

TABLE 1. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	STEM RUST	MAY	JUN	QUALITY RATINGS				MEAN
					JUL	AUG	SEP	OCT	
KARMA (PICK 10401)	5.3	8.7	6.3	6.3	6.7	7.7	7.7	7.0	6.9
PANGEA GLR (CL 11701)	7.0	9.0	6.7	7.0	6.0	6.3	7.3	8.3	6.9
EVOLUTION (S85)	4.7	8.3	6.7	6.3	6.0	7.7	7.0	7.3	6.8
SIDEWAYS (PSRX-S84)	5.7	7.0	6.3	7.0	6.3	6.7	6.7	7.3	6.7
STAMINA (IS-PR 487)	5.7	9.0	5.7	7.0	7.0	6.7	6.3	6.7	6.6
OCTANE	5.3	8.7	5.7	6.3	7.0	7.0	6.3	6.7	6.5
PILLAR (CST)	5.3	7.7	7.0	6.7	6.0	7.0	6.3	6.0	6.5
PREMIUM (PPG-PR 137)	6.0	8.7	5.7	6.0	6.3	7.0	6.7	7.3	6.5
CL 11601	6.3	8.3	6.0	6.0	6.0	7.0	7.0	6.7	6.4
GRAND SLAM GLD (PPG-PR 164)	5.3	8.7	5.7	7.3	5.7	6.7	6.3	6.7	6.4
LTP-PR 135	5.0	8.0	5.0	6.3	6.7	6.7	6.3	7.3	6.4
SR 4650 (PSRX-3701)	6.3	8.7	6.7	6.7	5.7	5.7	7.0	7.0	6.4
APPLE SGL (PPG-PR 140)	5.3	8.3	5.0	6.3	6.3	6.3	7.3	6.3	6.3
PIZZAZZ 2 GLR (PR 909)	5.0	8.0	5.3	6.3	6.3	6.7	6.7	6.7	6.3
BANDALORE (IS-PR 463)	5.3	7.7	5.0	7.0	6.7	5.3	6.3	6.7	6.2
BANFIELD (IS-PR 489)	5.7	8.3	5.3	5.7	6.7	6.3	6.0	7.0	6.2
EXPEDITE (CL 307)	4.7	8.7	5.3	6.0	6.3	6.7	5.7	7.0	6.2
JR-178	5.0	7.0	5.3	6.3	7.0	6.0	6.3	6.3	6.2
LTP-RAE	5.7	9.0	4.7	5.7	6.7	7.0	6.3	6.7	6.2
PPG-PR 142	5.3	6.3	4.7	7.3	5.7	6.3	6.7	6.3	6.2
STELLAR 3GL (PPG-PR 134)	5.0	9.0	4.3	6.0	6.0	7.7	6.7	6.7	6.2
GREEN SUPREME (PPG-PR 121)	5.3	8.7	6.0	6.3	6.0	5.7	6.3	6.0	6.1
PPG-PR 136	5.7	7.0	5.3	6.0	6.7	6.0	6.0	6.7	6.1
DOMINATOR (PST-2AG4)	6.0	8.0	6.7	6.3	5.7	4.3	6.0	7.0	6.0
MANHATTAN 6 GLR (PST-2MAGS)	5.0	8.3	5.7	6.0	6.3	5.3	6.0	6.7	6.0
METOLIUS (PPG-PR 165)	5.0	7.3	5.0	5.7	6.0	7.0	6.0	6.3	6.0
SR4660ST (SRX-4MSH)	4.3	8.7	5.3	6.7	6.7	6.0	5.7	5.7	6.0
APR 2320	6.0	6.3	6.0	7.0	5.3	4.0	6.0	7.0	5.9
BONNEVILLE	5.0	7.3	5.3	6.3	5.7	6.0	6.0	6.0	5.9
PACIFIC GEM (PST-2MG7)	5.3	7.0	6.3	7.0	5.0	4.7	5.7	6.7	5.9
GO-PR60	5.0	7.0	5.7	6.7	5.7	3.7	6.7	6.7	5.8
THRIVE (IS-PR 469)	4.3	7.7	5.3	6.0	6.3	5.0	5.0	7.0	5.8
AMAZING A+ (PPG-PR 138)	4.3	9.0	4.7	5.7	5.7	6.0	5.7	6.7	5.7
PST-2ACR	5.0	7.3	5.0	6.3	6.0	4.0	5.7	7.0	5.7
PST-2BNS	6.0	7.7	5.7	6.0	5.7	5.7	5.7	5.7	5.7
PST-2NJK	5.7	7.7	5.3	6.0	5.3	4.7	6.3	6.3	5.7
PST-2NKM	5.0	6.3	6.0	6.0	5.0	4.3	6.0	7.0	5.7
WICKED (SRX-4RHD)	6.0	8.0	5.7	6.0	6.3	4.7	5.7	6.0	5.7
FASTBALL RGL (PPG-PR 133)	4.7	9.0	5.3	6.0	5.3	5.3	5.3	6.3	5.6
JR-192	6.3	3.3	6.3	6.3	4.3	4.3	5.7	6.3	5.6
PEPPER (RAD-PR62)	5.0	6.0	6.3	5.7	6.0	3.7	5.7	6.0	5.6
RIO VISTA	5.0	7.7	4.7	5.3	6.0	5.3	5.7	6.7	5.6
ASPIRE (IS-PR 491)	4.7	7.0	4.7	5.7	5.7	4.3	6.0	6.7	5.5
DILIGENT (IS-PR 492)	4.3	8.7	4.3	5.7	6.0	5.3	5.3	5.7	5.4
PST-2DR9	4.7	6.3	5.3	5.3	6.0	4.0	5.3	6.7	5.4
RAINWATER (PST-2TQL)	4.7	5.0	5.3	6.3	5.0	4.7	5.7	5.7	5.4
PALMER V	5.3	6.7	5.3	6.0	5.0	4.7	5.0	6.0	5.3

TABLE 1. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
 2014 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	STEM RUST	MAY	JUN	QUALITY JUL	RATINGS AUG	SEP	OCT	MEAN
PPG-PR 128	5.3	8.7	4.0	5.3	5.0	5.7	6.0	5.7	5.3
PROVOST (PPG-PR 143)	5.0	8.7	3.7	5.7	6.0	5.3	5.0	6.0	5.3
SALINAS II (PST-204D)	5.3	7.7	5.3	5.7	5.0	4.3	5.7	6.0	5.3
SOX FAN (GM3)	6.3	8.0	4.7	6.0	5.7	4.7	5.0	6.0	5.3
ASP 0112 (A-35)	6.7	6.7	6.3	6.0	4.3	3.3	5.3	5.7	5.2
PROMINENT (CS-20)	5.0	5.3	5.7	6.3	4.7	3.0	5.3	6.3	5.2
PRX-4GM1	5.3	7.7	5.0	6.0	5.3	4.3	4.7	6.0	5.2
SUNSTREAKER (APR 2036)	6.0	7.0	5.3	6.3	5.0	3.7	5.3	5.7	5.2
UNO	5.3	4.7	5.3	6.0	5.3	3.7	5.0	6.0	5.2
HANCOCK (IS-PR 479)	5.7	6.0	5.3	6.0	4.7	3.7	5.0	5.7	5.1
PST-2K9	4.3	7.3	4.7	5.3	6.0	4.0	5.0	5.3	5.1
RAD-PR55R	4.0	6.7	4.3	5.7	5.3	4.0	5.3	6.0	5.1
RIPTIDE (IS-PR 409)	6.0	7.3	4.3	6.0	5.7	4.0	5.0	5.7	5.1
DLF LGD-3022	5.0	7.3	3.7	5.0	5.7	4.3	5.3	6.0	5.0
FIESTA 4	5.3	6.3	4.7	6.0	5.0	3.7	5.0	5.7	5.0
GO-G37	6.0	6.3	5.0	5.7	4.7	3.7	5.0	6.0	5.0
ALLANTE	3.7	5.3	5.0	5.0	4.3	4.3	5.0	5.7	4.9
APR 2445	5.0	5.7	4.3	5.3	5.0	3.7	5.7	5.7	4.9
BAR LP 10969	5.3	5.7	5.3	6.0	4.0	3.0	5.7	5.3	4.9
DLF LGT 4182	5.7	4.3	5.0	6.7	4.7	3.3	4.7	5.3	4.9
HAVEN (APR 2038)	4.7	4.7	4.7	6.3	4.3	4.7	4.3	5.3	4.9
SEDUCTIVE (ISG-30)	6.0	4.7	5.3	6.0	4.0	3.3	5.0	5.7	4.9
BAR LP 7608	5.3	5.0	5.3	5.7	4.7	4.0	4.3	4.7	4.8
CS-PR66	4.7	3.3	4.3	6.0	4.3	3.7	4.7	6.0	4.8
BAR LP 10970	5.3	6.3	4.0	6.0	5.0	4.0	4.7	4.7	4.7
BRIGHTSTAR SLT	4.7	5.3	5.0	5.0	4.0	4.0	5.0	5.0	4.7
INSIGHT	4.3	5.7	4.0	4.3	5.0	4.0	5.0	5.7	4.7
PINNACLE	5.0	3.3	5.3	5.3	5.0	3.3	4.0	5.0	4.7
PLAYOFF 2 (P02)	4.3	5.7	4.3	5.3	5.0	3.3	4.3	6.0	4.7
RINOVO	5.0	6.0	4.0	5.0	4.7	4.3	5.0	5.3	4.7
BAR LP 10972	4.7	5.0	4.7	6.0	4.0	3.7	4.3	5.0	4.6
DLF LGD-3026	4.0	7.7	4.3	4.7	4.7	4.0	4.3	5.3	4.6
EXCELLENCE (ISG-31)	6.0	5.0	5.0	5.7	4.3	3.0	4.0	5.7	4.6
GO-DHS	6.7	5.0	6.0	6.0	3.3	3.0	4.3	5.0	4.6
VINTAGE (ISG-36)	6.7	6.3	5.0	5.0	4.0	3.3	5.0	5.3	4.6
MACH I	5.7	5.7	3.3	5.0	4.7	4.0	4.7	4.7	4.4
MONSIEUR (IS-PR 488)	3.7	6.7	3.0	4.3	5.3	5.0	4.3	4.7	4.4
PICK 4DFHM	5.3	5.3	5.0	5.3	4.7	3.0	4.0	4.7	4.4
PSRX-4CAGL	4.3	5.3	3.3	6.0	4.7	3.0	4.0	5.3	4.4
SIENNA	3.3	7.3	4.3	4.3	4.7	4.0	4.3	4.7	4.4
LINN	3.0	9.0	2.0	4.3	4.7	3.3	3.0	4.3	3.6
LSD VALUE	2.6	2.4	2.7	2.3	1.8	1.4	1.8	1.8	1.1
C.V. (%)	20.2	20.3	22.8	15.4	17.5	18.7	17.4	15.2	11.7

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 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT URBANA, IL 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
HANCOCK (IS-PR 479)	6.7	6.7	6.0	7.7	7.3	7.0	7.0	7.7	7.3	7.1
PANGEA GLR (CL 11701)	6.7	6.3	6.7	7.7	7.0	6.7	7.3	6.7	7.0	7.0
CL 11601	6.7	7.3	6.3	7.3	6.7	7.0	6.3	7.3	6.7	6.8
PST-2K9	6.0	6.0	5.3	7.3	7.3	6.7	6.7	7.0	7.0	6.8
CS-PR66	6.0	6.0	5.7	7.7	6.7	6.7	7.0	6.7	6.7	6.7
PALMER V	6.3	6.0	5.0	6.7	7.0	6.3	7.0	7.3	7.3	6.7
SR 4650 (PSRX-3701)	6.0	6.3	5.7	7.0	7.0	7.0	6.7	6.7	6.7	6.7
SUNSTREAKER (APR 2036)	6.3	7.0	5.3	7.3	7.0	6.3	7.0	6.7	7.0	6.7
GRAND SLAM GLD (PPG-PR 164)	6.3	6.7	6.7	7.0	5.7	7.3	6.7	6.3	6.7	6.6
RINOVO	6.0	6.7	7.3	6.7	6.3	6.3	6.7	6.0	7.0	6.6
WICKED (SRX-4RHD)	6.3	6.7	5.0	7.0	6.7	7.0	7.0	6.7	7.0	6.6
PEPPER (RAD-PR62)	6.0	5.7	5.0	7.0	6.0	6.7	7.0	7.0	6.7	6.5
STAMINA (IS-PR 487)	6.0	6.3	5.3	6.7	7.0	6.7	6.7	6.7	6.7	6.5
DILIGENT (IS-PR 492)	6.7	6.0	5.3	7.0	6.3	6.0	7.0	6.7	6.7	6.4
JR-192	6.0	6.3	4.7	7.3	7.0	6.3	6.0	6.7	6.7	6.4
PIZZAZZ 2 GLR (PR 909)	6.3	6.7	4.7	7.0	6.7	6.0	7.0	6.3	7.0	6.4
PST-2NKM	5.7	5.7	6.7	6.3	6.7	6.7	5.7	6.7	6.0	6.4
STELLAR 3GL (PPG-PR 134)	6.0	6.0	5.3	7.0	6.0	6.7	6.7	6.3	7.0	6.4
APR 2320	6.3	7.0	6.0	6.7	6.7	5.7	6.3	6.3	6.3	6.3
ASPIRE (IS-PR 491)	6.0	5.3	4.3	7.0	6.3	5.7	6.7	7.3	6.3	6.2
EXPEDITE (CL 307)	6.3	6.0	5.7	8.0	6.3	5.0	5.7	6.0	6.7	6.2
GREEN SUPREME (PPG-PR 121)	6.0	6.3	5.7	6.3	6.0	5.7	6.7	6.7	6.7	6.2
INSIGHT	5.7	5.3	4.3	7.0	7.0	5.0	7.0	6.7	6.3	6.2
PST-2ACR	6.0	6.0	5.7	6.7	6.0	7.0	6.7	5.3	6.3	6.2
SR4660ST (SRX-4MSH)	6.0	5.3	4.7	6.3	6.7	6.0	6.7	6.7	6.3	6.2
THRIVE (IS-PR 469)	7.0	6.0	4.3	7.0	6.3	7.0	5.3	6.3	7.3	6.2
APR 2445	6.0	7.3	4.0	6.7	6.0	6.3	6.0	7.3	6.7	6.1
EVOLUTION (S85)	6.0	6.0	5.7	6.0	6.3	6.0	6.3	6.0	6.7	6.1
LTP-PR 135	6.3	4.7	3.0	6.7	7.0	6.0	7.0	6.7	6.7	6.1
PREMIUM (PPG-PR 137)	6.0	6.3	5.0	6.7	6.7	6.3	6.0	6.3	6.0	6.1
PST-2NJK	6.3	5.7	5.0	6.7	6.7	6.0	7.0	5.0	6.3	6.1
BANFIELD (IS-PR 489)	6.0	6.3	5.3	6.0	6.0	5.7	6.3	6.0	7.0	6.0
FASTBALL RGL (PPG-PR 133)	6.0	6.3	4.7	7.0	6.7	6.3	6.0	5.3	6.3	6.0
JR-178	6.0	6.0	5.0	6.3	6.0	6.3	6.0	5.7	6.3	6.0
MANHATTAN 6 GLR (PST-2MAGS)	6.3	6.3	4.7	6.0	6.7	6.3	6.0	6.0	6.7	6.0
PSRX-4CAGL	6.7	6.0	5.0	6.0	6.3	6.3	5.7	6.3	6.7	6.0
RAD-PR55R	6.0	6.0	5.3	6.3	6.3	5.0	5.7	6.7	6.3	6.0
RIPTIDE (IS-PR 409)	6.3	6.3	5.0	6.3	5.7	6.0	6.0	6.0	6.7	6.0
SALINAS II (PST-204D)	5.3	4.7	6.0	6.0	6.0	6.3	5.7	5.7	6.0	6.0
BANDALORE (IS-PR 463)	6.0	6.7	5.0	6.3	6.3	6.3	5.0	6.0	6.0	5.9
DOMINATOR (PST-2AG4)	6.3	5.7	4.0	6.0	6.7	6.3	6.3	5.3	6.3	5.9
GO-PR60	7.3	6.0	5.0	7.0	6.3	6.0	5.3	5.0	6.3	5.9
HAVEN (APR 2038)	6.0	5.0	4.0	6.0	6.3	5.7	6.7	6.7	6.0	5.9
PACIFIC GEM (PST-2MG7)	6.0	5.3	4.3	6.3	6.3	6.7	5.3	6.3	6.0	5.9
PLAYOFF 2 (P02)	7.0	5.7	5.7	6.0	6.0	5.3	5.0	7.0	6.3	5.9
PROVOST (PPG-PR 143)	6.0	5.3	5.3	6.3	6.0	6.3	4.7	6.0	6.3	5.9
PST-2BNS	6.0	6.7	4.7	6.3	6.0	5.7	5.7	6.7	6.3	5.9

