

TABLE 1. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT RIVERSIDE, CA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ISG-31	7.7	8.0	8.0	8.0	6.7	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9
ISG-36	7.3	8.0	8.0	8.0	7.0	8.0	7.7	8.0	7.7	7.7	7.7	7.7	7.7
PROMINENT (CS-20)	7.0	8.0	8.0	8.0	6.0	8.0	8.0	8.0	7.7	7.7	7.7	7.7	7.6
A-35	6.7	7.7	8.0	8.0	6.3	7.7	8.0	7.7	7.7	7.3	7.3	7.3	7.5
GO-G37	7.0	8.0	8.0	8.0	5.7	7.3	8.0	8.0	8.0	7.3	7.3	7.7	7.5
ISG-30	6.7	7.7	7.7	7.7	6.7	7.7	7.7	7.3	7.7	7.0	7.0	7.7	7.4
FIESTA 4	7.0	7.0	7.3	8.0	7.0	7.3	7.0	7.0	7.7	7.3	7.3	7.3	7.3
THRIVE (IS-PR 469)	7.3	7.3	7.0	7.3	7.7	7.3	7.0	7.3	7.0	7.3	7.3	7.0	7.3
CS-PR66	6.0	7.0	7.3	7.3	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.7	7.2
HANCOCK (IS-PR 479)	7.0	8.0	7.7	7.7	7.0	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.2
RAD-PR55R	7.0	7.3	7.0	7.3	6.3	7.0	7.7	7.3	7.7	7.0	7.0	7.0	7.1
APR 2445	7.0	7.0	7.0	7.7	6.0	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0
BONNEVILLE	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
CL 307	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.3	7.0	7.0	7.0	7.0
PILLAR (CST)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
DLF LGD-3022	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	7.0
EVOLUTION (S85)	7.3	7.0	7.0	7.0	6.3	7.3	7.0	7.3	7.0	7.0	7.0	6.7	7.0
GO-DHS	5.7	8.0	8.0	7.7	5.0	6.3	7.3	8.0	7.0	7.0	7.0	7.0	7.0
BANDALORE (IS-PR 463)	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IS-PR 488	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
ASPAIRE (IS-PR 489)	7.0	7.3	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
BANFIELD (IS-PR 491)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IS-PR 492	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
JR-178	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
KARMA (PICK 10401)	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.3	7.3	7.0	7.0
LTP-RAE	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
PALMER V	6.7	7.0	7.0	7.0	7.3	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0
PANGEA GLR (CL 11701)	6.7	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
PIZZAZZ 2 GLR (PR 909)	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
PPG-PR 128	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
FASTBALL RGL (PPG-PR 133)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
PPG-PR 143	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
GRAND SLAM GLD (PPG-PR 164)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	7.0
PRX-4GM1	7.0	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
PSRX-4CAGL	6.7	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
RINOVO	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
SIDEWAYS (PSRX-S84)	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
SOX FAN (GM3)	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
SR 4650 (PSRX-3701)	6.3	7.0	7.0	7.0	7.0	7.3	7.0	7.3	7.0	7.0	7.0	7.0	7.0
UNO	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
APR 2036	6.3	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.3	6.9
BAR LP 10969	6.3	7.0	7.0	7.0	6.3	7.0	7.0	7.0	6.7	7.0	7.0	7.0	6.9
BAR LP 10970	6.3	6.7	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
BAR LP 10972	6.7	7.0	7.0	7.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
CL 11601	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	6.9
DOMINATOR (PST-2AG4)	6.7	7.0	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.9
GO-PR60	6.7	7.3	7.0	7.3	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9

TABLE 1. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT RIVERSIDE, CA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
IS-PR 409	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
STAMINA (IS-PR 487)	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.3	7.0	7.0	7.0	7.0	6.9
LTP-PR 135	6.7	6.7	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.9
MACH I	5.7	7.0	7.0	7.7	6.7	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.9
MANHATTAN 6 GLR (PST-2MAGS)	6.0	6.7	7.0	7.0	6.7	7.0	7.0	7.3	6.7	7.0	7.0	7.0	6.9
OCTANE	7.0	6.7	7.0	7.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
PICK 4DFHM	6.7	7.0	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
PPG-PR 121	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.9
STELLAR 3GL (PPG-PR 134)	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
PPG-PR 136	6.7	7.0	7.3	7.0	6.7	7.0	7.0	7.0	6.3	7.0	7.0	7.0	6.9
PREMIUM (PPG-PR 137)	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
PPG-PR 138	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.9
APPLE SGL (PPG-PR 140)	6.3	7.0	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
PPG-PR 142	6.3	6.3	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.9
PPG-PR 165	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.9
RIO VISTA	6.7	7.0	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
SIENNA	7.0	7.0	7.0	7.0	6.7	7.0	6.3	6.3	7.0	7.0	7.0	7.0	6.9
WICKED (SRX-4RHD)	6.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.9
2NJK	6.0	7.0	7.0	6.7	6.3	6.7	7.0	7.0	7.0	7.0	7.0	6.3	6.8
ALLANTE	6.0	6.7	7.0	6.7	6.7	6.7	7.0	6.7	7.0	7.3	7.3	7.0	6.8
APR 2320	6.3	7.0	6.7	7.0	6.3	7.0	7.0	6.7	6.7	7.0	7.0	6.7	6.8
DLF LGD-3026	6.7	6.7	7.0	7.0	6.7	7.0	7.0	7.0	6.3	7.0	7.0	6.7	6.8
DLF LGT 4182	6.7	7.0	7.0	7.0	5.7	6.3	7.0	7.0	6.3	7.0	7.0	7.0	6.8
HAVEN (APR 2038)	6.0	6.7	7.0	7.0	6.0	6.7	7.0	6.7	7.0	7.0	7.0	7.0	6.8
INSIGHT	6.7	7.0	7.0	7.0	6.7	7.0	6.3	6.0	7.0	7.0	7.0	7.0	6.8
JR-192	5.7	7.0	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.8
PLAYOFF 2 (P02)	6.0	6.7	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	6.3	6.8
PST-204D	6.0	7.0	7.0	7.0	6.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	6.8
PST-2ACR	6.3	7.0	7.0	7.0	6.0	7.0	7.0	7.0	6.7	7.0	7.0	6.7	6.8
PST-2BNS	6.0	7.0	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.8
PST-2DR9	6.3	7.0	7.0	7.0	5.7	6.7	7.0	7.0	7.0	7.0	7.0	6.7	6.8
PST-2K9	5.3	6.7	7.0	7.0	6.3	6.7	7.0	7.3	7.0	7.0	7.0	6.7	6.8
PST-2MG7	6.3	6.7	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.8
PST-2NKM	6.0	6.3	7.0	7.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.8
PST-2TQL	5.7	7.0	7.3	7.0	6.0	6.7	7.0	7.0	7.0	7.0	7.0	6.7	6.8
RAD-PR62	6.0	7.0	7.0	7.0	6.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.8
SRX-4MSH	6.3	7.0	7.0	7.0	6.0	6.7	7.0	7.0	7.0	7.0	7.0	6.7	6.8
BRIGHTSTAR SLT	6.3	6.7	6.3	6.7	6.0	6.3	7.0	7.0	7.0	7.0	7.0	6.7	6.7
BAR LP 7608	5.7	6.7	6.3	6.3	6.0	6.3	6.3	6.7	6.0	6.3	6.3	6.0	6.3
PINNACLE	6.0	6.0	6.0	6.0	5.7	5.7	6.3	6.0	6.3	6.0	6.0	6.0	6.0
LINN	6.0	6.0	5.0	5.0	5.0	5.0	6.0	6.0	5.3	5.0	5.0	6.0	5.4
LSD VALUE	1.2	0.5	0.3	0.3	0.7	0.5	0.3	0.4	0.6	0.3	0.3	0.6	0.2
C.V. (%)	8.9	4.5	2.6	3.1	6.6	4.6	2.8	3.4	4.8	2.8	2.8	4.8	1.9

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

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 RIVERSIDE (TRAFFIC STUDY), CA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT LIVING GROUND COVER			PERCENT CRABGRASS	QUALITY RATINGS													MEAN
	MARCH	MAY	JULY		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
BANDALORE (IS-PR 463)	63.3	80.0	86.7	8.3	4.3	3.3	3.3	3.7	5.0	5.0	6.0	5.7	6.0	4.0	4.0	3.7	4.5	
PICK 10401	63.3	80.0	93.3	7.3	3.7	3.0	3.3	3.3	5.0	4.7	6.7	6.0	6.0	4.0	4.0	4.0	4.5	
BONNEVILLE	63.3	83.3	92.7	13.3	4.0	3.3	3.3	4.0	4.3	5.0	6.3	6.0	6.0	4.0	4.0	3.0	4.4	
DLF LGD-3022	56.7	76.7	86.7	13.3	4.0	3.7	3.0	3.0	4.3	4.3	5.7	6.0	5.7	4.0	4.0	4.0	4.3	
BANFIELD (IS-PR 491)	63.3	73.3	85.0	11.7	4.3	3.3	3.3	3.3	4.3	4.7	5.7	6.0	5.0	3.7	3.7	3.7	4.3	
PSRX-4CAGL	60.0	80.0	91.7	11.7	3.7	3.0	3.3	3.3	4.7	4.7	6.3	6.0	5.7	3.7	3.7	3.7	4.3	
S85	60.0	76.7	86.7	4.7	4.0	3.3	3.3	3.7	4.3	4.3	5.7	5.7	5.3	3.7	3.7	4.3	4.3	
FIESTA 4	56.7	76.7	86.0	8.3	3.7	3.3	3.3	3.7	4.0	4.3	5.7	5.3	4.7	4.3	4.3	3.7	4.2	
OCTANE	63.3	80.0	86.7	8.3	4.3	3.3	3.7	3.3	3.7	4.7	5.7	5.7	5.7	3.3	3.3	3.3	4.2	
PST-204D	66.7	73.3	83.3	11.7	4.7	3.7	3.7	3.0	3.7	4.0	5.3	5.7	6.0	3.3	3.3	3.7	4.2	
PST-2BNS	63.3	76.7	93.3	5.7	4.0	3.0	3.3	3.3	4.0	4.3	6.7	6.0	5.3	3.7	3.7	3.3	4.2	
PST-2MG7	60.0	70.0	85.0	8.0	4.0	3.0	3.3	3.0	3.7	4.0	5.7	5.7	6.0	4.3	4.3	3.7	4.2	
2NJK	63.3	76.7	86.7	6.7	4.3	3.3	3.3	3.3	4.0	4.0	5.7	5.7	6.0	3.3	3.3	3.3	4.1	
GO-G37	60.0	66.7	83.3	15.0	4.3	3.3	3.3	3.0	3.3	4.3	5.3	5.7	5.7	3.7	3.7	3.3	4.1	
THRIVE (IS-PR 469)	56.7	70.0	83.3	11.7	4.0	3.3	3.0	3.7	4.0	4.7	5.3	5.3	6.0	3.3	3.3	3.3	4.1	
ASPAIRE (IS-PR 489)	53.3	70.0	86.7	10.7	4.0	2.7	3.0	2.7	3.7	4.0	5.7	5.7	6.0	4.0	4.0	3.3	4.1	
JR-192	60.0	73.3	83.3	10.7	4.0	3.3	3.3	3.7	3.3	4.0	5.3	5.7	5.7	3.7	3.7	3.3	4.1	
PSRX-3701	46.7	76.7	85.0	10.7	3.3	2.7	2.7	3.0	4.3	4.3	5.7	5.7	5.7	4.0	4.0	3.7	4.1	
SRX-4MSH	60.0	70.0	85.0	2.3	3.7	3.0	3.3	3.3	4.0	3.7	5.7	6.0	6.0	3.3	3.3	3.7	4.1	
UNO	53.3	70.0	85.0	11.7	3.3	3.0	3.3	3.3	3.7	4.0	5.3	5.7	5.3	4.0	4.0	3.7	4.1	
BRIGHTSTAR SLT	53.3	73.3	83.3	5.7	3.7	3.3	3.0	3.3	3.7	3.7	5.3	5.3	5.7	3.7	3.7	3.7	4.0	
CL 307	60.0	80.0	83.3	7.3	4.0	3.3	3.3	3.3	4.0	3.7	5.3	5.3	5.3	3.7	3.7	3.3	4.0	
GM3	53.3	73.3	85.0	11.7	4.0	3.3	3.0	3.0	3.7	4.7	5.7	5.3	5.7	3.3	3.3	3.0	4.0	
HANCOCK (IS-PR 479)	53.3	73.3	90.0	10.7	3.7	3.0	3.0	3.0	3.7	4.0	6.0	6.0	5.7	3.7	3.7	3.0	4.0	
JR-178	50.0	73.3	80.0	9.0	3.7	3.0	2.7	3.3	4.0	4.3	5.0	5.3	5.3	4.0	4.0	3.7	4.0	
PALMER V	56.7	73.3	80.0	9.0	3.7	3.3	3.0	3.3	3.7	4.3	5.0	5.7	5.3	3.7	3.7	3.7	4.0	
PSRX-S84	53.3	73.3	78.3	8.3	3.7	3.3	3.0	3.0	4.3	4.3	5.0	5.0	5.7	3.7	3.7	3.3	4.0	
PST-2NKM	53.3	70.0	83.3	5.7	3.7	3.3	3.0	3.3	3.7	3.3	5.3	5.3	5.3	4.0	4.0	3.3	4.0	
PST-2TQL	56.7	73.3	86.7	15.0	3.7	3.0	3.0	3.0	3.7	3.3	5.7	5.7	5.7	3.7	3.7	3.7	4.0	
RINOVO	50.0	70.0	85.0	20.0	3.7	3.3	3.0	3.0	4.0	4.3	5.7	5.0	5.7	3.3	3.3	3.7	4.0	
BAR LP 10970	56.7	76.7	85.0	9.0	3.7	3.3	3.0	3.3	3.7	4.0	5.7	5.3	5.3	3.3	3.3	3.3	3.9	
BAR LP 10972	53.3	71.7	83.3	8.3	3.3	3.0	3.0	3.0	3.7	4.0	5.3	5.7	5.7	3.3	3.3	3.7	3.9	
CL 11701	63.3	80.0	85.0	10.0	4.0	3.7	3.3	3.7	4.3	4.7	5.3	5.0	4.7	2.7	2.7	2.7	3.9	
IS-PR 488	53.3	70.0	81.7	13.3	3.7	3.0	3.0	3.0	3.3	4.0	5.0	5.7	5.7	3.7	3.7	3.3	3.9	
ISG-36	60.0	73.3	83.3	7.3	3.7	3.3	3.3	3.3	3.7	4.0	5.3	5.7	4.7	3.3	3.3	3.0	3.9	
LTP-RAE	40.0	73.3	81.7	8.3	3.3	3.0	2.3	3.0	4.3	4.0	5.3	5.0	5.3	4.0	4.0	3.7	3.9	
MACH I	56.7	70.0	81.7	13.3	4.0	3.0	3.0	3.0	3.3	4.0	5.3	5.7	6.0	3.3	3.3	3.0	3.9	
PICK 4DFHM	53.3	70.0	86.7	6.7	3.7	2.7	3.0	3.0	3.3	4.0	5.7	5.7	6.0	3.0	3.0	3.3	3.9	
PPG-PR 142	50.0	70.0	76.7	6.7	3.3	3.3	2.7	3.3	4.0	3.7	4.7	5.7	5.3	3.3	3.3	3.7	3.9	
PPG-PR 143	53.3	70.0	81.7	7.3	3.7	3.3	3.0	3.3	3.3	4.0	5.3	5.3	5.7	3.3	3.3	3.0	3.9	
PRX-4GM1	53.3	73.3	86.7	10.0	3.7	2.7	3.0	2.7	3.7	4.0	5.7	5.3	6.0	3.7	3.7	3.0	3.9	
CS-PR66	46.7	73.3	80.0	13.3	3.7	3.3	2.7	2.7	3.7	3.3	5.0	5.7	5.7	3.7	3.7	3.0	3.8	
PILLAR (CST)	46.7	66.7	76.7	6.3	3.3	3.0	2.3	3.3	3.3	4.0	4.7	5.3	5.3	3.7	3.7	3.0	3.8	
GO-PR60	53.3	73.3	76.7	6.7	4.0	3.3	3.0	3.0	3.3	4.0	4.7	5.3	5.7	3.3	3.3	3.0	3.8	
STAMINA (IS-PR 487)	46.7	73.3	80.0	7.3	3.7	3.0	2.7	3.0	3.7	3.7	5.0	5.0	5.7	3.3	3.3	3.3	3.8	
IS-PR 492	46.7	66.7	80.0	7.3	3.7	2.7	2.7	3.0	3.7	3.7	5.0	5.7	5.3	3.7	3.7	3.0	3.8	
PREMIUM (PPG-PR 13 7)	50.0	70.0	83.3	9.0	3.7	3.0	2.7	3.0	3.7	3.3	5.3	5.0	5.3	3.7	3.7	3.3	3.8	

TABLE 2. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT RIVERSIDE (TRAFFIC STUDY), CA 1/
2012 DATA

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

NAME	PERCENT	LIVING GROUND	COVER	PERCENT	QUALITY RATINGS												
	MARCH	MAY	JULY	CRABGRASS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PPG-PR 138	50.0	73.3	80.0	7.3	3.7	3.3	2.7	3.3	3.3	3.7	5.0	5.3	5.0	3.3	3.3	3.3	3.8
GRAND SLAM GLD (PPG-PR 164)	50.0	66.7	78.3	8.3	3.7	3.0	2.7	3.0	3.3	3.7	5.0	5.3	5.3	3.3	3.3	3.3	3.8
PST-2ACR	53.3	73.3	83.3	7.0	3.3	3.0	2.7	3.3	3.7	4.0	5.3	5.7	5.0	3.3	3.3	2.7	3.8
PST-2AG4	56.7	73.3	81.7	7.3	3.3	3.0	3.0	3.0	3.3	3.7	5.3	5.3	5.0	3.3	3.3	3.3	3.8
PST-2DR9	50.0	73.3	76.7	8.3	3.7	3.3	2.7	3.3	3.3	4.0	4.7	5.3	5.3	3.3	3.3	3.3	3.8
PST-2MAGS	50.0	70.0	83.3	15.0	3.3	3.0	2.7	3.0	3.7	4.0	5.3	5.3	5.3	3.3	3.3	3.0	3.8
APR 2445	46.7	70.0	80.0	10.7	3.3	3.0	2.7	3.0	3.7	4.0	5.0	5.0	4.7	3.3	3.3	3.0	3.7
GO-DHS	50.0	68.3	83.3	10.0	3.3	3.0	2.7	2.7	3.0	3.7	5.3	5.7	5.3	3.3	3.3	2.7	3.7
INSIGHT	43.3	60.0	76.7	10.7	3.3	2.7	2.3	3.0	3.0	3.3	4.7	4.7	5.3	4.0	4.0	3.7	3.7
STELLAR 3GL (PPG-PR 134)	50.0	70.0	80.0	5.7	3.3	3.3	2.7	3.0	3.7	3.7	5.0	5.3	5.3	3.0	3.0	3.3	3.7
PPG-PR 136	43.3	70.0	76.7	11.7	3.3	2.7	2.3	3.0	4.0	3.7	4.7	5.0	5.3	3.7	3.7	3.3	3.7
APPLE SGL (PPG-PR 140)	56.7	73.3	85.0	5.7	3.3	3.3	3.0	3.3	3.7	4.3	5.7	4.7	3.7	3.0	3.0	3.0	3.7
PST-2K9	53.3	70.0	83.3	9.0	3.7	3.0	2.7	3.3	3.3	4.0	5.3	5.7	4.7	2.7	2.7	3.0	3.7
RAD-PR55R	53.3	70.0	76.7	9.0	3.3	3.3	2.7	3.0	3.3	4.0	4.7	5.0	5.0	3.3	3.3	3.0	3.7
A-35	50.0	63.3	78.3	7.3	3.3	3.3	3.0	3.0	3.0	3.3	4.7	5.0	5.3	3.0	3.0	3.0	3.6
APR 2038	46.7	66.7	73.3	11.7	3.3	2.7	2.7	3.0	3.0	3.7	4.3	5.7	5.3	3.3	3.3	3.3	3.6
APR 2320	40.0	70.0	76.7	11.7	3.3	2.7	2.0	3.0	3.7	3.7	4.7	5.0	5.3	3.3	3.3	3.0	3.6
BAR LP 10969	46.7	66.7	76.7	8.3	3.3	3.0	2.3	3.0	3.3	3.3	4.7	5.3	5.0	3.3	3.3	3.0	3.6
IS-PR 409	50.0	66.7	76.7	13.3	3.3	3.0	2.7	3.0	3.0	3.3	4.7	5.3	5.7	3.0	3.0	3.0	3.6
ISG-30	46.7	66.7	76.7	18.3	3.7	2.7	2.7	3.0	3.3	3.3	4.7	5.3	4.7	3.3	3.3	2.7	3.6
PPG-PR 128	46.7	66.7	80.0	10.0	3.7	3.0	2.7	3.0	3.3	3.3	5.0	5.3	4.7	3.0	3.0	3.0	3.6
FASTBALL RGL (PPG-PR 133)	43.3	66.7	73.3	7.3	3.3	3.0	2.3	3.0	3.7	3.7	4.3	5.3	5.3	3.3	3.3	3.0	3.6
PPG-PR 165	46.7	63.3	71.7	10.0	3.3	2.7	2.7	3.0	3.0	3.3	4.0	5.3	5.7	3.3	3.3	3.0	3.6
RAD-PR62	53.3	70.0	78.3	11.7	3.3	3.0	3.0	3.0	2.7	3.3	4.7	5.0	5.7	3.3	3.3	3.0	3.6
RIO VISTA	43.3	70.0	76.7	8.3	3.3	3.0	2.3	3.0	3.0	3.7	4.7	5.3	5.3	3.3	3.3	3.0	3.6
BAR LP 7608	46.7	66.7	80.0	8.3	3.3	3.0	2.7	2.7	3.3	3.0	4.7	4.7	5.3	3.3	3.3	2.7	3.5
PROMINENT (CS-20)	46.7	63.3	73.3	16.7	3.3	3.3	2.7	3.0	3.3	3.3	4.3	5.0	5.0	3.0	3.0	2.7	3.5
P02	46.7	70.0	80.0	11.7	3.3	2.7	2.3	3.0	3.0	3.0	5.0	5.3	5.0	3.3	3.3	2.7	3.5
SRX-4RHD	46.7	66.7	80.0	13.3	3.3	2.7	2.3	3.0	3.3	3.7	5.0	5.0	5.0	3.0	3.0	3.0	3.5
APR 2036	40.0	66.7	76.7	13.3	3.0	2.7	2.0	2.7	3.3	3.3	4.3	5.0	5.3	3.0	3.0	3.0	3.4
ISG-31	40.0	66.7	76.7	18.3	3.3	3.0	2.3	3.0	3.7	3.7	4.7	4.7	4.3	3.0	3.0	2.3	3.4
LTP-PR 135	40.0	63.3	73.3	10.0	3.0	2.7	2.3	3.0	3.0	3.0	4.3	5.3	5.0	3.3	3.3	3.0	3.4
SIENNA	36.7	63.3	73.3	7.3	3.3	2.7	2.0	3.0	3.3	3.0	4.3	5.0	4.7	3.0	3.0	3.3	3.4
ALLANTE	40.0	66.7	73.3	8.3	3.3	2.7	2.3	2.3	3.0	3.3	4.3	4.7	4.7	3.3	3.3	2.7	3.3
CL 11601	36.7	66.7	73.3	9.0	3.0	2.7	2.0	3.0	3.0	3.0	4.3	4.7	4.7	3.0	3.0	3.0	3.3
PPG-PR 121	40.0	66.7	70.0	9.0	3.0	3.0	2.0	3.0	3.0	3.0	4.0	5.0	4.3	3.3	3.3	2.7	3.3
PR 909	36.7	60.0	66.7	14.0	3.0	3.0	2.0	2.7	3.0	3.0	3.7	4.3	5.3	3.0	3.0	3.0	3.3
DLF LGD-3026	36.7	63.3	70.0	15.0	3.0	2.3	2.0	3.0	3.0	3.0	4.0	4.3	4.7	3.0	3.0	2.7	3.2
DLF LGT 4182	40.0	60.0	66.7	15.0	3.0	2.3	2.0	2.3	3.0	3.0	3.7	4.7	4.7	3.0	3.0	2.3	3.1
PINNACLE	36.7	60.0	73.3	16.7	3.0	2.3	2.0	2.3	3.0	3.3	4.0	4.7	4.7	3.0	3.0	2.3	3.1
LINN	30.0	46.7	63.3	11.7	3.0	2.0	2.0	2.0	2.3	3.0	3.3	3.3	3.3	2.3	2.3	2.0	2.6
LSD VALUE	24.1	20.2	15.7	15.4	2.3	2.5	1.3	2.4	1.5	2.3	1.6	1.0	1.6	2.0	2.0	2.4	0.9
C.V. (%)	20.7	11.2	9.2	50.3	17.0	18.7	21.0	17.9	18.3	20.2	15.5	9.7	12.9	17.1	17.1	21.0	11.1

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 2. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT RIVERSIDE (TRAFFIC STUDY), CA 1/
2012 DATA

