.0	4.7	5.3	5.3	5.3	5.0	5.0	4.7	4.8	
DP 17-9496	6.0	3.7	95.0	96.7	94.3	5.3	3.0	4.3	5.3	6.0	5.0	5.0	5.7	4.0	4.8	
EP53	7.0	3.3	96.7	92.3	88.7	6.7	3.3	4.7	5.7	5.7	5.0	4.7	4.7	4.7	4.8	
PARADIGM (APR 1236)	6.3	4.0	97.7	94.7	87.7	7.0	3.3	5.0	5.7	5.3	5.7	4.3	5.0	4.3	4.8	
PROTYME (ABT-99-4.625)	8.0	4.0	97.7	93.7	91.0	7.0	3.3	4.3	6.0	5.7	5.0	4.7	5.0	4.7	4.8	
WILMINGTON	7.7	3.3	94.7	92.3	91.0	7.3	3.3	4.3	5.3	5.3	5.3	4.7	4.7	4.7	4.7	
APR 1235	6.7	3.0	94.0	91.0	81.3	6.3	3.0	4.3	5.3	5.3	4.7	5.0	4.7	4.3	4.6	
NEXUS	8.3	3.3	93.0	92.0	83.7	7.0	2.7	4.0	5.3	5.0	5.3	4.3	4.3	4.7	4.5	
CRUISER (ABT-99-4.709)	7.7	3.3	97.3	83.3	74.7	7.0	3.0	4.0	4.7	4.7	4.3	4.3	4.0	4.0	4.1	
LINN	5.0	3.0	94.0	94.0	83.3	4.0	2.3	3.7	4.0	4.0	4.0	3.3	3.7	2.7	3.5	
LSD VALUE	0.9	1.0	7.7	7.0	8.6	0.5	1.2	1.2	2.2	1.8	1.5	1.7	1.7	0.6	0.8	
C.V. (%)	7.8	12.1	3.2	2.9	4.4	5.2	15.2	11.6	11.7	12.2	11.8	13.7	13.0	6.6	7.7	

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.