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT URBANA, IL 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	QUALITY RATINGS					MEAN
					JUN	JUL	AUG	SEP	OCT	
SIDEWAYS (PSRX-S84)	6.0	5.7	4.3	6.3	5.3	6.3	6.3	6.7	6.0	5.9
BRIGHTSTAR SLT	6.0	5.7	4.7	6.0	6.0	5.3	5.3	7.0	6.0	5.8
KARMA (PICK 10401)	6.3	5.0	4.3	6.0	6.0	6.0	6.0	6.0	6.3	5.8
MONSIEUR (IS-PR 488)	6.3	5.7	4.7	5.7	6.0	6.3	5.7	6.0	6.3	5.8
PINNACLE	5.0	5.3	6.3	6.0	6.3	5.0	5.3	6.3	5.3	5.8
METOLIUS (PPG-PR 165)	6.0	6.0	5.0	6.0	6.3	5.7	5.3	6.7	5.7	5.8
UNO	6.3	6.0	5.7	6.7	5.7	5.3	5.3	5.7	6.3	5.8
ALLANTE	6.0	4.7	3.7	6.3	6.3	5.3	5.7	5.7	7.0	5.7
BAR LP 10970	5.7	5.3	4.7	6.0	6.3	5.3	5.3	6.3	6.0	5.7
LTP-RAE	6.0	6.0	3.7	6.3	6.3	5.7	6.7	5.3	6.0	5.7
RAINWATER (PST-2TQL)	6.0	5.7	3.7	6.7	6.3	6.0	5.7	5.3	6.0	5.7
SIENNA	6.3	5.3	4.0	6.7	7.0	5.0	6.3	5.3	5.7	5.7
AMAZING A+ (PPG-PR 138)	6.3	6.0	5.3	6.0	6.0	6.0	4.7	5.0	6.3	5.6
PPG-PR 142	6.0	5.0	3.7	5.7	6.3	6.3	6.0	5.7	5.7	5.6
EXCELLENCE (ISG-31)	7.0	7.0	4.7	5.7	5.0	5.3	5.3	6.3	6.0	5.5
FIESTA 4	6.7	6.0	4.3	6.3	6.0	6.0	5.3	5.3	5.0	5.5
PRX-4GM1	6.3	6.0	4.7	5.3	5.7	6.0	5.0	5.7	6.0	5.5
RIO VISTA	6.0	6.3	5.0	5.7	5.7	5.3	5.7	5.7	5.7	5.5
SOX FAN (GM3)	6.0	6.0	4.3	5.3	6.0	6.0	5.3	5.3	6.0	5.5
VINTAGE (ISG-36)	7.3	6.7	5.3	5.7	6.0	5.0	5.3	5.3	6.0	5.5
APPLE SGL (PPG-PR 140)	6.0	6.0	4.7	5.7	5.7	5.7	5.3	5.0	6.0	5.4
BAR LP 10969	5.7	6.0	4.3	6.0	5.7	5.7	5.0	5.3	5.7	5.4
BONNEVILLE	5.7	5.3	3.3	5.3	6.0	6.0	5.3	5.7	6.0	5.4
PPG-PR 136	6.3	5.0	4.0	6.3	5.7	6.3	5.3	5.0	5.3	5.4
PST-2DR9	6.3	5.3	4.0	5.3	6.7	5.7	4.7	5.7	6.0	5.4
ASP 0112 (A-35)	7.3	7.0	5.3	6.0	5.7	5.3	4.0	5.3	5.7	5.3
BAR LP 10972	6.0	4.3	3.7	5.7	6.0	5.0	6.3	5.3	5.3	5.3
BAR LP 7608	5.3	4.7	5.7	6.0	5.3	4.7	5.0	5.3	5.3	5.3
GO-DHS	7.3	6.3	4.3	6.3	6.0	5.0	4.3	6.3	5.0	5.3
GO-G37	7.0	6.0	4.0	6.3	6.3	5.3	4.3	5.3	5.7	5.3
MACH I	6.7	5.7	4.7	6.3	5.7	5.0	4.7	4.3	5.7	5.2
PICK 4DFHM	6.3	6.3	3.3	6.0	5.7	5.3	4.7	5.3	6.3	5.2
PILLAR (CST)	6.0	5.7	3.7	5.7	6.3	6.0	5.7	4.7	4.7	5.2
PROMINENT (CS-20)	7.0	6.0	4.3	5.3	5.3	5.0	4.0	5.3	6.3	5.1
DLF LGD-3026	6.0	4.7	4.3	6.0	5.7	4.0	4.7	5.0	5.0	5.0
PPG-PR 128	5.7	6.3	4.0	5.7	5.3	4.7	5.0	4.7	5.7	5.0
DLF LGD-3022	5.3	5.7	5.0	5.0	5.3	5.0	4.7	4.3	4.7	4.9
SEDUCTIVE (ISG-30)	7.0	7.0	4.3	5.7	5.0	4.3	4.7	4.3	5.7	4.9
DLF LGT 4182	7.0	4.0	4.3	5.0	4.7	4.3	4.3	4.7	5.7	4.7
OCTANE	5.7	4.7	3.0	5.3	5.3	4.7	4.7	4.3	5.7	4.7
LINN	2.0	2.7	2.0	2.3	3.0	3.0	3.0	2.0	3.0	2.6
LSD VALUE	0.8	1.7	2.6	1.5	2.4	1.5	1.7	1.4	2.2	0.9
C.V. (%)	7.9	15.1	24.6	12.8	14.8	13.9	16.3	13.9	15.0	9.4

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 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT AMHERST, MA 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT WINTER KILL	POA COUNTS PER PLOT	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
SIENNA	45.0	14.0	5.7	6.0	6.7	6.7	5.7	5.7	5.3	6.0	6.0
PROVOST (PPG-PR 143)	55.0	15.7	5.7	5.7	6.0	6.0	5.7	6.3	5.3	5.7	5.8
RIO VISTA	35.0	16.0	5.3	6.3	6.0	6.0	6.0	5.7	5.7	5.7	5.8
ALLANTE	53.3	15.7	5.3	6.3	5.7	6.3	5.7	5.3	5.3	5.3	5.7
KARMA (PICK 10401)	66.3	22.7	5.3	6.0	5.7	6.0	5.7	5.7	5.3	5.7	5.7
PACIFIC GEM (PST-2MG7)	40.0	24.3	5.3	6.0	5.7	5.3	5.7	6.0	5.7	5.7	5.7
GRAND SLAM GLD (PPG-PR 164)	80.0	21.0	5.3	5.7	5.3	6.0	6.0	5.7	5.3	5.3	5.6
GREEN SUPREME (PPG-PR 121)	43.3	29.7	5.0	5.3	5.3	6.0	5.7	5.3	5.3	5.7	5.5
INSIGHT	55.0	22.7	4.7	6.7	6.0	5.7	5.3	5.7	5.0	5.3	5.5
PILLAR (CST)	30.0	26.3	5.3	6.0	5.7	5.7	5.7	5.3	5.0	5.7	5.5
PST-2NKM	20.0	25.0	5.3	6.0	5.7	6.0	5.3	5.7	5.0	5.3	5.5
SUNSTREAKER (APR 2036)	40.0	33.0	5.7	5.3	5.3	6.0	5.7	5.7	5.3	5.3	5.5
AMAZING A+ (PPG-PR 138)	81.3	16.7	5.0	6.3	5.7	5.7	5.0	5.7	4.7	5.0	5.4
APPLE SGL (PPG-PR 140)	73.3	31.0	5.3	5.7	5.7	5.7	5.7	5.7	4.7	5.0	5.4
PANGEA GLR (CL 11701)	58.3	22.0	5.0	5.7	5.7	5.7	5.3	5.7	5.0	5.0	5.4
FIESTA 4	51.7	30.0	4.7	5.0	5.7	5.7	5.3	5.3	5.0	5.3	5.3
JR-178	68.3	34.7	5.0	5.3	5.7	5.3	5.3	5.3	4.7	6.0	5.3
PIZZAZZ 2 GLR (PR 909)	68.3	28.3	5.0	6.0	5.3	5.3	4.7	5.7	5.3	5.3	5.3
RINOV0	48.3	27.3	5.0	5.7	5.3	5.3	5.3	5.7	4.7	5.0	5.3
STAMINA (IS-PR 487)	76.7	29.3	5.0	5.3	5.7	5.7	5.0	5.0	5.0	5.3	5.3
BANFIELD (IS-PR 489)	49.7	27.7	5.0	6.0	4.7	5.7	5.0	5.0	4.7	5.3	5.2
PPG-PR 128	91.3	41.7	5.3	5.0	4.7	5.3	5.7	5.7	5.0	5.0	5.2
APR 2320	30.0	35.0	5.0	5.0	5.3	5.3	5.0	5.3	4.7	4.7	5.0
HAVEN (APR 2038)	40.0	37.3	5.0	5.0	5.0	5.0	5.0	5.3	4.7	5.0	5.0
PPG-PR 136	70.0	21.7	4.7	5.0	5.0	5.0	5.0	5.7	5.0	5.0	5.0
METOLIUS (PPG-PR 165)	86.0	23.7	4.7	4.7	5.0	5.3	5.0	5.0	5.0	5.0	5.0
SR 4650 (PSRX-3701)	91.0	19.3	5.0	4.0	4.7	5.7	6.0	5.3	5.0	4.7	5.0
BANDALORE (IS-PR 463)	23.3	35.7	4.3	5.3	4.7	5.0	5.0	5.0	4.7	5.3	4.9
BAR LP 10970	50.0	34.0	4.7	5.0	4.7	5.3	5.0	5.0	4.3	5.0	4.9
BRIGHTSTAR SLT	55.0	35.0	4.3	5.7	4.7	5.3	4.7	5.0	4.7	4.7	4.9
JR-192	75.0	37.0	4.3	5.0	5.3	5.0	5.3	5.3	4.3	4.3	4.9
RIPTIDE (IS-PR 409)	79.7	55.0	5.0	4.0	5.0	4.7	5.0	5.3	5.0	5.0	4.9
STELLAR 3GL (PPG-PR 134)	69.7	29.3	4.3	4.7	5.0	5.3	5.0	5.0	4.7	5.0	4.9
ASP 0112 (A-35)	56.7	59.7	4.7	4.7	5.0	5.0	5.0	5.0	4.3	4.7	4.8
DILIGENT (IS-PR 492)	35.0	40.3	4.3	4.7	4.7	5.3	4.7	5.0	4.3	5.0	4.8
EVOLUTION (S85)	56.7	37.3	4.7	5.0	4.7	5.0	4.7	5.3	4.7	4.7	4.8
FASTBALL RGL (PPG-PR 133)	76.3	34.0	3.7	4.7	4.7	5.7	5.0	5.0	5.3	4.7	4.8
PICK 4DFHM	56.7	48.0	4.7	4.7	5.0	5.3	4.7	4.7	4.3	4.7	4.8
PINNACLE	75.0	31.3	4.7	5.3	5.7	4.7	5.0	4.7	4.0	4.7	4.8
PSRX-4CAGL	80.0	20.3	4.3	4.3	4.7	4.7	5.0	5.0	5.0	5.0	4.8
PST-2BNS	75.0	44.7	4.7	4.3	4.7	5.0	5.0	5.3	4.3	4.7	4.8
THRIVE (IS-PR 469)	63.0	31.7	4.3	5.7	5.7	4.7	4.3	4.7	4.0	4.7	4.8
WICKED (SRX-4RHD)	75.0	41.7	4.7	4.3	4.7	5.0	4.7	5.3	5.0	4.7	4.8
BAR LP 10972	73.3	45.3	4.3	4.7	4.3	4.7	5.0	4.7	4.7	5.0	4.7
DLF LGD-3026	33.3	61.3	4.7	5.0	4.7	5.0	4.7	4.7	4.3	4.7	4.7
LTP-PR 135	68.3	24.7	4.3	4.3	4.3	5.0	5.0	5.3	4.7	4.3	4.7
PEPPER (RAD-PR62)	61.7	28.0	4.7	4.7	4.7	4.7	4.7	5.0	4.7	4.7	4.7