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

NAME	PERCENT COVER IN AUGUST			PERCENT COVER IN SEPTEMBER			PERCENT COVER IN OCTOBER			PERCENT COVER IN NOVEMBER		
	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN
BANDALORE (IS-PR 463)	3.0	7.7	89.3	3.0	3.7	93.3	8.3	18.3	73.3	5.0	11.7	83.3
PICK 10401	3.0	3.0	94.0	2.7	2.3	95.0	9.0	16.7	74.3	4.3	12.3	83.3
BONNEVILLE	3.0	3.7	93.3	2.3	3.0	94.7	7.3	17.3	75.3	4.3	20.0	75.7
DLF LGD-3022	2.7	3.7	93.7	4.3	4.3	91.3	9.3	20.0	70.7	3.7	9.0	87.3
BANFIELD (IS-PR 491)	3.0	3.7	93.3	11.0	6.0	83.0	16.7	18.3	65.0	3.7	13.3	83.0
PSRX-4CAGL	3.0	4.3	92.7	3.7	4.3	92.0	8.3	21.7	70.0	3.7	11.7	84.7
S85	2.3	8.3	89.3	7.7	5.0	87.3	9.0	21.7	69.3	2.3	13.3	84.3
FIESTA 4	3.0	9.3	87.7	4.7	6.0	89.3	9.0	16.7	74.3	3.7	15.0	81.3
OCTANE	3.0	4.7	92.3	4.3	5.0	90.7	15.0	21.7	63.3	5.7	13.3	81.0
PST-204D	3.0	5.3	91.7	3.7	4.3	92.0	11.7	21.7	66.7	5.0	13.3	81.7
PST-2BNS	3.0	3.7	93.3	10.0	8.3	81.7	10.0	30.0	60.0	4.3	16.7	79.0
PST-2MG7	3.0	5.3	91.7	3.7	5.0	91.3	9.0	17.3	73.7	5.0	12.3	82.7
2NJK	3.0	4.3	92.7	2.7	4.3	93.0	11.7	20.0	68.3	6.0	14.0	80.0
GO-G37	3.0	6.7	90.3	6.0	6.7	87.3	9.0	20.0	71.0	4.3	15.0	80.7
THRIVE (IS-PR 469)	3.0	25.0	72.0	3.0	4.3	92.7	10.7	23.3	66.0	4.3	15.0	80.7
ASPAIRE (IS-PR 489)	3.0	6.7	90.3	3.7	3.7	92.7	8.3	18.3	73.3	4.3	15.0	80.7
JR-192	2.7	6.0	91.3	4.7	4.3	91.0	10.7	21.7	67.7	4.3	15.7	80.0
PSRX-3701	3.0	7.7	89.3	4.3	6.0	89.7	11.7	16.7	71.7	3.7	14.0	82.3
SRX-4MSH	3.0	3.3	93.7	4.3	3.3	92.3	7.3	23.3	69.3	4.3	12.3	83.3
UNO	2.7	6.3	91.0	5.7	6.3	88.0	9.3	20.0	70.7	4.3	14.7	81.0
BRIGHTSTAR SLT	2.7	9.3	88.0	4.3	5.7	90.0	7.3	23.3	69.3	3.7	13.3	83.0
CL 307	3.0	7.7	89.3	6.7	4.3	89.0	11.7	23.3	65.0	4.3	16.7	79.0
GM3	3.0	9.3	87.7	5.0	6.7	88.3	10.7	25.0	64.3	3.7	21.7	74.7
HANCOCK (IS-PR 479)	3.0	4.3	92.7	4.3	5.7	90.0	11.7	25.0	63.3	5.0	16.7	78.3
JR-178	3.0	9.3	87.7	6.0	7.7	86.3	10.7	17.3	72.0	4.3	12.3	83.3
PALMER V	3.0	6.0	91.0	6.0	6.0	88.0	8.3	26.7	65.0	4.3	13.3	82.3
PSRX-S84	3.0	11.7	85.3	5.0	6.7	88.3	10.0	20.0	70.0	4.3	15.0	80.7
PST-2NKM	3.0	11.0	86.0	6.7	6.0	87.3	10.0	18.3	71.7	4.3	13.3	82.3
PST-2TQL	3.0	7.7	89.3	6.3	5.3	88.3	11.7	23.3	65.0	4.3	15.7	80.0
RINOVO	3.0	13.3	83.7	5.0	6.7	88.3	11.7	26.7	61.7	3.7	14.0	82.3
BAR LP 10970	3.0	10.0	87.0	6.7	7.7	85.7	15.0	23.3	61.7	4.3	18.3	77.3
BAR LP 10972	3.0	6.0	91.0	5.0	5.3	89.7	13.3	26.7	60.0	4.3	15.0	80.7
CL 11701	12.0	8.3	79.7	9.3	15.0	75.7	21.7	30.0	48.3	4.3	36.7	59.0
IS-PR 488	3.0	6.0	91.0	3.3	5.3	91.3	10.7	23.3	66.0	3.7	20.0	76.3
ISG-36	2.7	10.0	87.3	10.3	9.0	80.7	10.0	36.7	53.3	3.7	21.7	74.7
LTP-RAE	2.7	13.3	84.0	7.7	7.7	84.7	10.0	20.0	70.0	3.7	15.0	81.3
MACH I	3.0	6.7	90.3	4.3	4.3	91.3	10.0	25.0	65.0	5.7	18.3	76.0
PICK 4DFHM	3.0	5.0	92.0	3.0	5.7	91.3	10.0	26.7	63.3	4.3	14.0	81.7
PPG-PR 142	3.0	7.7	89.3	7.0	7.3	85.7	9.0	26.7	64.3	4.3	16.7	79.0
PPG-PR 143	3.0	10.0	87.0	4.3	6.7	89.0	13.3	26.7	60.0	4.3	20.0	75.7
PRX-4GM1	3.0	7.7	89.3	3.0	5.0	92.0	11.7	23.3	65.0	4.3	21.7	74.0
CS-PR66	3.0	6.0	91.0	6.0	5.0	89.0	11.7	23.3	65.0	4.3	21.7	74.0
PILLAR (CST)	3.0	11.0	86.0	5.0	7.7	87.3	12.3	23.3	64.3	5.0	18.3	76.7
GO-PR60	2.7	6.0	91.3	5.0	4.3	90.7	10.0	23.3	66.7	5.0	15.0	80.0
STAMINA (IS-PR 487)	3.0	9.3	87.7	3.7	6.0	90.3	11.7	26.7	61.7	4.3	17.3	78.3
IS-PR 492	3.0	8.3	88.7	5.3	7.0	87.7	13.3	21.7	65.0	4.3	20.0	75.7
PREMIUM (PPG-PR 13 7)	3.0	10.7	86.3	4.3	6.7	89.0	11.7	26.7	61.7	4.3	15.7	80.0

TABLE 2. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT RIVERSIDE (TRAFFIC STUDY), CA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER IN AUGUST			PERCENT COVER IN SEPTEMBER			PERCENT COVER IN OCTOBER			PERCENT COVER IN NOVEMBER		
	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN	STRAW	BARE SOIL	GREEN
PPG-PR 138	3.0	11.7	85.3	6.3	7.7	86.0	9.0	28.3	62.7	3.7	13.3	83.0
GRAND SLAM GLD (PPG-PR 164)	3.0	11.0	86.0	5.0	7.7	87.3	12.3	26.7	61.0	4.3	15.7	80.0
PST-2ACR	3.0	7.7	89.3	9.0	8.3	82.7	13.3	26.7	60.0	5.0	20.0	75.0
PST-2AG4	3.0	7.7	89.3	7.3	7.3	85.3	13.3	25.0	61.7	4.3	17.3	78.3
PST-2DR9	3.0	9.3	87.7	5.0	7.7	87.3	13.3	23.3	63.3	5.0	16.7	78.3
PST-2MAGS	3.0	11.7	85.3	6.3	7.3	86.3	13.3	21.7	65.0	5.0	21.7	73.3
APR 2445	3.0	11.7	85.3	8.3	8.3	83.3	11.7	26.7	61.7	4.3	20.7	75.0
GO-DHS	3.0	10.0	87.0	6.0	7.3	86.7	11.7	25.0	63.3	5.0	21.7	73.3
INSIGHT	3.0	10.0	87.0	5.7	8.3	86.0	10.0	21.7	68.3	4.3	16.7	79.0
STELLAR 3GL (PPG-PR 134)	3.0	9.3	87.7	6.7	7.7	85.7	15.0	26.7	58.3	4.3	16.7	79.0
PPG-PR 136	3.0	12.7	84.3	6.0	8.7	85.3	11.7	21.7	66.7	3.7	15.0	81.3
APPLE SGL (PPG-PR 140)	15.3	9.3	75.3	17.3	15.7	67.0	25.0	26.7	48.3	3.7	23.3	73.0
PST-2K9	3.0	7.7	89.3	10.0	11.7	78.3	23.3	25.0	51.7	4.3	16.7	79.0
RAD-PR55R	3.7	11.0	85.3	5.7	8.7	85.7	11.7	28.3	60.0	4.3	21.7	74.0
A-35	3.0	10.0	87.0	8.7	10.7	80.7	7.3	30.0	62.7	4.3	22.3	73.3
APR 2038	3.0	8.3	88.7	6.7	8.3	85.0	13.3	31.7	55.0	4.3	18.3	77.3
APR 2320	3.0	13.3	83.7	6.3	7.3	86.3	13.3	28.3	58.3	5.0	20.0	75.0
BAR LP 10969	3.0	11.7	85.3	11.0	8.3	80.7	15.0	23.3	61.7	5.0	20.0	75.0
IS-PR 409	3.0	10.0	87.0	4.3	6.0	89.7	11.7	30.0	58.3	5.0	20.0	75.0
ISG-30	3.0	10.0	87.0	10.0	10.0	80.0	13.3	28.3	58.3	5.0	23.3	71.7
PPG-PR 128	3.0	10.0	87.0	10.0	11.7	78.3	13.3	35.0	51.7	5.0	23.3	71.7
FASTBALL RGL (PPG-PR 133)	3.0	11.0	86.0	5.7	7.7	86.7	13.3	23.3	63.3	4.3	20.0	75.7
PPG-PR 165	3.0	10.0	87.0	3.0	6.0	91.0	11.7	23.3	65.0	5.0	18.3	76.7
RAD-PR62	3.0	13.3	83.7	4.3	6.0	89.7	13.3	25.0	61.7	5.0	20.0	75.0
RIO VISTA	3.0	10.0	87.0	6.0	8.3	85.7	13.3	21.7	65.0	5.0	18.3	76.7
BAR LP 7608	3.0	13.3	83.7	5.7	7.3	87.0	11.7	31.7	56.7	5.0	23.3	71.7
PROMINENT (CS-20)	3.0	16.7	80.3	7.3	11.7	81.0	13.3	28.3	58.3	5.0	25.0	70.0
P02	3.0	11.0	86.0	7.7	8.3	84.0	11.7	26.7	61.7	5.0	23.3	71.7
SRX-4RHD	3.0	13.3	83.7	6.3	8.3	85.3	15.0	26.7	58.3	4.3	20.0	75.7
APR 2036	3.0	10.0	87.0	5.7	8.0	86.3	13.3	33.3	53.3	5.7	20.0	74.3
ISG-31	3.0	15.0	82.0	10.7	15.0	74.3	13.3	40.0	46.7	5.0	31.7	63.3
LTP-PR 135	3.0	11.7	85.3	6.7	7.3	86.0	15.0	23.3	61.7	4.3	20.0	75.7
SIENNA	3.0	14.0	83.0	8.3	8.3	83.3	15.0	26.7	58.3	4.3	19.0	76.7
ALLANTE	3.0	18.3	78.7	7.7	11.7	80.7	11.7	25.0	63.3	3.7	25.0	71.3
CL 11601	3.0	15.0	82.0	11.3	9.0	79.7	13.3	30.0	56.7	5.0	20.0	75.0
PPG-PR 121	3.0	15.0	82.0	10.7	11.7	77.7	15.0	26.7	58.3	5.0	23.3	71.7
PR 909	3.0	16.7	80.3	7.7	8.3	84.0	13.3	21.7	65.0	4.3	18.3	77.3
DLF LGD-3026	3.0	18.3	78.7	21.7	13.3	65.0	16.7	26.7	56.7	5.0	25.0	70.0
DLF LGT 4182	3.0	15.0	82.0	7.3	9.0	83.7	11.7	31.7	56.7	5.7	31.7	62.7
PINNACLE	4.3	12.3	83.3	8.7	13.3	78.0	16.7	26.7	56.7	4.3	43.3	52.3
LINN	3.0	36.7	60.3	16.7	31.7	51.7	18.3	53.3	28.3	10.0	58.3	31.7
LSD VALUE	11.9	10.9	13.4	16.5	7.9	17.8	15.1	19.3	29.6	3.3	17.5	18.0
C.V. (%)	87.7	56.8	7.3	77.0	55.1	9.7	39.9	30.6	16.8	26.8	44.7	11.6

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

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

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	RED THREAD	QUALITY RATINGS							MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	
EVOLUTION (S85)	5.0	6.7	6.7	7.7	5.7	6.3	5.7	5.3	6.3
APR 2320	5.0	6.7	7.0	6.0	6.7	6.3	5.0	5.0	6.1
PST-2BNS	6.0	5.7	6.3	6.7	7.0	6.3	5.0	5.7	6.1
PST-2MG7	5.3	6.7	6.7	6.7	6.0	6.3	4.7	5.7	6.1
BAR LP 10969	5.7	6.3	6.7	6.0	6.0	5.7	5.0	6.3	6.0
PROMINENT (CS-20)	4.3	6.7	6.7	6.0	5.0	6.3	5.7	6.0	6.0
KARMA (PICK 10401)	4.7	5.7	6.3	7.0	6.3	5.7	5.0	6.3	6.0
PANGEA GLR (CL 11701)	5.0	6.3	7.0	6.3	6.0	6.3	4.7	5.3	6.0
RAD-PR62	5.7	6.0	5.0	5.7	6.0	6.7	6.3	6.3	6.0
DLF LGT 4182	4.7	6.0	6.0	5.7	5.0	6.0	6.0	6.3	5.9
APPLE SGL (PPG-PR 140)	5.0	5.7	7.0	7.0	5.7	5.7	4.3	5.7	5.9
WICKED (SRX-4RHD)	6.7	6.0	6.7	5.3	6.7	5.7	5.0	5.7	5.9
CL 11601	4.7	6.7	6.7	6.3	6.0	5.3	4.0	5.3	5.8
STAMINA (IS-PR 487)	5.7	6.3	6.0	6.0	6.7	4.7	4.7	6.0	5.8
STELLAR 3GL (PPG-PR 134)	5.3	5.3	6.3	6.3	7.0	5.3	4.7	5.3	5.8
BONNEVILLE	5.3	6.0	6.3	6.0	6.3	5.3	4.7	5.0	5.7
PILLAR (CST)	5.7	5.3	5.7	6.0	6.7	6.0	4.3	5.7	5.7
THRIVE (IS-PR 469)	4.7	6.7	7.3	6.7	5.7	5.3	3.3	5.0	5.7
ASPAIRE (IS-PR 489)	4.7	6.0	7.0	6.0	6.0	5.3	4.7	5.0	5.7
PIZZAZZ 2 GLR (PR 909)	5.3	6.0	6.3	6.7	6.0	5.3	4.7	4.7	5.7
PPG-PR 121	5.0	5.7	6.7	6.3	5.7	5.3	5.0	5.3	5.7
PREMIUM (PPG-PR 137)	5.0	6.0	6.3	6.0	5.7	6.3	4.7	4.7	5.7
PST-204D	4.7	5.7	6.0	6.3	5.3	6.0	5.3	5.3	5.7
PST-2ACR	4.0	7.0	6.7	6.7	5.3	5.0	4.3	4.7	5.7
PST-2TQL	5.0	6.3	6.3	6.0	5.7	6.3	4.7	4.7	5.7
CL 307	4.3	6.3	5.7	7.0	5.7	5.0	4.7	4.7	5.6
DLF LGD-3022	4.7	6.3	7.0	6.3	6.0	5.3	4.0	4.3	5.6
DOMINATOR (PST-2AG4)	3.7	6.7	6.3	7.3	5.0	5.7	3.7	4.3	5.6
HAVEN (APR 2038)	5.3	5.7	6.0	6.0	6.0	5.3	4.7	5.3	5.6
BANFIELD (IS-PR 491)	4.3	6.0	6.7	6.0	5.7	6.0	4.3	4.7	5.6
IS-PR 492	5.3	5.7	6.3	6.3	5.7	5.3	4.3	5.3	5.6
ISG-30	3.7	5.7	6.3	5.7	5.7	6.0	5.3	4.7	5.6
PST-2K9	3.3	5.7	6.3	5.7	4.3	5.7	5.7	5.7	5.6
PST-2NKM	5.0	6.3	6.0	6.3	6.7	5.0	4.0	5.0	5.6
RIO VISTA	5.0	6.0	6.3	6.7	5.7	4.7	5.0	4.7	5.6
A-35	5.3	5.3	5.3	5.0	5.3	6.7	6.0	5.0	5.5
APR 2036	4.0	5.7	5.7	5.3	5.0	5.3	5.3	6.0	5.5
GO-PR60	4.7	6.0	6.3	5.7	6.0	5.0	4.7	4.7	5.5
ISG-36	4.0	6.3	5.7	6.3	5.3	5.3	4.3	5.0	5.5
OCTANE	5.3	5.3	6.7	6.3	5.7	5.3	4.0	5.0	5.5
FASTBALL RGL (PPG-PR 133)	5.7	5.3	5.7	6.3	6.7	5.0	4.3	5.0	5.5
GRAND SLAM GLD (PPG-PR 164)	5.0	6.0	5.3	6.0	6.3	5.3	4.7	4.7	5.5
PST-2DR9	4.3	6.0	5.7	5.7	5.7	4.7	5.0	5.7	5.5
SR 4650 (PSRX-3701)	4.3	6.0	6.7	6.3	5.7	5.3	4.0	4.7	5.5
FIESTA 4	3.7	6.0	6.0	6.0	4.7	5.3	4.7	5.0	5.4
BANDALORE (IS-PR 463)	5.0	6.0	7.0	6.7	5.0	5.0	4.0	4.3	5.4
JR-178	5.0	6.3	6.7	6.0	5.0	5.3	4.0	4.3	5.4

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	RED THREAD	QUALITY RATINGS							MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	
PPG-PR 128	4.7	5.7	5.7	5.3	5.3	5.7	5.0	5.3	5.4
PPG-PR 136	5.0	6.0	5.7	7.0	5.7	6.0	3.7	4.0	5.4
PPG-PR 138	4.0	5.7	6.3	5.7	5.3	5.0	4.7	5.3	5.4
PPG-PR 143	5.3	5.3	6.3	6.0	5.0	6.0	4.0	5.0	5.4
RAD-PR55R	4.0	6.0	6.7	5.7	4.7	6.0	3.7	5.0	5.4
SIDEWAYS (PSRX-S84)	5.0	6.0	6.3	6.7	5.3	4.7	4.3	4.3	5.4
2NJK	4.3	5.7	6.0	6.3	5.3	5.3	4.0	4.7	5.3
APR 2445	4.7	6.3	6.0	5.3	5.7	4.3	4.3	5.3	5.3
BAR LP 10970	5.0	6.0	6.7	6.0	5.0	5.7	3.7	4.3	5.3
BAR LP 10972	4.3	5.3	6.7	6.0	4.3	5.3	5.0	4.3	5.3
BAR LP 7608	4.0	5.3	5.7	6.0	5.3	5.0	4.3	5.7	5.3
GO-DHS	3.0	6.0	5.7	5.3	5.0	5.7	4.7	4.7	5.3
ISG-31	3.7	5.7	6.0	5.7	4.7	5.7	4.7	5.0	5.3
PPG-PR 142	5.0	5.7	6.7	6.3	5.3	5.0	3.7	4.7	5.3
PPG-PR 165	4.7	6.0	6.3	6.7	4.7	5.0	3.7	4.7	5.3
CS-PR66	4.3	6.0	6.3	6.0	5.0	5.3	4.0	4.0	5.2
GO-G37	4.0	5.7	5.7	5.0	4.7	4.7	5.7	5.0	5.2
PICK 4DFHM	3.7	5.0	5.7	6.0	5.0	5.0	5.0	4.7	5.2
PINNACLE	4.7	6.0	5.3	5.7	6.0	4.7	4.0	5.0	5.2
PLAYOFF 2 (P02)	5.7	5.7	5.3	6.3	6.3	4.7	4.0	4.3	5.2
PRX-4GM1	4.0	6.0	6.3	6.0	5.0	5.0	4.0	4.0	5.2
RINOVO	3.7	5.3	5.7	6.0	5.0	5.3	5.3	4.0	5.2
LTP-PR 135	5.3	5.0	6.0	5.7	6.0	4.7	4.0	4.7	5.1
UNO	4.0	6.3	6.3	6.3	5.3	4.0	3.3	4.3	5.1
ALLANTE	4.3	5.3	6.3	5.7	5.7	4.0	4.3	4.0	5.0
HANCOCK (IS-PR 479)	3.7	5.3	5.7	5.3	4.7	5.3	4.3	4.3	5.0
LTP-RAE	5.3	5.0	6.0	5.0	5.7	5.0	4.3	4.0	5.0
MACH I	3.3	5.7	6.3	5.7	4.7	4.7	4.0	4.3	5.0
PALMER V	4.3	5.3	5.7	6.0	5.0	4.3	4.7	4.3	5.0
SRX-4MSH	4.7	6.0	5.7	4.7	5.3	4.7	3.7	4.7	5.0
BRIGHTSTAR SLT	3.3	6.3	6.0	5.7	4.7	4.7	2.7	4.0	4.9
SOX FAN (GM3)	4.3	5.3	5.3	5.3	5.0	4.3	4.3	4.3	4.9
JR-192	4.3	5.7	6.0	5.3	4.3	5.0	3.3	4.0	4.8
IS-PR 409	4.0	5.0	5.7	5.7	4.3	4.3	3.3	4.7	4.7
IS-PR 488	3.3	6.0	6.0	5.3	4.3	4.7	3.0	3.7	4.7
PSRX-4CAGL	3.3	5.7	6.0	5.7	3.3	4.7	4.0	3.7	4.7
DLF LGD-3026	4.0	5.3	6.3	5.3	4.3	4.7	3.0	3.3	4.6
MANHATTAN 6 GLR (PST-2MAGS)	3.3	5.7	5.3	5.0	4.7	4.7	3.0	4.0	4.6
SIENNA	3.7	4.3	5.7	5.3	4.7	4.0	4.3	4.0	4.6
INSIGHT	3.3	5.0	5.3	5.0	4.0	3.3	3.3	4.3	4.3
LINN	6.3	4.3	4.3	4.0	5.0	3.0	4.3	4.0	4.1
LSD VALUE	2.0	3.1	4.0	5.1	1.9	2.3	5.3	5.4	2.4
C.V. (%)	20.9	14.3	15.2	18.4	16.8	18.2	28.3	24.6	12.3

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 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT URBANA, IL 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
STAMINA (IS-PR 487)	6.0	6.3	6.7	6.7	7.0	6.0	6.3	7.0	7.0	6.7
CL 11601	6.0	7.3	7.0	6.7	6.7	6.0	6.3	6.3	7.0	6.6
SR 4650 (PSRX-3701)	6.0	6.3	6.3	7.3	7.3	5.7	6.7	6.3	5.7	6.5
JR-178	6.0	6.7	6.3	6.3	7.7	5.3	6.7	6.3	6.0	6.4
KARMA (PICK 10401)	5.7	7.0	6.7	7.3	6.7	5.3	6.0	6.7	6.0	6.4
LTP-PR 135	6.0	6.0	5.7	6.7	7.0	6.0	6.7	6.7	6.3	6.4
2NJK	6.3	4.7	6.0	6.3	6.0	6.0	6.7	6.7	6.7	6.3
JR-192	6.3	6.0	6.3	6.3	7.0	6.0	5.3	6.7	6.7	6.3
PPG-PR 165	6.0	6.0	6.0	6.7	6.7	5.7	5.7	6.7	6.7	6.3
SIDEWAYS (PSRX-S84)	5.7	6.3	6.3	7.0	6.7	6.3	5.7	6.3	5.7	6.3
PST-2ACR	6.0	6.3	6.3	6.3	6.7	5.3	6.3	6.3	6.3	6.2
UNO	6.0	5.3	6.0	6.7	6.7	5.7	6.0	6.3	6.3	6.2
PIZZAZZ 2 GLR (PR 909)	5.7	6.3	6.7	6.3	6.0	5.0	5.7	6.7	6.3	6.1
GRAND SLAM GLD (PPG-PR 164)	6.0	6.0	6.3	6.3	6.7	5.0	6.0	6.0	6.3	6.1
PST-2BNS	5.7	6.3	6.0	6.3	6.3	6.0	6.3	6.3	5.7	6.1
APR 2036	6.3	5.3	6.3	6.3	6.7	5.0	6.3	5.7	6.0	6.0
APR 2445	6.0	5.7	5.3	6.3	6.3	5.0	6.0	6.7	6.0	6.0
BONNEVILLE	5.7	6.0	6.0	6.7	6.7	6.0	6.0	5.3	5.7	6.0
DOMINATOR (PST-2AG4)	6.3	6.0	5.3	5.0	6.7	5.3	6.7	6.7	6.3	6.0
EVOLUTION (S85)	6.0	6.0	5.7	6.3	6.0	5.3	6.3	6.0	6.7	6.0
MANHATTAN 6 GLR (PST-2MAGS)	6.0	6.3	5.3	6.0	7.0	5.3	6.3	5.7	6.3	6.0
PANGEA GLR (CL 11701)	6.0	5.3	6.0	5.7	6.3	4.7	6.7	6.3	6.7	6.0
STELLAR 3GL (PPG-PR 134)	6.0	5.7	5.7	6.3	6.7	5.3	6.0	5.7	6.0	6.0
PPG-PR 143	6.0	5.0	4.3	7.3	6.7	6.0	5.7	6.3	6.0	6.0
PRX-4GM1	6.0	5.7	5.7	7.0	6.3	5.3	6.3	5.7	5.7	6.0
PST-2MG7	6.3	6.3	6.0	6.3	7.0	5.7	6.7	5.0	5.7	6.0
RINOVO	5.7	6.0	6.0	7.0	6.0	5.3	5.7	6.0	6.0	6.0
SOX FAN (GM3)	6.0	6.3	5.7	6.0	6.7	6.0	6.3	6.3	5.3	6.0
SRX-4MSH	5.7	5.7	5.0	5.7	6.0	6.0	6.7	6.3	6.0	6.0
APR 2320	6.0	5.7	6.0	6.7	6.7	4.7	5.7	6.0	5.7	5.9
BAR LP 10969	5.7	5.0	6.0	7.0	6.3	4.7	5.7	5.7	5.7	5.9
IS-PR 488	6.7	6.0	5.7	6.7	6.7	4.3	5.7	6.0	6.0	5.9
BANFIELD (IS-PR 491)	6.3	5.7	5.7	5.7	7.3	5.0	5.3	6.0	6.0	5.9
OCTANE	6.0	5.0	5.7	7.0	6.7	5.0	5.7	5.7	5.3	5.9
PPG-PR 128	6.3	6.0	5.0	7.0	6.3	5.3	5.3	6.3	5.7	5.9
PPG-PR 138	6.0	5.0	5.0	7.0	6.3	5.7	5.7	6.0	5.3	5.9
APPLE SGL (PPG-PR 140)	5.7	5.3	5.3	6.7	6.3	5.3	5.3	6.0	6.3	5.9
PALMER V	5.7	5.7	5.0	5.3	6.3	4.7	6.7	6.3	6.0	5.8
PREMIUM (PPG-PR 137)	6.3	5.3	5.0	6.7	6.0	5.0	6.3	6.0	5.3	5.8
PPG-PR 142	6.0	5.3	5.0	6.7	6.0	5.3	5.7	6.3	5.3	5.8
RIO VISTA	6.0	5.3	5.3	6.7	6.0	5.3	5.7	6.0	5.7	5.8
WICKED (SRX-4RHD)	6.3	6.7	5.7	6.0	7.0	4.3	5.3	6.0	6.3	5.8
BAR LP 10970	6.3	5.0	5.0	5.7	6.0	5.0	6.0	6.0	6.3	5.7
CL 307	6.0	5.0	4.3	5.7	6.7	4.3	6.0	7.0	6.0	5.7
FIESTA 4	6.7	5.0	5.3	6.3	6.3	4.3	5.3	6.3	6.0	5.7
BANDALORE (IS-PR 463)	5.7	5.7	5.0	6.0	6.0	5.3	5.0	6.3	6.0	5.7
ASPAIRE (IS-PR 489)	6.3	6.7	6.3	6.3	6.3	4.3	4.7	5.7	6.0	5.7