TABLE 3.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT AMHERST, MA 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT WINTER KILL	POA COUNTS PER PLOT	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
APR 2445	70.0	55.7	4.3	4.7	4.3	4.3	5.0	4.7	4.7	5.0	4.6
SR4660ST (SRX-4MSH)	86.7	59.7	4.3	4.0	4.7	4.7	4.7	5.3	4.7	4.3	4.6
EXPEDITE (CL 307)	81.7	67.7	4.3	4.3	4.3	4.0	4.7	5.0	4.7	4.7	4.5
CS-PR66	60.0	63.3	4.0	4.3	4.3	4.7	4.3	4.7	4.7	4.7	4.5
EXCELLENCE (ISG-31)	51.7	70.3	4.7	4.3	4.3	4.3	4.7	4.3	4.7	4.7	4.5
MANHATTAN 6 GLR (PST-2MAGS)	53.3	50.0	4.0	4.3	4.7	4.7	4.3	4.7	4.3	4.7	4.5
OCTANE	88.0	39.3	4.0	4.0	4.0	4.7	4.7	5.0	4.7	4.7	4.5
PALMER V	80.0	38.3	3.7	4.3	4.0	4.3	4.7	5.0	4.7	5.3	4.5
PPG-PR 142	89.3	27.7	4.3	3.7	4.7	4.7	4.7	5.0	4.3	4.7	4.5
RAD-PR55R	56.7	87.3	4.0	4.3	4.0	4.3	4.7	5.0	5.0	5.0	4.5
PREMIUM (PPG-PR 137)	86.0	16.3	3.7	4.0	4.3	4.3	4.7	4.7	4.7	4.7	4.4
PST-2DR9	61.7	50.3	4.0	3.7	4.3	4.3	5.0	4.7	4.3	5.0	4.4
PST-2K9	76.7	57.3	4.3	4.7	4.3	4.0	4.3	5.0	4.0	4.3	4.4
DLF LGD-3022	66.7	46.7	4.0	3.7	4.3	4.7	4.0	4.3	4.3	4.7	4.3
GO-DHS	38.3	60.0	4.3	4.7	4.7	4.3	4.0	4.0	4.0	4.3	4.3
GO-G37	61.7	52.7	4.0	4.0	4.0	4.3	4.3	4.7	4.3	4.3	4.3
HANCOCK (IS-PR 479)	80.0	50.3	4.3	4.0	4.0	4.0	4.3	4.7	4.3	4.3	4.3
LTP-RAE	83.3	29.3	3.7	4.0	4.3	4.3	4.3	4.7	4.3	5.0	4.3
ASPIRE (IS-PR 491)	94.3	30.0	3.7	4.0	4.0	4.0	4.3	4.3	4.7	4.7	4.2
BONNEVILLE	80.0	67.0	4.3	3.7	4.0	3.7	4.3	4.7	4.3	4.7	4.2
PST-2NJK	83.0	37.7	4.3	3.7	4.0	4.3	4.3	5.0	3.7	4.3	4.2
SOX FAN (GM3)	83.3	45.3	3.7	4.0	4.3	4.0	4.3	4.3	4.3	4.3	4.2
DOMINATOR (PST-2AG4)	78.3	68.7	4.3	3.7	3.7	4.0	4.0	4.7	4.3	4.3	4.1
MACH I	71.7	60.3	4.0	4.3	3.7	4.3	3.7	4.3	4.0	4.3	4.1
PROMINENT (CS-20)	70.0	60.0	3.7	4.0	4.0	4.3	4.0	4.3	4.3	4.3	4.1
PRX-4GM1	84.7	37.0	3.3	3.7	4.0	4.7	4.7	4.0	4.3	4.0	4.1
RAINWATER (PST-2TQL)	78.3	66.3	3.7	3.3	3.3	4.3	4.3	4.7	4.3	4.7	4.1
SIDEWAYS (PSRX-S84)	97.7	49.0	3.7	4.0	3.3	4.0	4.0	4.3	4.0	4.3	4.0
BAR LP 7608	71.7	69.7	4.0	4.0	3.7	3.7	3.7	4.3	4.0	4.0	3.9
CL 11601	81.3	36.3	3.3	4.0	4.0	3.7	4.3	4.3	3.3	4.3	3.9
UNO	93.3	57.3	3.3	3.7	4.0	4.0	3.7	4.3	4.0	4.0	3.9
GO-PR60	81.7	68.3	3.7	3.7	3.3	3.7	4.0	4.0	4.0	4.3	3.8
PLAYOFF 2 (P02)	91.7	72.7	3.3	3.3	3.0	3.3	4.0	4.0	3.7	4.0	3.6
SALINAS II (PST-204D)	93.3	35.0	3.7	3.3	3.7	3.7	3.7	3.7	3.7	3.7	3.6
VINTAGE (ISG-36)	31.7	65.0	3.7	3.7	3.7	3.3	3.3	3.7	3.7	3.7	3.6
PST-2ACR	65.0	84.7	3.7	2.7	3.0	2.7	3.7	4.0	4.0	4.3	3.5
SEDUCTIVE (ISG-30)	88.0	85.3	3.0	3.3	3.7	3.3	3.7	3.7	3.7	4.0	3.5
MONSIEUR (IS-PR 488)	93.0	63.7	3.3	3.0	2.7	3.3	3.7	3.7	3.7	3.7	3.4
BAR LP 10969	66.7	63.3	2.3	3.0	2.3	3.3	3.3	4.0	3.7	4.0	3.3
DLF LGT 4182	63.3	143.7	2.7	2.7	2.3	2.7	2.7	3.0	3.0	3.7	2.8
LINN	56.7	118.7	2.3	3.3	2.0	2.0	2.3	2.0	2.7	2.0	2.3
LSD VALUE	47.7	44.1	1.7	2.0	2.0	1.7	1.6	1.4	1.1	1.5	1.4
C.V. (%)	34.6	54.9	19.9	23.0	23.0	19.7	17.9	15.7	13.5	15.6	16.2

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 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT		QUALITY RATING							MEAN
	POA	ANNUA	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
METOLIUS (PPG-PR 165)	1.0		6.3	6.7	6.0	6.3	7.0	7.3	6.3	6.6
EXPEDITE (CL 307)	1.0		6.0	6.3	5.3	6.7	7.0	7.3	7.0	6.5
PANGEA GLR (CL 11701)	0.7		6.0	6.7	6.7	6.3	6.7	7.0	6.0	6.5
PPG-PR 136	1.3		5.7	6.7	5.7	6.3	7.3	7.0	6.7	6.5
SR 4650 (PSRX-3701)	0.3		6.7	6.3	5.7	5.7	6.7	7.0	6.7	6.4
CL 11601	0.7		6.3	6.7	5.7	5.3	5.7	6.7	6.3	6.1
PROVOST (PPG-PR 143)	2.0		5.7	6.0	5.0	6.0	6.3	6.7	6.0	6.0
EVOLUTION (S85)	2.0		5.0	5.7	5.0	5.7	6.0	6.3	6.3	5.7
KARMA (PICK 10401)	1.0		6.0	5.7	5.0	5.0	6.0	6.3	5.7	5.7
PST-2BNS	1.3		6.3	6.0	5.7	5.0	5.7	6.0	5.3	5.7
PST-2NKM	1.0		5.7	6.0	5.3	5.3	6.0	6.3	5.3	5.7
DILIGENT (IS-PR 492)	2.3		5.0	5.3	5.0	5.3	6.3	6.3	6.0	5.6
WICKED (SRX-4RHD)	0.0		5.3	6.0	5.0	5.3	5.3	6.0	6.3	5.6
GRAND SLAM GLD (PPG-PR 164)	2.0		5.0	5.3	5.0	5.3	6.3	6.3	5.3	5.5
PPG-PR 142	1.7		5.3	5.7	4.7	5.3	6.0	5.7	5.7	5.5
PST-2K9	2.0		5.3	5.7	5.0	5.0	6.0	6.0	5.3	5.5
STAMINA (IS-PR 487)	1.0		5.0	5.7	4.7	5.0	6.3	6.0	6.0	5.5
AMAZING A+ (PPG-PR 138)	2.3		4.7	5.7	4.7	5.7	5.7	5.7	5.7	5.4
UNO	2.3		4.7	5.7	5.0	5.3	5.7	5.7	5.7	5.4
APPLE SGL (PPG-PR 140)	1.7		4.7	5.7	4.7	5.0	5.7	5.7	6.0	5.3
BANFIELD (IS-PR 489)	1.3		5.3	5.3	4.7	4.7	5.7	6.0	5.7	5.3
LTP-PR 135	2.0		4.7	5.7	5.0	5.0	5.7	5.7	5.3	5.3
PST-2NJK	1.0		5.0	5.3	4.7	5.0	6.0	5.7	5.7	5.3
THRIVE (IS-PR 469)	7.0		5.0	5.7	5.3	4.7	5.7	5.7	5.3	5.3
APR 2445	5.0		4.7	5.7	4.7	4.7	5.3	5.7	6.0	5.2
HAVEN (APR 2038)	2.0		5.0	5.7	5.0	4.7	5.3	5.7	5.3	5.2
MONSIEUR (IS-PR 488)	2.3		4.7	5.3	4.7	4.7	5.7	5.7	5.7	5.2
PILLAR (CST)	2.3		4.3	5.3	4.7	5.0	5.7	6.0	5.7	5.2
RIO VISTA	1.7		5.0	5.3	5.0	4.7	5.0	5.7	5.7	5.2
SIDEWAYS (PSRX-S84)	0.3		5.3	5.0	4.7	5.0	5.3	5.7	5.7	5.2
ASPIRE (IS-PR 491)	2.3		5.0	5.0	4.7	4.7	5.3	5.7	5.7	5.1
PACIFIC GEM (PST-2MG7)	3.0		4.3	5.3	4.7	4.7	5.7	6.0	5.3	5.1
PPG-PR 128	2.7		4.7	5.3	4.3	4.7	5.3	5.7	5.7	5.1
PREMIUM (PPG-PR 137)	1.7		4.7	5.3	4.3	5.0	5.3	5.7	5.7	5.1
PSRX-4CAGL	4.3		4.3	5.3	4.3	5.0	6.0	5.3	5.7	5.1
JR-178	2.3		4.7	4.7	4.0	5.0	5.7	5.3	5.3	5.0
PALMER V	8.7		4.0	5.0	4.7	5.0	5.3	5.7	5.0	5.0
PST-2ACR	2.0		4.7	5.0	4.3	5.0	5.0	6.0	5.3	5.0
PST-2DR9	6.0		4.3	5.3	4.7	4.7	5.7	5.7	5.0	5.0
STELLAR 3GL (PPG-PR 134)	3.3		4.7	5.0	4.3	4.7	5.0	5.3	5.7	5.0
BAR LP 10970	5.3		4.0	4.7	4.3	5.0	5.7	5.3	5.0	4.9
DLF LGD-3022	1.0		4.7	4.7	4.3	5.0	4.7	5.7	5.0	4.9
HANCOCK (IS-PR 479)	8.3		4.0	4.7	4.3	4.7	5.3	5.7	5.3	4.9
OCTANE	4.3		4.7	5.0	4.0	5.3	5.0	5.3	5.0	4.9
SUNSTREAKER (APR 2036)	3.0		4.7	4.7	4.3	5.0	4.7	5.3	5.7	4.9
ASP 0112 (A-35)	7.3		4.0	4.7	4.3	4.7	5.0	5.3	4.7	4.7
PLAYOFF 2 (P02)	3.7		4.7	4.7	4.0	5.0	4.7	5.0	5.0	4.7

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT POA ANNUA	MAY	JUN	JUL	QUALITY AUG	RATING SEP	OCT	NOV	MEAN
BONNEVILLE	3.0	4.3	4.7	3.7	4.3	5.0	5.0	5.0	4.6
CS-PR66	3.3	4.0	3.7	4.0	5.0	5.3	5.0	5.0	4.6
PRX-4GM1	2.7	3.7	4.3	4.0	4.3	5.0	5.0	5.0	4.5
SALINAS II (PST-204D)	4.7	4.0	4.3	4.0	4.3	4.7	4.7	4.7	4.4
SR4660ST (SRX-4MSH)	4.0	4.3	4.7	3.7	4.3	4.7	4.7	4.3	4.4
LTP-RAE	8.0	3.7	4.3	4.0	4.3	4.3	4.7	4.7	4.3
VINTAGE (ISG-36)	13.0	4.0	4.7	3.7	4.0	4.3	4.7	4.7	4.3
BANDALORE (IS-PR 463)	8.3	4.0	4.0	4.0	4.0	4.0	4.7	4.7	4.2
JR-192	6.0	3.7	4.3	3.7	4.3	4.7	4.3	4.3	4.2
SOX FAN (GM3)	5.7	4.0	4.3	3.3	4.3	4.3	4.7	4.3	4.2
BAR LP 10969	15.0	3.7	4.7	3.3	4.0	4.3	4.3	4.3	4.1
GREEN SUPREME (PPG-PR 121)	3.3	3.7	4.0	3.7	3.7	4.3	4.7	4.7	4.1
PICK 4DFHM	7.0	4.0	4.3	4.0	4.0	4.0	4.3	4.3	4.1
BRIGHTSTAR SLT	14.7	3.3	4.0	3.3	4.7	4.3	4.3	4.3	4.0
PROMINENT (CS-20)	20.7	3.7	4.0	3.3	3.7	4.7	4.3	4.3	4.0
RAD-PR55R	14.0	3.7	4.0	3.3	3.7	4.3	4.7	4.3	4.0
DLF LGD-3026	18.0	3.7	4.3	3.7	3.7	3.7	4.3	3.7	3.9
DOMINATOR (PST-2AG4)	12.3	3.3	3.7	3.3	4.0	4.3	4.3	4.3	3.9
EXCELLENCE (ISG-31)	17.7	3.3	3.7	3.3	4.0	4.0	4.3	4.3	3.9
FASTBALL RGL (PPG-PR 133)	8.7	3.7	4.3	3.7	3.7	3.7	4.0	4.0	3.9
GO-G37	23.7	3.0	4.0	3.7	4.0	4.3	4.0	4.3	3.9
MANHATTAN 6 GLR (PST-2MAGS)	13.3	3.7	3.7	3.3	3.7	4.0	4.3	4.3	3.9
PIZZAZZ 2 GLR (PR 909)	22.7	3.7	4.0	3.7	4.0	3.3	4.3	4.0	3.9
RAINWATER (PST-2TQL)	6.3	3.3	3.7	3.3	4.0	4.3	4.3	4.3	3.9
GO-PR60	8.7	3.3	4.0	3.3	3.3	4.0	4.0	4.3	3.8
PEPPER (RAD-PR62)	16.0	3.3	3.3	3.3	4.0	4.0	4.3	4.0	3.8
BAR LP 10972	14.3	3.3	3.7	3.0	4.0	4.0	4.0	4.0	3.7
RIPTIDE (IS-PR 409)	12.0	3.7	3.7	3.3	3.7	3.7	4.0	3.7	3.7
FIESTA 4	18.3	3.3	3.3	3.3	3.7	3.7	4.3	3.7	3.6
ALLANTE	14.0	3.0	3.0	2.7	3.7	3.7	4.0	4.0	3.4
RINOVO	11.0	3.3	3.7	3.0	3.3	3.3	3.7	3.7	3.4
APR 2320	19.0	2.7	3.3	3.0	3.3	3.0	3.3	3.7	3.2
INSIGHT	26.3	2.3	2.3	2.3	3.7	3.7	3.7	3.7	3.1
MACH I	40.0	2.0	2.7	2.7	3.3	3.7	4.0	3.7	3.1
SEDUCTIVE (ISG-30)	22.3	2.7	3.0	3.0	3.3	3.3	3.3	3.3	3.1
DLF LGT 4182	31.7	2.7	3.3	2.7	3.3	3.0	3.3	3.0	3.0
PINNACLE	31.7	2.0	2.7	2.7	3.3	3.0	3.0	3.3	2.9
SIENNA	34.3	2.3	2.3	2.3	3.0	3.0	3.0	3.3	2.8
LINN	43.3	2.0	2.3	2.3	3.0	3.0	3.0	3.0	2.7
GO-DHS	45.0	2.3	2.3	2.3	2.7	3.0	3.0	2.7	2.6
BAR LP 7608	42.5	2.0	2.3	2.0	2.7	2.0	2.7	2.7	2.3
LSD VALUE	9.5	1.4	1.5	1.5	1.6	1.6	1.5	1.3	1.3
C.V. (%)	69.1	20.2	19.9	21.6	19.6	19.6	18.5	16.5	17.6

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

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

TABLE 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	LEAF TEXTURE	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	RED THREAD	CROWN RUST	APR	MAY	QUALITY RATINGS					MEAN
GRAND SLAM GLD (PPG-PR 164)	5.7	6.7	93.3	97.3	5.0	6.0	7.7	7.0	7.0	6.3	6.7	6.3	7.0	8.7	7.0
DILIGENT (IS-PR 492)	5.7	6.3	93.3	95.0	5.0	6.3	6.3	7.0	7.0	6.7	6.7	6.3	6.3	8.0	6.9
PSRX-4CAGL	6.0	5.7	94.3	96.3	5.0	5.3	4.3	8.0	7.7	6.0	7.0	6.0	6.3	7.0	6.9
PEPPER (RAD-PR62)	6.0	6.0	88.3	89.0	6.3	6.0	4.0	7.3	7.0	6.3	7.0	7.0	6.7	6.7	6.9
CS-PR66	6.3	6.0	81.7	83.3	6.7	5.3	3.3	7.0	7.7	6.3	6.3	6.3	6.0	7.7	6.8
PST-2BNS	4.7	6.3	88.3	93.3	4.7	6.7	4.7	6.7	7.7	6.7	6.3	6.0	6.7	7.7	6.8
THRIVE (IS-PR 469)	6.7	6.0	88.3	92.3	4.3	5.7	7.3	6.3	7.3	6.7	6.7	6.0	6.3	8.3	6.8
PANGEA GLR (CL 11701)	5.3	5.7	94.0	97.7	4.0	4.7	8.0	5.7	6.3	6.3	6.0	6.3	7.3	9.0	6.7
GO-PR60	6.3	6.0	93.3	95.3	4.7	7.0	4.7	6.3	6.7	6.3	6.3	6.3	6.7	7.7	6.6
RIO VISTA	5.0	6.0	85.0	88.3	4.0	5.0	6.3	6.7	7.0	6.3	6.0	5.0	7.0	8.0	6.6
ASPIRE (IS-PR 491)	5.7	6.0	90.0	90.0	5.3	6.7	4.3	6.3	6.3	6.3	6.3	6.3	6.3	7.3	6.5
EVOLUTION (S85)	6.0	6.0	91.7	95.0	4.3	4.7	7.0	6.3	6.7	6.3	6.3	5.7	6.0	8.0	6.5
PIZZAZZ 2 GLR (PR 909)	5.0	6.3	86.7	90.7	5.3	5.7	7.0	5.7	6.0	6.7	6.3	6.0	7.3	7.7	6.5
APPLE SGL (PPG-PR 140)	5.0	6.0	91.7	95.7	4.7	5.0	5.0	5.3	6.3	6.0	6.0	6.3	7.0	8.0	6.4
BONNEVILLE	4.7	6.3	90.0	94.3	4.3	5.0	7.0	6.7	6.7	5.3	6.0	5.3	6.7	8.0	6.4
DLF LGT 4182	6.3	5.0	90.7	93.0	4.7	5.3	3.7	6.3	7.3	6.0	6.7	5.0	6.7	7.0	6.4
KARMA (PICK 10401)	5.3	6.0	94.0	96.3	6.3	6.0	5.3	5.3	6.7	5.7	6.0	6.3	7.3	7.7	6.4
RAD-PR55R	5.7	6.3	93.3	95.0	5.0	5.3	3.7	7.7	7.0	6.0	6.3	6.3	5.0	6.7	6.4
STELLAR 3GL (PPG-PR 134)	5.0	5.7	94.0	96.3	4.3	5.0	7.3	5.3	6.7	5.7	6.0	5.7	7.0	8.7	6.4
AMAZING A+ (PPG-PR 138)	5.0	6.3	93.3	95.0	4.3	6.0	6.3	5.3	5.7	6.0	6.0	5.7	7.7	8.0	6.3
FIESTA 4	5.7	6.3	83.3	88.3	3.7	5.0	5.3	6.7	7.0	6.3	5.7	5.3	5.3	7.7	6.3
JR-192	5.3	6.3	95.7	96.3	4.7	7.3	3.3	6.3	7.3	7.0	6.0	5.3	5.0	7.3	6.3
SALINAS II (PST-204D)	4.7	6.0	92.7	94.3	4.7	6.0	4.3	6.0	6.3	5.7	5.7	6.0	6.7	7.7	6.3
EXPEDITE (CL 307)	5.3	6.0	90.0	90.0	5.0	5.3	6.7	5.3	6.3	6.0	6.7	5.7	6.3	7.3	6.2
FASTBALL RGL (PPG-PR 133)	5.3	6.0	93.3	97.7	4.3	5.7	5.7	5.3	6.0	6.0	6.3	5.3	6.3	8.0	6.2
HANCOCK (IS-PR 479)	6.7	6.7	85.0	89.3	5.3	4.7	4.3	7.0	7.0	6.0	5.7	5.7	5.7	6.7	6.2
MANHATTAN 6 GLR (PST-2MAGS)	5.3	5.7	93.3	95.0	4.0	5.7	5.3	6.0	6.7	5.7	6.7	6.0	5.3	7.0	6.2
SEDUCTIVE (ISG-30)	6.7	6.3	78.3	85.0	3.7	4.0	4.7	7.0	7.7	5.0	4.7	5.3	6.0	7.7	6.2
BANFIELD (IS-PR 489)	5.3	6.7	86.7	91.7	4.3	5.3	6.3	6.0	6.7	6.0	5.7	5.0	6.3	7.3	6.1
BRIGHTSTAR SLT	5.0	6.3	93.3	93.3	4.3	5.0	2.0	6.0	6.7	5.7	6.3	5.7	5.7	7.0	6.1
CL 11601	5.0	6.7	95.0	96.3	4.7	4.3	6.3	4.7	6.0	5.3	6.0	5.7	7.3	8.0	6.1
DOMINATOR (PST-2AG4)	5.0	6.0	85.0	85.0	5.7	4.3	5.0	6.3	6.7	5.7	6.3	6.0	5.3	6.3	6.1
EXCELLENCE (ISG-31)	6.3	6.3	91.7	95.0	3.7	4.0	4.0	6.0	6.7	5.0	5.0	5.7	7.0	7.7	6.1
OCTANE	6.0	6.0	75.0	80.7	3.7	5.3	8.0	5.0	6.0	6.0	6.7	5.7	6.3	7.3	6.1
PALMER V	5.0	5.7	83.3	89.3	4.3	4.7	4.0	6.0	6.3	5.3	6.0	5.3	5.7	8.0	6.1
SUNSTREAKER (APR 2036)	5.7	6.3	95.0	96.0	4.3	5.7	4.3	5.7	6.7	6.0	6.3	5.3	5.7	7.3	6.1
APR 2445	5.0	6.3	88.3	91.7	3.7	5.3	4.3	5.0	6.3	6.0	6.3	5.7	6.0	6.7	6.0
GREEN SUPREME (PPG-PR 121)	5.0	6.7	86.7	88.3	5.7	5.7	4.7	5.0	6.7	5.7	6.3	5.3	6.0	7.0	6.0
PILLAR (CST)	5.7	5.7	93.3	94.0	4.3	6.3	6.0	5.3	5.7	6.3	6.7	5.7	6.0	6.7	6.0
PPG-PR 128	5.3	5.3	81.7	86.7	5.3	5.7	6.0	5.7	6.0	5.7	5.7	5.7	6.3	7.0	6.0
METOLIUS (PPG-PR 165)	5.0	6.0	78.3	85.0	3.7	6.0	6.7	6.3	6.3	6.0	6.3	5.0	5.0	6.7	6.0
PST-2K9	5.3	6.0	91.7	95.7	6.0	6.3	3.3	5.3	6.3	6.3	7.0	6.0	5.7	5.7	6.0
RAINWATER (PST-2TQL)	5.7	6.7	91.7	94.3	4.3	5.3	4.0	6.7	6.7	5.7	6.0	5.7	5.0	6.3	6.0
STAMINA (IS-PR 487)	5.0	5.7	90.0	93.3	4.3	6.0	6.0	5.3	6.0	6.0	5.3	5.7	6.3	7.0	6.0
GO-G37	6.3	6.0	93.3	94.0	5.0	5.3	3.3	6.3	6.7	5.7	6.0	5.7	5.0	6.0	5.9
PICK 4DFHM	5.3	6.7	86.7	86.7	4.7	4.7	3.3	6.3	6.3	5.7	5.7	5.3	5.0	7.0	5.9
PROVOST (PPG-PR 143)	5.0	6.0	92.3	96.3	4.3	5.0	6.3	5.3	6.3	5.7	5.3	5.7	5.3	7.3	5.9

TABLE 5. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	LEAF TEXTURE	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	RED THREAD	CROWN RUST	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PST-2NJK	4.7	5.7	92.3	93.0	5.7	6.3	3.0	5.0	5.3	6.3	6.3	5.7	6.3	6.0	5.9
PST-2NKM	4.7	6.0	95.7	96.7	5.0	6.7	3.0	4.7	5.7	5.7	6.3	6.0	6.7	6.3	5.9
SIDEWAYS (PSRX-S84)	4.7	6.0	86.7	90.0	4.7	6.0	6.7	5.7	6.7	6.0	5.3	5.3	5.7	6.7	5.9
SIENNA	5.0	6.7	85.0	85.0	3.3	5.7	5.0	6.7	6.3	5.7	5.7	5.0	5.0	7.0	5.9
SOX FAN (GM3)	5.0	6.3	90.0	93.3	4.7	4.3	4.3	5.7	5.7	5.7	5.7	5.3	6.3	6.7	5.9
WICKED (SRX-4RHD)	5.3	6.0	88.3	91.7	4.7	6.0	5.3	5.3	6.0	5.7	5.3	5.0	6.7	7.3	5.9
APR 2320	4.7	6.7	91.7	94.0	4.3	7.0	5.0	5.7	6.0	6.3	6.7	5.3	4.7	6.0	5.8
BANDALORE (IS-PR 463)	6.3	6.0	90.0	90.0	3.7	5.7	6.3	5.7	5.7	5.7	6.0	5.0	5.0	7.3	5.8
BAR LP 10969	4.7	5.3	90.0	93.3	5.0	6.7	2.0	5.7	6.0	5.3	6.0	5.3	5.3	6.7	5.8
LTP-RAE	5.3	6.7	90.0	93.3	3.7	5.0	6.7	5.7	5.3	5.7	6.0	5.3	5.7	7.0	5.8
PREMIUM (PPG-PR 137)	5.3	6.0	88.3	90.0	4.7	4.7	5.0	5.3	5.7	5.7	5.3	5.7	6.0	7.0	5.8
PRX-4GM1	4.7	6.0	86.7	86.7	4.3	4.3	3.7	5.7	6.0	5.7	5.7	5.0	5.7	7.0	5.8
PST-2ACR	4.7	6.0	95.0	97.0	4.0	5.3	6.0	5.3	6.3	5.3	5.7	5.0	5.7	7.0	5.8
RIPTIDE (IS-PR 409)	6.0	5.7	80.0	86.7	3.3	5.3	6.0	6.3	6.7	5.7	5.3	4.7	5.0	6.7	5.8
SR 4650 (PSRX-3701)	5.0	6.0	86.7	90.7	4.7	3.7	6.0	6.0	6.7	5.0	5.0	5.0	5.7	7.3	5.8
ASP 0112 (A-35)	7.7	6.3	83.3	88.3	3.7	5.3	4.3	6.0	7.0	5.7	5.3	5.0	4.7	6.3	5.7
BAR LP 10972	4.3	6.0	93.3	94.3	5.3	5.3	2.0	5.0	5.3	5.3	6.3	6.0	6.0	6.0	5.7
GO-DHS	7.3	6.3	91.7	93.3	3.7	5.0	3.7	7.0	7.0	5.7	5.0	4.0	5.3	6.0	5.7
HAVEN (APR 2038)	5.3	6.0	85.0	85.0	4.7	5.3	3.0	5.3	6.0	5.3	6.0	5.0	5.7	6.3	5.7
PACIFIC GEM (PST-2MG7)	5.3	6.3	86.7	88.3	4.7	5.0	5.0	5.3	6.0	5.3	5.0	5.3	6.0	7.0	5.7
PROMINENT (CS-20)	6.0	5.7	81.7	82.7	3.7	4.7	4.3	6.7	7.0	5.0	4.7	5.0	5.0	6.3	5.7
SR4660ST (SRX-4MSH)	4.7	6.3	86.7	89.7	3.3	5.3	4.7	5.7	7.0	5.3	5.0	4.0	6.0	7.0	5.7
PPG-PR 136	5.3	6.3	93.3	93.3	4.0	4.3	6.0	6.0	6.3	5.7	5.3	5.0	4.7	6.3	5.6
INSIGHT	4.7	6.7	86.7	91.7	3.7	5.3	3.3	6.0	5.7	5.3	6.0	4.0	5.0	6.7	5.5
JR-178	5.3	6.3	86.7	86.7	2.7	4.0	6.0	5.3	6.3	5.0	4.0	4.7	5.7	7.3	5.5
MACH I	5.7	6.3	71.7	75.0	3.3	4.7	4.7	6.3	7.0	5.7	4.7	4.3	4.3	6.0	5.5
MONSIEUR (IS-PR 488)	4.7	6.0	76.7	81.7	4.3	5.3	6.3	5.3	5.7	5.3	5.7	5.0	5.0	6.7	5.5
PLAYOFF 2 (P02)	4.7	6.0	90.0	93.3	5.0	5.0	2.7	5.0	5.0	5.3	5.7	5.0	5.3	7.0	5.5
PPG-PR 142	4.3	6.0	93.3	93.3	4.7	4.7	5.3	4.7	5.3	5.0	5.7	5.0	5.7	7.3	5.5
PST-2DR9	5.0	6.3	90.0	93.3	3.3	4.7	5.7	5.3	6.3	5.0	4.3	5.0	5.0	7.3	5.5
ALLANTE	4.3	6.3	96.0	96.7	3.7	5.0	5.0	4.7	5.7	5.7	5.7	4.3	5.0	6.7	5.4
BAR LP 10970	4.3	6.0	88.3	90.0	4.7	5.7	3.3	5.7	5.3	6.0	5.3	4.7	4.7	6.0	5.4
LTP-PR 135	4.7	6.0	88.3	91.7	3.3	5.0	5.7	5.7	6.3	5.7	5.0	4.3	4.7	6.3	5.4
RINOVO	5.3	6.3	91.7	91.7	3.7	5.0	5.7	5.0	6.0	6.3	5.0	5.0	4.7	5.7	5.4
UNO	4.7	6.3	95.0	95.0	4.0	4.7	3.7	5.0	5.7	5.3	5.7	4.7	5.0	6.7	5.4
BAR LP 7608	5.0	6.3	88.3	90.7	5.3	5.7	2.7	5.7	5.0	5.7	5.7	4.7	5.0	5.7	5.3
VINTAGE (ISG-36)	7.0	6.0	81.7	84.0	4.3	4.0	4.7	5.3	6.0	5.0	5.0	5.0	5.0	6.0	5.3
DLF LGD-3022	4.0	6.3	80.0	83.3	2.7	5.3	5.0	5.3	5.7	5.3	5.3	5.0	4.7	5.0	5.2
DLF LGD-3026	4.7	5.7	88.3	90.7	4.3	4.7	3.3	6.0	5.3	4.3	4.7	4.7	4.3	5.7	5.0
PINNACLE	4.0	5.7	73.3	75.0	4.0	4.3	1.7	5.3	4.7	4.3	5.0	4.0	3.3	5.0	4.5
LINN	3.0	4.0	56.7	56.7	3.0	3.3	3.3	2.3	2.7	2.0	2.3	2.0	2.0	2.7	2.3
LSD VALUE	1.2	1.4	19.9	16.3	4.0	1.8	1.6	1.4	1.5	1.4	2.5	1.4	2.0	2.1	0.9
C.V. (%)	13.4	9.4	9.6	8.4	27.8	17.5	21.2	13.6	12.9	12.7	17.7	14.2	18.3	15.4	9.4