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT URBANA, IL 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	JUN	QUALITY RATINGS			SEP	OCT	MEAN
PST-2TQL	5.3	6.3	5.3	5.7	6.3	5.0	6.0	5.7	6.0	5.7	5.7
ALLANTE	5.7	6.0	5.3	6.0	6.3	4.3	5.7	6.3	5.3	5.6	5.6
BRIGHTSTAR SLT	6.0	6.0	5.3	6.3	5.3	5.0	6.0	6.0	5.0	5.6	5.6
HAVEN (APR 2038)	6.0	5.7	4.7	6.3	5.3	5.0	6.0	6.0	5.7	5.6	5.6
THRIVE (IS-PR 469)	6.3	5.3	5.3	5.3	6.3	4.0	5.7	6.0	6.3	5.6	5.6
LTP-RAE	5.7	7.0	6.0	6.3	6.3	4.3	5.7	5.3	5.0	5.6	5.6
PSRX-4CAGL	6.7	5.7	5.0	5.7	5.7	4.7	6.3	6.0	6.0	5.6	5.6
PST-2K9	5.7	5.7	4.3	6.0	7.0	5.0	5.7	5.7	5.7	5.6	5.6
PST-2NKM	5.0	4.7	5.7	6.3	5.7	5.3	5.3	6.0	5.0	5.6	5.6
PILLAR (CST)	6.0	6.0	4.0	5.0	6.3	4.7	6.7	6.0	6.0	5.5	5.5
DLF LGD-3022	6.0	7.0	5.3	6.3	7.0	4.7	5.0	4.7	5.7	5.5	5.5
IS-PR 409	6.3	6.0	5.7	5.3	6.0	4.3	5.0	6.0	6.0	5.5	5.5
HANCOCK (IS-PR 479)	6.7	5.3	4.7	5.3	5.7	4.7	6.0	6.3	6.0	5.5	5.5
IS-PR 492	6.0	6.7	5.7	5.7	5.7	4.0	5.7	6.0	6.0	5.5	5.5
FASTBALL RGL (PPG-PR 133)	5.7	6.0	4.7	6.0	6.0	5.0	5.7	5.3	5.7	5.5	5.5
PPG-PR 136	6.3	6.0	4.7	5.7	5.7	5.0	6.7	6.0	5.0	5.5	5.5
SIENNA	5.3	5.0	5.3	6.0	5.3	4.7	5.3	6.0	5.7	5.5	5.5
BAR LP 10972	5.7	5.3	4.3	6.3	5.7	4.7	6.0	5.7	5.3	5.4	5.4
PLAYOFF 2 (P02)	5.3	5.7	5.0	5.7	6.3	4.3	5.0	6.0	5.7	5.4	5.4
PST-204D	5.7	5.0	5.0	6.3	5.7	4.0	5.7	5.7	5.7	5.4	5.4
PST-2DR9	5.7	5.3	4.7	6.0	5.7	4.7	5.3	6.3	5.3	5.4	5.4
GO-PR60	5.7	4.7	4.7	5.7	5.7	4.3	5.3	6.0	5.7	5.3	5.3
PPG-PR 121	5.7	4.7	4.7	6.0	5.7	5.0	5.7	5.0	5.0	5.3	5.3
DLF LGD-3026	6.3	6.0	4.7	5.3	5.7	4.7	5.3	5.3	5.7	5.2	5.2
INSIGHT	5.3	4.3	4.3	6.3	5.7	4.7	5.0	6.0	4.7	5.2	5.2
CS-PR66	6.7	5.3	4.3	5.3	5.7	4.0	5.3	5.7	5.3	5.1	5.1
ISG-36	7.3	6.7	4.3	5.3	5.7	4.0	4.7	5.3	6.3	5.1	5.1
RAD-PR55R	6.0	5.3	4.7	5.7	5.7	4.0	5.0	5.7	5.3	5.1	5.1
GO-G37	8.0	6.3	4.0	5.0	5.7	4.0	6.0	5.0	5.7	5.0	5.0
ISG-30	7.0	6.0	4.0	5.3	5.7	4.0	5.3	5.3	5.3	5.0	5.0
PICK 4DFHM	6.0	5.7	4.3	5.0	5.3	4.0	5.7	5.3	5.3	5.0	5.0
A-35	7.7	5.7	4.0	5.3	5.3	4.0	4.3	5.7	5.7	4.9	4.9
ISG-31	7.3	5.7	4.0	5.0	5.3	4.0	5.0	5.0	5.7	4.9	4.9
MACH I	6.0	4.7	4.0	5.3	5.3	3.7	5.7	4.7	5.3	4.9	4.9
PINNACLE	4.0	5.7	5.0	6.0	5.0	4.0	4.7	4.7	5.0	4.9	4.9
RAD-PR62	5.7	6.0	5.0	5.0	5.0	4.0	5.3	5.0	5.0	4.9	4.9
PROMINENT (CS-20)	8.0	5.7	4.0	5.0	6.0	3.7	4.7	5.0	5.3	4.8	4.8
DLF LGT 4182	7.7	5.7	4.7	5.3	5.3	4.0	5.0	4.3	4.7	4.8	4.8
BAR LP 7608	5.0	4.7	4.3	5.3	4.7	4.0	5.0	4.7	5.0	4.7	4.7
GO-DHS	7.0	5.0	3.7	5.3	4.7	3.7	5.3	4.7	5.3	4.7	4.7
LINN	3.0	5.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0	2.9	2.9
LSD VALUE	0.9	3.6	1.6	1.4	2.0	1.4	1.2	1.7	2.2	0.7	0.7
C.V. (%)	9.0	17.6	16.7	12.8	14.8	15.5	11.5	14.6	14.7	7.8	7.8

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

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

TABLE 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT AMHERST, MA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	WEAR JUNE	TOLERANCE SEPTEMBER	MAR	APR	MAY	QUALITY RATINGS						
									JUN	JUL	AUG	SEP	OCT	NOV	MEAN
GRAND SLAM GLD (PPG-PR 164)	6.3	5.0	6.0	5.7	6.0	5.7	6.7	6.7	6.0	6.3	7.0	7.0	6.3	6.7	6.5
WICKED (SRX-4RHD)	6.0	4.3	6.0	6.3	6.3	5.3	6.7	6.7	6.3	5.7	7.7	7.0	6.7	6.3	6.5
PILLAR (CST)	6.3	5.0	5.7	5.3	6.0	5.7	6.7	6.0	5.7	6.0	6.7	6.7	7.0	6.0	6.3
PPG-PR 121	7.0	5.0	6.7	6.0	6.3	5.0	6.7	6.7	6.3	6.3	6.7	6.3	6.7	5.7	6.3
RINOVO	7.0	4.7	6.0	5.3	6.0	5.3	6.7	6.3	6.3	6.0	7.0	6.3	6.7	6.0	6.3
BANDALORE (IS-PR 463)	6.7	5.3	6.3	5.7	6.3	5.3	6.7	6.0	6.0	5.7	7.0	6.7	6.3	6.0	6.2
IS-PR 492	7.3	5.3	6.0	5.3	6.7	5.7	6.3	6.3	6.0	6.0	7.0	6.7	6.7	5.3	6.2
PPG-PR 138	6.7	4.7	6.3	5.3	6.3	5.0	6.7	6.3	6.3	6.7	6.3	6.7	6.0	5.7	6.2
APPLE SGL (PPG-PR 140)	6.7	4.7	6.3	5.3	5.7	5.3	6.7	6.7	6.7	6.3	6.3	6.0	6.3	5.3	6.2
SIENNA	5.7	5.0	6.0	6.0	6.3	6.0	6.7	7.0	6.0	5.7	6.3	6.3	6.7	5.0	6.2
APR 2036	7.0	5.7	6.3	6.0	6.3	5.7	6.7	6.0	6.0	6.3	6.7	6.0	6.0	5.3	6.1
CL 11601	5.7	5.3	6.7	6.0	5.3	5.7	6.7	6.7	6.0	6.0	6.3	6.0	6.3	5.3	6.1
STAMINA (IS-PR 487)	6.7	5.0	6.7	6.0	6.0	5.0	7.0	6.7	6.0	6.0	6.3	6.3	6.0	5.3	6.1
BANFIELD (IS-PR 491)	6.7	5.3	6.3	6.0	6.0	5.0	7.0	6.7	6.3	5.3	7.0	6.7	5.7	5.7	6.1
LTP-PR 135	6.0	5.7	5.7	5.3	6.3	5.7	6.3	5.7	5.7	5.3	7.0	6.7	6.7	5.7	6.1
RAD-PR55R	8.3	5.3	6.0	5.0	5.7	5.3	6.0	6.0	5.7	6.3	7.0	6.3	6.3	5.7	6.1
SR 4650 (PSRX-3701)	6.7	5.3	6.0	6.3	6.0	5.3	7.0	6.0	6.0	5.7	6.7	6.7	6.3	5.7	6.1
FIESTA 4	7.0	4.7	6.3	5.7	6.0	5.3	6.3	6.0	6.3	5.7	7.0	6.3	5.7	5.3	6.0
IS-PR 409	7.7	5.3	6.3	6.0	6.0	5.3	6.7	6.3	6.0	6.0	6.3	6.3	6.0	5.3	6.0
HANCOCK (IS-PR 479)	7.7	4.7	6.3	6.3	5.7	5.7	6.3	6.0	5.7	5.3	6.7	6.0	6.3	5.7	6.0
OCTANE	6.0	5.0	6.3	5.3	5.3	5.7	6.3	6.0	6.0	6.0	6.7	5.7	6.0	5.3	6.0
PPG-PR 136	7.0	4.3	6.3	5.0	5.7	5.0	6.3	6.0	5.7	6.3	6.3	6.0	6.3	5.7	6.0
PPG-PR 143	6.3	4.3	6.0	4.3	6.0	5.3	6.0	6.0	5.7	5.7	6.7	6.7	6.0	6.0	6.0
PPG-PR 165	6.0	5.0	6.0	5.0	6.0	5.7	6.3	6.3	5.7	5.3	7.0	6.0	6.3	5.0	6.0
PST-2BNS	6.0	5.3	6.3	6.0	6.0	5.7	6.3	6.3	5.7	6.0	6.7	6.3	6.0	4.7	6.0
RIO VISTA	6.7	5.3	6.3	5.0	5.3	5.3	5.7	5.7	5.3	6.3	6.3	6.3	6.7	6.0	6.0
CS-PR66	7.3	4.7	6.0	5.0	6.0	5.3	6.3	6.3	5.7	6.0	6.0	6.0	6.0	5.7	5.9
EVOLUTION (S85)	7.0	5.7	6.0	4.7	6.0	5.3	5.7	5.7	5.3	6.0	6.0	6.7	6.7	6.0	5.9
PIZZAZZ 2 GLR (PR 909)	6.7	4.7	6.0	5.3	5.7	4.7	6.3	6.0	5.7	5.7	6.0	6.7	6.0	5.7	5.9
PPG-PR 142	6.7	4.7	6.0	5.3	5.7	5.0	6.3	6.0	6.0	5.3	6.3	6.0	6.3	5.3	5.9
PRX-4GM1	7.0	5.3	5.7	5.0	6.0	5.7	6.3	5.3	5.7	6.0	6.7	5.7	6.3	5.3	5.9
PSRX-4CAGL	7.3	4.7	5.7	5.3	5.7	5.7	5.7	5.7	5.7	5.7	7.0	5.7	6.0	6.0	5.9
SIDEWAYS (PSRX-S84)	6.3	5.3	6.0	5.3	5.7	5.3	6.3	5.7	5.7	5.3	6.7	5.7	6.3	5.7	5.9
BAR LP 10970	6.7	4.7	6.3	7.0	6.0	5.7	6.3	6.0	5.7	6.0	6.0	6.0	5.7	4.7	5.8
CL 307	7.0	4.3	6.0	5.3	6.0	5.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.8
GO-PR60	8.0	5.7	6.0	5.0	5.3	5.3	6.0	6.3	6.3	5.7	6.3	5.7	5.7	4.7	5.8
PANGEA GLR (CL 11701)	7.0	4.7	5.3	5.0	6.0	4.7	6.0	5.7	5.3	5.3	6.0	6.3	6.7	6.0	5.8
STELLAR 3GL (PPG-PR 134)	6.7	5.0	6.0	4.7	5.0	5.3	6.3	6.0	5.3	6.0	5.7	6.0	6.0	5.7	5.8
SRX-4MSH	6.0	4.7	6.3	5.7	5.3	5.3	6.3	5.7	6.0	5.7	6.0	6.0	6.0	5.0	5.8
UNO	6.3	5.0	6.0	5.7	5.7	5.3	6.0	6.3	5.7	5.3	6.3	6.0	5.7	5.3	5.8
APR 2320	6.3	5.0	6.0	5.3	5.0	5.7	6.0	6.7	5.7	5.7	5.3	6.0	6.0	4.7	5.7
THRIVE (IS-PR 469)	7.0	4.3	6.0	5.7	5.7	5.0	5.3	5.7	5.7	6.0	6.0	6.0	5.7	5.7	5.7
IS-PR 488	6.7	4.0	6.3	5.7	5.7	4.7	6.3	6.0	5.7	5.7	6.3	5.7	5.7	5.0	5.7
ASPAIRE (IS-PR 489)	7.0	4.3	5.3	6.0	5.7	5.0	6.0	5.7	5.3	5.7	6.0	6.3	6.0	5.3	5.7
JR-178	6.3	4.7	6.0	5.0	6.3	5.0	6.0	6.0	5.7	5.7	6.7	6.0	5.7	5.0	5.7
KARMA (PICK 10401)	6.0	4.3	5.7	5.0	5.7	5.0	6.0	6.0	5.7	5.7	5.7	6.0	5.7	5.3	5.7
PPG-PR 128	6.0	4.7	5.7	5.3	6.0	5.3	6.0	5.7	5.3	5.7	5.7	6.3	6.0	5.7	5.7

TABLE 5. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT AMHERST, MA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	WEAR JUNE	TOLERANCE SEPTEMBER	MAR	APR	MAY	JUN	QUALITY JUL	RATINGS AUG	SEP	OCT	NOV	MEAN
FASTBALL RGL (PPG-PR 133)	6.7	5.0	6.0	5.3	5.3	5.0	6.0	6.0	5.7	5.7	6.0	5.7	5.7	5.3	5.7
PREMIUM (PPG-PR 137)	6.7	4.0	6.0	5.0	5.3	5.0	6.0	6.0	6.0	6.0	5.7	5.7	5.7	5.3	5.7
SOX FAN (GM3)	7.0	5.3	6.0	5.0	6.0	5.0	6.7	5.7	6.0	5.3	6.0	5.7	5.7	5.3	5.7
2NJK	5.7	4.7	6.0	5.3	5.3	5.3	6.3	5.7	6.0	6.0	5.7	5.3	5.7	4.3	5.6
APR 2445	7.7	4.7	6.3	6.7	5.0	5.3	6.0	5.7	5.3	5.0	6.0	5.7	6.3	5.0	5.6
BAR LP 7608	5.7	5.0	6.3	5.0	4.7	5.7	6.3	6.0	6.0	5.7	5.0	5.7	5.7	4.7	5.6
DLF LGD-3022	6.3	5.0	6.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.3	5.7	5.7	4.7	5.6
GO-G37	8.0	5.0	5.0	6.0	5.7	5.0	6.0	5.7	5.0	5.3	5.7	6.7	6.0	5.3	5.6
INSIGHT	5.3	4.3	6.7	5.0	5.0	5.3	7.0	5.7	6.0	5.7	5.0	5.3	6.0	4.7	5.6
JR-192	5.7	3.7	5.0	4.7	5.3	4.7	6.0	5.7	5.7	5.7	5.7	6.3	5.7	4.7	5.6
MACH I	8.0	5.0	6.0	6.0	5.7	5.0	6.0	5.7	6.0	6.0	5.7	5.7	5.7	5.0	5.6
MANHATTAN 6 GLR (PST-2MAGS)	7.3	5.3	5.7	5.7	6.0	5.7	6.0	5.7	5.3	5.7	6.0	6.0	5.7	4.7	5.6
PALMER V	6.7	4.7	6.0	6.0	5.3	5.0	5.3	5.7	5.7	6.0	6.3	5.3	5.3	5.3	5.6
PINNACLE	4.7	5.0	6.0	5.7	5.0	5.0	6.3	6.0	5.7	5.7	5.0	5.7	6.0	4.7	5.6
PST-2K9	7.0	4.3	5.7	5.0	5.3	5.0	6.0	5.7	5.3	5.7	5.7	5.7	6.0	5.0	5.6
RAD-PR62	7.0	4.7	5.0	4.7	6.0	5.3	6.0	6.0	5.0	5.0	6.0	6.0	6.0	5.3	5.6
A-35	8.3	5.7	5.0	4.7	5.3	5.7	6.0	5.3	5.0	5.0	5.7	6.0	5.7	5.0	5.5
BRIGHTSTAR SLT	5.7	4.7	5.7	5.3	5.3	5.3	6.0	5.7	5.7	5.3	5.3	5.3	6.0	4.7	5.5
ALLANTE	5.7	4.0	5.7	4.3	5.3	5.0	5.7	5.7	5.3	6.0	5.7	5.7	5.3	4.7	5.4
BAR LP 10969	7.0	5.0	6.0	5.3	4.7	5.3	5.7	5.7	5.7	6.0	5.7	5.0	5.3	4.3	5.4
BONNEVILLE	6.3	5.0	6.3	5.3	5.3	4.7	5.0	5.3	5.3	6.0	6.0	5.3	5.7	5.0	5.4
DOMINATOR (PST-2AG4)	6.3	4.7	5.7	5.7	5.0	5.3	6.0	5.3	5.3	5.7	5.7	5.3	5.3	5.0	5.4
ISG-31	8.0	4.7	5.3	5.3	5.0	4.7	6.0	5.3	5.3	5.3	5.3	5.7	5.7	5.3	5.4
LTP-RAE	6.7	4.7	5.7	5.3	5.7	5.0	5.7	5.3	5.0	5.0	5.7	6.0	5.7	5.3	5.4
PICK 4DFHM	6.7	4.7	5.7	5.0	5.3	5.0	5.7	5.3	5.0	5.3	5.3	6.0	6.3	5.0	5.4
PST-2DR9	6.3	5.0	5.7	5.0	5.3	5.3	5.7	5.7	5.3	5.3	5.7	5.3	5.7	4.3	5.4
PST-2NKM	6.3	4.0	5.3	5.0	5.3	5.0	5.0	5.0	5.3	5.7	5.7	6.0	6.3	4.7	5.4
DLF LGD-3026	7.3	4.7	6.0	6.0	5.3	5.0	5.7	5.0	5.0	5.3	5.7	5.3	5.7	4.7	5.3
ISG-30	8.0	4.7	5.7	5.7	4.7	5.0	5.3	5.3	5.0	5.3	5.3	5.7	5.7	5.3	5.3
PLAYOFF 2 (P02)	6.3	5.0	5.3	5.3	5.0	5.3	5.7	5.7	5.0	5.3	5.3	5.7	5.3	4.3	5.3
PST-204D	5.7	4.3	5.3	5.0	5.3	5.0	6.0	5.3	5.3	5.0	5.7	5.3	5.7	4.3	5.3
PST-2MG7	7.3	4.0	5.0	5.0	5.7	5.0	6.0	5.0	5.0	5.3	5.0	5.3	5.7	5.3	5.3
HAVEN (APR 2038)	6.0	4.7	5.3	5.0	4.7	4.7	5.7	5.7	5.3	5.7	5.7	5.0	5.0	4.3	5.2
BAR LP 10972	6.0	3.3	5.0	4.3	5.0	4.7	5.3	5.0	5.0	5.0	5.7	5.7	5.7	4.3	5.1
PROMINENT (CS-20)	8.0	4.7	5.0	4.7	4.0	5.0	5.3	4.7	4.7	5.0	5.3	5.0	5.7	5.0	5.1
ISG-36	8.0	4.3	5.0	5.0	4.3	5.0	5.3	5.3	4.7	5.0	5.3	5.0	5.3	5.0	5.1
PST-2TQL	6.3	4.0	6.0	5.3	4.7	5.0	5.7	5.3	5.3	5.7	5.0	4.7	5.0	4.0	5.1
PST-2ACR	6.7	4.3	5.0	5.0	4.7	4.3	5.3	5.0	4.7	5.0	5.3	5.3	5.0	4.0	4.9
GO-DHS	8.3	4.7	4.7	5.0	3.7	4.7	4.7	4.7	4.3	4.7	4.3	4.7	5.3	4.3	4.6
DLF LGT 4182	8.0	4.3	4.3	5.0	3.7	4.3	4.3	4.3	4.0	4.7	4.0	4.3	4.3	3.0	4.1
LINN	4.0	4.0	3.3	4.7	3.0	4.0	3.0	3.3	3.3	3.3	3.0	3.0	3.0	2.0	3.1
LSD VALUE	1.0	1.0	1.2	1.2	1.5	1.1	1.2	1.1	1.1	1.3	1.3	1.0	1.5	1.2	0.7
C.V. (%)	9.3	11.3	10.9	11.3	14.1	9.5	11.0	10.6	10.6	10.9	12.0	10.0	12.0	13.4	7.2

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 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GRAY LEAF SPOT	PERCENT POA ANNUA	MAY	JUN	JUL	QUALITY AUG	RATINGS SEP	OCT	NOV	DEC	MEAN
RINOVO	8.3	2.3	7.0	7.0	6.7	5.3	6.7	7.3	7.3	7.3	6.8
SR 4650 (PSRX-3701)	8.3	1.3	6.7	6.7	6.0	5.0	6.0	7.3	6.7	6.7	6.4
CL 11601	8.7	2.3	6.3	5.7	5.7	4.7	6.0	7.7	7.3	7.3	6.3
PIZZAZZ 2 GLR (PR 909)	8.3	5.3	6.7	5.7	6.0	5.0	6.0	7.0	6.7	7.3	6.3
PPG-PR 143	8.0	3.3	6.7	6.7	6.0	4.3	5.3	7.0	7.0	7.3	6.3
KARMA (PICK 10401)	8.7	2.3	6.7	5.7	5.7	4.3	6.0	7.3	6.7	6.7	6.1
PPG-PR 121	8.7	3.0	6.3	6.0	6.0	4.7	5.7	7.3	6.7	6.3	6.1
SIDEWAYS (PSRX-S84)	8.3	3.0	6.3	6.0	5.7	5.0	6.0	6.7	6.7	6.7	6.1
CL 307	8.7	2.3	6.0	5.3	5.7	5.3	6.0	7.0	6.3	6.3	6.0
EVOLUTION (S85)	8.0	6.7	6.3	5.0	5.0	4.3	5.7	7.7	7.0	7.0	6.0
HAVEN (APR 2038)	8.7	2.3	6.0	5.7	5.3	4.3	5.7	7.3	7.0	7.0	6.0
PANGEA GLR (CL 11701)	8.7	7.7	6.3	5.3	5.3	4.3	5.7	7.7	6.7	6.7	6.0
GRAND SLAM GLD (PPG-PR 164)	8.3	2.0	6.3	6.3	6.0	4.3	5.3	6.3	6.7	6.7	6.0
APR 2036	8.7	4.7	6.0	5.7	5.3	4.3	5.3	7.3	6.3	6.7	5.9
PRX-4GM1	8.7	3.7	6.3	6.0	5.3	4.3	5.3	6.7	6.7	6.7	5.9
BONNEVILLE	8.0	3.7	6.3	5.7	5.0	3.7	5.3	6.7	6.7	6.7	5.8
LTP-PR 135	8.7	4.3	6.0	5.3	5.0	4.3	5.3	6.7	6.7	6.7	5.8
PPG-PR 138	8.3	5.0	6.7	5.7	5.3	4.0	5.3	6.7	6.3	6.3	5.8
ASPAIRE (IS-PR 489)	8.7	5.0	6.0	5.3	5.3	4.0	5.3	6.7	6.3	6.3	5.7
APPLE SGL (PPG-PR 140)	8.7	4.0	6.0	5.7	5.0	4.3	5.7	6.7	6.3	6.0	5.7
PPG-PR 165	8.7	2.7	5.7	5.7	5.3	4.3	5.7	6.7	6.0	6.3	5.7
PPG-PR 136	8.3	6.3	6.0	5.0	4.7	4.0	5.3	7.3	6.3	6.3	5.6
STAMINA (IS-PR 487)	7.3	2.3	6.7	6.3	5.0	4.3	4.7	4.7	5.7	6.3	5.5
MANHATTAN 6 GLR (PST-2MAGS)	8.0	5.7	6.0	4.7	5.0	4.0	5.0	6.3	6.3	6.7	5.5
STELLAR 3GL (PPG-PR 134)	8.3	5.7	6.0	5.0	5.3	3.7	5.0	6.3	6.3	6.3	5.5
PREMIUM (PPG-PR 137)	8.7	4.3	6.0	5.3	4.7	3.7	5.0	6.7	6.3	6.7	5.5
PPG-PR 142	8.7	2.7	5.3	5.3	5.3	4.3	5.3	6.3	6.0	6.3	5.5
PSRX-4CAGL	7.7	8.0	6.0	5.3	5.0	3.7	5.0	6.3	6.3	6.7	5.5
IS-PR 488	8.0	6.0	6.0	5.0	5.0	4.0	4.7	5.7	6.0	6.7	5.4
FASTBALL RGL (PPG-PR 133)	8.0	6.0	5.7	5.0	4.7	4.0	4.7	6.3	6.0	6.7	5.4
RIO VISTA	7.7	5.0	6.0	5.3	5.0	4.0	4.3	5.7	6.0	6.7	5.4
UNO	6.0	4.7	5.7	5.7	5.3	5.0	4.7	5.7	5.3	5.7	5.4
FIESTA 4	8.0	8.7	5.7	5.0	5.0	4.3	4.7	5.7	6.0	6.3	5.3
IS-PR 409	8.0	8.7	5.3	4.7	5.0	4.0	5.0	6.0	5.7	6.3	5.3
BANDALORE (IS-PR 463)	8.0	8.0	5.7	5.0	5.0	4.0	4.7	6.3	6.0	6.0	5.3
BANFIELD (IS-PR 491)	8.0	7.7	6.0	5.3	5.3	4.0	5.0	5.7	5.7	5.7	5.3
IS-PR 492	7.7	6.3	5.7	5.0	5.0	4.0	4.7	5.7	6.0	6.0	5.3
JR-178	8.0	3.7	5.3	5.7	5.3	3.7	5.0	5.7	5.7	5.7	5.3
PST-2BNS	7.3	5.0	6.0	5.0	5.0	3.7	4.7	6.0	6.0	6.3	5.3
SRX-4MSH	8.0	6.0	5.7	5.3	5.3	4.3	4.7	5.3	5.7	6.0	5.3
DLF LGD-3022	8.0	8.0	5.0	4.7	4.7	4.3	5.0	5.7	6.0	6.3	5.2
THRIVE (IS-PR 469)	8.0	10.0	5.7	4.7	4.7	4.0	4.7	5.7	5.7	6.7	5.2
OCTANE	7.3	7.0	6.0	5.0	5.0	4.0	4.3	5.0	5.3	6.7	5.2
PPG-PR 128	8.0	6.0	5.3	4.7	4.7	4.0	5.0	6.0	6.0	6.0	5.2
WICKED (SRX-4RHD)	8.0	8.7	5.7	4.3	4.7	3.7	4.3	6.3	6.0	6.7	5.2
APR 2445	8.0	16.3	5.7	4.7	4.7	4.0	4.7	5.7	5.3	6.0	5.1
CS-PR66	8.3	10.3	4.7	4.7	5.0	4.3	4.3	6.0	5.7	6.0	5.1