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 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	JUN	QUALITY RATINGS				SEP	OCT	MEAN
SEDUCTIVE (ISG-30)	6.3	4.3	3.0	4.7	6.7	6.3	6.7	7.0	6.0	5.8		
PPG-PR 128	7.0	3.7	2.3	4.0	6.3	6.3	6.3	7.0	5.7	5.4		
RINOVO	6.0	3.0	2.0	3.7	6.7	6.3	6.3	6.7	6.0	5.4		
THRIVE (IS-PR 469)	6.3	3.7	2.3	3.7	6.3	6.3	6.3	7.0	5.7	5.4		
VINTAGE (ISG-36)	7.0	3.7	2.7	4.0	6.3	6.0	6.3	6.7	5.7	5.4		
APPLE SGL (PPG-PR 140)	6.7	3.0	2.7	3.7	6.3	6.0	6.0	6.7	5.7	5.3		
SR 4650 (PSRX-3701)	6.7	3.3	2.3	3.3	6.3	6.3	6.0	6.3	5.7	5.2		
JR-192	7.0	3.0	2.7	4.0	6.0	5.7	5.7	6.3	5.3	5.1		
BAR LP 10970	6.7	4.3	2.7	4.0	5.7	5.7	5.0	6.7	5.3	5.0		
GO-DHS	7.0	4.0	2.3	3.7	5.7	5.7	5.0	7.0	5.7	5.0		
INSIGHT	6.0	3.0	2.3	2.7	5.3	6.0	5.7	6.3	5.0	4.8		
MANHATTAN 6 GLR (PST-2MAGS)	6.7	3.3	2.3	3.7	5.3	5.0	5.3	6.3	5.3	4.8		
PST-2NJK	6.3	3.3	2.0	2.7	5.3	6.0	5.7	6.3	5.3	4.8		
DLF LGD-3026	7.0	3.0	2.0	3.3	5.7	6.0	5.0	5.3	5.3	4.7		
HANCOCK (IS-PR 479)	7.0	4.0	2.3	3.7	5.3	5.7	5.0	6.3	4.7	4.7		
PROMINENT (CS-20)	7.0	3.0	2.0	3.3	5.3	5.0	4.0	6.7	5.7	4.6		
KARMA (PICK 10401)	6.7	3.7	2.3	3.7	5.0	5.0	4.0	6.3	5.0	4.5		
PREMIUM (PPG-PR 137)	7.0	3.7	2.7	4.0	4.7	5.3	4.0	6.0	4.7	4.5		
PST-2K9	7.0	3.0	2.3	3.3	4.7	5.0	5.0	6.3	4.7	4.5		
CL 11601	6.0	3.7	2.3	3.7	5.3	5.0	4.3	5.7	4.0	4.3		
SR4660ST (SRX-4MSH)	7.0	2.3	2.0	3.0	4.7	5.3	4.3	6.0	5.0	4.3		
UNO	6.3	2.7	2.0	3.3	5.3	4.3	4.0	5.7	5.3	4.3		
ALLANTE	6.7	2.7	2.3	2.7	5.0	5.0	4.3	5.7	4.7	4.2		
DLF LGT 4182	6.7	2.7	2.3	3.3	4.7	4.7	4.7	5.3	4.3	4.2		
HAVEN (APR 2038)	6.7	3.0	2.0	3.0	5.7	4.7	4.0	6.0	4.3	4.2		
LTP-RAE	6.7	3.3	2.3	3.3	5.0	4.7	4.0	6.0	4.3	4.2		
GREEN SUPREME (PPG-PR 121)	6.7	2.0	2.0	2.7	4.7	4.7	4.0	6.0	4.7	4.1		
OCTANE	6.7	2.7	2.0	3.3	4.7	4.3	4.7	5.3	4.3	4.1		
PSRX-4CAGL	7.0	2.7	2.0	2.3	4.3	4.7	5.0	5.7	4.7	4.1		
BANDALORE (IS-PR 463)	6.0	2.7	2.0	3.3	4.3	4.0	4.0	5.7	4.3	4.0		
GRAND SLAM GLD (PPG-PR 164)	7.0	2.3	2.0	3.0	4.3	4.7	3.7	5.7	4.3	4.0		
PALMER V	6.7	2.3	2.0	2.7	4.3	4.3	4.3	5.7	4.3	4.0		
PRX-4GM1	6.0	3.7	2.0	3.0	4.7	4.7	4.0	5.3	4.0	4.0		
BANFIELD (IS-PR 489)	7.0	3.0	2.0	3.0	4.0	4.0	4.0	6.0	4.0	3.9		
RIO VISTA	6.7	2.7	2.0	3.0	3.7	4.3	4.0	5.7	4.3	3.9		
SOX FAN (GM3)	6.0	2.3	2.0	2.7	4.0	4.3	4.0	6.0	4.0	3.9		
EVOLUTION (S85)	6.7	2.0	2.0	3.7	4.3	4.3	3.7	4.7	4.0	3.8		
FIESTA 4	6.3	2.3	2.3	2.7	4.7	4.0	4.7	5.3	3.0	3.8		
GO-PR60	6.0	2.0	2.0	2.3	4.0	4.3	3.7	5.7	4.7	3.8		
PICK 4DFHM	6.0	2.7	2.0	2.7	4.0	4.3	4.0	5.3	4.0	3.8		
PLAYOFF 2 (P02)	7.0	1.3	2.0	2.7	4.3	4.0	4.0	5.3	4.0	3.8		
PST-2BNS	7.0	2.7	2.0	3.0	3.7	4.3	4.0	5.7	4.0	3.8		
STAMINA (IS-PR 487)	6.0	2.7	2.3	3.3	4.3	4.3	4.3	4.3	3.3	3.8		
APR 2445	6.0	2.0	2.0	2.7	4.7	4.0	4.0	5.0	3.3	3.7		
BONNEVILLE	6.3	2.3	2.3	3.0	4.3	4.0	4.3	4.7	3.3	3.7		
GO-G37	7.0	2.3	2.0	2.7	4.0	4.3	3.7	5.3	3.7	3.7		
PACIFIC GEM (PST-2MG7)	6.7	3.0	2.0	3.0	4.3	4.7	3.3	5.0	3.7	3.7		

TABLE 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	JUN	QUALITY JUL	RATINGS AUG	SEP	OCT	MEAN
PPG-PR 142	7.0	2.3	2.3	2.3	4.0	4.0	4.3	5.3	3.7	3.7
PST-2ACR	6.7	2.3	2.0	2.3	3.7	4.3	3.7	5.7	4.0	3.7
PANGEA GLR (CL 11701)	6.3	2.7	2.0	2.7	4.0	4.0	3.7	5.0	3.7	3.6
PIZZAZZ 2 GLR (PR 909)	6.7	3.0	2.0	3.0	3.7	4.3	3.7	5.0	3.7	3.6
SIDEWAYS (PSRX-S84)	6.7	1.7	2.0	2.0	4.0	4.3	4.3	5.3	3.3	3.6
DOMINATOR (PST-2AG4)	6.7	2.3	2.0	2.7	4.0	4.0	3.7	4.0	4.0	3.5
MACH I	7.0	2.7	2.0	2.7	4.3	3.7	3.7	4.3	4.0	3.5
PILLAR (CST)	6.7	1.7	2.0	2.7	3.3	4.3	3.3	5.3	3.3	3.5
PST-2NKM	6.0	2.3	2.0	2.7	4.0	4.0	4.3	4.3	3.0	3.5
STELLAR 3GL (PPG-PR 134)	7.0	1.7	2.0	2.3	3.7	4.3	3.7	5.0	3.7	3.5
SUNSTREAKER (APR 2036)	5.3	1.7	2.0	2.7	3.7	4.0	3.3	5.0	3.7	3.5
AMAZING A+ (PPG-PR 138)	6.7	1.7	2.0	2.7	3.7	3.7	3.3	4.7	3.7	3.4
ASPIRE (IS-PR 491)	7.0	3.0	2.0	2.7	3.7	3.7	3.3	4.7	3.7	3.4
BRIGHTSTAR SLT	6.3	2.0	2.0	2.0	4.0	4.0	3.3	5.0	3.7	3.4
METOLIUS (PPG-PR 165)	6.3	1.7	2.0	2.7	3.3	4.3	3.3	4.7	3.3	3.4
RAD-PR55R	6.3	2.7	2.0	3.0	3.3	3.7	3.3	5.3	3.3	3.4
SALINAS II (PST-204D)	6.0	2.0	2.0	2.7	3.3	3.7	4.0	4.3	3.7	3.4
SIENNA	6.0	1.3	2.0	2.3	3.7	4.3	3.7	4.7	3.3	3.4
BAR LP 7608	6.0	1.3	2.0	2.0	3.0	4.0	3.0	5.3	3.7	3.3
CS-PR66	6.0	1.7	2.0	2.7	3.0	4.0	3.0	5.0	3.3	3.3
EXCELLENCE (ISG-31)	6.7	1.7	2.0	2.3	3.7	4.0	3.3	4.3	3.3	3.3
PST-2DR9	6.7	2.0	2.0	2.3	3.3	4.0	3.3	4.7	3.7	3.3
EXPEDITE (CL 307)	6.7	1.3	2.0	2.3	4.0	3.7	3.3	4.0	3.3	3.2
DLF LGD-3022	7.0	1.0	2.0	2.0	3.0	3.7	3.7	4.7	3.3	3.2
JR-178	7.0	2.0	2.0	2.7	3.3	3.3	3.3	4.3	3.3	3.2
LINN	6.3	2.0	2.0	2.7	3.3	3.7	3.0	4.0	3.7	3.2
MONSIEUR (IS-PR 488)	6.3	1.3	2.0	2.3	3.7	3.3	4.0	4.0	3.0	3.2
APR 2320	6.7	1.7	2.0	2.3	3.3	3.7	3.3	4.0	3.3	3.1
DILIGENT (IS-PR 492)	6.7	1.7	2.0	2.7	3.0	3.3	3.3	4.3	3.3	3.1
LTP-PR 135	7.0	1.7	2.0	2.3	3.0	3.7	3.0	4.7	3.3	3.1
WICKED (SRX-4RHD)	6.7	1.3	2.0	2.0	3.3	3.7	3.3	4.3	3.3	3.1
BAR LP 10969	6.3	1.0	2.0	2.0	3.3	3.7	3.3	4.0	3.0	3.0
BAR LP 10972	6.7	2.0	2.0	2.0	3.0	3.3	3.0	3.7	3.7	3.0
PPG-PR 136	7.0	1.3	2.0	2.0	3.3	3.7	3.0	3.7	3.3	3.0
RAINWATER (PST-2TQL)	6.7	2.7	2.0	2.7	3.3	3.3	3.0	3.7	3.0	3.0
PEPPER (RAD-PR62)	6.0	1.0	2.0	2.7	3.0	3.0	3.0	4.0	3.0	3.0
ASP 0112 (A-35)	6.7	1.3	2.0	2.3	2.7	3.3	2.7	4.0	3.0	2.9
FASTBALL RGL (PPG-PR 133)	7.0	1.7	2.0	2.3	2.7	3.3	3.3	3.7	3.0	2.9
PINNACLE	6.0	1.3	2.0	1.7	3.0	3.3	2.7	4.0	3.3	2.9
RIPTIDE (IS-PR 409)	7.0	1.0	2.0	1.3	2.7	2.7	2.7	3.3	3.0	2.5
PROVOST (PPG-PR 143)	6.7	1.0	2.0	2.0	2.0	3.0	2.7	3.0	2.3	2.4
LSD VALUE	1.1	1.7	0.7	1.4	1.9	1.9	1.5	1.5	1.3	1.2
C.V. (%)	7.6	38.6	13.7	25.6	24.9	22.8	22.1	16.9	19.7	18.1

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 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	QUALITY RATINGS							
		APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
GRAND SLAM GLD (PPG-PR 164)	7.0	6.0	6.7	6.3	5.7	6.0	5.7	6.0	6.0
PANGEA GLR (CL 11701)	8.0	6.0	5.7	5.3	6.3	5.7	5.7	7.7	6.0
KARMA (PICK 10401)	6.7	5.7	5.7	5.7	6.7	5.0	6.0	6.7	5.9
THRIVE (IS-PR 469)	7.7	5.7	6.3	6.0	6.0	6.0	4.7	6.7	5.9
ASPIRE (IS-PR 491)	7.3	6.0	6.0	6.3	5.3	5.3	5.0	6.3	5.8
GREEN SUPREME (PPG-PR 121)	6.0	5.7	6.3	5.3	6.0	6.0	5.3	5.7	5.8
BANDALORE (IS-PR 463)	6.3	5.0	6.3	5.7	5.7	5.3	5.7	6.3	5.7
FIESTA 4	8.3	6.0	6.7	5.7	5.3	5.0	5.3	6.0	5.7
OCTANE	6.3	6.0	6.3	5.3	5.0	5.7	5.7	6.0	5.7
RIPTIDE (IS-PR 409)	6.7	6.3	6.0	5.3	5.3	5.7	5.3	5.7	5.7
APR 2445	6.7	5.7	6.3	5.7	6.0	5.7	4.3	5.7	5.6
BANFIELD (IS-PR 489)	6.3	6.0	6.3	4.3	6.0	6.0	5.0	5.7	5.6
EVOLUTION (S85)	7.7	6.0	6.3	5.3	5.3	5.0	5.0	6.3	5.6
LTP-RAE	7.0	5.3	5.0	5.7	6.7	5.7	5.0	5.7	5.6
RIO VISTA	7.3	6.0	5.7	5.3	5.3	5.7	5.3	5.7	5.6
SR 4650 (PSRX-3701)	7.0	6.0	5.7	5.3	5.3	5.0	5.3	6.3	5.6
WICKED (SRX-4RHD)	5.3	6.0	6.0	6.7	5.7	5.0	5.0	5.0	5.6
CS-PR66	7.0	6.3	6.3	6.0	5.3	5.3	3.7	5.7	5.5
PALMER V	7.7	6.0	6.7	5.3	4.3	5.3	5.3	5.7	5.5
DOMINATOR (PST-2AG4)	6.3	6.3	6.3	4.7	4.0	5.3	5.7	5.7	5.4
FASTBALL RGL (PPG-PR 133)	6.7	5.3	6.0	5.3	6.0	4.7	4.3	6.3	5.4
GO-PR60	8.3	6.3	7.0	6.0	4.7	5.3	3.3	5.3	5.4
PPG-PR 136	7.3	5.7	5.7	5.0	5.3	5.3	5.0	6.0	5.4
METOLIUS (PPG-PR 165)	6.3	5.7	5.0	5.0	6.3	4.7	5.0	6.0	5.4
PST-2BNS	3.7	5.7	6.7	5.7	6.0	5.0	4.7	4.3	5.4
RAD-PR55R	7.3	6.7	6.7	5.3	4.7	5.3	4.0	5.0	5.4
JR-178	6.7	5.7	6.0	4.7	5.3	5.3	4.7	5.7	5.3
PSRX-4CAGL	6.7	6.7	6.3	5.7	4.7	4.7	4.3	5.0	5.3
RINOVO	7.7	5.0	5.7	5.3	5.0	5.3	5.0	5.7	5.3
STELLAR 3GL (PPG-PR 134)	8.0	5.7	4.7	5.3	5.7	5.0	4.7	6.0	5.3
MACH I	7.7	6.0	6.3	6.0	4.3	5.0	4.0	5.0	5.2
MONSIEUR (IS-PR 488)	5.3	6.0	5.7	4.7	4.7	4.7	5.3	5.7	5.2
PIZZAZZ 2 GLR (PR 909)	7.0	5.3	5.7	5.7	5.7	4.7	4.3	5.3	5.2
PREMIUM (PPG-PR 137)	6.0	5.3	5.0	5.0	5.3	5.0	5.0	5.7	5.2
APR 2320	6.7	5.7	5.7	4.7	5.0	4.3	5.0	5.7	5.1
BAR LP 10969	3.3	5.7	6.3	5.0	5.3	4.7	4.0	4.7	5.1
DILIGENT (IS-PR 492)	6.0	5.7	5.7	5.0	4.3	4.7	4.7	5.7	5.1
RAINWATER (PST-2TQL)	5.0	5.3	6.0	5.3	5.3	4.7	5.0	4.0	5.1
SR4660ST (SRX-4MSH)	5.3	5.7	5.7	5.0	5.7	4.7	4.3	4.7	5.1
BONNEVILLE	7.0	5.7	5.0	4.3	5.0	5.0	4.3	5.7	5.0
EXPEDITE (CL 307)	7.3	5.0	5.3	5.3	5.0	4.3	4.7	5.7	5.0
PILLAR (CST)	5.7	5.0	5.0	4.0	6.3	5.3	4.3	5.0	5.0
PEPPER (RAD-PR62)	7.3	5.7	5.3	5.3	5.0	5.3	4.0	4.7	5.0
SALINAS II (PST-204D)	4.3	6.0	5.0	5.0	4.3	4.7	4.7	5.0	5.0
SIDEWAYS (PSRX-S84)	7.7	4.3	5.0	5.0	5.3	4.3	5.0	5.7	5.0
SUNSTREAKER (APR 2036)	6.0	6.3	5.3	5.0	4.3	5.0	5.0	4.3	5.0
UNO	6.0	5.7	6.0	5.7	4.0	4.7	4.0	5.0	5.0