TABLE 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
 2012 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GRAY LEAF SPOT	PERCENT POA ANNUA	MAY	JUN	JUL	QUALITY RATINGS					MEAN
						AUG	SEP	OCT	NOV	DEC	
PST-2K9	8.0	6.7	5.7	5.0	5.0	3.7	4.7	5.3	5.7	6.0	5.1
SOX FAN (GM3)	8.0	6.3	6.0	5.0	5.0	3.7	4.7	5.3	5.7	5.7	5.1
DLF LGD-3026	8.0	15.7	5.0	4.3	4.7	3.7	5.0	6.0	5.7	6.0	5.0
2NJK	6.7	6.0	5.3	4.7	5.0	4.7	4.3	4.7	4.7	5.7	4.9
PALMER V	7.3	8.0	5.7	5.0	5.0	3.7	4.0	5.0	5.0	5.7	4.9
BAR LP 10970	7.7	9.3	5.0	5.0	5.0	4.3	4.7	4.7	4.7	5.0	4.8
PILLAR (CST)	8.0	5.0	4.7	5.0	4.7	4.0	4.3	5.3	5.3	5.3	4.8
LTP-RAE	7.0	4.7	6.0	5.7	4.7	3.0	4.0	4.7	5.0	5.3	4.8
PICK 4DFHM	7.0	8.7	5.3	4.7	5.0	4.0	4.3	4.7	5.0	5.7	4.8
PST-2NKM	7.7	11.3	5.3	4.7	4.3	4.0	4.7	4.7	5.0	5.7	4.8
PLAYOFF 2 (P02)	6.7	8.3	5.0	4.7	4.7	4.0	4.3	4.3	4.7	5.0	4.6
PST-2MG7	7.3	6.0	5.3	4.7	4.3	4.0	4.0	4.3	5.0	5.0	4.6
DOMINATOR (PST-2AG4)	8.0	9.0	5.0	4.3	4.3	3.7	4.3	5.0	4.7	5.0	4.5
JR-192	5.3	3.0	5.0	5.3	5.0	4.7	3.7	3.7	4.0	4.3	4.5
ALLANTE	5.3	3.3	5.3	5.7	5.0	4.0	4.0	3.3	4.0	4.0	4.4
PST-2ACR	5.3	8.3	5.7	5.3	5.0	4.0	3.0	3.3	3.7	5.0	4.4
PST-2DR9	6.0	9.3	5.0	4.3	4.3	3.7	3.7	4.3	4.3	5.0	4.3
RAD-PR55R	7.3	13.0	4.7	4.3	4.7	3.3	4.0	4.3	4.3	4.3	4.3
ISG-31	6.3	10.3	5.0	4.7	4.7	4.0	3.7	3.7	3.7	4.0	4.2
PST-204D	6.7	8.3	5.0	4.7	4.7	3.7	3.7	4.0	4.0	4.0	4.2
PST-2TQL	6.0	8.0	5.0	4.7	4.3	3.7	3.7	3.7	4.3	4.3	4.2
A-35	6.0	17.7	4.7	4.0	4.0	4.0	3.7	3.7	3.7	4.0	4.0
BAR LP 10972	4.0	5.3	5.0	5.0	4.7	4.3	3.0	2.7	3.0	4.0	4.0
HANCOCK (IS-PR 479)	6.7	17.7	4.7	4.0	4.3	4.3	3.7	3.3	3.7	3.7	4.0
ISG-36	6.3	21.0	4.7	3.7	4.0	3.7	3.7	4.0	4.0	4.7	4.0
RAD-PR62	5.7	10.3	5.0	4.3	4.3	4.0	3.3	3.3	3.7	4.3	4.0
GO-PR60	4.7	7.3	5.0	4.7	4.3	3.7	3.0	3.0	3.3	4.0	3.9
ISG-30	6.7	20.7	4.7	4.0	4.0	3.7	3.3	3.7	4.0	4.0	3.9
BRIGHTSTAR SLT	4.7	8.3	5.0	4.7	4.3	4.0	2.7	3.0	3.3	3.7	3.8
PROMINENT (CS-20)	5.7	17.7	4.7	4.3	3.7	3.7	3.3	3.3	3.3	3.7	3.8
GO-G37	6.0	18.3	5.0	4.0	4.3	3.7	3.3	3.3	3.3	3.7	3.8
DLF LGT 4182	6.3	17.0	4.0	3.3	3.7	3.7	3.3	3.3	4.0	4.0	3.7
INSIGHT	4.3	3.7	5.0	5.7	4.7	3.3	3.0	2.7	2.7	2.7	3.7
MACH I	4.0	11.7	4.7	4.0	4.3	4.3	3.0	2.3	2.7	3.3	3.6
PINNACLE	6.3	7.3	4.7	4.0	3.7	2.7	3.0	3.3	3.7	3.7	3.6
BAR LP 10969	4.0	9.0	5.0	4.7	4.3	4.0	2.7	2.0	2.7	2.7	3.5
SIENNA	3.7	4.7	5.3	5.7	4.7	3.7	2.7	2.3	2.0	2.0	3.5
BAR LP 7608	3.7	11.3	4.7	4.3	4.0	3.3	2.7	2.3	2.3	2.3	3.3
APR 2320	4.0	20.3	4.0	4.3	3.7	2.7	2.0	2.3	2.3	2.7	3.0
GO-DHS	4.3	21.0	4.0	3.3	3.0	3.0	2.7	2.3	2.7	2.7	3.0
LINN	3.0	48.3	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.1
LSD VALUE	2.0	8.3	0.9	1.0	0.9	1.3	1.2	1.8	1.3	1.3	0.9
C.V. (%)	17.3	63.2	10.7	12.7	11.4	16.2	17.4	22.1	17.0	15.5	11.5

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 7. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT EAST LANSING, MI 1/
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SIENNA	6.7	8.0	8.3	8.3	8.7	7.3	6.7	7.7
INSIGHT	7.0	8.0	8.0	8.0	8.0	7.0	7.0	7.6
GRAND SLAM GLD (PPG-PR 164)	6.3	7.3	8.0	8.0	8.3	7.7	7.3	7.6
PANGEA GLR (CL 11701)	6.3	7.7	7.7	7.3	8.3	8.0	7.0	7.5
RAD-PR55R	6.0	7.7	7.7	8.3	8.0	8.0	7.0	7.5
ALLANTE	6.3	8.0	7.7	7.7	8.3	7.3	6.7	7.4
IS-PR 409	6.3	7.3	7.7	8.0	7.7	7.3	7.3	7.4
JR-178	6.0	7.3	8.0	8.0	8.0	7.3	7.0	7.4
PIZZAZZ 2 GLR (PR 909)	6.3	7.3	8.0	8.0	8.0	7.3	7.0	7.4
SR 4650 (PSRX-3701)	6.3	7.0	8.0	8.3	8.0	7.3	7.0	7.4
DLF LGD-3022	6.0	7.0	7.7	8.0	8.0	7.7	7.0	7.3
EVOLUTION (S85)	6.7	7.3	7.3	8.0	8.0	7.7	6.3	7.3
FIESTA 4	6.0	7.0	8.3	7.7	8.0	7.7	6.7	7.3
HANCOCK (IS-PR 479)	6.0	7.3	8.0	8.0	8.0	7.0	7.0	7.3
BANFIELD (IS-PR 491)	6.0	7.0	7.7	8.0	8.0	7.7	7.0	7.3
KARMA (PICK 10401)	6.3	7.3	7.3	7.7	8.0	7.3	7.3	7.3
PPG-PR 136	6.7	7.0	7.7	8.0	7.7	7.3	6.7	7.3
RIO VISTA	6.7	7.3	7.7	8.0	7.7	7.0	7.0	7.3
SRX-4MSH	6.3	6.7	7.7	8.0	8.0	7.3	7.0	7.3
WICKED (SRX-4RHD)	6.0	7.0	8.0	8.3	7.7	7.3	7.0	7.3
BAR LP 10969	6.0	7.0	7.3	7.7	8.0	7.7	6.7	7.2
DOMINATOR (PST-2AG4)	6.3	6.7	7.7	8.0	7.7	7.3	7.0	7.2
STAMINA (IS-PR 487)	7.0	7.0	7.0	7.7	8.0	7.0	6.7	7.2
LTP-RAE	6.0	7.3	7.7	7.7	8.0	7.0	6.7	7.2
PREMIUM (PPG-PR 137)	6.3	6.7	7.7	7.7	7.7	7.3	7.0	7.2
PPG-PR 143	6.3	6.7	7.7	8.0	7.7	7.0	7.0	7.2
PST-2TQL	6.0	7.0	7.7	7.7	8.0	7.7	6.7	7.2
SOX FAN (GM3)	6.0	6.3	7.7	8.0	8.0	7.7	6.7	7.2
APR 2036	5.7	7.3	7.3	8.0	8.0	7.3	6.3	7.1
BAR LP 10970	5.7	7.0	7.3	8.0	7.7	7.7	6.7	7.1
BONNEVILLE	6.0	6.7	7.7	7.7	7.3	7.3	7.0	7.1
CS-PR66	5.7	7.0	7.3	8.0	7.7	7.3	7.0	7.1
JR-192	5.3	6.7	7.7	7.7	8.0	7.3	7.0	7.1
OCTANE	6.0	6.7	7.3	8.0	8.0	7.3	6.7	7.1
PPG-PR 138	5.7	6.7	7.7	7.7	8.0	7.3	7.0	7.1
APPLE SGL (PPG-PR 140)	6.0	7.0	7.7	7.7	7.7	7.3	6.7	7.1
PSRX-4CAGL	6.0	7.0	7.7	7.7	8.0	7.0	6.3	7.1
SIDEWAYS (PSRX-S84)	6.3	7.0	7.7	7.7	7.3	7.3	6.7	7.1
UNO	6.0	7.0	7.3	7.7	7.7	7.3	7.0	7.1
2NJK	6.0	6.7	7.0	7.7	7.7	7.3	7.0	7.0
APR 2320	5.7	6.7	7.3	7.7	7.7	7.3	7.0	7.0
CL 11601	6.0	6.7	7.3	8.0	7.0	7.3	6.3	7.0
CL 307	5.7	7.3	7.3	7.7	7.3	7.3	6.7	7.0
PILLAR (CST)	6.0	7.0	7.0	7.7	7.7	7.3	6.7	7.0
GO-PR60	5.7	6.7	7.7	7.7	7.3	7.3	6.3	7.0
HAVEN (APR 2038)	6.3	6.7	7.7	7.3	7.0	7.0	6.7	7.0
THRIVE (IS-PR 469)	5.7	7.0	7.3	8.0	7.7	7.0	6.7	7.0

TABLE 7. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT EAST LANSING, MI 1/
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
IS-PR 488	6.3	6.7	7.3	7.7	7.7	7.0	6.7	7.0
IS-PR 492	5.7	7.0	7.3	7.7	7.7	7.0	7.0	7.0
LTP-PR 135	5.7	7.0	8.0	7.7	7.7	7.0	6.3	7.0
PALMER V	6.0	7.0	7.7	7.7	7.3	7.0	6.7	7.0
PPG-PR 128	6.0	6.7	7.3	8.0	7.7	7.3	6.3	7.0
PPG-PR 165	6.7	7.0	7.0	7.7	7.7	7.0	6.3	7.0
PST-2BNS	5.7	7.3	7.0	7.7	7.7	7.3	6.3	7.0
PST-2NKM	6.3	6.7	7.0	7.7	7.7	7.3	6.7	7.0
RINOVO	5.7	7.3	7.7	7.7	7.3	7.3	6.3	7.0
BRIGHTSTAR SLT	5.3	6.7	7.0	7.0	7.7	7.3	7.0	6.9
MACH I	5.0	7.0	8.0	7.7	7.3	7.0	6.3	6.9
MANHATTAN 6 GLR (PST-2MAGS)	5.3	6.7	7.3	7.7	7.7	6.7	6.7	6.9
PPG-PR 121	5.7	7.0	7.3	7.3	7.3	7.0	6.3	6.9
FASTBALL RGL (PPG-PR 133)	6.0	6.7	7.3	7.7	8.0	7.0	5.7	6.9
STELLAR 3GL (PPG-PR 134)	6.0	6.3	7.3	7.7	7.7	7.0	6.3	6.9
PPG-PR 142	6.0	6.7	7.3	7.3	7.3	7.0	6.3	6.9
PST-2ACR	6.3	6.3	7.0	7.0	7.3	7.3	6.7	6.9
PST-2K9	5.3	7.0	7.3	7.7	7.3	7.0	6.3	6.9
A-35	5.3	6.3	7.0	7.3	7.7	7.3	6.3	6.8
APR 2445	5.3	6.7	7.3	7.3	7.3	7.3	6.3	6.8
BAR LP 7608	5.3	7.0	7.3	6.7	7.3	7.0	6.7	6.8
BANDALORE (IS-PR 463)	6.0	6.3	7.3	7.3	7.3	6.7	6.7	6.8
ISG-30	5.7	7.0	7.3	7.0	7.0	7.0	6.7	6.8
PRX-4GM1	5.7	6.3	7.3	8.0	7.7	6.7	6.0	6.8
RAD-PR62	5.7	6.3	7.3	7.3	7.0	7.0	7.0	6.8
DLF LGD-3026	6.0	6.7	6.7	7.3	7.3	7.0	6.0	6.7
ASPAIRE (IS-PR 489)	6.0	6.7	6.3	7.3	7.0	7.0	6.7	6.7
ISG-36	5.7	7.3	7.0	6.7	7.0	7.0	6.3	6.7
PLAYOFF 2 (P02)	5.7	6.7	7.0	7.7	7.0	7.0	5.7	6.7
PST-204D	6.0	6.3	7.3	6.7	7.3	6.7	6.7	6.7
BAR LP 10972	5.3	6.3	6.7	7.3	7.0	7.0	6.3	6.6
PROMINENT (CS-20)	5.3	6.3	7.0	7.0	7.0	7.0	6.7	6.6
PICK 4DFHM	5.3	6.3	7.3	7.0	6.7	7.0	6.3	6.6
ISG-31	5.0	6.3	7.0	7.0	7.0	7.0	6.3	6.5
PST-2DR9	5.0	6.0	6.7	7.3	7.3	7.0	6.3	6.5
PST-2MG7	5.3	6.0	7.0	7.0	7.3	6.7	6.3	6.5
GO-G37	5.0	6.0	7.0	6.0	6.3	7.0	6.0	6.2
DLF LGT 4182	5.3	6.0	6.3	6.3	6.0	6.7	6.3	6.1
GO-DHS	4.7	5.3	6.0	6.0	6.3	6.0	5.3	5.7
PINNACLE	5.7	5.0	5.7	5.7	6.3	6.0	5.7	5.7
LINN	2.0	1.0	1.0	1.0	1.7	2.0	2.0	1.5
LSD VALUE	1.1	0.9	0.8	0.8	0.8	0.7	0.9	0.5
C.V. (%)	10.4	8.5	7.5	7.1	6.6	6.6	8.5	5.0

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 8. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT ST. PAUL, MN 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
EVOLUTION (S85)	6.7	5.7	6.7	6.0	6.0	6.3	6.7	6.7	6.3
RIO VISTA	5.7	5.7	6.7	6.0	6.0	7.0	6.0	6.0	6.2
KARMA (PICK 10401)	5.3	5.3	6.7	6.3	6.3	6.7	6.0	5.3	6.1
CL 307	6.0	5.3	6.3	6.0	6.0	6.0	6.3	6.3	6.0
PPG-PR 165	5.7	5.3	5.7	6.3	5.7	6.3	6.3	5.3	5.9
PREMIUM (PPG-PR 137)	6.3	5.3	6.0	6.0	6.3	6.3	5.0	5.7	5.8
APPLE SGL (PPG-PR 140)	5.7	5.7	6.3	6.0	6.0	5.3	5.7	5.3	5.8
SIDEWAYS (PSRX-S84)	5.7	4.7	5.3	5.7	5.3	7.0	6.3	6.0	5.8
PPG-PR 121	5.0	5.3	6.0	5.3	5.7	6.3	5.7	5.3	5.7
PPG-PR 138	6.0	5.7	6.3	6.0	5.0	6.0	6.0	5.0	5.7
PST-2BNS	5.0	5.0	6.3	6.3	6.7	5.7	5.3	4.7	5.7
WICKED (SRX-4RHD)	4.7	5.3	5.3	6.3	6.0	6.3	5.0	5.3	5.7
BANDALORE (IS-PR 463)	5.7	4.7	6.3	5.3	5.0	6.0	5.7	6.0	5.6
PIZZAZZ 2 GLR (PR 909)	6.0	4.7	5.7	5.7	6.0	5.7	6.0	5.7	5.6
PPG-PR 128	4.7	5.3	6.0	5.3	5.7	6.0	5.7	5.3	5.6
SR 4650 (PSRX-3701)	6.3	6.0	6.0	5.3	5.0	5.7	5.7	5.7	5.6
APR 2036	5.7	5.7	6.7	6.3	5.0	5.0	5.0	5.0	5.5
APR 2320	6.0	4.7	6.7	6.3	6.0	5.0	4.7	5.0	5.5
CL 11601	5.0	5.3	5.7	4.7	5.0	5.7	6.0	6.0	5.5
IS-PR 409	6.0	5.0	6.3	6.0	5.3	5.3	5.0	5.7	5.5
STAMINA (IS-PR 487)	4.3	5.0	5.3	5.3	6.3	6.0	6.0	4.3	5.5
PPG-PR 136	6.3	5.7	6.3	5.7	5.0	5.7	5.0	5.3	5.5
PPG-PR 142	5.3	5.0	6.0	6.0	5.7	5.7	5.0	5.3	5.5
PPG-PR 143	5.7	5.0	6.0	5.7	5.7	5.7	5.3	5.3	5.5
SIENNA	5.0	4.7	5.3	6.3	5.0	6.0	5.3	5.7	5.5
2NJK	5.3	5.3	6.0	5.0	5.3	5.3	5.3	5.3	5.4
JR-178	5.3	5.0	6.7	5.3	5.0	5.7	5.3	5.0	5.4
LTP-PR 135	5.3	4.7	5.3	5.3	5.7	6.0	5.7	5.3	5.4
FASTBALL RGL (PPG-PR 133)	5.0	4.3	5.3	5.7	6.3	5.3	5.7	5.3	5.4
BONNEVILLE	4.3	4.7	5.3	5.0	5.3	5.3	6.0	5.3	5.3
PILLAR (CST)	5.7	4.7	5.7	5.0	5.7	5.3	5.7	5.0	5.3
BANFIELD (IS-PR 491)	6.7	4.7	6.0	6.7	5.3	5.0	4.7	4.7	5.3
JR-192	6.3	5.3	7.0	6.7	3.7	4.7	4.7	5.3	5.3
PANGEA GLR (CL 11701)	6.7	5.0	5.7	6.0	5.0	5.0	5.3	5.0	5.3
DLF LGD-3022	5.3	4.3	5.0	4.7	5.3	6.0	5.3	6.0	5.2
ASPAIRE (IS-PR 489)	4.3	5.0	5.7	5.0	5.3	5.3	4.7	5.3	5.2
OCTANE	5.7	4.7	5.7	5.7	5.0	5.3	5.3	4.7	5.2
RINOVO	6.3	4.7	6.3	6.0	4.7	5.0	5.0	4.7	5.2
SOX FAN (GM3)	5.3	5.0	6.3	5.7	5.0	5.3	4.7	4.3	5.2
CS-PR66	6.7	5.3	5.7	6.0	4.3	5.3	4.7	4.7	5.1
FIESTA 4	6.3	5.3	6.0	5.7	5.0	4.7	4.3	5.0	5.1
GO-PR60	6.0	5.7	6.7	6.0	4.0	4.7	4.3	4.7	5.1
PST-2ACR	5.7	5.3	5.3	5.0	5.0	5.0	5.3	5.0	5.1
PST-2NKM	5.0	5.0	6.0	5.3	5.0	4.7	5.0	4.7	5.1
APR 2445	5.7	4.7	5.7	5.0	5.3	4.7	4.7	5.0	5.0
HANCOCK (IS-PR 479)	7.0	5.0	6.0	6.0	4.3	4.3	4.7	5.0	5.0
LTP-RAE	6.7	4.3	5.0	5.0	5.0	5.3	5.3	4.7	5.0

TABLE 8. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT ST. PAUL, MN 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	QUALITY RATINGS							MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	
PALMER V	6.3	5.0	6.3	5.3	4.7	4.7	4.0	4.7	5.0
GRAND SLAM GLD (PPG-PR 164)	5.7	4.7	5.0	5.0	5.0	5.3	5.3	4.7	5.0
UNO	5.7	4.7	5.7	5.3	4.7	5.0	5.3	4.3	5.0
BAR LP 10969	4.7	4.7	5.7	5.7	4.3	4.7	4.3	5.0	4.9
DOMINATOR (PST-2AG4)	5.3	4.7	5.3	5.7	4.7	4.7	4.7	4.7	4.9
IS-PR 488	5.7	4.7	5.0	4.7	5.0	5.3	5.3	4.3	4.9
IS-PR 492	5.3	4.0	4.3	5.0	4.7	5.0	5.7	5.7	4.9
MACH I	5.7	4.7	5.0	6.0	4.3	4.3	5.0	5.0	4.9
STELLAR 3GL (PPG-PR 134)	4.7	4.3	5.0	5.3	5.3	5.0	5.0	4.3	4.9
PRX-4GM1	5.7	4.7	5.7	5.3	5.0	5.0	4.3	4.3	4.9
PST-204D	4.7	4.3	5.7	5.7	4.7	4.7	4.3	4.7	4.9
PST-2DR9	5.0	5.0	5.3	4.7	5.0	5.0	4.3	4.7	4.9
PST-2K9	5.0	4.7	5.7	5.3	4.3	5.3	4.7	4.3	4.9
PST-2TQL	4.3	4.7	5.3	5.7	4.3	4.7	5.0	4.3	4.9
BAR LP 10970	4.3	4.7	5.7	5.0	4.0	4.3	4.7	5.0	4.8
BAR LP 10972	5.0	5.0	5.7	5.3	4.7	4.7	4.0	4.0	4.8
INSIGHT	4.3	4.3	5.7	5.3	4.7	4.7	4.0	4.7	4.8
ALLANTE	5.3	4.3	4.7	5.7	4.3	4.3	4.7	4.7	4.7
ISG-30	7.7	5.0	6.0	5.7	3.0	4.0	4.3	4.7	4.7
RAD-PR62	6.3	4.3	5.3	5.3	4.0	4.7	4.7	4.7	4.7
SRX-4MSH	4.3	4.7	4.7	5.3	5.0	4.3	4.3	4.3	4.7
GO-G37	7.3	5.0	5.3	5.0	3.3	4.3	4.0	5.0	4.6
THRIVE (IS-PR 469)	6.0	4.3	5.3	4.7	4.7	4.7	4.0	4.7	4.6
ISG-36	8.3	4.7	5.3	5.3	3.7	4.3	4.0	4.7	4.6
PLAYOFF 2 (P02)	5.3	4.3	5.0	4.7	4.7	4.0	4.3	4.3	4.5
PSRX-4CAGL	6.3	4.7	5.7	5.0	3.0	4.3	4.0	4.7	4.5
PST-2MG7	6.0	4.0	4.7	5.0	4.3	4.7	4.7	4.3	4.5
ISG-31	6.0	4.7	5.0	5.0	3.7	4.0	4.0	4.7	4.4
RAD-PR55R	6.7	4.7	5.3	5.3	3.3	3.7	3.3	4.3	4.3
A-35	8.7	4.7	4.7	4.7	3.0	3.7	4.0	4.0	4.1
BRIGHTSTAR SLT	4.3	4.7	5.7	4.7	2.7	3.3	2.7	4.0	4.0
MANHATTAN 6 GLR (PST-2MAGS)	6.0	3.7	4.0	4.7	3.7	3.3	4.3	4.3	4.0
DLF LGT 4182	7.0	4.3	5.0	4.7	3.3	3.3	3.0	3.3	3.9
HAVEN (APR 2038)	4.0	3.3	4.7	4.3	3.7	3.3	4.0	3.7	3.9
PICK 4DFHM	5.0	4.0	4.3	4.7	3.3	3.7	3.7	3.7	3.9
DLF LGD-3026	6.0	3.7	5.3	4.7	3.0	3.3	3.3	3.3	3.8
BAR LP 7608	3.7	3.7	4.7	4.3	3.7	3.0	3.0	3.3	3.7
PROMINENT (CS-20)	7.0	3.7	3.3	3.7	2.3	2.7	3.0	3.3	3.1
GO-DHS	8.0	3.7	3.3	4.0	2.3	2.7	3.0	3.0	3.1
PINNACLE	2.0	2.7	3.3	3.7	3.0	3.0	2.3	2.3	2.9
LINN	1.0	1.0	1.0	1.0	1.7	1.7	1.0	1.0	1.2
LSD VALUE	1.1	1.4	1.4	1.1	1.0	1.2	1.1	1.1	0.8
C.V. (%)	12.9	16.1	15.0	12.6	13.4	15.4	15.3	14.3	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 9.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	LEAF TEXTURE	PERCENT COVER SPRING	PERCENT COVER FALL	MAR	APR	MAY	QUALITY RATINGS					SEP	OCT	MEAN
EVOLUTION (S85)	7.3	6.0	80.0	68.3	7.7	7.7	7.3	6.3	3.3	3.7	7.7	7.7	6.4		
GO-PR60	7.3	6.0	80.0	80.0	8.0	7.0	7.0	5.3	4.0	3.7	8.0	8.3	6.4		
THRIVE (IS-PR 469)	7.7	6.0	83.3	83.3	7.3	7.3	6.7	6.7	4.0	4.0	7.3	7.7	6.4		
PANGEA GLR (CL 11701)	7.3	6.0	73.3	81.7	7.3	7.3	6.7	6.0	4.0	4.3	7.0	8.0	6.3		
FASTBALL RGL (PPG-PR 133)	6.3	6.3	78.3	75.0	7.0	7.3	7.0	6.0	4.0	3.7	6.7	7.7	6.2		
BAR LP 10972	7.3	6.0	83.3	86.7	8.3	6.3	6.3	5.7	3.7	4.0	7.0	7.3	6.1		
PALMER V	7.7	6.0	73.3	81.7	7.7	7.3	6.7	5.0	3.7	3.7	6.7	8.0	6.1		
RAD-PR55R	7.7	6.0	78.3	81.7	7.3	7.3	6.7	5.7	3.7	3.3	7.3	7.7	6.1		
UNO	6.3	5.3	88.3	81.7	6.7	7.0	7.0	5.7	4.3	4.3	6.3	7.3	6.1		
APR 2036	8.0	6.0	70.0	55.0	7.7	6.3	6.3	6.3	3.3	3.7	6.7	8.0	6.0		
CL 307	6.3	6.0	78.3	80.0	7.7	6.3	6.7	6.7	3.0	3.0	7.3	7.3	6.0		
IS-PR 409	7.7	6.0	75.0	50.0	7.7	6.7	6.7	6.7	3.0	2.7	7.0	7.7	6.0		
BANDALORE (IS-PR 463)	6.7	6.3	81.7	78.3	7.0	7.0	7.0	6.3	3.7	3.3	7.0	7.0	6.0		
ISG-31	7.7	6.3	85.0	75.0	7.7	6.3	6.0	4.7	4.0	4.0	7.0	8.0	6.0		
PIZZAZZ 2 GLR (PR 909)	7.0	6.0	56.7	68.3	7.0	7.0	6.7	5.3	3.7	3.3	7.0	8.0	6.0		
PPG-PR 138	6.7	6.3	68.3	65.0	7.3	6.3	6.3	5.7	4.0	4.0	6.7	8.0	6.0		
GRAND SLAM GLD (PPG-PR 164)	7.0	6.0	55.0	71.7	7.7	6.7	6.3	5.0	4.7	4.7	5.7	7.0	6.0		
PSRX-4CAGL	6.7	6.3	60.0	63.3	7.3	7.3	6.7	5.0	4.0	4.0	6.7	7.0	6.0		
PST-2K9	7.3	6.0	88.3	81.7	7.3	6.3	6.3	5.3	3.7	3.7	7.3	7.7	6.0		
PST-2NKM	7.0	6.3	83.3	75.0	7.0	6.3	6.7	6.0	3.7	3.7	6.7	7.7	6.0		
RAD-PR62	7.3	6.3	80.0	83.3	7.3	6.7	6.3	5.7	3.0	3.3	7.7	8.0	6.0		
SR 4650 (PSRX-3701)	6.7	6.3	73.3	61.7	8.0	6.0	6.0	5.3	3.7	3.0	7.7	8.0	6.0		
ALLANTE	6.7	6.0	55.0	65.0	7.0	6.7	6.3	6.0	3.7	4.0	6.0	7.3	5.9		
APR 2320	6.3	6.0	71.7	68.3	6.7	7.0	6.7	6.3	3.0	3.0	7.0	7.7	5.9		
CL 11601	6.7	6.0	66.7	76.7	7.3	6.3	7.0	5.3	3.3	3.3	7.0	7.3	5.9		
FIESTA 4	7.0	6.0	80.0	81.7	7.0	7.0	7.0	5.7	3.3	3.3	6.7	7.0	5.9		
GO-DHS	8.0	5.7	85.0	86.7	7.3	7.0	6.7	4.7	3.7	4.0	6.7	7.0	5.9		
MANHATTAN 6 GLR (PST-2MAGS)	7.0	6.0	71.7	75.0	7.3	6.7	6.7	5.7	3.7	3.3	6.3	7.3	5.9		
OCTANE	7.7	5.3	78.3	58.3	7.3	6.7	6.3	6.0	3.3	3.7	6.3	7.7	5.9		
PST-2BNS	6.3	6.0	78.3	78.3	6.3	7.0	6.7	6.0	3.7	3.3	7.0	7.3	5.9		
A-35	8.7	6.0	80.0	86.7	7.7	6.7	6.0	4.3	3.0	2.7	8.3	7.7	5.8		
APR 2445	6.3	6.0	81.7	68.3	7.0	6.0	6.0	5.3	3.7	3.3	6.7	8.0	5.8		
BONNEVILLE	7.3	6.0	75.0	80.0	7.0	6.3	6.3	6.0	3.7	3.7	6.3	7.3	5.8		
CS-PR66	7.7	6.3	90.0	85.0	7.0	7.3	6.3	5.0	3.0	3.0	7.7	7.3	5.8		
HANCOCK (IS-PR 479)	7.7	6.0	65.0	60.0	7.0	7.3	6.7	5.3	2.3	2.3	8.0	7.3	5.8		
IS-PR 492	7.0	6.3	76.7	73.3	7.0	7.3	6.3	6.0	3.7	3.7	6.0	6.7	5.8		
PICK 4DFHM	6.7	6.3	90.0	86.7	7.0	6.7	6.3	5.7	3.3	3.0	7.0	7.7	5.8		
STELLAR 3GL (PPG-PR 134)	6.0	6.0	83.0	80.0	6.0	6.3	6.0	5.7	4.3	4.3	6.3	7.7	5.8		
RINOVO	7.3	6.0	70.0	75.0	6.3	6.7	6.3	5.3	3.3	3.7	7.3	7.7	5.8		
SOX FAN (GM3)	6.7	6.0	73.3	75.0	7.7	7.0	6.3	4.7	3.3	3.0	7.3	7.0	5.8		
WICKED (SRX-4RHD)	6.3	6.3	83.3	81.7	7.0	6.0	6.3	5.3	3.7	3.7	7.0	7.7	5.8		
BAR LP 10969	7.0	6.0	80.0	71.7	7.0	6.3	6.0	5.0	3.0	3.3	7.3	7.3	5.7		
DOMINATOR (PST-2AG4)	7.7	6.3	78.3	73.3	7.7	6.3	6.0	5.3	3.0	3.0	6.7	7.7	5.7		
GO-G37	7.7	6.7	83.3	80.0	6.7	6.0	6.0	4.7	4.0	4.0	6.3	7.7	5.7		
STAMINA (IS-PR 487)	6.3	6.0	80.0	80.0	6.3	6.3	6.3	5.7	3.7	4.0	6.0	7.3	5.7		
JR-192	6.7	5.3	81.7	73.3	7.3	6.3	6.7	5.7	3.7	3.0	6.0	6.7	5.7		
KARMA (PICK 10401)	6.7	6.0	78.3	81.7	6.3	5.7	6.7	6.0	3.3	3.0	7.0	7.7	5.7		

TABLE 9. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	LEAF TEXTURE	PERCENT COVER SPRING	PERCENT COVER FALL	MAR	APR	MAY	QUALITY RATINGS					SEP	OCT	MEAN
PPG-PR 136	6.7	6.7	70.0	80.0	6.3	6.3	6.0	5.3	3.3	3.3	7.0	8.0	5.7		
PPG-PR 165	7.0	6.3	73.3	56.7	7.0	6.7	6.3	5.7	3.0	3.3	6.3	7.3	5.7		
DLF LGT 4182	8.0	6.3	85.0	83.3	7.0	6.3	5.7	5.0	3.3	3.0	7.0	7.7	5.6		
ASPAIRE (IS-PR 489)	7.0	6.0	70.0	61.7	7.0	6.3	6.3	5.0	3.0	2.7	7.0	7.3	5.6		
BANFIELD (IS-PR 491)	6.3	6.0	85.0	78.3	6.0	6.7	6.7	5.3	3.7	3.3	6.3	6.7	5.6		
ISG-30	7.3	6.3	76.7	56.7	7.0	6.3	6.3	4.7	3.3	3.3	6.3	7.3	5.6		
JR-178	6.7	6.0	80.0	61.7	6.3	6.0	6.3	6.3	3.3	3.3	6.0	7.0	5.6		
APPLE SGL (PPG-PR 140)	6.3	6.0	80.0	71.7	6.0	6.0	6.7	5.7	3.7	3.3	6.3	7.0	5.6		
PPG-PR 142	6.0	6.0	68.3	80.0	6.7	6.0	6.7	5.7	3.0	2.7	7.0	7.0	5.6		
PRX-4GM1	6.7	6.0	70.0	75.0	7.0	6.3	6.0	4.7	3.3	3.0	7.0	7.7	5.6		
PST-2ACR	6.7	6.0	83.3	83.3	6.3	6.7	6.3	5.0	4.0	3.7	6.0	7.0	5.6		
SIENNA	6.7	6.0	61.7	61.7	6.7	6.7	6.3	5.0	3.3	3.3	6.3	7.3	5.6		
2NJK	6.0	6.0	91.7	88.3	6.0	6.3	6.0	5.7	4.0	3.7	5.7	7.0	5.5		
BAR LP 10970	7.0	6.0	86.7	85.0	7.0	6.0	6.3	5.3	3.3	3.0	6.0	7.0	5.5		
BRIGHTSTAR SLT	6.3	6.3	70.0	63.3	7.0	5.7	6.0	5.7	3.7	3.0	6.3	7.0	5.5		
PROMINENT (CS-20)	8.0	6.0	73.3	66.7	7.3	5.3	5.7	5.0	3.7	3.7	5.7	7.3	5.5		
PILLAR (CST)	7.0	6.0	76.7	81.7	6.0	6.0	6.7	5.7	4.0	3.7	5.3	7.0	5.5		
MACH I	7.0	6.7	81.7	85.0	6.0	6.3	6.3	5.0	3.3	3.7	6.3	6.7	5.5		
PLAYOFF 2 (P02)	7.0	6.3	75.0	75.0	6.7	6.3	6.7	5.3	3.0	2.7	6.3	7.3	5.5		
PPG-PR 121	7.0	6.0	83.3	80.0	6.3	6.0	6.0	5.3	3.0	3.7	7.0	6.7	5.5		
PPG-PR 143	7.0	6.0	66.7	66.7	6.3	6.0	6.0	5.7	4.0	3.7	5.7	6.3	5.5		
PST-2MG7	7.0	6.3	78.3	63.3	7.3	6.0	6.0	4.3	3.3	3.0	6.7	7.0	5.5		
SIDEWAYS (PSRX-S84)	6.7	6.3	81.7	73.3	6.7	6.0	6.3	6.0	3.3	3.0	6.0	6.7	5.5		
SRX-4MSH	7.3	6.3	88.3	85.0	6.3	6.0	6.0	5.0	3.7	3.7	6.3	7.0	5.5		
BAR LP 7608	5.7	6.3	85.0	81.7	6.7	6.3	6.0	5.7	3.0	3.0	5.7	6.7	5.4		
DLF LGD-3026	6.7	6.7	55.0	53.3	6.3	6.7	6.7	4.7	3.0	2.7	6.0	7.3	5.4		
IS-PR 488	6.3	6.0	81.7	61.7	7.0	6.0	5.7	5.0	2.7	2.7	6.3	7.7	5.4		
LTP-RAE	6.7	6.0	65.0	73.3	5.7	6.7	6.3	5.3	2.7	2.7	6.7	7.0	5.4		
DLF LGD-3022	6.3	6.0	66.7	66.7	6.7	5.7	5.3	5.0	3.3	3.3	6.7	6.3	5.3		
HAVEN (APR 2038)	7.0	6.7	78.3	73.3	6.3	5.7	6.0	5.3	2.7	2.7	6.7	7.0	5.3		
INSIGHT	6.3	6.3	60.0	53.3	6.3	7.0	6.0	4.7	2.7	2.3	6.7	7.0	5.3		
ISG-36	8.7	6.0	76.7	60.0	7.0	6.0	5.7	4.3	3.0	3.3	5.7	7.3	5.3		
PPG-PR 128	6.3	6.0	80.0	75.0	6.7	6.0	6.3	5.3	2.3	2.3	6.7	6.7	5.3		
PST-2TQL	6.7	6.0	75.0	76.7	6.7	6.0	6.0	4.7	3.0	2.7	6.3	6.7	5.3		
RIO VISTA	6.7	6.0	63.3	66.7	6.3	5.7	5.7	4.7	3.3	3.3	6.3	7.0	5.3		
LTP-PR 135	6.0	6.0	76.7	65.0	5.3	6.0	6.0	5.3	2.7	2.7	7.0	6.7	5.2		
PREMIUM (PPG-PR 137)	6.0	6.0	85.0	78.3	5.3	6.0	6.0	5.3	2.3	2.3	6.7	7.0	5.1		
PST-204D	6.0	6.0	66.7	71.7	6.0	5.7	5.3	4.7	3.3	3.7	5.7	6.3	5.1		
PINNACLE	5.3	6.0	78.3	70.0	6.7	5.0	5.7	5.0	3.0	3.0	5.0	6.3	5.0		
PST-2DR9	6.0	6.0	75.0	70.0	6.0	5.7	5.3	5.0	3.3	3.3	5.3	6.3	5.0		
LINN	4.0	3.3	71.7	70.0	5.7	2.7	3.3	2.7	2.7	2.3	5.0	4.3	3.6		
LSD VALUE	1.2	0.7	32.0	60.7	2.4	1.4	1.2	1.5	2.7	2.3	2.3	1.5	0.7		
C.V. (%)	9.9	6.8	15.8	21.2	12.9	11.7	9.7	13.9	22.3	23.1	13.9	9.7	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 10. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	QUALITY RATINGS					
					JUN	JUL	AUG	SEP	OCT	MEAN
APR 2320	7.0	6.0	5.3	5.7	6.7	6.7	7.0	7.0	7.3	6.5
APR 2445	7.0	5.0	5.7	6.0	6.7	6.0	6.3	7.0	7.0	6.4
PALMER V	7.0	5.7	5.7	6.0	6.0	6.3	6.7	7.0	7.0	6.4
SR 4650 (PSRX-3701)	7.0	5.0	6.0	6.0	6.7	6.3	6.7	6.0	7.3	6.4
EVOLUTION (S85)	7.0	5.7	5.3	5.7	6.0	6.3	6.3	6.7	7.0	6.2
ASPAIRE (IS-PR 489)	7.0	5.7	5.3	5.7	6.3	6.3	6.3	6.7	7.0	6.2
PANGEA GLR (CL 11701)	7.3	4.7	5.3	5.0	5.7	6.3	7.0	6.7	7.3	6.2
PPG-PR 138	7.0	5.0	5.3	5.7	6.0	6.3	6.3	6.3	7.3	6.2
PPG-PR 165	7.0	5.7	5.3	6.0	6.3	6.0	6.7	6.3	6.7	6.2
INSIGHT	6.0	5.7	5.7	5.7	7.0	6.3	5.7	5.7	7.0	6.1
IS-PR 409	7.0	5.0	5.3	5.3	6.3	6.3	6.0	6.3	7.3	6.1
BANDALORE (IS-PR 463)	7.0	5.0	5.0	5.7	6.7	6.0	6.3	6.3	7.0	6.1
STAMINA (IS-PR 487)	7.0	5.0	5.3	5.3	6.3	6.7	6.3	6.3	6.7	6.1
BANFIELD (IS-PR 491)	7.0	5.3	5.3	5.7	6.7	6.3	6.0	6.3	6.7	6.1
PIZZAZZ 2 GLR (PR 909)	7.0	5.0	5.3	5.3	6.0	6.0	6.3	6.7	7.0	6.1
PST-2K9	7.0	5.7	5.0	5.7	6.0	6.0	6.3	6.7	7.0	6.1
CL 11601	6.7	5.0	5.0	5.7	6.3	6.0	6.3	6.3	6.7	6.0
IS-PR 492	7.0	5.0	5.0	5.0	6.0	6.3	6.3	6.3	6.7	6.0
KARMA (PICK 10401)	7.0	5.3	5.7	5.7	6.0	6.3	6.0	6.0	6.7	6.0
PPG-PR 136	7.0	5.0	4.7	4.7	6.0	5.7	6.7	6.7	7.3	6.0
GRAND SLAM GLD (PPG-PR 164)	6.7	5.0	5.3	5.3	6.7	6.3	5.7	6.3	6.3	6.0
PST-2TQL	7.0	5.3	5.3	5.0	6.3	6.3	6.3	6.3	6.7	6.0
SOX FAN (GM3)	7.0	5.0	5.0	5.3	6.3	6.0	6.3	6.3	7.0	6.0
ALLANTE	6.0	5.7	5.3	5.7	7.0	6.0	5.3	5.7	6.3	5.9
BAR LP 10969	7.0	5.3	5.0	5.3	6.3	5.7	6.3	6.0	6.7	5.9
BAR LP 7608	7.0	5.0	5.3	5.0	6.0	5.7	6.0	6.7	6.7	5.9
CS-PR66	7.3	5.0	5.0	5.3	6.0	6.0	6.0	6.0	6.7	5.9
DOMINATOR (PST-2AG4)	7.0	5.0	5.0	4.7	6.0	6.0	6.7	5.7	7.0	5.9
IS-PR 488	7.0	5.0	5.3	5.3	6.3	6.0	5.7	6.3	6.3	5.9
LTP-PR 135	7.0	5.0	4.7	5.0	6.7	6.7	6.0	5.7	6.3	5.9
LTP-RAE	7.0	4.7	5.0	5.3	6.0	5.7	6.0	6.3	6.7	5.9
MANHATTAN 6 GLR (PST-2MAGS)	7.0	4.7	4.7	5.3	6.0	6.0	6.0	6.0	7.0	5.9
PPG-PR 121	7.0	5.0	5.0	5.3	6.0	5.7	6.0	6.3	6.7	5.9
STELLAR 3GL (PPG-PR 134)	7.0	5.0	5.0	5.3	6.0	6.0	6.0	6.0	6.7	5.9
APPLE SGL (PPG-PR 140)	7.0	4.7	5.3	5.0	6.3	5.7	6.0	6.3	6.7	5.9
PPG-PR 143	7.0	5.0	5.0	5.7	6.0	6.3	6.0	5.7	6.3	5.9
PST-2ACR	7.0	5.0	5.3	5.0	6.0	6.0	6.0	6.0	6.7	5.9
RAD-PR55R	7.3	5.3	5.0	5.0	6.0	6.0	6.3	6.0	6.7	5.9
SIDEWAYS (PSRX-S84)	6.7	4.7	5.0	5.0	5.7	5.7	6.0	6.7	7.0	5.9
SRX-4MSH	7.0	5.0	5.3	5.3	6.0	5.3	6.0	6.7	6.3	5.9
BONNEVILLE	7.0	4.3	4.7	5.0	6.0	6.0	6.0	6.0	6.7	5.8
BRIGHTSTAR SLT	7.0	4.7	4.7	5.0	6.0	5.3	6.3	6.3	6.7	5.8
CL 307	7.0	5.0	5.0	4.7	6.3	5.7	6.0	6.3	6.7	5.8
FIESTA 4	7.0	5.0	5.0	5.0	6.3	6.0	6.0	5.7	6.7	5.8
GO-G37	7.7	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.3	5.8
GO-PR60	7.3	5.3	5.3	5.3	6.0	5.3	5.7	6.0	6.7	5.8
HAVEN (APR 2038)	7.0	5.3	5.0	5.3	6.7	5.7	5.7	6.0	6.3	5.8

TABLE 10. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	QUALITY RATINGS			SEP	OCT	MEAN
THRIVE (IS-PR 469)	7.0	5.0	4.7	5.0	6.0	6.3	6.0	6.0	6.7	5.8
HANCOCK (IS-PR 479)	7.3	5.7	5.3	5.3	6.3	5.3	6.0	5.7	6.3	5.8
FASTBALL RGL (PPG-PR 133)	7.0	4.7	4.7	4.7	6.0	5.7	6.3	6.3	6.7	5.8
PST-204D	7.0	5.0	4.7	5.7	6.0	6.0	6.0	6.0	6.3	5.8
RAD-PR62	7.0	4.7	4.7	4.7	5.7	5.7	6.7	6.3	6.7	5.8
WICKED (SRX-4RHD)	6.7	5.3	5.3	4.7	6.3	6.0	5.3	6.0	6.7	5.8
DLF LGD-3022	6.7	4.7	5.0	5.0	6.0	5.0	6.0	6.0	6.7	5.7
MACH I	7.0	5.0	5.3	5.3	6.3	5.7	5.7	5.7	6.0	5.7
PPG-PR 142	7.0	4.7	5.0	5.3	5.7	5.7	6.0	6.0	6.0	5.7
PRX-4GM1	7.0	5.0	5.0	5.0	6.0	5.3	5.7	6.3	6.7	5.7
PSRX-4CAGL	7.0	5.0	4.7	5.0	6.3	5.7	6.0	5.7	6.3	5.7
PST-2BNS	7.0	5.0	5.0	5.3	6.3	5.0	5.7	6.0	6.7	5.7
PST-2NKM	7.0	5.0	4.7	5.0	6.0	6.0	6.0	5.7	6.7	5.7
RINOVO	6.7	4.7	5.0	4.7	6.7	6.0	5.7	5.7	6.3	5.7
RIO VISTA	7.0	5.3	5.0	5.3	6.3	5.7	6.0	5.7	6.0	5.7
SIENNA	6.3	5.0	5.0	5.3	6.7	6.3	5.3	5.7	5.7	5.7
APR 2036	6.7	4.3	5.0	4.7	6.3	6.0	6.0	5.3	6.0	5.6
DLF LGD-3026	7.0	5.3	5.0	4.7	5.7	5.3	6.0	6.3	6.3	5.6
ISG-31	8.0	5.0	4.7	4.3	5.3	5.7	6.3	6.0	6.7	5.6
JR-178	7.0	5.0	5.0	4.7	6.0	5.7	5.7	6.0	6.3	5.6
JR-192	7.0	5.0	4.7	5.0	5.7	5.7	6.0	5.7	6.3	5.6
OCTANE	7.0	5.0	4.7	5.3	5.7	5.0	6.0	6.0	6.3	5.6
PICK 4DFHM	7.0	4.7	4.7	4.7	5.7	6.0	5.7	6.0	6.7	5.6
PREMIUM (PPG-PR 137)	7.0	5.0	5.0	4.7	6.0	5.7	5.7	5.7	6.3	5.6
UNO	7.0	5.0	4.7	5.0	5.7	6.0	5.7	5.7	6.3	5.6
2NJK	7.0	4.7	4.7	4.7	6.3	5.0	5.7	5.7	6.7	5.5
PILLAR (CST)	7.0	4.3	4.3	5.0	6.0	5.3	5.7	5.7	6.7	5.5
ISG-36	8.0	5.0	4.7	4.3	5.7	5.0	6.0	6.3	6.3	5.5
PINNACLE	6.0	4.0	4.3	4.7	5.3	5.0	6.3	6.7	6.3	5.5
PST-2MG7	7.0	4.7	4.3	4.3	5.7	5.7	6.0	6.0	6.3	5.5
A-35	7.3	5.0	4.7	4.7	6.0	5.0	5.7	5.3	6.3	5.4
PROMINENT (CS-20)	8.0	5.0	4.7	4.3	5.3	5.7	6.0	5.7	6.3	5.4
DLF LGT 4182	7.0	4.7	4.7	4.7	5.7	5.0	6.0	5.7	6.0	5.4
GO-DHS	8.0	5.3	4.7	4.7	5.3	5.0	6.0	6.0	6.0	5.4
PLAYOFF 2 (P02)	7.0	5.0	5.0	5.0	6.0	5.3	5.3	5.3	6.0	5.4
PPG-PR 128	7.0	4.7	4.7	4.7	5.3	5.0	6.0	6.0	6.3	5.4
BAR LP 10970	7.0	4.3	4.3	4.7	5.3	5.0	6.0	5.7	6.3	5.3
BAR LP 10972	7.0	4.3	4.3	4.0	5.7	5.3	6.0	5.7	6.0	5.3
PST-2DR9	7.0	4.3	4.3	4.3	5.7	5.3	6.0	5.7	6.0	5.3
ISG-30	7.7	5.0	4.3	4.3	5.3	5.7	5.7	5.3	6.0	5.2
LINN	4.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	3.7
LSD VALUE	0.4	0.8	0.9	1.0	0.8	1.0	1.0	1.4	1.0	0.5
C.V. (%)	3.5	9.0	9.4	10.8	7.7	9.5	8.2	10.0	8.1	5.4

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 AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	DOLLAR SPOT		QUALITY RATINGS						
		JUNE	JULY	APR	JUN	JUL	AUG	SEP	OCT	MEAN
PANGEA GLR (CL 11701)	7.0	5.0	3.7	6.3	6.7	5.3	6.0	6.0	6.7	6.2
BANDALORE (IS-PR 463)	6.7	6.3	4.3	5.3	7.0	4.7	6.0	6.0	7.3	6.1
BANFIELD (IS-PR 491)	7.0	6.3	4.3	6.0	7.0	4.3	6.0	5.7	6.7	5.9
WICKED (SRX-4RHD)	5.3	7.3	6.0	5.7	7.0	5.0	6.0	5.7	6.0	5.9
APR 2445	6.3	7.0	4.7	5.7	6.0	4.7	6.0	6.0	6.7	5.8
EVOLUTION (S85)	6.0	6.7	4.0	5.7	6.7	4.0	5.0	6.0	7.0	5.7
GO-PR60	6.7	4.3	3.7	6.3	6.3	3.7	5.7	5.3	6.7	5.7
A-35	6.0	8.7	7.3	4.7	5.0	6.3	7.3	5.0	5.0	5.6
BAR LP 10972	4.3	7.3	5.7	5.7	5.7	5.3	6.3	5.3	5.0	5.6
RIO VISTA	6.3	5.0	3.3	6.0	6.0	3.7	5.3	5.7	7.0	5.6
DOMINATOR (PST-2AG4)	5.3	5.7	4.0	6.0	6.0	4.0	5.7	6.0	5.3	5.5
BAR LP 10970	3.7	8.3	6.7	6.0	5.7	5.0	5.7	5.3	5.0	5.4
KARMA (PICK 10401)	5.3	7.3	5.0	5.3	6.3	4.7	4.7	5.3	6.3	5.4
PST-2K9	5.0	7.7	4.7	5.3	5.7	4.7	5.7	6.0	5.0	5.4
PST-2TQL	4.7	6.3	6.0	5.0	6.0	5.0	6.0	6.0	4.7	5.4
BAR LP 10969	4.0	5.0	4.3	6.0	5.7	4.0	5.7	5.0	5.7	5.3
FIESTA 4	7.3	4.0	3.7	6.0	4.7	3.7	5.3	5.7	6.3	5.3
PPG-PR 136	6.0	6.7	4.7	5.0	6.7	4.0	5.0	4.7	6.3	5.3
PST-204D	4.3	8.0	5.0	5.3	5.7	5.3	6.0	5.0	4.7	5.3
PST-2ACR	5.3	7.7	5.3	5.0	5.7	5.0	6.0	5.0	5.0	5.3
RAD-PR55R	7.0	7.0	3.7	6.0	5.0	3.7	5.7	5.0	6.3	5.3
APR 2320	4.3	6.0	4.0	5.7	6.3	4.0	5.0	5.0	5.0	5.2
GO-G37	6.3	6.3	4.3	5.7	5.0	4.3	5.7	5.0	5.3	5.2
IS-PR 409	5.7	5.7	4.0	5.7	5.0	4.0	5.3	5.0	6.3	5.2
THRIVE (IS-PR 469)	6.7	5.0	3.7	5.7	6.0	3.7	4.7	4.7	6.7	5.2
IS-PR 492	6.3	6.0	4.0	5.7	5.7	3.0	5.7	5.3	5.7	5.2
ISG-36	5.7	7.7	5.7	4.3	5.0	5.3	6.7	5.0	5.0	5.2
PPG-PR 121	5.7	4.0	2.3	5.3	5.3	2.3	5.3	6.0	6.7	5.2
DLF LGT 4182	6.0	8.0	6.0	6.0	6.3	5.7	5.0	3.3	4.0	5.1
HANCOCK (IS-PR 479)	5.3	6.7	3.7	5.0	5.0	4.3	5.3	4.7	6.0	5.1
MACH I	6.3	5.0	4.0	5.7	5.0	3.3	5.3	5.0	6.0	5.1
GRAND SLAM GLD (PPG-PR 164)	7.0	5.3	3.3	5.3	5.7	2.7	5.0	5.0	6.7	5.1
PPG-PR 165	6.0	5.3	4.3	5.0	5.7	3.7	4.3	5.3	6.7	5.1
PST-2DR9	4.7	7.0	5.7	4.7	5.7	5.0	5.3	5.3	4.7	5.1
PST-2NKM	5.3	6.3	4.3	5.3	6.3	4.0	5.3	4.7	5.0	5.1
SIDEWAYS (PSRX-S84)	7.0	5.3	3.7	4.7	6.7	4.0	4.0	4.3	6.7	5.1
GO-DHS	6.7	7.0	5.3	5.3	4.7	4.7	5.7	5.0	4.7	5.0
PST-2BNS	4.3	7.0	5.3	5.3	6.7	4.3	4.7	4.0	5.0	5.0
CL 307	6.0	3.7	3.3	5.7	5.0	2.7	4.0	5.0	7.0	4.9
CS-PR66	5.3	5.3	4.0	6.0	5.7	3.3	5.0	4.3	5.3	4.9
DLF LGD-3022	4.7	5.3	3.3	5.3	6.3	3.0	5.0	4.7	5.3	4.9
ASPAIRE (IS-PR 489)	6.7	5.0	3.7	6.0	6.0	3.0	4.0	5.0	5.7	4.9
ISG-31	5.7	7.7	5.0	5.0	5.0	4.7	5.7	4.3	5.0	4.9
LTP-RAE	5.3	3.7	3.0	5.7	4.7	3.3	4.7	4.7	6.7	4.9
OCTANE	5.7	4.7	2.7	5.3	5.0	2.7	5.0	5.3	6.0	4.9
FASTBALL RGL (PPG-PR 133)	4.7	4.7	3.3	5.0	5.0	3.0	5.0	5.0	6.7	4.9
PSRX-4CAGL	6.3	3.7	2.7	4.7	5.3	3.3	4.7	4.7	6.7	4.9