TABLE 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	APR	MAY	JUN	QUALITY RATINGS		SEP	OCT	MEAN
JR-192	6.0	6.0	6.0	5.3	5.0	4.0	3.7	4.3	4.9
PST-2NJK	6.3	5.3	5.3	5.3	4.3	4.3	4.3	5.0	4.9
SOX FAN (GM3)	6.7	6.0	5.3	4.7	5.0	4.3	4.0	5.0	4.9
STAMINA (IS-PR 487)	5.3	4.7	5.0	5.3	6.0	4.3	4.3	4.7	4.9
MANHATTAN 6 GLR (PST-2MAGS)	7.3	6.3	5.3	4.0	4.3	4.7	3.3	5.7	4.8
PRX-4GM1	7.3	6.0	5.7	4.7	4.7	5.0	3.3	4.3	4.8
SIENNA	5.7	5.7	5.7	5.3	4.7	4.0	3.3	4.7	4.8
AMAZING A+ (PPG-PR 138)	7.3	5.0	5.0	5.0	4.3	4.0	4.3	5.0	4.7
CL 11601	6.0	4.7	4.7	4.0	5.0	4.3	5.3	4.7	4.7
HANCOCK (IS-PR 479)	8.0	5.3	6.0	5.0	4.0	5.0	3.0	4.7	4.7
HAVEN (APR 2038)	4.7	5.0	5.0	5.0	5.0	4.3	4.3	4.3	4.7
PROVOST (PPG-PR 143)	6.7	5.7	4.3	4.0	5.3	4.7	4.3	4.3	4.7
PST-2DR9	5.7	5.7	4.7	4.3	4.7	4.7	4.0	4.7	4.7
LTP-PR 135	6.0	5.3	5.0	5.0	5.0	4.0	3.3	4.7	4.6
PPG-PR 128	6.0	5.0	5.3	4.3	5.0	4.0	4.0	4.7	4.6
PPG-PR 142	5.7	5.3	5.0	4.0	4.0	4.3	4.7	4.7	4.6
GO-G37	7.7	5.7	5.0	4.0	4.0	4.7	3.3	5.0	4.5
INSIGHT	5.0	5.0	5.3	4.0	4.3	4.3	4.0	4.7	4.5
PST-2K9	6.3	5.0	5.3	4.3	3.7	4.0	4.7	4.7	4.5
ALLANTE	5.7	4.7	5.3	4.7	4.3	3.7	3.7	4.3	4.4
PACIFIC GEM (PST-2MG7)	7.3	5.7	4.3	4.7	3.7	4.3	3.7	4.3	4.4
PST-2ACR	6.0	5.0	5.0	3.7	3.7	4.0	4.0	5.3	4.4
PST-2NKM	5.3	5.0	4.7	4.3	3.7	4.3	3.7	5.3	4.4
BAR LP 10970	5.7	5.0	5.0	4.0	4.7	4.0	3.7	4.0	4.3
BAR LP 10972	4.7	5.3	5.0	4.0	3.7	4.3	4.0	4.0	4.3
PICK 4DFHM	5.7	5.7	5.0	4.3	3.3	4.3	3.3	4.3	4.3
DLF LGD-3022	5.0	5.3	4.7	4.7	4.7	3.7	3.0	3.7	4.2
PLAYOFF 2 (P02)	6.0	5.3	5.0	4.0	3.7	3.7	3.0	4.7	4.2
SEDUCTIVE (ISG-30)	8.3	5.0	5.0	3.7	4.0	4.3	2.7	4.3	4.1
APPLE SGL (PPG-PR 140)	5.0	4.7	4.0	3.7	4.3	3.3	4.0	3.7	4.0
DLF LGT 4182	7.0	4.7	5.0	4.7	3.3	3.3	2.7	4.0	4.0
PROMINENT (CS-20)	8.3	5.3	4.7	3.7	2.7	4.0	3.3	4.3	4.0
VINTAGE (ISG-36)	8.7	4.7	5.0	4.3	3.3	4.0	2.3	4.0	4.0
ASP 0112 (A-35)	8.7	4.7	4.7	4.3	3.3	4.3	2.3	3.7	3.9
BRIGHTSTAR SLT	5.0	5.0	4.3	4.7	3.0	3.3	3.0	3.7	3.9
DLF LGD-3026	6.3	5.0	5.3	3.7	2.3	2.7	3.7	4.3	3.9
EXCELLENCE (ISG-31)	7.7	5.3	4.0	3.3	3.0	3.3	3.3	4.3	3.8
GO-DHS	6.7	4.7	5.3	3.3	3.7	3.3	2.0	4.0	3.8
BAR LP 7608	3.0	4.0	4.3	4.0	3.3	3.0	3.0	4.0	3.7
PINNACLE	2.0	3.7	4.0	3.0	3.0	2.7	3.0	3.3	3.2
LINN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LSD VALUE	1.4	1.2	1.1	1.0	1.2	1.2	1.3	1.2	0.7
C.V. (%)	14.7	12.7	13.1	13.5	16.6	16.3	18.4	15.4	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 8. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 2010 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS, OR 1/ 2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
ASP 0112 (A-35)	7.7	6.3	6.7	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.7	4.7	4.7	6.5
BANDALORE (IS-PR 463)	8.0	5.3	6.3	6.7	6.3	7.0	7.0	7.3	7.7	7.7	7.0	5.0	4.3	6.5
GO-PR60	8.0	6.0	6.7	6.7	6.0	7.0	7.0	7.0	7.7	7.7	6.7	5.0	4.3	6.5
ASPIRE (IS-PR 491)	7.3	6.0	6.3	7.0	6.7	7.0	7.0	7.0	7.3	7.3	6.3	4.7	3.7	6.4
FIESTA 4	8.0	6.0	6.3	7.0	6.3	6.7	6.7	7.0	8.0	7.3	6.3	5.0	4.7	6.4
GRAND SLAM GLD (PPG-PR 164)	7.3	6.0	6.7	7.0	6.0	7.0	7.0	7.0	7.3	7.3	7.0	4.7	4.0	6.4
JR-178	7.7	5.7	6.3	6.7	6.0	7.0	7.0	7.0	7.3	7.3	6.7	5.3	4.7	6.4
MONSIEUR (IS-PR 488)	7.3	6.3	6.7	7.0	6.0	6.7	6.7	7.0	7.0	7.0	6.7	5.0	4.7	6.4
SR 4650 (PSRX-3701)	7.7	5.7	6.7	6.7	6.0	6.7	6.7	7.0	7.7	7.3	6.3	5.0	5.0	6.4
THRIVE (IS-PR 469)	8.0	5.7	6.3	7.0	6.7	6.3	6.3	7.0	7.7	7.3	6.3	5.0	5.0	6.4
VINTAGE (ISG-36)	8.0	6.0	6.7	7.0	6.7	6.3	6.3	7.3	7.3	7.0	6.3	5.0	4.3	6.4
APR 2445	8.0	6.0	6.7	6.0	6.0	6.7	6.7	7.0	7.0	7.0	6.3	5.0	5.0	6.3
EVOLUTION (S85)	7.7	5.7	6.3	7.0	6.0	6.7	6.7	7.0	7.3	7.0	6.3	5.3	4.7	6.3
HANCOCK (IS-PR 479)	8.0	5.7	6.3	7.0	6.3	6.7	6.7	7.0	7.3	7.3	6.7	4.7	4.3	6.3
PALMER V	7.7	5.7	6.7	6.3	6.0	7.0	7.0	7.3	7.3	7.0	6.0	5.0	4.0	6.3
PANGEA GLR (CL 11701)	8.0	5.7	6.0	6.7	6.3	7.0	7.0	7.0	7.7	7.3	6.3	4.3	4.3	6.3
PIZZAZZ 2 GLR (PR 909)	7.7	5.7	6.0	7.0	6.0	7.0	7.0	7.0	7.3	7.3	6.7	4.7	4.0	6.3
PROMINENT (CS-20)	8.0	5.7	6.7	6.3	6.7	7.0	7.0	7.0	7.0	7.0	7.0	4.3	4.3	6.3
PST-2BNS	7.3	5.7	6.7	6.3	6.3	7.0	7.0	7.0	7.0	7.0	6.0	5.0	4.7	6.3
RINOVO	8.0	5.3	6.3	6.7	6.0	6.3	6.3	7.3	7.7	7.3	6.7	5.0	4.7	6.3
RIO VISTA	7.3	5.7	6.3	6.3	6.0	7.0	7.0	7.0	7.3	7.3	6.3	5.0	4.3	6.3
RIPTIDE (IS-PR 409)	7.3	5.3	6.3	6.0	6.3	7.0	7.0	7.3	7.3	7.3	6.3	5.0	4.0	6.3
SEDUCTIVE (ISG-30)	8.3	6.0	7.0	6.3	6.7	6.7	6.7	6.7	7.3	7.3	7.0	4.0	4.3	6.3
WICKED (SRX-4RHD)	7.7	5.7	6.0	7.0	6.0	7.0	7.0	7.0	7.3	7.3	6.7	5.0	4.0	6.3
AMAZING A+ (PPG-PR 138)	7.3	6.0	6.0	6.7	6.3	6.7	6.7	7.0	7.0	7.0	6.3	4.7	4.3	6.2
BANFIELD (IS-PR 489)	7.3	5.7	6.7	6.7	6.3	6.3	6.3	7.0	7.3	7.0	6.3	4.3	4.0	6.2
DLF LGT 4182	7.3	5.7	7.0	6.3	6.0	6.7	6.7	7.0	7.3	7.3	6.3	4.3	4.0	6.2
EXCELLENCE (ISG-31)	8.0	5.7	7.0	6.0	6.0	6.7	6.7	7.0	7.3	7.0	6.3	4.3	4.7	6.2
GREEN SUPREME (PPG-PR 121)	7.7	5.7	6.3	6.3	6.0	6.7	6.7	7.3	7.0	7.0	7.0	4.7	3.7	6.2
KARMA (PICK 10401)	7.3	5.7	6.7	6.7	6.0	6.7	6.7	7.0	7.0	7.0	6.0	4.7	4.3	6.2
LTP-PR 135	7.3	5.7	6.0	6.0	6.0	7.0	7.0	7.0	7.3	7.3	6.3	4.3	4.3	6.2
MANHATTAN 6 GLR (PST-2MAGS)	7.3	5.7	6.7	6.7	6.0	6.7	6.7	7.0	7.3	7.0	6.0	5.0	4.0	6.2
PSRX-4CAGL	7.7	5.7	6.3	6.7	6.3	6.3	6.3	7.0	7.3	7.0	6.0	5.0	4.7	6.2
SOX FAN (GM3)	7.7	5.7	6.0	6.7	6.0	6.7	6.7	7.7	7.0	7.0	6.0	5.0	4.0	6.2
STAMINA (IS-PR 487)	7.7	5.3	6.0	6.3	6.0	6.7	6.7	7.0	7.3	7.3	6.3	5.0	4.0	6.2
BONNEVILLE	7.0	5.7	6.0	6.3	6.0	6.3	6.3	7.0	7.0	7.0	6.7	4.7	4.3	6.1
EXPEDITE (CL 307)	7.0	5.3	6.3	6.0	6.0	7.0	7.0	7.0	6.7	6.7	6.3	5.0	4.0	6.1
CS-PR66	7.7	5.7	6.0	6.3	6.3	6.3	6.3	7.0	7.0	7.0	6.0	4.3	4.7	6.1
DILIGENT (IS-PR 492)	7.3	5.7	6.3	7.0	6.0	6.0	6.0	7.0	7.0	7.0	6.0	5.0	4.3	6.1
FASTBALL RGL (PPG-PR 133)	7.0	5.7	6.3	7.0	6.0	6.7	6.7	7.0	6.7	6.7	6.0	4.7	4.0	6.1
GO-G37	8.0	5.7	6.3	6.7	6.3	6.3	6.3	7.0	7.0	7.0	6.3	4.7	4.0	6.1
OCTANE	7.3	5.3	6.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0	6.3	4.7	3.7	6.1
PACIFIC GEM (PST-2MG7)	7.7	5.3	6.7	6.0	6.0	6.7	6.7	7.0	7.3	7.0	6.3	4.3	4.0	6.1
PPG-PR 128	7.3	5.7	6.3	7.0	6.0	6.7	6.7	7.0	7.0	7.0	6.0	4.7	3.7	6.1
PPG-PR 136	7.3	5.3	6.7	6.3	6.0	6.3	6.3	7.0	7.0	7.0	6.0	5.0	4.7	6.1
PPG-PR 142	7.3	5.0	6.3	6.7	6.0	6.3	6.3	7.0	7.3	7.0	6.0	4.7	4.3	6.1
PREMIUM (PPG-PR 137)	7.3	5.0	6.0	6.0	6.0	6.7	6.7	7.0	7.0	7.0	6.0	5.0	4.3	6.1

TABLE 8. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS, OR 1/
2014 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	
PROVOST (PPG-PR 143)	7.3	5.3	6.3	6.7	6.0	6.7	6.7	7.0	6.7	7.0	6.3	4.3	3.7	6.1
PRX-4GM1	7.0	5.3	6.0	6.3	6.0	6.7	6.7	7.0	7.0	7.0	6.0	5.0	4.3	6.1
PST-2ACR	7.3	5.0	6.0	6.3	6.0	6.7	6.7	6.7	7.0	7.0	6.0	5.0	4.3	6.1
RAD-PR55R	7.3	5.7	6.0	6.7	6.0	6.0	6.0	7.0	7.0	7.0	6.7	4.7	4.0	6.1
PEPPER (RAD-PR62)	7.3	5.3	6.3	6.0	6.3	7.0	7.0	7.0	7.0	6.7	5.7	4.3	4.3	6.1
STELLAR 3GL (PPG-PR 134)	7.3	5.0	6.3	6.7	6.0	6.7	6.7	7.0	7.0	7.0	6.0	5.0	4.3	6.1
SUNSTREAKER (APR 2036)	7.7	5.7	6.3	6.0	6.0	6.3	6.3	7.0	7.3	7.0	6.0	5.0	4.3	6.1
UNO	7.7	5.3	6.7	6.3	6.0	6.7	6.7	7.0	7.0	7.0	6.0	4.7	3.7	6.1
CL 11601	7.0	5.3	6.3	6.3	6.0	6.3	6.3	7.3	7.0	7.0	6.0	4.7	3.7	6.0
DOMINATOR (PST-2AG4)	7.3	5.0	6.3	6.3	6.0	6.0	6.0	7.0	7.0	7.0	6.3	5.0	4.0	6.0
JR-192	7.0	5.0	6.3	6.0	6.3	7.0	7.0	7.0	7.0	6.7	5.7	4.3	4.0	6.0
LTP-RAE	7.0	5.3	6.0	6.3	6.0	6.7	6.7	7.0	7.0	7.0	6.0	4.7	3.7	6.0
MACH I	7.0	5.0	6.0	6.7	6.0	6.3	6.3	6.7	6.7	6.7	6.0	5.0	4.3	6.0
PICK 4DFHM	7.0	5.0	6.0	6.0	6.0	6.7	6.7	7.0	7.0	7.0	6.0	4.7	3.7	6.0
SIDEWAYS (PSRX-S84)	7.3	5.0	6.0	6.3	6.0	6.7	6.7	7.0	7.0	7.0	6.0	4.7	4.0	6.0
ALLANTE	6.7	5.0	6.0	6.0	6.0	6.7	6.7	7.0	7.0	6.7	5.7	4.0	3.7	5.9
APPLE SGL (PPG-PR 140)	7.0	5.0	6.0	6.0	6.0	6.7	6.7	7.0	6.7	6.7	6.0	4.7	3.7	5.9
APR 2320	7.0	5.0	6.3	6.0	6.0	6.7	6.7	7.0	7.0	7.0	6.0	4.0	3.7	5.9
BAR LP 10969	7.0	5.0	5.7	6.0	6.0	6.3	6.3	7.0	7.0	7.0	6.0	5.0	4.0	5.9
BAR LP 10972	7.0	5.0	6.0	6.0	6.0	6.3	6.3	7.0	7.0	7.0	6.0	4.3	3.3	5.9
DLF LGD-3022	7.0	5.3	6.3	6.0	6.0	6.3	6.3	7.0	7.0	7.0	6.0	4.3	3.7	5.9
GO-DHS	7.3	5.0	6.0	6.0	6.0	6.3	6.3	7.0	7.0	7.0	6.7	4.3	3.7	5.9
HAVEN (APR 2038)	7.0	5.0	6.3	6.0	6.0	6.7	6.7	7.0	7.0	7.0	6.0	4.0	3.7	5.9
INSIGHT	7.0	5.0	5.7	6.3	6.0	6.7	6.7	7.0	7.0	6.7	5.7	4.3	3.7	5.9
PILLAR (CST)	7.3	5.3	5.7	6.0	6.0	6.0	6.0	6.7	7.0	7.0	6.3	4.7	4.0	5.9
METOLIUS (PPG-PR 165)	7.7	5.0	6.0	6.3	5.7	6.3	6.3	7.0	7.0	7.0	6.0	4.7	4.0	5.9
PST-2DR9	7.3	5.7	6.3	6.0	6.0	6.3	6.3	7.0	7.0	7.0	6.3	4.0	3.3	5.9
PST-2K9	7.3	5.0	6.0	6.0	6.0	6.3	6.3	7.0	7.3	7.0	6.0	4.3	4.0	5.9
PST-2NJK	7.0	5.3	6.3	6.0	6.0	6.3	6.3	7.0	7.0	7.0	6.0	4.0	3.7	5.9
SIENNA	7.0	5.0	6.0	6.0	6.0	6.3	6.3	7.0	7.0	7.0	6.3	4.0	4.0	5.9
SR4660ST (SRX-4MSH)	7.0	4.7	6.0	6.0	6.0	6.7	6.7	7.0	6.7	6.7	6.0	4.3	4.0	5.9
BAR LP 10970	7.0	5.0	6.3	6.0	6.0	6.3	6.3	6.7	6.3	6.3	6.0	4.3	4.0	5.8
BAR LP 7608	6.7	5.0	6.3	6.0	5.7	6.7	6.7	6.7	7.0	6.3	5.3	4.0	4.0	5.8
BRIGHTSTAR SLT	7.0	4.7	6.3	6.0	5.3	6.3	6.3	7.0	7.0	7.0	6.0	4.3	3.3	5.8
DLF LGD-3026	7.0	5.0	6.3	6.0	6.3	6.0	6.0	7.0	7.0	7.0	6.0	3.7	3.0	5.8
PLAYOFF 2 (P02)	7.0	5.0	6.0	6.3	6.0	6.0	6.0	7.0	6.3	6.7	6.0	4.0	4.0	5.8
PST-2NKM	7.3	4.7	6.0	6.0	6.0	6.3	6.3	7.0	7.0	7.0	6.0	4.3	3.3	5.8
RAINWATER (PST-2TQL)	7.3	5.0	5.7	6.0	6.0	6.3	6.3	7.0	6.7	6.7	6.0	4.3	3.7	5.8
SALINAS II (PST-204D)	7.0	5.3	6.0	6.0	6.0	5.7	5.7	6.7	7.0	7.0	6.3	4.0	3.3	5.8
PINNACLE	6.7	5.0	5.7	5.7	5.0	6.0	6.0	7.0	6.7	6.3	5.3	4.0	3.0	5.5
LINN	6.3	4.3	5.0	4.7	3.7	6.3	6.3	6.3	6.7	6.7	6.0	4.0	3.0	5.3
LSD VALUE	0.9	0.8	1.1	0.6	0.5	1.5	1.5	0.7	0.9	0.9	0.9	0.8	1.0	0.3
C.V. (%)	6.1	8.3	7.3	6.0	4.9	7.3	7.3	3.5	5.5	5.0	6.8	9.5	12.8	2.8

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 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT UNIVERSITY PARK, PA 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	STEM RUST	MOWING QUALITY	JUN	JUL	AUG	SEP	MEAN
GRAND SLAM GLD (PPG-PR 164)	8.7	5.7	5.3	8.3	9.0	8.7	7.8
KARMA (PICK 10401)	7.3	6.3	6.0	8.7	8.7	7.3	7.7
THRIVE (IS-PR 469)	9.0	7.7	6.7	8.3	7.7	8.0	7.7
RIO VISTA	9.0	6.0	6.0	7.7	8.0	8.7	7.6
STELLAR 3GL (PPG-PR 134)	8.0	6.0	6.0	8.0	8.0	7.7	7.4
JR-178	9.0	5.3	5.7	8.3	7.3	8.0	7.3
LTP-RAE	9.0	6.0	5.7	8.3	7.7	7.3	7.3
SR 4650 (PSRX-3701)	8.0	5.7	5.3	7.7	8.3	8.0	7.3
BANDALORE (IS-PR 463)	8.7	6.0	5.3	8.0	7.3	8.0	7.2
PIZZAZZ 2 GLR (PR 909)	8.7	5.7	5.3	7.0	8.3	8.0	7.2
ASPIRE (IS-PR 491)	8.3	6.0	6.0	7.3	6.7	8.3	7.1
CL 11601	9.0	3.3	4.0	7.7	8.0	8.7	7.1
EVOLUTION (S85)	9.0	5.0	4.7	8.0	8.0	7.7	7.1
LTP-PR 135	8.0	5.7	6.0	7.0	8.0	7.3	7.1
METOLIUS (PPG-PR 165)	8.3	5.3	4.7	7.7	8.0	7.7	7.0
AMAZING A+ (PPG-PR 138)	7.7	5.3	5.7	8.0	7.7	6.3	6.9
RINOVO	8.7	6.3	6.7	7.7	6.3	7.0	6.9
APPLE SGL (PPG-PR 140)	7.0	5.0	4.7	8.3	7.3	7.0	6.8
BONNEVILLE	9.0	3.3	4.0	7.7	8.0	7.3	6.8
DILIGENT (IS-PR 492)	8.3	5.7	5.7	7.7	6.7	7.3	6.8
OCTANE	9.0	4.3	4.3	6.7	7.7	8.3	6.8
PANGEA GLR (CL 11701)	8.3	4.3	4.7	7.0	8.3	7.3	6.8
RIPTIDE (IS-PR 409)	8.7	6.0	6.0	7.7	6.3	7.0	6.8
SIENNA	7.7	6.7	5.0	8.0	7.3	7.0	6.8
EXPEDITE (CL 307)	8.3	6.0	5.3	7.0	7.0	7.3	6.7
FASTBALL RGL (PPG-PR 133)	7.7	5.3	5.0	7.3	7.3	7.0	6.7
PREMIUM (PPG-PR 137)	8.3	5.0	4.7	6.7	7.7	7.7	6.7
PROVOST (PPG-PR 143)	7.3	5.3	5.0	7.3	7.7	6.7	6.7
PST-2BNS	7.0	5.0	5.7	7.3	7.0	6.7	6.7
STAMINA (IS-PR 487)	6.3	6.0	5.3	8.3	7.0	6.0	6.7
APR 2320	6.3	8.0	7.0	7.3	6.0	6.0	6.6
BANFIELD (IS-PR 489)	8.7	4.7	4.7	7.3	7.0	7.3	6.6
DOMINATOR (PST-2AG4)	8.0	4.3	4.3	7.0	7.3	7.7	6.6
SIDEWAYS (PSRX-S84)	8.3	4.7	4.7	7.0	7.7	7.0	6.6
GREEN SUPREME (PPG-PR 121)	8.3	5.3	5.0	6.7	6.7	7.7	6.5
JR-192	5.3	7.3	6.7	7.3	6.3	5.7	6.5
MONSIEUR (IS-PR 488)	8.3	5.3	4.3	7.7	6.7	7.3	6.5
PST-2NKM	6.7	5.3	5.0	7.0	7.3	6.7	6.5
FIESTA 4	9.0	5.0	5.0	7.0	6.7	7.0	6.4
HANCOCK (IS-PR 479)	9.0	5.3	5.7	6.3	6.3	7.3	6.4
INSIGHT	7.7	7.3	5.0	7.3	6.3	7.0	6.4
PPG-PR 128	7.7	5.0	4.3	7.7	7.3	6.3	6.4
PPG-PR 136	7.7	5.0	4.7	6.7	7.3	7.0	6.4
SUNSTREAKER (APR 2036)	7.3	7.0	6.0	7.0	6.0	6.7	6.4
PILLAR (CST)	7.0	5.0	4.3	7.3	7.0	6.3	6.3
PPG-PR 142	7.0	5.3	4.3	7.0	7.7	6.0	6.3
WICKED (SRX-4RHD)	6.0	5.7	5.3	7.3	6.3	6.0	6.3

TABLE 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT UNIVERSITY PARK, PA 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	STEM RUST	MOWING QUALITY	JUN	JUL	AUG	SEP	MEAN
ALLANTE	6.0	7.3	5.0	6.7	7.0	6.0	6.2
APR 2445	8.3	5.3	5.0	7.0	6.3	6.3	6.2
SR4660ST (SRX-4MSH)	7.0	4.3	4.7	7.0	7.0	6.0	6.2
PSRX-4CAGL	8.3	5.0	5.0	6.0	6.0	7.3	6.1
MANHATTAN 6 GLR (PST-2MAGS)	7.3	4.3	4.7	6.0	6.7	6.7	6.0
PST-2DR9	6.0	3.7	4.7	7.0	6.0	6.3	6.0
PALMER V	8.7	5.3	4.7	6.3	5.3	7.3	5.9
PRX-4GM1	8.3	2.7	2.7	6.0	7.3	7.7	5.9
RAINWATER (PST-2TQL)	6.0	5.7	4.7	6.7	6.3	6.0	5.9
SOX FAN (GM3)	6.7	3.7	3.7	7.0	6.3	6.7	5.9
UNO	6.7	5.7	5.7	5.3	6.3	6.3	5.9
PST-2K9	6.0	5.0	4.7	6.0	6.7	6.0	5.8
SEDUCTIVE (ISG-30)	8.7	4.3	4.7	6.3	5.3	7.0	5.8
PST-2ACR	7.3	4.0	3.7	6.0	6.0	7.0	5.7
PST-2NJK	6.7	4.0	3.3	6.3	6.0	6.7	5.6
BAR LP 10969	4.3	7.0	5.7	5.3	6.0	5.0	5.5
BAR LP 10970	6.3	6.0	4.7	5.7	5.7	6.0	5.5
GO-PR60	8.0	5.3	4.7	5.3	5.3	6.7	5.5
ASP 0112 (A-35)	9.0	5.7	5.3	5.0	5.3	5.3	5.3
BAR LP 7608	5.0	6.3	5.0	5.3	5.0	5.7	5.3
DLF LGD-3022	6.0	5.3	4.3	6.0	5.3	5.7	5.3
GO-G37	8.7	4.7	4.3	5.3	5.3	6.3	5.3
MACH I	8.0	5.3	4.7	5.3	5.0	6.0	5.3
PACIFIC GEM (PST-2MG7)	7.0	4.0	4.0	5.7	5.7	5.7	5.3
RAD-PR55R	6.7	4.3	4.7	5.3	6.0	5.3	5.3
BAR LP 10972	6.0	5.3	5.0	5.3	4.7	5.7	5.2
PICK 4DFHM	5.3	3.7	3.7	5.3	5.7	6.0	5.2
PEPPER (RAD-PR62)	6.7	5.7	4.7	5.7	5.0	5.3	5.2
SALINAS II (PST-204D)	5.0	6.0	4.3	5.7	5.3	5.3	5.2
HAVEN (APR 2038)	5.3	4.3	4.0	5.7	5.3	5.3	5.1
VINTAGE (ISG-36)	9.0	5.7	4.7	4.3	6.0	5.3	5.1
EXCELLENCE (ISG-31)	8.3	3.7	3.3	5.3	6.0	5.3	5.0
PLAYOFF 2 (P02)	4.7	4.3	3.7	5.7	5.7	5.0	5.0
CS-PR66	8.0	3.7	4.3	4.3	5.0	6.0	4.9
PROMINENT (CS-20)	8.3	3.7	4.0	4.7	5.0	6.0	4.9
BRIGHTSTAR SLT	3.3	5.0	4.0	4.3	5.3	4.3	4.5
GO-DHS	5.7	6.0	5.0	3.7	5.0	4.3	4.5
DLF LGD-3026	5.0	5.0	3.3	4.7	4.3	5.3	4.4
DLF LGT 4182	6.0	5.3	5.7	2.7	3.7	3.7	3.9
PINNACLE	4.0	4.7	3.0	3.3	3.7	3.3	3.3
LINN	5.7	1.0	1.0	1.7	1.7	2.0	1.6
LSD VALUE	1.6	1.2	1.3	1.7	1.3	1.5	0.9
C.V. (%)	13.9	15.2	16.0	16.4	13.1	14.6	10.0

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

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

TABLE 10. PERCENT LIVING GROUND COVER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 1/
2010 NATIONAL PERENNIAL RYEGRASS TEST AT UNIVERSITY PARK (TRAFFIC STUDY), PA 2/
2014 DATA