TABLE 11. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	DOLLAR SPOT		QUALITY RATINGS						
		JUNE	JULY	APR	JUN	JUL	AUG	SEP	OCT	MEAN
RINOVO	6.0	3.7	2.7	5.0	6.0	3.0	4.0	5.0	6.3	4.9
PROMINENT (CS-20)	6.0	7.7	4.7	4.3	4.7	4.7	6.0	4.3	4.7	4.8
STAMINA (IS-PR 487)	4.3	4.0	3.3	5.0	5.0	3.7	5.3	4.7	5.3	4.8
ISG-30	6.7	6.7	5.0	5.3	5.3	4.0	5.3	4.3	4.7	4.8
JR-178	6.0	4.7	3.0	5.3	5.0	3.0	5.0	4.7	6.0	4.8
PALMER V	7.0	4.3	2.3	5.0	6.0	2.7	4.3	5.0	5.7	4.8
PRX-4GM1	5.7	4.7	3.3	5.0	6.0	3.3	5.0	4.3	5.0	4.8
SRX-4MSH	5.0	4.3	3.7	5.0	5.3	3.7	5.0	5.0	4.7	4.8
2NJK	4.3	5.7	4.3	5.0	6.0	3.3	4.3	4.7	5.0	4.7
HAVEN (APR 2038)	4.3	6.3	5.0	5.3	5.0	4.0	4.7	4.3	5.0	4.7
PIZZAZZ 2 GLR (PR 909)	6.7	4.0	2.3	5.0	5.3	3.0	4.3	4.7	6.0	4.7
PREMIUM (PPG-PR 137)	6.0	5.0	3.7	5.0	5.3	3.3	4.0	5.0	5.7	4.7
PST-2MG7	5.0	6.0	4.0	5.0	5.3	3.7	5.0	4.3	4.7	4.7
SR 4650 (PSRX-3701)	5.7	6.7	4.7	5.0	5.7	4.0	4.3	4.0	5.3	4.7
UNO	5.7	5.0	3.3	6.0	5.7	2.3	4.3	4.7	5.3	4.7
DLF LGD-3026	5.0	5.7	4.3	5.0	5.7	3.7	4.7	4.7	4.0	4.6
STELLAR 3GL (PPG-PR 134)	6.3	5.7	5.0	5.0	5.0	3.0	4.3	4.7	5.7	4.6
RAD-PR62	5.0	5.7	3.7	5.0	5.3	3.3	4.7	4.0	5.3	4.6
SOX FAN (GM3)	6.0	3.3	2.3	5.0	4.7	2.3	5.3	5.0	5.3	4.6
PPG-PR 128	5.0	4.7	3.7	5.0	5.0	3.3	4.3	4.3	5.0	4.5
APR 2036	6.0	5.0	1.7	5.0	4.3	2.7	4.7	4.3	5.3	4.4
BONNEVILLE	5.3	4.7	3.0	4.3	4.7	3.0	4.3	4.7	5.7	4.4
CL 11601	5.3	4.7	3.3	4.7	6.3	3.0	4.0	4.0	4.7	4.4
MANHATTAN 6 GLR (PST-2MAGS)	6.3	4.3	2.3	5.3	5.3	2.0	4.3	4.3	5.3	4.4
PLAYOFF 2 (P02)	4.3	7.0	4.3	5.0	4.7	4.3	4.0	4.3	4.3	4.4
PPG-PR 138	5.0	6.0	4.3	5.0	5.0	3.3	5.0	3.7	4.3	4.4
IS-PR 488	5.0	4.0	2.7	5.0	4.7	2.3	4.3	4.3	5.0	4.3
PPG-PR 142	5.0	4.7	3.7	4.7	5.3	3.0	4.7	3.7	4.7	4.3
PPG-PR 143	5.0	5.3	3.7	4.7	5.3	3.3	4.3	4.0	4.3	4.3
BAR LP 7608	2.7	6.7	5.7	4.7	4.0	3.7	5.0	4.0	3.7	4.2
PILLAR (CST)	4.0	4.3	3.3	4.7	5.0	2.0	4.7	3.7	4.3	4.1
JR-192	4.3	5.0	3.3	5.0	5.3	2.7	4.0	3.3	4.0	4.1
LTP-PR 135	4.7	4.3	3.0	4.7	4.7	2.7	4.3	3.7	4.3	4.1
BRIGHTSTAR SLT	4.3	5.3	4.3	4.3	4.0	3.0	5.3	3.7	3.7	4.0
PICK 4DFHM	4.3	4.7	3.0	4.7	4.3	2.7	4.7	3.3	4.0	3.9
APPLE SGL (PPG-PR 140)	4.3	3.7	3.0	4.3	4.7	2.3	3.7	3.3	4.0	3.7
SIENNA	4.3	2.7	2.7	5.0	3.7	2.3	3.3	3.3	4.3	3.7
ALLANTE	4.0	3.3	3.3	4.3	3.7	2.3	3.3	3.0	3.3	3.3
INSIGHT	4.0	2.7	2.3	4.7	3.7	1.7	3.0	3.0	3.3	3.2
PINNACLE	2.0	4.7	4.3	4.0	3.3	2.7	2.7	3.0	3.0	3.1
LINN	1.0	6.0	4.0	1.0	1.0	1.3	1.0	1.0	1.0	1.1
LSD VALUE	1.3	1.8	1.5	1.0	1.3	1.1	1.3	1.5	1.5	0.7
C.V. (%)	15.7	19.8	22.5	11.4	14.6	19.9	15.9	18.3	17.0	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 12. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS, OR 1/
2012 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	
ASPAIRE (IS-PR 489)	7.0	5.7	5.3	6.0	6.3	6.0	5.3	5.0	5.3	7.0	7.3	7.0	6.3	6.1
BANFIELD (IS-PR 491)	8.0	5.3	5.7	6.0	5.3	6.0	5.3	5.0	6.0	8.0	7.0	7.0	6.7	6.1
RINOVO	6.7	6.0	6.0	6.0	6.3	6.3	5.0	5.0	5.3	6.7	6.7	6.7	6.3	6.0
IS-PR 409	7.3	5.3	5.3	5.7	5.3	6.0	5.0	5.0	6.3	7.3	7.0	6.7	6.0	5.9
THRIVE (IS-PR 469)	7.0	5.3	5.3	5.3	6.0	5.7	5.0	5.0	5.7	7.3	6.7	6.7	6.3	5.9
IS-PR 488	7.0	5.3	4.7	5.7	6.3	5.3	5.3	5.0	6.0	7.0	7.0	6.7	6.0	5.9
ISG-30	7.3	5.3	5.7	6.0	5.7	5.3	5.3	5.0	5.3	7.3	6.3	6.3	6.7	5.9
PIZZAZZ 2 GLR (PR 909)	6.7	5.3	5.3	5.7	6.3	6.3	5.3	5.0	5.3	7.0	6.7	6.3	6.3	5.9
FASTBALL RGL (PPG-PR 133)	7.0	5.7	5.3	6.0	6.0	5.0	5.7	5.0	5.7	7.0	7.0	6.7	6.3	5.9
PST-2BNS	7.0	5.3	5.3	5.3	6.7	6.0	5.7	5.0	5.7	7.0	6.3	6.3	6.3	5.9
SIENNA	6.7	5.3	4.7	5.7	6.7	7.0	5.3	5.0	5.3	7.0	6.3	6.0	6.3	5.9
BONNEVILLE	7.0	5.0	5.3	5.7	5.7	5.7	5.0	5.0	5.3	7.0	6.7	6.7	6.3	5.8
CL 307	7.3	5.0	5.0	5.7	5.7	5.0	5.7	5.0	5.7	7.3	6.7	6.3	6.0	5.8
DLF LGD-3026	7.0	5.3	5.7	6.0	5.7	5.0	5.0	5.0	5.3	7.0	6.7	6.3	6.3	5.8
FIESTA 4	7.3	5.3	5.3	5.3	5.3	6.0	5.0	5.0	5.7	7.0	6.7	7.0	6.3	5.8
BANDALORE (IS-PR 463)	7.3	5.0	5.0	5.3	5.7	5.7	5.0	5.0	5.7	7.3	7.0	6.3	6.0	5.8
IS-PR 492	7.0	5.7	5.3	5.7	5.0	5.3	5.3	4.7	5.7	7.0	7.0	6.7	6.0	5.8
MACH I	7.7	5.3	5.3	5.7	5.7	5.3	5.3	5.0	5.7	7.3	6.7	6.3	5.7	5.8
PPG-PR 121	7.0	5.3	5.7	5.7	5.7	4.7	5.0	5.0	5.7	7.0	7.0	6.3	6.3	5.8
PPG-PR 128	7.3	5.0	5.3	5.3	6.0	5.3	5.3	5.0	5.7	7.3	7.0	6.7	6.0	5.8
PREMIUM (PPG-PR 137)	7.0	5.3	5.7	5.3	5.3	5.0	5.3	5.0	5.3	7.3	7.0	6.7	6.0	5.8
APPLE SGL (PPG-PR 140)	7.0	5.0	5.0	5.3	6.0	6.3	5.7	4.7	5.3	7.0	6.7	6.0	6.3	5.8
GRAND SLAM GLD (PPG-PR 164)	7.3	5.0	5.3	5.7	5.7	5.0	5.3	5.0	5.3	7.3	7.0	6.7	6.0	5.8
PST-204D	7.0	5.3	5.3	5.3	6.0	6.3	5.0	5.0	5.3	6.7	6.3	6.3	6.0	5.8
PST-2DR9	7.0	5.3	5.3	5.3	6.0	6.0	5.0	5.0	5.7	7.0	6.3	6.0	6.3	5.8
RAD-PR55R	7.3	5.7	5.7	5.7	5.0	6.0	5.7	5.0	5.3	7.0	6.3	6.3	5.7	5.8
WICKED (SRX-4RHD)	7.0	5.3	5.3	5.3	6.0	5.7	5.0	5.0	5.3	7.0	7.0	6.7	6.0	5.8
APR 2036	7.3	5.0	5.0	5.7	6.0	5.7	5.0	5.0	5.7	7.3	6.0	6.0	5.7	5.7
DLF LGD-3022	7.0	5.3	5.3	5.7	5.7	5.0	5.0	5.0	5.0	7.0	6.7	6.7	6.3	5.7
EVOLUTION (S85)	7.3	5.0	4.7	5.7	5.3	5.7	5.0	5.0	5.3	7.3	7.0	6.3	5.7	5.7
INSIGHT	7.0	5.0	4.7	5.7	6.3	6.3	5.0	5.0	5.0	7.0	6.0	6.0	6.0	5.7
KARMA (PICK 10401)	7.0	5.3	5.0	5.3	5.7	5.7	5.3	5.0	5.3	7.0	6.7	6.3	5.7	5.7
LTP-RAE	7.3	5.0	5.0	5.7	5.0	6.0	5.3	4.7	5.3	7.3	6.7	6.3	6.0	5.7
OCTANE	7.0	5.3	5.3	5.3	5.7	5.7	5.3	5.0	5.0	6.7	6.7	6.0	6.3	5.7
PALMER V	6.7	5.3	5.3	5.7	6.0	6.0	5.0	4.7	5.0	6.3	6.3	6.3	6.3	5.7
STELLAR 3GL (PPG-PR 134)	7.0	5.0	5.3	5.3	5.0	5.3	5.7	5.0	5.7	7.0	7.0	6.0	6.0	5.7
PPG-PR 138	7.0	5.0	4.7	5.3	5.7	5.7	5.3	5.0	5.7	7.0	7.0	6.3	6.0	5.7
PPG-PR 143	7.0	5.3	5.3	5.7	6.0	5.3	5.0	5.0	4.7	7.0	6.7	6.3	6.3	5.7
PPG-PR 165	7.3	5.3	5.0	5.3	6.3	4.7	5.3	4.7	5.7	7.0	6.7	6.3	6.0	5.7
PSRX-4CAGL	6.7	5.7	5.7	6.0	6.0	5.7	5.0	4.7	5.0	6.3	6.3	6.0	6.3	5.7
RIO VISTA	7.0	5.0	5.3	5.7	5.0	4.7	5.0	5.0	6.0	7.0	6.7	6.7	6.0	5.7
SOX FAN (GM3)	7.0	5.3	5.3	5.3	5.3	5.3	5.0	5.0	5.3	6.7	6.7	6.3	6.3	5.7
SR 4650 (PSRX-3701)	7.3	5.0	5.0	6.0	5.7	5.3	5.0	5.0	5.3	7.0	6.3	6.0	6.3	5.7
A-35	7.3	5.3	5.0	5.7	5.0	4.7	5.7	5.0	5.3	7.0	6.3	6.7	5.7	5.6
ALLANTE	6.7	5.0	4.7	5.3	6.3	6.7	5.3	4.7	5.3	6.7	6.0	6.0	5.3	5.6
BAR LP 10970	6.7	5.0	4.7	5.3	6.0	5.7	5.7	5.0	5.3	6.7	6.3	6.0	5.3	5.6
CL 11601	7.0	5.0	5.0	5.3	5.3	6.3	5.0	5.0	5.0	7.0	6.0	6.0	5.7	5.6

TABLE 12.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS, OR 1/
2012 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	
PROMINENT (CS-20)	7.3	5.3	5.3	6.0	5.3	5.0	5.0	5.0	5.7	6.7	6.3	6.0	6.0	5.6
CS-PR66	6.7	5.3	5.3	5.7	5.3	5.7	5.0	5.0	4.7	6.7	6.3	6.0	5.7	5.6
HAVEN (APR 2038)	6.7	5.3	5.0	5.3	5.7	6.0	5.0	5.0	5.3	6.7	6.0	6.0	6.0	5.6
HANCOCK (IS-PR 479)	7.0	5.0	5.3	6.0	5.3	5.3	5.0	5.0	5.7	7.0	6.0	6.0	6.0	5.6
STAMINA (IS-PR 487)	6.7	5.0	5.3	5.3	5.7	6.7	5.3	4.7	5.0	6.7	6.3	6.0	5.7	5.6
JR-178	7.0	5.0	5.0	5.3	5.7	5.3	5.0	4.7	5.0	7.0	7.0	6.3	5.7	5.6
LTP-PR 135	7.0	5.0	5.0	5.0	5.3	4.7	5.0	5.0	5.7	7.7	7.0	6.3	5.7	5.6
MANHATTAN 6 GLR (PST-2MAGS)	7.3	5.0	5.0	5.3	5.7	5.3	5.0	5.0	5.7	7.0	6.7	6.0	5.7	5.6
PANGEA GLR (CL 11701)	7.0	5.3	5.3	5.7	4.7	5.3	5.0	5.0	5.7	7.0	6.7	6.3	5.3	5.6
PLAYOFF 2 (P02)	7.0	5.0	5.3	5.3	5.3	5.7	5.0	4.7	5.3	7.0	6.0	6.0	6.0	5.6
PPG-PR 136	7.3	5.0	5.0	5.0	5.0	5.3	5.3	5.0	5.7	7.3	6.7	6.0	6.0	5.6
PPG-PR 142	7.0	5.3	4.7	5.3	5.7	5.7	5.0	5.0	4.7	7.0	6.3	6.7	5.7	5.6
PRX-4GM1	7.0	5.3	4.7	5.3	5.3	5.3	5.0	5.0	5.7	7.0	6.7	6.0	6.0	5.6
PILLAR (CST)	6.7	5.0	5.3	5.3	5.7	5.0	4.7	4.7	5.3	6.7	6.7	6.3	5.3	5.5
DOMINATOR (PST-2AG4)	7.0	5.3	5.0	5.3	5.3	4.7	5.0	5.0	5.3	7.0	6.3	6.0	5.3	5.5
ISG-31	7.0	5.3	5.3	5.7	5.0	5.7	5.0	5.0	5.0	6.3	6.0	6.0	6.0	5.5
ISG-36	7.7	5.3	5.0	5.3	5.0	4.7	5.7	5.0	5.3	6.7	6.7	6.3	5.0	5.5
PST-2MG7	7.3	5.0	4.7	5.7	5.0	5.0	5.0	5.0	6.0	7.0	6.3	6.0	5.7	5.5
SIDEWAYS (PSRX-S84)	6.7	5.0	5.3	5.3	5.3	4.7	5.0	5.0	5.0	6.7	6.3	6.0	6.0	5.5
2NJK	7.0	5.0	5.0	5.0	5.7	4.3	5.0	5.0	5.3	7.0	6.0	6.0	5.7	5.4
APR 2320	7.0	5.0	4.7	5.0	4.7	5.0	5.0	5.0	5.7	7.0	6.3	6.0	5.0	5.4
DLF LGT 4182	7.0	5.0	5.0	5.0	5.7	5.0	5.0	5.0	5.3	6.7	5.7	5.7	6.0	5.4
GO-G37	7.3	5.3	5.0	5.3	5.0	4.3	5.3	4.7	5.7	7.0	6.3	6.0	5.3	5.4
PICK 4DFHM	6.7	5.0	5.0	5.0	5.3	4.7	5.0	5.0	5.0	6.7	6.0	6.0	6.0	5.4
SRX-4MSH	6.7	5.0	4.7	5.3	5.0	5.7	5.0	4.7	5.0	6.7	6.0	6.0	5.7	5.4
UNO	6.7	5.3	5.0	5.3	5.7	5.0	5.0	5.0	5.0	6.7	6.0	6.0	5.3	5.4
APR 2445	6.7	5.0	5.0	5.0	5.3	4.7	5.0	5.0	5.0	6.7	6.0	6.0	5.3	5.3
BAR LP 10969	6.7	5.0	4.7	5.0	4.7	4.7	5.0	5.0	5.0	6.7	6.0	5.7	5.7	5.3
GO-PR60	6.7	5.0	5.0	5.0	5.3	4.3	5.0	5.0	5.0	6.3	6.3	6.0	5.7	5.3
PST-2ACR	7.0	5.0	4.7	5.3	5.0	4.7	5.0	4.7	5.0	6.7	6.3	6.0	5.3	5.3
PST-2K9	7.0	5.0	4.7	5.0	5.0	4.7	5.0	4.7	5.0	6.7	6.0	6.0	6.0	5.3
PST-2NKM	6.7	5.0	4.7	5.0	5.0	5.0	5.0	4.7	5.3	6.7	6.0	6.0	5.7	5.3
PST-2TQL	6.3	5.0	4.7	5.0	5.3	5.3	5.3	4.3	5.0	6.3	6.0	5.7	5.7	5.3
BAR LP 10972	6.7	4.7	4.3	5.0	5.7	5.0	5.0	5.0	5.0	6.7	6.0	6.0	4.3	5.2
BAR LP 7608	6.3	5.0	4.7	5.3	5.0	4.7	5.0	4.3	5.3	6.7	5.0	5.7	5.3	5.2
BRIGHTSTAR SLT	6.3	5.0	4.3	5.0	5.7	5.0	5.0	4.3	5.3	6.3	5.0	5.3	5.7	5.2
RAD-PR62	7.0	4.7	4.7	4.7	4.3	4.0	5.0	5.0	5.7	7.0	6.0	6.0	5.3	5.2
GO-DHS	6.3	5.0	5.0	5.0	4.3	4.0	5.7	4.3	5.3	6.3	5.7	5.3	5.3	5.1
JR-192	6.0	4.7	4.3	4.7	5.3	4.3	5.3	4.7	5.0	6.0	6.0	5.7	5.3	5.1
PINNACLE	5.3	4.7	4.7	4.7	4.7	4.3	5.0	4.0	4.3	6.0	5.0	5.0	5.3	4.8
LINN	6.0	4.3	4.3	4.3	3.7	3.7	4.0	4.0	4.7	6.3	5.0	5.7	5.3	4.6
LSD VALUE	1.2	1.1	1.3	0.9	1.8	2.0	0.7	0.6	1.2	2.0	0.7	0.8	0.9	0.4
C.V. (%)	7.3	7.4	9.9	7.9	13.5	16.4	6.6	5.8	9.0	8.0	6.8	6.7	8.2	4.4

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 RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS							MEAN
	MAR	MAY	JUN	JUL	AUG	SEP	NOV	
WICKED (SRX-4RHD)	6.3	6.7	7.0	6.7	7.3	8.3	8.7	7.3
STELLAR 3GL (PPG-PR 134)	5.3	6.0	6.7	6.0	8.3	7.3	8.3	6.9
PST-204D	7.0	6.7	7.3	6.3	7.0	6.3	7.7	6.9
PST-2NKM	5.7	6.3	7.0	7.0	7.0	7.0	7.7	6.8
2NJK	5.0	6.0	6.7	6.3	7.3	7.3	8.0	6.7
HAVEN (APR 2038)	5.3	6.3	7.3	6.3	7.3	6.3	8.0	6.7
PST-2BNS	6.0	6.3	7.3	6.7	7.0	6.0	6.7	6.6
SIDEWAYS (PSRX-S84)	5.0	6.0	6.7	6.0	7.3	7.3	7.7	6.6
EVOLUTION (S85)	5.0	6.0	6.3	5.7	7.0	7.3	8.3	6.5
DOMINATOR (PST-2AG4)	6.0	6.0	5.7	4.7	6.7	7.0	8.7	6.4
PST-2DR9	5.7	6.0	6.0	6.0	6.7	6.0	8.3	6.4
PST-2K9	5.0	6.0	7.3	5.3	7.3	7.0	6.7	6.4
BAR LP 10970	5.3	5.3	5.7	5.3	7.3	7.3	7.7	6.3
BRIGHTSTAR SLT	5.7	5.7	5.3	5.0	7.0	8.0	7.7	6.3
FASTBALL RGL (PPG-PR 133)	4.7	5.7	6.0	6.0	7.0	6.7	8.0	6.3
CL 11601	5.7	6.3	7.3	7.0	6.7	5.0	5.7	6.2
GO-G37	5.3	5.7	5.0	5.7	6.3	7.3	8.0	6.2
IS-PR 492	5.7	6.3	7.0	5.3	7.3	5.7	6.3	6.2
PREMIUM (PPG-PR 137)	5.3	5.7	6.0	5.7	6.3	6.3	8.0	6.2
PST-2ACR	5.0	5.7	6.3	5.7	7.7	6.3	7.0	6.2
RAD-PR62	5.7	5.7	5.0	5.7	6.3	6.7	8.3	6.2
UNO	5.3	5.3	5.3	6.0	7.3	7.0	7.0	6.2
APR 2445	5.7	6.0	5.7	5.7	6.7	6.0	7.3	6.1
LTP-PR 135	4.3	5.7	6.3	6.0	6.7	6.7	7.0	6.1
PST-2TQL	5.0	5.7	6.0	5.7	7.0	6.3	7.3	6.1
BAR LP 7608	4.7	5.7	6.0	5.7	7.3	6.7	6.0	6.0
CL 307	4.0	5.3	5.7	5.7	6.3	7.3	7.7	6.0
DLF LGD-3022	5.7	6.3	6.3	5.3	6.3	5.7	6.0	6.0
MANHATTAN 6 GLR (PST-2MAGS)	5.3	5.3	5.7	4.7	7.0	6.0	8.0	6.0
PALMER V	4.3	5.7	5.7	5.3	6.3	6.7	7.7	6.0
PICK 4DFHM	4.0	5.3	6.3	5.7	7.0	6.3	7.0	6.0
PLAYOFF 2 (P02)	4.7	5.0	5.3	6.0	6.3	7.0	8.0	6.0
PPG-PR 121	4.3	5.7	6.3	5.7	7.3	6.0	6.3	6.0
PPG-PR 128	4.7	5.3	5.7	6.7	7.3	5.3	6.7	6.0
PPG-PR 138	4.7	5.3	6.0	5.3	6.7	6.3	7.3	6.0
APPLE SGL (PPG-PR 140)	4.0	5.3	6.0	5.0	7.3	7.0	7.3	6.0
GRAND SLAM GLD (PPG-PR 164)	4.3	5.3	5.7	5.3	7.7	6.7	7.3	6.0
PST-2MG7	4.7	5.3	5.7	4.3	7.3	6.3	8.3	6.0
SRX-4MSH	4.3	5.3	6.3	5.3	7.7	6.3	7.0	6.0
APR 2036	5.0	6.0	6.0	5.3	6.3	6.3	6.0	5.9
PROMINENT (CS-20)	6.7	6.0	5.0	4.3	6.3	6.3	6.3	5.9
ISG-30	5.3	5.7	4.7	5.3	6.3	6.3	7.7	5.9
ISG-31	5.7	5.3	5.3	5.3	6.3	6.0	7.3	5.9
KARMA (PICK 10401)	4.7	5.7	7.0	6.0	7.3	4.3	6.3	5.9
OCTANE	5.0	5.7	6.0	5.0	7.0	5.7	6.7	5.9
PANGEA GLR (CL 11701)	4.0	5.3	6.0	5.7	6.3	7.0	7.0	5.9
PPG-PR 136	4.7	5.3	5.0	5.0	6.7	7.3	7.0	5.9

TABLE 13. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2012 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/

NAME	QUALITY RATINGS							MEAN
	MAR	MAY	JUN	JUL	AUG	SEP	NOV	
PPG-PR 143	4.7	5.7	5.7	5.3	6.7	6.7	6.3	5.9
BAR LP 10972	5.3	5.0	4.3	5.0	6.7	7.3	6.7	5.8
CS-PR66	5.0	5.0	4.7	5.7	6.7	6.7	7.0	5.8
GO-PR60	5.0	5.0	4.7	5.0	7.3	6.7	7.0	5.8
PRX-4GM1	5.0	5.7	6.7	5.7	6.0	5.3	6.0	5.8
BAR LP 10969	5.3	5.7	5.3	5.3	6.3	5.3	6.3	5.7
A-35	5.7	5.7	5.3	5.0	6.3	5.0	6.3	5.6
DLF LGT 4182	5.7	5.3	4.3	4.3	6.0	6.0	7.3	5.6
IS-PR 409	5.0	6.0	6.7	4.3	5.3	5.3	6.7	5.6
RAD-PR55R	5.3	5.0	4.3	4.7	6.0	6.0	7.7	5.6
RINOV0	5.0	6.3	7.0	5.0	6.3	5.0	4.7	5.6
SR 4650 (PSRX-3701)	5.7	6.0	6.7	5.3	6.7	4.0	5.0	5.6
GO-DHS	5.3	5.3	4.3	4.3	6.7	6.0	6.7	5.5
THRIVE (IS-PR 469)	4.7	5.0	5.3	5.0	6.0	5.3	7.3	5.5
IS-PR 488	4.7	5.3	6.0	5.7	6.7	4.0	6.0	5.5
BANFIELD (IS-PR 491)	6.3	6.0	6.3	5.0	5.3	4.0	5.3	5.5
JR-178	4.3	5.3	6.3	6.0	6.3	5.0	5.3	5.5
JR-192	4.3	5.7	7.0	5.3	6.0	4.7	5.7	5.5
PPG-PR 165	5.0	5.3	5.7	5.0	7.0	5.0	5.7	5.5
ALLANTE	4.3	5.0	6.0	5.0	5.0	5.3	7.0	5.4
BONNEVILLE	4.7	5.0	5.3	5.0	5.7	6.0	6.3	5.4
PILLAR (CST)	5.7	6.0	6.3	5.3	6.0	3.3	5.3	5.4
FIESTA 4	5.3	5.3	5.3	5.3	6.0	5.0	5.3	5.4
STAMINA (IS-PR 487)	4.3	5.7	7.0	5.3	6.3	4.3	5.0	5.4
ISG-36	4.7	5.0	4.7	4.0	7.0	5.7	6.7	5.4
RIO VISTA	6.0	5.7	6.0	5.3	5.7	4.0	5.0	5.4
PINNACLE	5.3	5.3	5.0	5.0	5.3	5.3	6.0	5.3
PIZZAZZ 2 GLR (PR 909)	5.0	5.7	6.3	6.0	5.0	4.7	4.7	5.3
PPG-PR 142	4.0	5.0	4.7	4.7	5.7	6.3	7.0	5.3
SOX FAN (GM3)	4.3	5.7	6.7	5.3	5.7	4.3	5.3	5.3
DLF LGD-3026	5.0	5.3	5.3	4.7	5.3	5.3	5.3	5.2
ASPAIRE (IS-PR 489)	4.7	5.3	5.7	4.7	5.3	5.3	5.3	5.2
APR 2320	4.3	5.3	5.3	4.7	6.3	4.7	5.0	5.1
BANDALORE (IS-PR 463)	4.7	5.7	6.7	5.0	5.0	4.0	5.0	5.1
HANCOCK (IS-PR 479)	5.3	5.7	5.0	4.0	5.3	4.7	5.3	5.0
LTP-RAE	4.3	5.3	6.0	5.0	5.0	4.0	5.0	5.0
MACH I	4.7	5.0	4.3	4.3	5.3	5.0	6.3	5.0
INSIGHT	4.7	5.0	5.3	4.7	4.7	3.7	5.7	4.8
PSRX-4CAGL	4.7	5.0	4.0	4.3	4.7	5.0	5.7	4.8
SIENNA	4.3	5.7	6.3	3.7	3.7	3.7	3.7	4.4
LINN	3.3	4.0	4.0	2.3	3.0	3.0	3.7	3.3
LSD VALUE	5.1	2.3	2.1	2.3	2.9	2.0	2.4	1.3
C.V. (%)	22.9	12.5	17.8	18.6	19.1	19.8	19.1	11.4

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
2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG (TRAFFIC STUDY), VA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER SPRING	PERCENT LIVING GROUND COVER			QUALITY RATINGS							
		BEFORE TRAFFIC	MID-WAY TRAFFIC	AFTER TRAFFIC	MAR	MAY	JUN	JUL	AUG	SEP	NOV	MEAN
PST-204D	75.0	97.7	83.3	76.7	7.0	6.7	7.3	6.3	7.0	5.7	5.0	6.4
PST-2NKM	76.7	99.0	81.7	83.3	5.7	6.3	7.0	7.0	7.0	5.7	6.0	6.4
WICKED (SRX-4RHD)	66.7	96.0	76.7	73.3	6.3	6.7	7.0	6.7	7.3	6.0	4.7	6.4
STELLAR 3GL (PPG-PR 134)	78.3	97.7	78.3	78.3	5.3	6.0	6.7	6.0	8.3	5.7	6.0	6.3
2NJJK	66.7	97.7	85.0	80.0	5.0	6.0	6.7	6.3	7.3	6.3	6.0	6.2
HAVEN (APR 2038)	76.7	99.0	81.7	83.3	5.3	6.3	7.3	6.3	7.3	5.7	5.3	6.2
PST-2BNS	76.7	99.0	80.0	78.3	6.0	6.3	7.3	6.7	7.0	5.0	5.3	6.2
CL 11601	76.7	97.7	81.7	68.3	5.7	6.3	7.3	7.0	6.7	5.0	4.7	6.1
SIDEWAYS (PSRX-S84)	80.0	97.7	80.0	76.7	5.0	6.0	6.7	6.0	7.3	6.0	5.3	6.0
APR 2036	78.3	89.3	92.7	88.3	5.0	6.0	6.0	5.3	6.3	6.7	5.7	5.9
IS-PR 492	75.0	96.3	73.3	66.7	5.7	6.3	7.0	5.3	7.3	4.7	4.7	5.9
GRAND SLAM GLD (PPG-PR 164)	76.7	97.7	91.7	90.0	4.3	5.3	5.7	5.3	7.7	6.0	6.7	5.9
PST-2DR9	73.3	99.0	83.3	80.0	5.7	6.0	6.0	6.0	6.7	5.7	5.3	5.9
APR 2445	71.7	97.7	83.3	73.3	5.7	6.0	5.7	5.7	6.7	5.7	5.0	5.8
DOMINATOR (PST-2AG4)	76.7	96.3	83.3	76.7	6.0	6.0	5.7	4.7	6.7	5.7	5.7	5.8
PPG-PR 121	81.7	96.3	91.7	86.7	4.3	5.7	6.3	5.7	7.3	5.3	6.0	5.8
FASTBALL RGL (PPG-PR 133)	73.3	94.7	85.0	83.3	4.7	5.7	6.0	6.0	7.0	5.3	6.0	5.8
PPG-PR 143	75.0	96.0	91.7	86.7	4.7	5.7	5.7	5.3	6.7	6.7	5.7	5.8
PST-2ACR	80.0	96.3	81.7	73.3	5.0	5.7	6.3	5.7	7.7	5.3	4.7	5.8
SRX-4MSH	85.0	96.3	86.7	83.3	4.3	5.3	6.3	5.3	7.7	5.7	6.0	5.8
BAR LP 10970	75.0	96.3	88.3	78.3	5.3	5.3	5.7	5.3	7.3	6.3	4.7	5.7
EVOLUTION (S85)	80.0	97.7	70.0	63.3	5.0	6.0	6.3	5.7	7.0	5.3	4.7	5.7
LTP-PR 135	76.7	96.3	85.0	76.7	4.3	5.7	6.3	6.0	6.7	6.0	5.0	5.7
PICK 4DFHM	76.7	97.7	80.0	73.3	4.0	5.3	6.3	5.7	7.0	5.7	5.7	5.7
PREMIUM (PPG-PR 137)	81.7	96.3	76.7	78.3	5.3	5.7	6.0	5.7	6.3	5.3	5.7	5.7
PRX-4GM1	78.3	96.0	83.3	85.0	5.0	5.7	6.7	5.7	6.0	5.3	5.7	5.7
PST-2K9	81.7	97.7	83.3	63.3	5.0	6.0	7.3	5.3	7.3	4.7	4.3	5.7
BRIGHTSTAR SLT	71.7	99.0	81.7	55.0	5.7	5.7	5.3	5.0	7.0	5.7	4.7	5.6
DLF LGD-3022	70.0	93.3	75.0	58.3	5.7	6.3	6.3	5.3	6.3	4.7	4.3	5.6
GO-G37	73.3	97.7	78.3	80.0	5.3	5.7	5.0	5.7	6.3	5.3	6.0	5.6
ISG-31	76.7	93.0	80.0	75.0	5.7	5.3	5.3	5.3	6.3	5.7	5.3	5.6
KARMA (PICK 10401)	68.3	97.7	73.3	65.0	4.7	5.7	7.0	6.0	7.3	4.0	4.3	5.6
APPLE SGL (PPG-PR 140)	76.7	99.0	88.3	76.7	4.0	5.3	6.0	5.0	7.3	5.7	6.0	5.6
RAD-PR62	73.3	95.0	75.0	70.0	5.7	5.7	5.0	5.7	6.3	6.0	4.7	5.6
UNO	66.7	94.7	76.7	63.3	5.3	5.3	5.3	6.0	7.3	5.0	4.7	5.6
BAR LP 7608	68.3	99.0	78.3	60.0	4.7	5.7	6.0	5.7	7.3	4.7	4.7	5.5
CL 307	70.0	96.0	81.7	78.3	4.0	5.3	5.7	5.7	6.3	5.7	5.7	5.5
PROMINENT (CS-20)	73.3	91.7	65.0	68.3	6.7	6.0	5.0	4.3	6.3	5.3	4.7	5.5
PPG-PR 128	75.0	99.0	65.0	63.3	4.7	5.3	5.7	6.7	7.3	4.0	4.7	5.5
RINOVO	78.3	96.3	73.3	60.0	5.0	6.3	7.0	5.0	6.3	4.3	4.3	5.5
APR 2320	83.3	93.0	85.0	80.0	4.3	5.3	5.3	4.7	6.3	6.0	5.7	5.4
BAR LP 10972	60.0	94.7	81.7	76.7	5.3	5.0	4.3	5.0	6.7	6.0	5.3	5.4
ISG-30	80.0	94.7	80.0	78.3	5.3	5.7	4.7	5.3	6.3	5.3	5.0	5.4
MANHATTAN 6 GLR (PST-2MAGS)	76.7	96.3	76.7	63.3	5.3	5.3	5.7	4.7	7.0	4.7	5.3	5.4
OCTANE	86.7	96.0	75.0	60.0	5.0	5.7	6.0	5.0	7.0	4.7	4.7	5.4
PANGEA GLR (CL 11701)	71.7	94.7	83.3	66.7	4.0	5.3	6.0	5.7	6.3	5.7	4.7	5.4
PPG-PR 138	68.3	94.7	83.3	70.0	4.7	5.3	6.0	5.3	6.7	5.0	4.7	5.4

TABLE 14. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG (TRAFFIC STUDY), VA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER SPRING	PERCENT BEFORE TRAFFIC	PERCENT LIVING GROUND MID-WAY TRAFFIC	COVER AFTER TRAFFIC	MAR	MAY	JUN	QUALITY JUL	RATINGS AUG	SEP	NOV	MEAN
PST-2TQL	81.7	97.7	70.0	65.0	5.0	5.7	6.0	5.7	7.0	4.3	4.3	5.4
SR 4650 (PSRX-3701)	73.3	94.7	70.0	58.3	5.7	6.0	6.7	5.3	6.7	3.3	4.0	5.4
CS-PR66	65.0	96.3	80.0	66.7	5.0	5.0	4.7	5.7	6.7	5.0	5.3	5.3
STAMINA (IS-PR 487)	71.7	93.3	80.0	66.7	4.3	5.7	7.0	5.3	6.3	4.0	4.7	5.3
JR-192	81.7	94.7	80.0	73.3	4.3	5.7	7.0	5.3	6.0	4.3	4.7	5.3
PLAYOFF 2 (P02)	76.7	94.3	73.3	71.7	4.7	5.0	5.3	6.0	6.3	5.3	4.7	5.3
PPG-PR 136	76.7	96.3	81.7	71.7	4.7	5.3	5.0	5.0	6.7	5.3	5.0	5.3
PST-2MG7	80.0	97.7	70.0	55.0	4.7	5.3	5.7	4.3	7.3	5.7	4.3	5.3
BAR LP 10969	63.3	94.7	76.7	73.3	5.3	5.7	5.3	5.3	6.3	4.0	4.7	5.2
GO-DHS	71.7	94.7	76.7	76.7	5.3	5.3	4.3	4.3	6.7	5.0	5.3	5.2
GO-PR60	73.3	96.3	73.3	66.7	5.0	5.0	4.7	5.0	7.3	4.7	5.0	5.2
IS-PR 409	65.0	91.7	76.7	60.0	5.0	6.0	6.7	4.3	5.3	4.7	4.3	5.2
BANFIELD (IS-PR 491)	76.7	93.3	71.7	66.7	6.3	6.0	6.3	5.0	5.3	3.3	4.3	5.2
PALMER V	76.7	95.0	63.3	53.3	4.3	5.7	5.7	5.3	6.3	5.3	4.0	5.2
PPG-PR 165	73.3	94.7	78.3	68.3	5.0	5.3	5.7	5.0	7.0	4.3	4.3	5.2
RIO VISTA	83.3	93.0	66.7	63.3	6.0	5.7	6.0	5.3	5.7	4.0	4.0	5.2
A-35	75.0	94.7	63.3	51.7	5.7	5.7	5.3	5.0	6.3	3.7	4.0	5.1
JR-178	76.7	91.0	66.7	46.7	4.3	5.3	6.3	6.0	6.3	3.7	3.7	5.1
PIZZAZZ 2 GLR (PR 909)	73.3	88.3	76.7	56.7	5.0	5.7	6.3	6.0	5.0	3.7	4.0	5.1
PPG-PR 142	76.7	93.3	90.0	83.3	4.0	5.0	4.7	4.7	5.7	6.0	5.7	5.1
PILLAR (CST)	75.0	92.7	46.7	43.3	5.7	6.0	6.3	5.3	6.0	2.3	3.3	5.0
FIESTA 4	68.3	88.0	73.3	55.0	5.3	5.3	5.3	5.3	6.0	4.0	4.0	5.0
THRIVE (IS-PR 469)	76.7	93.3	73.3	68.3	4.7	5.0	5.3	5.0	6.0	4.7	4.3	5.0
HANCOCK (IS-PR 479)	75.0	90.0	81.7	73.3	5.3	5.7	5.0	4.0	5.3	4.3	5.3	5.0
IS-PR 488	76.7	92.7	75.0	56.7	4.7	5.3	6.0	5.7	6.7	3.3	3.7	5.0
BONNEVILLE	73.3	91.7	75.0	68.3	4.7	5.0	5.3	5.0	5.7	4.3	4.3	4.9
BANDALORE (IS-PR 463)	70.0	86.3	68.3	61.7	4.7	5.7	6.7	5.0	5.0	3.0	4.0	4.9
ASPAIRE (IS-PR 489)	76.7	91.3	80.0	73.3	4.7	5.3	5.7	4.7	5.3	4.0	4.3	4.9
ISG-36	71.7	90.0	68.3	53.3	4.7	5.0	4.7	4.0	7.0	5.0	4.0	4.9
RAD-PR55R	68.3	76.7	68.3	68.3	5.3	5.0	4.3	4.7	6.0	4.3	4.7	4.9
SOX FAN (GM3)	83.3	93.3	68.3	53.3	4.3	5.7	6.7	5.3	5.7	3.3	3.3	4.9
PINNACLE	63.3	93.0	65.0	51.7	5.3	5.3	5.0	5.0	5.3	3.7	3.7	4.8
ALLANTE	68.3	89.7	63.3	53.3	4.3	5.0	6.0	5.0	5.0	3.7	4.0	4.7
DLF LGD-3026	66.7	93.3	61.7	36.7	5.0	5.3	5.3	4.7	5.3	4.0	3.3	4.7
DLF LGT 4182	61.7	89.7	51.7	51.7	5.7	5.3	4.3	4.3	6.0	3.7	3.3	4.7
LTP-RAE	75.0	90.0	56.7	43.3	4.3	5.3	6.0	5.0	5.0	2.7	3.7	4.6
PSRX-4CAGL	70.0	85.0	86.7	75.0	4.7	5.0	4.0	4.3	4.7	5.0	4.7	4.6
INSIGHT	71.7	81.7	61.7	40.0	4.7	5.0	5.3	4.7	4.7	3.7	3.3	4.5
MACH I	66.7	90.0	68.3	38.3	4.7	5.0	4.3	4.3	5.3	2.7	3.3	4.2
SIENNA	76.7	76.7	50.0	43.3	4.3	5.7	6.3	3.7	3.7	2.7	3.0	4.2
LINN	50.0	60.0	48.3	36.7	3.3	4.0	4.0	2.3	3.0	1.7	2.3	3.0
LSD VALUE	25.8	11.2	44.3	40.5	5.1	2.3	2.1	2.3	2.9	2.2	3.0	1.1
C.V. (%)	12.1	6.5	19.4	25.6	22.9	12.5	17.8	18.6	19.1	24.6	24.8	10.9

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 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP (SAND DROUGHT STUDY), WA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PIZZAZZ 2 GLR (PR 909)	6.3	6.7	4.0	5.3	4.7	5.3	5.7	5.7	5.0	5.0	6.0	5.0	6.0	5.2
GRAND SLAM GLD (PPG-PR 164)	6.3	6.3	4.3	5.7	4.3	5.0	5.3	5.0	4.7	4.3	6.0	6.0	6.0	5.2
PPG-PR 136	6.0	6.3	4.0	5.0	4.7	5.3	5.3	5.0	5.0	5.0	5.3	6.0	5.7	5.1
CL 11601	6.3	7.0	3.7	5.0	5.3	5.3	5.0	5.0	4.7	4.7	5.7	5.7	5.3	5.0
EVOLUTION (S85)	7.0	7.0	4.3	5.0	4.7	4.7	4.7	5.0	5.0	4.7	5.3	6.3	5.7	5.0
ASPAIRE (IS-PR 489)	6.7	6.7	4.0	5.3	4.7	4.7	5.0	4.7	4.7	5.3	6.0	5.3	5.3	5.0
PST-2NKM	6.0	6.3	4.0	5.3	4.7	5.7	5.0	5.0	4.0	4.0	5.7	6.0	5.3	5.0
RINOVO	6.7	6.7	4.3	5.3	5.0	4.7	5.3	4.7	4.3	4.7	5.3	6.3	4.7	5.0
SIDEWAYS (PSRX-S84)	6.3	6.3	4.3	5.3	4.7	5.3	4.7	4.3	4.7	4.7	5.3	5.7	5.7	5.0
CL 307	6.0	6.3	4.0	5.0	4.7	4.3	5.0	5.3	4.7	5.7	4.7	5.0	5.7	4.9
BANDALORE (IS-PR 463)	6.3	6.3	4.3	5.0	4.3	4.3	4.7	5.0	4.7	4.7	5.7	6.0	5.3	4.9
RIO VISTA	6.7	6.7	4.0	5.3	4.7	4.3	5.0	5.0	5.0	4.3	5.0	6.3	5.3	4.9
APR 2445	6.7	7.3	4.0	5.7	5.0	5.0	4.7	4.7	4.3	4.3	4.7	5.7	5.3	4.8
BONNEVILLE	5.7	5.7	3.7	4.7	4.3	4.0	4.7	5.0	4.7	5.3	5.3	5.7	5.3	4.8
INSIGHT	5.7	6.0	4.0	5.0	4.7	5.0	4.3	5.3	5.0	4.0	4.7	5.3	5.0	4.8
IS-PR 488	7.0	6.3	3.7	5.3	5.0	5.0	5.0	4.7	4.7	4.0	5.3	5.7	4.7	4.8
OCTANE	6.3	6.3	3.7	4.7	4.3	4.0	4.7	5.0	5.0	5.0	5.3	5.7	5.3	4.8
FASTBALL RGL (PPG-PR 133)	6.0	6.7	4.0	4.7	5.0	4.7	5.0	4.3	4.0	5.3	5.3	5.7	5.3	4.8
PREMIUM (PPG-PR 137)	6.3	5.7	3.7	5.0	3.7	4.3	4.3	5.0	4.7	5.7	5.3	5.3	5.3	4.8
PPG-PR 138	6.7	6.3	3.7	5.3	5.0	5.0	4.7	5.0	4.7	4.7	4.7	5.3	5.0	4.8
PST-2MG7	6.3	6.3	4.0	5.0	5.0	5.0	4.3	4.0	4.7	4.3	5.3	5.3	5.7	4.8
SIENNA	5.7	5.7	3.7	5.0	4.7	4.0	4.3	5.3	4.7	5.0	5.3	5.3	5.0	4.8
SR 4650 (PSRX-3701)	6.0	6.3	4.0	5.0	4.7	4.7	5.3	5.0	4.3	4.7	4.7	5.3	5.0	4.8
IS-PR 409	6.7	6.3	4.0	5.0	4.3	5.0	4.3	4.7	4.3	4.0	4.7	6.3	5.0	4.7
THRIVE (IS-PR 469)	6.7	6.3	4.0	4.7	4.0	4.3	5.0	4.7	4.3	4.7	5.0	5.7	5.3	4.7
STAMINA (IS-PR 487)	5.7	5.7	4.0	4.7	4.0	4.0	4.3	5.0	4.7	5.3	5.3	5.0	5.3	4.7
IS-PR 492	6.7	6.0	4.0	4.7	4.3	4.0	4.7	4.7	4.7	4.0	4.7	6.3	5.3	4.7
ISG-30	7.7	6.7	4.3	5.0	4.7	4.3	4.7	4.0	4.0	4.7	4.7	6.0	5.3	4.7
MACH I	7.0	6.7	4.0	5.3	4.7	5.3	4.3	4.3	4.3	4.3	4.7	5.7	5.0	4.7
MANHATTAN 6 GLR (PST-2MAGS)	6.7	7.0	4.0	5.7	4.7	5.0	3.7	4.7	4.3	4.7	4.7	5.0	5.3	4.7
APPLE SGL (PPG-PR 140)	6.3	5.7	4.0	5.0	4.3	5.0	4.0	5.0	4.7	4.3	5.0	5.7	4.3	4.7
PRX-4GM1	6.3	6.0	4.0	5.0	4.3	4.0	4.7	4.7	4.7	3.7	4.7	6.7	5.0	4.7
PST-2ACR	6.3	6.0	4.3	5.0	4.7	4.3	4.3	4.3	4.3	4.0	5.3	5.7	5.3	4.7
PST-2BNS	6.0	5.7	3.3	4.7	4.0	4.3	4.7	5.3	4.7	5.3	5.3	4.7	5.0	4.7
CS-PR66	6.0	6.7	3.7	5.3	4.7	5.0	4.0	4.7	4.0	4.7	4.3	5.3	5.0	4.6
PPG-PR 121	6.0	6.3	4.0	5.3	4.3	4.7	4.3	4.3	4.7	4.0	5.0	5.7	4.7	4.6
PPG-PR 128	6.0	6.3	4.0	4.7	4.0	4.3	4.0	4.7	4.7	4.7	5.0	5.7	4.7	4.6
PPG-PR 142	6.3	5.7	4.0	5.0	4.3	4.3	4.7	4.3	4.3	5.0	4.3	5.7	5.0	4.6
PPG-PR 143	6.3	6.3	4.0	4.7	4.3	4.7	4.3	4.3	4.3	4.0	5.3	5.7	4.7	4.6
PPG-PR 165	6.0	5.3	4.0	4.3	4.0	4.0	4.7	4.7	4.7	5.0	5.0	5.7	5.0	4.6
PST-204D	5.7	6.0	3.3	5.0	4.7	4.7	4.3	4.0	5.0	4.7	4.7	5.0	5.0	4.6
PST-2DR9	6.0	6.0	3.7	4.3	4.7	4.7	4.0	4.7	4.7	4.7	5.3	5.0	5.3	4.6
RAD-PR55R	7.0	6.7	3.7	5.3	4.3	4.0	4.0	4.0	4.0	5.0	4.3	6.3	5.3	4.6
WICKED (SRX-4RHD)	6.7	6.7	4.0	5.0	4.3	4.7	4.7	4.7	4.0	4.7	4.7	5.0	5.0	4.6
A-35	7.7	6.7	4.0	5.0	4.0	4.3	4.3	4.0	4.0	4.7	4.7	5.3	5.7	4.5
APR 2036	6.7	6.7	4.0	5.0	4.7	5.0	3.7	4.7	4.3	4.0	4.7	5.0	5.0	4.5
BAR LP 10970	6.0	5.0	3.7	4.3	4.3	4.3	4.0	4.7	4.7	5.3	5.0	4.3	4.3	4.5