NAME	NO TRAFFIC 5_7	TRAFFIC 5_7	TRAFFIC 9_4	TRAFFIC 11_1
SIENNA	99	91.7	99.0	97.3
INSIGHT	99	97.0	99.0	93.3
CL 11601	99	94.7	99.0	93.0
FASTBALL RGL (PPG-PR 133)	99	85.0	99.0	91.7
SR 4650 (PSRX-3701)	99	91.0	99.0	91.0
EVOLUTION (S85)	99	88.3	98.0	90.0
GRAND SLAM GLD (PPG-PR 164)	99	88.3	99.0	89.3
PIZZAZZ 2 GLR (PR 909)	99	84.7	99.0	89.3
STELLAR 3GL (PPG-PR 134)	99	85.0	99.0	89.3
THRIVE (IS-PR 469)	99	91.3	97.7	89.3
APPLE SGL (PPG-PR 140)	99	90.0	98.7	88.7
SR4660ST (SRX-4MSH)	99	88.3	99.0	88.7
DLF LGD-3022	99	93.0	98.7	88.3
KARMA (PICK 10401)	99	93.3	99.0	88.3
ALLANTE	99	91.3	99.0	87.7
BANFIELD (IS-PR 489)	99	91.3	99.0	87.7
LTP-PR 135	99	85.3	99.0	87.7
LTP-RAE	99	89.0	99.0	87.7
METOLIUS (PPG-PR 165)	99	93.0	99.0	87.7
RINOVO	99	86.7	99.0	87.7
SALINAS II (PST-204D)	99	76.7	98.7	87.7
EXPEDITE (CL 307)	99	73.3	99.0	87.3
BANDALORE (IS-PR 463)	99	86.3	99.0	87.0
DILIGENT (IS-PR 492)	99	90.0	99.0	87.0
DLF LGD-3026	99	81.7	96.7	87.0
PREMIUM (PPG-PR 137)	99	76.3	98.3	87.0
PST-2NKM	99	90.0	99.0	87.0
RIPTIDE (IS-PR 409)	99	90.0	99.0	87.0
SUNSTREAKER (APR 2036)	99	94.3	97.0	87.0
ASPIRE (IS-PR 491)	99	80.0	98.0	86.7
BAR LP 10970	99	81.7	98.7	86.7
PROVOST (PPG-PR 143)	99	80.0	99.0	86.7
PST-2K9	99	86.7	99.0	86.7
PST-2NJK	99	89.0	98.3	86.7
AMAZING A+ (PPG-PR 138)	99	85.0	98.0	86.0
BAR LP 7608	99	85.0	99.0	86.0
DOMINATOR (PST-2AG4)	99	88.3	96.0	86.0
PPG-PR 136	99	81.7	99.0	86.0
SIDEWAYS (PSRX-S84)	99	83.0	99.0	86.0
HAVEN (APR 2038)	99	87.7	98.3	85.3
PST-2ACR	99	91.7	98.7	85.3
FIESTA 4	99	86.3	97.7	85.0
GREEN SUPREME (PPG-PR 121)	99	86.7	98.0	85.0
HANCOCK (IS-PR 479)	99	89.3	98.3	85.0
JR-192	99	87.3	99.0	85.0
PRX-4GM1	99	86.7	99.0	85.0
PST-2DR9	99	86.7	98.7	85.0

TABLE 10. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT UNIVERSITY PARK (TRAFFIC STUDY), PA 1/
2014 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	NO TRAFFIC 5_7	TRAFFIC 5_7	TRAFFIC 9_4	TRAFFIC 11_1
APR 2445	99	78.3	98.0	84.3
BAR LP 10972	99	85.0	98.3	84.3
LINN	99	73.3	94.3	84.3
PLAYOFF 2 (P02)	99	88.3	94.3	84.3
RAINWATER (PST-2TQL)	99	92.3	98.3	84.3
BRIGHTSTAR SLT	99	91.3	96.0	83.7
PST-2BNS	99	88.3	99.0	83.7
EXCELLENCE (ISG-31)	99	83.3	95.7	83.3
CS-PR66	99	83.3	96.7	82.7
PALMER V	99	86.7	99.0	82.7
PANGEA GLR (CL 11701)	99	79.3	99.0	82.7
PICK 4DFHM	99	76.7	98.3	82.7
PILLAR (CST)	99	71.7	97.7	82.7
PPG-PR 142	99	88.3	98.7	82.7
SOX FAN (GM3)	99	80.0	96.7	82.7
UNO	99	88.3	97.7	82.7
APR 2320	99	86.7	98.7	81.7
OCTANE	99	83.3	97.0	81.7
PACIFIC GEM (PST-2MG7)	99	80.0	98.7	81.7
PPG-PR 128	99	83.3	99.0	81.7
STAMINA (IS-PR 487)	99	94.7	99.0	81.7
WICKED (SRX-4RHD)	99	78.3	97.7	81.7
PSRX-4CAGL	99	81.7	98.0	81.0
BONNEVILLE	99	83.3	98.0	80.0
MACH I	99	89.3	96.3	80.0
MONSIEUR (IS-PR 488)	99	92.7	98.0	80.0
GO-G37	99	83.3	98.0	78.3
VINTAGE (ISG-36)	99	78.3	98.0	78.3
MANHATTAN 6 GLR (PST-2MAGS)	99	78.3	98.7	77.7
RAD-PR55R	99	83.3	98.0	77.7
RIO VISTA	99	85.0	99.0	77.7
GO-DHS	99	81.7	98.0	76.7
PINNACLE	99	88.3	96.3	76.7
JR-178	99	76.7	98.0	76.0
SEDUCTIVE (ISG-30)	99	75.0	98.3	76.0
PROMINENT (CS-20)	99	81.7	98.0	75.0
GO-PR60	99	76.7	98.7	74.3
PEPPER (RAD-PR62)	99	81.7	96.7	73.3
BAR LP 10969	99	65.0	93.0	72.7
ASP 0112 (A-35)	99	71.7	94.3	71.7
DLF LGT 4182	99	53.3	88.7	40.0
LSD VALUE	0	18.4	3.1	10.3
C.V. (%)	0	10.3	1.7	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 11. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2014 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
GRAND SLAM GLD (PPG-PR 164)	8.0	7.0	6.7	7.0	7.3	7.0	6.7	7.1
STELLAR 3GL (PPG-PR 134)	5.7	7.0	6.3	6.3	8.3	7.7	8.3	7.1
WICKED (SRX-4RHD)	6.0	6.7	7.7	6.3	7.3	8.0	8.0	7.1
DOMINATOR (PST-2AG4)	6.7	6.3	6.7	5.7	7.0	7.0	8.7	6.9
SIDEWAYS (PSRX-S84)	5.3	6.0	7.7	6.0	7.0	7.7	7.7	6.8
EVOLUTION (S85)	5.7	6.7	6.0	6.0	6.7	7.3	8.3	6.7
HAVEN (APR 2038)	6.3	6.3	7.0	6.0	6.7	6.7	8.0	6.7
PANGEA GLR (CL 11701)	7.3	6.3	6.0	6.7	6.7	7.0	7.0	6.7
PST-2NJK	6.7	5.3	6.7	6.3	6.7	7.3	8.0	6.7
PST-2NKM	5.7	5.7	7.3	6.7	7.0	7.0	7.7	6.7
BAR LP 10970	5.7	6.0	6.0	6.0	7.3	7.3	7.7	6.6
FASTBALL RGL (PPG-PR 133)	5.3	6.0	6.7	6.7	6.7	7.0	8.0	6.6
KARMA (PICK 10401)	7.3	6.7	6.7	6.3	7.7	5.7	6.0	6.6
PREMIUM (PPG-PR 137)	6.3	5.7	6.3	6.0	7.0	6.7	8.0	6.6
PST-2DR9	5.7	6.0	6.3	6.3	7.3	6.0	8.3	6.6
PST-2K9	5.3	6.3	7.3	5.7	8.0	7.0	6.7	6.6
SALINAS II (PST-204D)	5.7	6.3	7.3	7.0	6.0	6.3	7.7	6.6
SR4660ST (SRX-4MSH)	6.7	6.0	6.7	6.0	7.3	6.7	7.0	6.6
APR 2445	6.3	6.3	5.7	6.7	7.0	6.3	7.3	6.5
CL 11601	6.3	6.7	7.7	7.3	6.3	5.7	5.7	6.5
DILIGENT (IS-PR 492)	5.3	6.7	7.0	6.0	7.7	6.3	6.7	6.5
GO-G37	6.3	5.0	6.0	6.0	7.0	7.3	8.0	6.5
LTP-PR 135	6.3	6.0	6.3	6.3	6.7	6.7	7.0	6.5
MANHATTAN 6 GLR (PST-2MAGS)	6.0	5.7	6.7	5.0	8.0	6.0	8.0	6.5
PICK 4DFHM	7.3	5.0	6.7	5.7	7.3	6.7	7.0	6.5
PLAYOFF 2 (P02)	5.3	5.3	6.3	7.0	6.3	7.0	8.0	6.5
PST-2ACR	5.7	6.0	6.3	6.0	8.0	6.7	7.0	6.5
PST-2BNS	6.3	5.7	7.3	6.0	6.7	6.7	7.0	6.5
UNO	6.3	5.7	5.7	6.7	7.0	7.0	7.0	6.5
AMAZING A+ (PPG-PR 138)	5.7	6.3	6.0	6.3	6.7	7.0	7.0	6.4
BRIGHTSTAR SLT	5.0	5.7	5.3	5.7	7.0	8.0	8.0	6.4
GO-DHS	6.7	5.7	6.0	6.3	7.0	6.7	6.7	6.4
PACIFIC GEM (PST-2MG7)	6.3	6.0	5.3	5.0	7.0	6.7	8.3	6.4
PALMER V	7.0	6.0	5.3	6.3	5.7	7.0	7.7	6.4
PPG-PR 128	5.7	6.0	5.7	7.0	7.7	6.0	6.7	6.4
RAINWATER (PST-2TQL)	5.3	5.3	6.3	6.3	7.7	6.3	7.3	6.4
SUNSTREAKER (APR 2036)	6.0	6.3	6.0	6.3	7.0	6.7	6.3	6.4
CS-PR66	5.7	6.3	5.7	6.3	6.3	7.0	7.0	6.3
EXCELLENCE (ISG-31)	5.7	6.0	5.3	6.3	6.7	6.7	7.3	6.3
GREEN SUPREME (PPG-PR 121)	5.3	5.7	6.7	6.7	7.7	6.0	6.3	6.3
PPG-PR 136	6.3	5.7	5.3	5.7	6.7	7.3	7.0	6.3
PROVOST (PPG-PR 143)	6.3	5.7	5.7	6.7	7.0	6.7	6.0	6.3
PRX-4GM1	6.3	5.7	7.0	7.0	5.7	6.3	6.3	6.3
APPLE SGL (PPG-PR 140)	6.3	5.0	6.0	5.7	6.3	7.0	7.3	6.2
BAR LP 10969	6.0	5.7	6.3	6.0	6.7	6.0	6.7	6.2
BAR LP 7608	5.7	6.0	5.7	6.3	7.0	6.7	6.0	6.2
DLF LGT 4182	5.0	6.3	6.0	5.7	6.3	6.7	7.3	6.2

TABLE 11. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2014 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
JR-192	5.7	5.3	7.0	6.7	7.0	5.7	6.0	6.2
SR 4650 (PSRX-3701)	6.0	6.3	7.3	6.0	7.0	5.3	5.7	6.2
BAR LP 10972	6.7	5.0	5.0	6.0	6.3	7.3	6.7	6.1
EXPEDITE (CL 307)	5.3	4.7	5.7	6.3	6.0	7.3	7.7	6.1
FIESTA 4	5.7	5.3	6.0	6.7	7.0	6.0	6.0	6.1
GO-PR60	7.0	5.0	5.7	5.0	6.7	6.7	7.0	6.1
MONSIEUR (IS-PR 488)	5.7	5.0	6.0	6.7	6.7	6.0	6.7	6.1
OCTANE	5.7	6.0	6.0	5.7	6.0	6.3	7.0	6.1
PILLAR (CST)	6.0	5.7	6.7	5.7	6.7	6.0	6.3	6.1
RINOVO	6.0	6.3	6.7	6.0	6.0	6.0	5.7	6.1
SEDUCTIVE (ISG-30)	5.0	5.3	5.3	6.3	6.7	6.7	7.7	6.1
ALLANTE	5.7	6.0	6.3	6.0	6.0	5.7	6.7	6.0
DLF LGD-3026	6.0	6.0	5.3	6.3	5.7	6.7	6.0	6.0
JR-178	5.7	5.3	5.3	6.3	6.3	7.0	6.3	6.0
PPG-PR 142	6.0	5.3	5.7	6.0	5.3	7.0	7.0	6.0
METOLIUS (PPG-PR 165)	6.0	5.7	5.0	6.0	6.7	6.0	6.3	6.0
RAD-PR55R	5.7	5.3	5.3	5.0	7.0	6.3	7.7	6.0
RIO VISTA	5.3	6.3	6.3	6.0	6.3	5.7	6.0	6.0
RIPTIDE (IS-PR 409)	6.0	5.7	6.3	5.0	6.0	6.0	6.7	6.0
STAMINA (IS-PR 487)	5.3	5.7	7.0	6.0	7.0	5.7	5.7	6.0
BONNEVILLE	5.7	5.3	5.7	6.3	5.3	6.7	6.3	5.9
DLF LGD-3022	5.7	6.0	6.0	6.0	5.7	6.3	5.7	5.9
PIZZAZZ 2 GLR (PR 909)	5.7	6.3	6.0	6.0	5.7	6.0	5.3	5.9
PEPPER (RAD-PR62)	5.7	5.3	4.3	6.3	6.0	5.7	7.7	5.9
SOX FAN (GM3)	7.0	5.3	7.0	5.7	5.7	5.3	5.3	5.9
THRIVE (IS-PR 469)	6.0	5.7	5.3	6.0	5.7	5.3	7.3	5.9
ASP 0112 (A-35)	5.3	5.7	5.7	5.7	6.0	5.7	6.3	5.8
BANFIELD (IS-PR 489)	5.7	5.3	5.3	6.3	5.7	6.0	6.0	5.8
LTP-RAE	5.7	6.0	6.3	6.3	5.3	5.0	5.7	5.8
VINTAGE (ISG-36)	5.7	5.3	4.3	5.7	7.0	6.0	6.7	5.8
BANDALORE (IS-PR 463)	6.0	5.3	5.7	5.7	5.7	5.3	6.0	5.7
PROMINENT (CS-20)	5.7	5.0	5.3	5.3	6.0	6.3	6.0	5.7
APR 2320	5.0	5.0	5.3	6.7	6.0	5.7	5.7	5.6
ASPIRE (IS-PR 491)	5.0	5.3	6.0	6.0	6.0	5.0	5.7	5.6
HANCOCK (IS-PR 479)	5.3	6.3	4.7	5.3	6.0	5.7	5.7	5.6
PINNACLE	6.0	5.0	5.0	6.0	5.7	5.7	6.0	5.6
PSRX-4CAGL	6.3	5.3	4.3	5.3	5.7	5.3	6.0	5.5
SIENNA	4.7	5.7	6.3	5.7	5.0	5.0	5.7	5.4
INSIGHT	4.7	4.7	5.0	5.7	5.0	5.7	6.3	5.3
MACH I	5.3	4.7	5.0	5.3	5.0	6.0	6.0	5.3
LINN	3.3	3.7	3.3	3.0	4.0	3.0	3.7	3.4
LSD VALUE	1.6	4.2	2.3	3.2	3.4	1.8	2.0	1.1
C.V. (%)	13.6	17.5	17.5	15.7	18.0	14.3	15.2	9.1

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.