TABLE 15. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP (SAND DROUGHT STUDY), WA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
BAR LP 10972	6.3	5.3	3.3	4.3	4.3	5.0	4.0	4.3	4.3	5.0	5.0	5.0	5.0	4.5
BAR LP 7608	5.3	6.7	4.0	5.3	5.0	4.7	3.3	4.3	4.3	4.7	4.3	5.3	4.0	4.5
PILLAR (CST)	6.3	6.0	3.7	4.3	4.3	4.3	4.7	4.3	4.7	4.3	4.7	5.7	5.0	4.5
DLF LGD-3022	6.0	5.7	3.7	4.7	4.0	4.7	4.3	4.3	4.0	4.3	5.0	5.3	5.0	4.5
DOMINATOR (PST-2AG4)	6.3	5.7	4.0	5.0	4.3	5.3	4.3	4.7	4.0	4.3	4.3	5.3	4.3	4.5
HAVEN (APR 2038)	5.7	5.7	3.7	4.7	4.3	4.3	4.0	5.0	4.7	5.0	4.7	5.0	4.3	4.5
BANFIELD (IS-PR 491)	7.0	6.0	3.7	4.7	4.0	4.3	4.7	4.7	4.7	4.3	4.3	5.3	5.3	4.5
JR-178	6.3	5.3	3.7	4.0	4.3	4.3	4.7	5.0	4.3	4.0	4.7	5.3	5.0	4.5
KARMA (PICK 10401)	6.7	5.7	3.3	5.0	4.0	4.3	4.3	4.7	5.0	4.7	5.3	4.3	4.3	4.5
LTP-RAE	6.0	6.3	4.0	5.0	3.7	3.7	4.0	4.3	4.3	5.0	5.3	5.7	5.0	4.5
PANGEA GLR (CL 11701)	7.0	6.3	4.0	5.0	4.3	4.3	4.3	4.7	4.7	4.3	4.3	5.3	4.7	4.5
STELLAR 3GL (PPG-PR 134)	6.3	6.3	3.7	4.3	3.7	4.3	4.3	4.3	4.3	5.0	5.0	5.3	5.0	4.5
PSRX-4CAGL	6.7	6.7	3.7	5.0	4.3	4.3	5.0	4.3	4.3	4.0	4.7	4.7	5.0	4.5
SOX FAN (GM3)	6.3	5.7	4.0	4.3	4.3	4.0	4.7	4.3	3.7	4.7	4.7	5.7	4.7	4.5
UNO	6.0	6.3	3.7	5.0	4.7	4.7	4.3	4.7	4.0	4.3	4.7	5.3	4.7	4.5
2NJK	6.7	5.7	3.0	4.7	4.7	3.7	4.0	4.3	4.0	4.7	4.7	5.7	5.0	4.4
APR 2320	6.0	5.7	3.0	4.7	4.0	4.3	4.3	4.7	4.3	4.7	4.3	5.0	4.7	4.4
BAR LP 10969	6.0	5.7	3.7	4.7	4.3	4.7	4.0	4.3	4.0	4.3	4.3	5.3	4.3	4.4
DLF LGT 4182	6.3	6.7	4.0	5.0	4.3	4.0	4.0	4.3	4.3	4.3	4.3	5.0	4.3	4.4
GO-PR60	7.3	6.0	4.0	4.7	4.0	4.3	3.7	4.0	4.3	4.3	4.3	6.0	4.7	4.4
HANCOCK (IS-PR 479)	7.7	6.7	4.0	4.7	4.3	3.7	4.3	4.0	4.0	4.0	5.0	5.3	5.0	4.4
PALMER V	6.3	6.0	4.0	4.7	4.0	4.7	4.0	5.0	4.3	3.3	4.7	5.0	4.7	4.4
PST-2K9	6.0	6.0	4.0	4.7	4.7	4.0	3.7	4.3	4.3	4.3	4.7	4.3	5.0	4.4
SRX-4MSH	6.0	5.3	3.3	4.7	3.7	4.0	4.0	4.3	4.7	4.3	5.3	5.0	5.0	4.4
ALLANTE	5.7	5.3	3.3	4.3	4.0	4.0	3.7	4.0	4.7	4.7	4.7	5.7	4.7	4.3
PROMINENT (CS-20)	7.3	7.0	4.0	5.0	4.3	4.3	4.0	4.0	4.0	3.7	4.3	5.0	4.7	4.3
FIESTA 4	6.7	6.3	4.0	5.0	4.0	4.3	4.3	4.0	4.0	3.7	4.3	5.3	4.3	4.3
GO-G37	7.0	6.0	3.7	5.0	4.0	4.7	4.3	4.3	3.3	4.0	4.0	5.0	5.0	4.3
ISG-36	7.7	6.7	3.7	5.3	3.7	4.3	4.0	4.0	3.7	4.0	4.0	6.0	4.7	4.3
PICK 4DFHM	6.0	5.3	3.7	4.3	4.0	4.3	3.7	4.0	3.7	4.0	4.7	6.0	4.7	4.3
PST-2TQL	6.7	6.0	3.7	5.0	4.0	4.3	3.7	3.7	4.0	4.7	4.7	5.3	4.7	4.3
BRIGHTSTAR SLT	5.3	5.3	3.0	4.0	4.3	4.0	3.7	4.3	4.3	4.3	4.3	5.7	4.0	4.2
DLF LGD-3026	7.0	6.3	3.7	4.3	3.7	4.3	4.0	4.0	4.0	4.3	4.3	5.0	4.0	4.2
ISG-31	6.7	6.7	3.7	5.3	4.3	5.0	3.7	4.3	3.7	3.7	4.0	4.7	4.3	4.2
LTP-PR 135	6.0	5.7	3.7	4.7	3.7	4.3	4.3	4.0	4.0	4.3	4.3	4.3	5.0	4.2
PLAYOFF 2 (P02)	6.3	5.3	3.0	4.3	4.3	4.0	3.3	4.0	4.0	4.7	4.3	5.0	5.0	4.2
PINNACLE	4.7	6.0	3.0	4.7	4.3	4.0	3.3	4.7	3.7	4.0	4.3	4.7	4.0	4.1
RAD-PR62	6.3	5.3	3.3	4.7	3.7	3.7	4.7	4.0	4.0	4.3	4.0	4.7	4.0	4.1
GO-DHS	8.0	5.7	3.3	4.0	3.7	3.7	3.7	4.0	4.3	4.0	4.0	4.7	5.0	4.0
JR-192	7.0	5.0	3.0	4.0	4.0	4.0	4.3	4.0	4.0	4.3	3.7	4.7	4.0	4.0
LINN	5.0	5.7	3.0	4.3	4.0	3.7	3.3	4.3	4.0	4.0	4.0	6.0	3.3	4.0
LSD VALUE	0.9	2.6	0.8	2.3	2.6	3.0	1.4	1.8	2.3	1.6	1.6	3.6	1.8	0.7
C.V. (%)	8.2	13.1	10.5	13.1	14.9	17.2	15.0	13.7	14.1	14.4	14.0	16.3	14.1	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 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP (SAND DROUGHT STUDY), WA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT	FALL	MOWING QUALITY		RED THREAD RATINGS		
	COVER FALL	COLOR OCTOBER	JUNE	JULY	FEBRUARY	NOVEMBER	DECEMBER
PIZZAZZ 2 GLR (PR 909)	91.7	6.7	9.0	7.7	4.7	5.3	6.7
GRAND SLAM GLD (PPG-PR 164)	76.7	7.0	8.3	7.3	4.3	5.3	6.7
PPG-PR 136	80.0	7.0	8.3	7.7	4.3	5.3	6.3
CL 11601	80.0	6.3	7.7	7.0	4.3	5.7	6.3
EVOLUTION (S85)	83.3	7.0	6.7	7.3	4.3	6.3	6.7
ASPAIRE (IS-PR 489)	83.3	6.0	7.7	6.3	4.3	5.3	6.3
PST-2NKM	83.3	6.7	8.0	6.7	4.0	6.0	6.7
RINOVO	76.7	6.3	8.7	7.3	5.0	6.3	5.0
SIDEWAYS (PSRX-S84)	73.3	7.0	8.0	5.7	4.7	5.3	6.0
CL 307	86.7	7.0	9.0	8.7	4.0	5.0	6.0
BANDALORE (IS-PR 463)	81.7	7.0	7.7	7.7	4.7	5.3	6.3
RIO VISTA	80.0	6.7	7.7	6.7	4.3	5.7	5.3
APR 2445	70.0	7.3	6.3	6.0	5.0	5.3	5.3
BONNEVILLE	86.7	6.7	8.0	7.7	4.3	5.0	6.0
INSIGHT	76.7	6.3	8.7	9.0	3.3	5.0	5.3
IS-PR 488	80.0	6.7	8.3	7.0	3.3	5.3	4.3
OCTANE	80.0	6.7	7.7	7.7	4.0	5.0	5.3
FASTBALL RGL (PPG-PR 133)	80.0	6.3	8.3	6.7	4.3	5.3	6.0
PREMIUM (PPG-PR 137)	90.0	6.7	8.0	7.3	3.7	4.7	5.7
PPG-PR 138	86.7	7.3	8.0	7.3	3.3	4.3	4.7
PST-2MG7	76.7	7.0	6.3	6.3	4.0	5.0	6.0
SIENNA	83.3	6.3	8.7	8.7	3.0	5.0	5.0
SR 4650 (PSRX-3701)	86.7	6.7	8.7	7.0	4.3	5.0	6.3
IS-PR 409	73.3	7.0	6.7	6.7	4.0	5.7	5.7
THRIVE (IS-PR 469)	80.0	6.7	8.3	7.0	4.7	5.3	5.7
STAMINA (IS-PR 487)	86.7	6.3	8.7	8.3	4.0	4.7	5.7
IS-PR 492	80.0	6.7	8.7	7.3	4.0	5.3	6.0
ISG-30	76.7	8.0	5.3	4.7	4.3	6.0	5.7
MACH I	83.3	7.0	7.7	6.7	4.7	5.3	5.0
MANHATTAN 6 GLR (PST-2MAGS)	73.3	7.3	8.0	6.7	5.0	4.3	6.3
APPLE SGL (PPG-PR 140)	76.7	7.0	6.7	6.3	3.3	5.0	5.3
PRX-4GM1	66.7	6.3	5.0	5.0	4.3	6.3	6.0
PST-2ACR	70.0	7.0	6.7	6.0	4.0	5.7	6.3
PST-2BNS	86.7	6.3	8.3	8.7	3.3	4.0	5.0
CS-PR66	76.7	7.3	7.0	6.3	3.3	4.7	4.7
PPG-PR 121	80.0	6.7	8.3	6.3	4.0	5.7	5.7
PPG-PR 128	73.3	6.7	7.3	6.0	4.3	5.3	5.7
PPG-PR 142	80.0	6.7	8.3	6.7	4.0	5.0	5.3
PPG-PR 143	70.0	6.3	8.0	7.0	4.0	5.0	5.3
PPG-PR 165	83.3	7.0	8.0	7.3	3.3	5.7	5.7
PST-204D	83.3	6.3	7.3	7.3	3.0	5.0	6.0
PST-2DR9	76.7	7.0	6.7	6.3	3.3	5.0	6.3
RAD-PR55R	76.7	7.0	6.0	6.3	4.3	5.7	5.7
WICKED (SRX-4RHD)	76.7	7.0	8.3	7.0	4.3	4.7	6.0
A-35	76.7	8.0	7.0	7.0	4.7	4.7	6.0
APR 2036	63.3	7.0	8.0	7.0	4.3	5.3	6.0
BAR LP 10970	80.0	6.3	7.7	7.7	3.3	5.0	4.0

TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2010 NATIONAL PERENNIAL RYEGRASS TEST AT PUYALLUP (SAND DROUGHT STUDY), WA 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT COVER FALL	FALL COLOR OCTOBER	MOWING QUALITY JUNE	JULY	RED THREAD RATINGS		
					FEBRUARY	NOVEMBER	DECEMBER
BAR LP 10972	80.0	7.0	7.3	6.3	2.7	4.7	5.7
BAR LP 7608	86.7	6.0	6.7	6.7	4.3	5.0	4.3
PILLAR (CST)	80.0	6.7	7.7	6.7	3.7	5.7	5.0
DLF LGD-3022	76.7	6.3	7.7	6.3	4.0	4.3	5.0
DOMINATOR (PST-2AG4)	76.7	6.0	7.7	7.0	3.7	4.7	4.0
HAVEN (APR 2038)	83.3	6.0	7.7	7.7	3.3	5.3	5.0
BANFIELD (IS-PR 491)	76.7	7.0	8.3	7.0	3.7	5.3	6.7
JR-178	73.3	7.0	8.3	8.7	3.7	5.3	5.0
KARMA (PICK 10401)	85.0	6.7	8.7	7.7	3.0	5.3	5.0
LTP-RAE	80.0	6.7	9.0	8.7	3.3	5.0	5.0
PANGEA GLR (CL 11701)	73.3	7.0	8.0	6.3	4.0	4.7	5.3
STELLAR 3GL (PPG-PR 134)	71.7	6.7	8.3	7.3	3.0	5.0	5.3
PSRX-4CAGL	76.7	7.3	7.0	5.7	4.3	4.7	5.3
SOX FAN (GM3)	80.0	6.3	8.3	6.0	4.0	4.7	5.3
UNO	73.3	7.0	8.3	6.7	4.0	5.0	5.0
2NJK	76.7	7.0	5.7	5.0	3.3	5.0	5.0
APR 2320	80.0	7.0	8.3	8.0	2.7	5.0	5.7
BAR LP 10969	76.7	6.3	5.3	5.7	3.3	4.7	4.0
DLF LGT 4182	66.7	7.3	6.7	5.7	5.0	5.3	6.0
GO-PR60	80.0	7.7	6.7	7.0	4.0	5.3	4.7
HANCOCK (IS-PR 479)	73.3	7.3	8.0	6.7	5.0	5.3	6.0
PALMER V	73.3	6.7	8.0	6.7	4.7	5.0	5.0
PST-2K9	73.3	7.0	7.0	6.3	3.3	4.7	5.7
SRX-4MSH	76.7	6.3	7.3	6.3	3.3	4.7	5.0
ALLANTE	76.7	6.3	8.3	7.7	2.7	5.7	5.0
PROMINENT (CS-20)	63.3	8.0	4.3	4.0	4.3	5.0	6.0
FIESTA 4	70.0	6.7	6.7	6.3	4.0	5.0	5.3
GO-G37	70.0	7.7	6.0	4.7	4.0	5.0	4.7
ISG-36	70.0	8.0	6.3	5.0	3.7	6.3	5.0
PICK 4DFHM	76.7	6.3	6.0	5.3	3.7	5.7	5.0
PST-2TQL	71.7	6.7	7.0	6.3	3.0	5.7	5.0
BRIGHTSTAR SLT	73.3	6.0	7.0	7.0	3.0	4.7	4.7
DLF LGD-3026	66.7	6.7	4.0	3.7	4.7	5.0	4.7
ISG-31	63.3	7.3	4.3	4.0	4.0	4.0	4.7
LTP-PR 135	75.0	6.7	8.3	7.3	3.3	4.3	5.3
PLAYOFF 2 (P02)	83.3	7.0	5.3	5.3	3.0	5.0	5.0
PINNACLE	86.7	5.0	5.3	6.7	2.7	4.7	3.3
RAD-PR62	80.0	6.3	8.0	6.0	3.3	4.7	4.3
GO-DHS	70.0	8.0	5.3	5.3	3.3	5.7	5.3
JR-192	66.7	6.7	8.3	8.0	3.0	4.3	4.0
LINN	90.0	5.0	1.0	5.0	3.0	5.3	3.0
LSD VALUE	28.2	0.8	2.1	1.6	1.5	2.9	2.0
C.V. (%)	12.2	6.9	17.2	14.5	19.7	15.7	17.7

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 16.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT MADISON (TRAFFIC STUDY), WI 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT GREEN COVER			PERCENT BARE SOIL			QUALITY RATINGS						
	AUGUST	OCTOBER	NOVEMBER	AUGUST	OCTOBER	NOVEMBER	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
JR-178	83.3	97.7	90.0	4.3	1.7	3.0	6.0	5.7	4.0	6.3	6.3	6.0	5.7
PREMIUM (PPG-PR 137)	90.0	93.0	90.0	1.7	5.0	3.0	6.0	5.3	3.7	5.7	6.7	6.0	5.6
SR 4650 (PSRX-3701)	83.3	97.7	86.7	4.0	1.7	5.0	5.3	5.7	4.0	6.0	6.7	5.7	5.6
STAMINA (IS-PR 487)	86.7	97.7	88.3	3.0	1.7	2.0	5.7	5.3	3.3	6.0	6.0	6.0	5.4
PPG-PR 143	80.0	97.7	88.3	4.7	0.0	4.0	5.3	5.3	4.3	5.7	6.0	6.0	5.4
BAR LP 10970	78.3	91.3	85.0	5.0	3.3	4.0	5.7	5.7	3.3	5.3	6.0	5.7	5.3
FASTBALL RGL (PPG-PR 133)	83.3	96.3	91.7	3.0	3.3	4.0	5.3	5.7	2.7	6.0	6.3	5.7	5.3
GRAND SLAM GLD (PPG-PR 164)	80.0	94.7	85.0	2.7	1.7	4.0	4.7	5.0	4.0	5.7	6.7	5.7	5.3
SIDEWAYS (PSRX-S84)	83.3	91.7	91.7	2.0	3.3	3.0	5.0	5.0	3.7	5.7	6.3	6.0	5.3
UNO	83.3	93.3	88.3	1.7	3.3	5.7	5.3	5.3	3.7	5.7	6.7	5.3	5.3
ASPAIRE (IS-PR 489)	83.3	96.3	93.3	4.0	3.3	3.0	5.0	5.7	3.0	6.0	6.0	5.7	5.2
JR-192	78.3	93.0	88.3	1.7	5.0	3.0	5.7	5.3	3.0	5.7	6.3	5.3	5.2
KARMA (PICK 10401)	86.7	97.7	88.3	2.7	0.0	5.0	5.0	6.0	3.0	6.3	5.7	5.0	5.2
LTP-PR 135	83.3	93.7	81.7	2.7	3.3	6.7	5.3	5.3	3.3	6.0	6.0	5.0	5.2
LTP-RAE	81.7	96.0	86.7	4.0	1.7	6.7	4.7	5.3	3.7	6.0	6.3	5.0	5.2
PANGEA GLR (CL 11701)	76.7	94.7	91.7	5.7	5.0	4.0	5.7	5.3	2.7	5.3	6.0	6.0	5.2
PPG-PR 136	85.0	93.3	86.7	2.7	3.3	3.0	5.0	5.7	3.0	6.7	6.0	4.7	5.2
PPG-PR 138	83.3	97.7	88.3	3.0	0.0	4.0	5.7	5.3	4.0	5.0	5.3	5.7	5.2
PPG-PR 165	83.3	94.7	88.3	4.0	1.7	4.0	5.0	5.3	3.3	5.7	6.7	5.3	5.2
BAR LP 10972	81.7	93.0	88.3	9.0	3.3	5.0	4.7	5.7	3.7	6.0	5.7	5.0	5.1
THRIVE (IS-PR 469)	78.3	96.3	91.7	5.0	0.0	4.0	5.0	5.3	3.7	5.3	6.0	5.3	5.1
PLAYOFF 2 (P02)	86.7	96.3	88.3	4.0	1.7	5.7	4.7	5.0	3.7	6.0	6.0	5.3	5.1
APPLE SGL (PPG-PR 140)	76.7	96.3	80.0	10.0	3.3	5.0	5.0	5.0	4.0	5.0	6.0	5.3	5.1
PST-2NKM	86.7	93.3	88.3	3.0	1.7	4.0	5.3	6.0	2.7	6.0	5.7	5.0	5.1
WICKED (SRX-4RHD)	80.0	93.3	90.0	4.0	5.0	5.0	5.0	5.3	3.7	5.3	6.0	5.3	5.1
CL 307	83.7	96.3	83.3	2.0	1.7	4.0	4.7	5.0	3.7	5.7	6.0	5.0	5.0
DLF LGD-3022	81.7	97.7	83.3	4.3	1.7	5.7	4.7	5.7	3.7	5.7	5.7	4.7	5.0
DLF LGD-3026	81.7	96.3	88.3	7.0	3.3	4.0	5.3	5.0	3.3	5.0	6.0	5.3	5.0
BANDALORE (IS-PR 463)	83.3	97.7	85.0	5.3	1.7	4.7	4.7	4.7	3.7	5.7	6.3	5.0	5.0
PST-2BNS	81.7	96.3	93.3	5.3	1.7	3.0	4.7	4.7	3.3	5.7	5.7	6.0	5.0
2NJK	83.3	94.7	80.0	6.3	1.7	5.0	4.3	5.3	2.7	5.7	6.3	5.3	4.9
ALLANTE	80.0	93.3	86.7	5.7	3.3	5.7	5.0	5.3	3.3	5.3	5.7	4.7	4.9
BAR LP 10969	78.3	88.3	85.0	8.3	5.0	5.0	5.7	5.0	3.0	5.3	5.7	4.7	4.9
CL 11601	83.3	97.7	93.3	4.0	1.7	4.0	4.7	5.0	3.3	5.0	6.3	5.3	4.9
PILLAR (CST)	80.0	94.7	86.7	4.7	1.7	6.7	5.0	5.7	3.0	4.7	6.3	5.0	4.9
EVOLUTION (S85)	81.7	92.7	86.7	5.3	3.3	5.7	4.7	5.3	3.0	5.3	6.0	5.0	4.9
IS-PR 488	85.0	62.7	81.7	4.7	5.0	9.0	5.0	5.0	2.7	6.0	6.0	5.0	4.9
IS-PR 492	78.3	94.7	88.3	3.0	3.3	6.7	4.7	4.7	2.7	6.0	6.3	5.0	4.9
MANHATTAN 6 GLR (PST-2MAGS)	80.0	94.7	85.0	6.7	5.0	4.7	5.0	5.7	2.3	5.3	5.7	5.3	4.9
OCTANE	76.7	91.3	90.0	8.3	6.7	5.7	5.0	4.7	3.3	5.3	6.0	5.0	4.9
PIZZAZZ 2 GLR (PR 909)	85.0	93.3	90.0	2.3	6.7	2.0	5.0	4.7	3.3	5.7	6.0	5.0	4.9
PPG-PR 142	81.7	94.7	83.3	10.7	5.0	6.7	4.7	4.7	3.3	5.3	6.3	5.0	4.9
PRX-4GM1	81.7	96.3	93.3	5.7	3.3	3.0	5.3	5.3	2.7	4.7	5.7	5.7	4.9
PST-2ACR	65.0	96.3	95.0	10.7	1.7	3.0	4.7	4.7	3.7	5.7	5.7	5.3	4.9
PST-2K9	80.0	91.3	90.0	3.0	3.3	4.7	4.7	5.0	3.0	5.7	5.7	5.3	4.9
BAR LP 7608	80.0	93.3	88.3	8.3	1.7	4.0	4.7	5.7	3.3	4.7	5.3	5.0	4.8
BRIGHTSTAR SLT	78.3	93.3	83.3	8.3	3.3	9.0	5.0	5.3	3.0	5.3	5.7	4.3	4.8

TABLE 16. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2010 NATIONAL PERENNIAL RYEGRASS TEST AT MADISON (TRAFFIC STUDY), WI 1/
2012 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT GREEN COVER			PERCENT BARE SOIL			QUALITY RATINGS						
	AUGUST	OCTOBER	NOVEMBER	AUGUST	OCTOBER	NOVEMBER	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
GO-PR60	83.3	93.0	83.3	3.0	3.3	4.7	5.0	4.7	3.3	5.7	6.0	4.3	4.8
PPG-PR 121	85.0	93.3	80.0	2.7	5.0	6.7	4.7	4.3	3.3	5.0	6.3	5.3	4.8
PST-2MG7	83.3	94.7	88.3	4.7	3.3	6.3	4.7	4.0	2.7	5.3	6.3	5.7	4.8
PST-2TQL	78.3	91.3	88.3	7.3	5.0	7.3	5.3	4.3	2.7	5.7	6.0	4.7	4.8
SRX-4MSH	78.3	96.3	90.0	5.0	1.7	2.0	5.3	4.3	2.3	5.7	5.7	5.7	4.8
BONNEVILLE	73.3	93.3	88.3	4.0	3.3	5.7	4.3	5.0	2.7	5.3	6.0	4.7	4.7
IS-PR 409	78.3	95.0	85.0	5.7	3.3	7.3	4.7	5.3	3.0	5.0	5.7	4.7	4.7
BANFIELD (IS-PR 491)	78.3	93.0	90.0	8.3	3.3	4.0	4.7	5.0	2.7	6.0	5.3	4.7	4.7
RIO VISTA	76.7	97.7	91.7	8.3	5.0	5.7	5.0	4.7	3.0	5.0	5.7	4.7	4.7
SIENNA	76.7	93.3	86.7	5.0	5.0	8.3	4.7	4.0	3.7	5.3	5.3	5.0	4.7
SOX FAN (GM3)	76.7	90.0	88.3	8.3	3.3	3.0	4.3	4.7	3.0	5.0	5.7	5.3	4.7
APR 2036	85.0	93.0	88.3	6.3	9.3	6.7	5.0	4.7	2.3	5.0	5.7	5.0	4.6
APR 2445	78.3	91.7	91.7	6.7	3.3	3.0	4.7	5.0	2.3	5.3	5.3	4.7	4.6
CS-PR66	78.3	88.3	91.7	7.3	1.7	4.0	5.7	4.7	2.3	4.7	5.3	5.0	4.6
INSIGHT	76.7	93.3	88.3	7.3	5.0	4.0	4.7	4.3	3.3	5.3	5.3	4.3	4.6
LINN	81.7	86.3	80.0	3.0	11.7	13.3	3.7	5.0	2.7	5.0	5.7	5.7	4.6
MACH I	83.3	90.0	86.7	5.7	3.3	5.0	5.0	4.0	3.0	5.7	5.7	4.3	4.6
PALMER V	81.7	93.3	93.3	5.7	3.3	4.0	4.7	5.0	2.7	4.7	5.7	5.0	4.6
STELLAR 3GL (PPG-PR 134)	73.3	96.3	85.0	6.3	1.7	6.7	4.7	4.7	2.3	5.7	5.7	4.7	4.6
APR 2320	73.3	88.3	86.7	3.0	5.0	7.3	5.3	4.3	2.3	4.3	5.7	4.3	4.4
DOMINATOR (PST-2AG4)	76.7	90.0	90.0	5.7	3.3	6.7	4.7	5.0	2.0	5.0	5.3	4.3	4.4
HAVEN (APR 2038)	71.7	88.3	86.7	5.7	5.0	5.7	5.3	4.7	2.3	4.3	5.0	4.7	4.4
HANCOCK (IS-PR 479)	80.0	90.0	91.7	5.0	5.0	4.0	4.7	4.7	2.7	5.0	5.3	4.0	4.4
ISG-31	76.7	91.3	91.7	4.7	3.3	5.0	5.0	5.0	2.7	4.0	5.7	4.3	4.4
PPG-PR 128	76.7	90.0	90.0	7.3	10.0	6.7	4.3	4.3	2.7	5.0	5.7	4.7	4.4
PST-204D	78.3	90.0	90.0	5.7	5.0	6.7	5.0	4.7	2.7	4.7	4.7	4.7	4.4
A-35	78.3	88.3	86.7	5.7	3.3	6.7	5.3	4.3	2.0	4.0	5.7	4.7	4.3
PICK 4DFHM	80.0	90.0	93.3	7.3	3.3	4.0	5.3	4.0	2.0	4.0	5.3	5.0	4.3
FIESTA 4	80.0	90.0	86.7	7.3	3.3	7.3	4.3	4.0	3.3	4.7	5.0	4.0	4.2
PINNACLE	73.3	86.7	83.3	8.7	6.7	11.7	4.7	4.7	2.0	4.0	5.3	4.3	4.2
PSRX-4CAGL	78.3	90.0	86.7	10.0	5.0	8.3	5.3	4.7	2.0	3.7	4.7	4.7	4.2
PST-2DR9	81.7	93.0	86.7	4.7	1.7	6.7	4.3	4.7	2.0	4.7	5.0	4.7	4.2
RINOVO	76.7	88.3	85.0	5.7	6.7	8.3	5.3	4.7	2.0	4.3	5.0	3.7	4.2
PROMINENT (CS-20)	76.7	90.0	90.0	8.3	3.3	3.0	4.3	4.3	2.0	3.7	5.7	4.3	4.1
GO-G37	65.0	88.3	86.7	10.7	6.7	6.7	4.7	3.7	1.7	4.3	5.7	4.3	4.1
ISG-30	70.0	86.3	75.0	5.7	5.0	14.0	4.3	4.0	2.3	4.3	5.7	3.7	4.1
RAD-PR62	78.3	91.7	90.0	8.3	3.3	4.0	4.3	4.3	2.0	4.3	5.7	4.0	4.1
ISG-36	68.3	86.7	76.7	13.3	6.7	12.3	4.3	4.0	2.3	3.7	5.3	4.3	4.0
GO-DHS	75.0	91.7	91.7	11.7	5.0	6.7	4.7	4.0	2.3	3.7	4.7	4.3	3.9
RAD-PR55R	75.0	91.7	90.0	11.7	3.3	5.0	4.3	3.7	2.0	4.3	5.0	4.0	3.9
DLF LGT 4182	65.0	76.7	83.3	7.3	5.0	8.3	4.7	4.7	1.3	3.7	5.0	3.7	3.8
LSD VALUE	32.7	22.3	38.1	10.6	15.9	12.3	2.3	2.2	2.0	1.5	3.8	1.5	1.0
C.V. (%)	10.2	7.9	8.5	66.6	99.8	67.4	13.9	16.4	29.0	15.5	14.5	14.4	10.6

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

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