

TABLE 1. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 2016 NATIONAL PERENNIAL RYEGRASS TEST AT STORRS, CT 1/ 2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS						MEAN
			APR	MAY	JUN	JUL	AUG	OCT	
ZOOM 2 (DLFPS-236/3545)	7.3	6.7	6.7	7.7	7.0	6.3	5.7	6.0	6.6
PL2	8.0	6.0	6.7	7.7	6.7	6.3	5.0	6.0	6.5
PPG-PR 422	7.7	6.7	7.0	7.3	6.3	6.7	5.0	5.7	6.4
02BS2	6.7	5.7	7.3	7.0	5.7	6.0	5.0	6.7	6.3
PHARAOH	6.3	7.3	8.0	7.3	6.3	5.7	5.0	5.3	6.3
PPG-PR 421	7.3	5.0	6.7	7.0	7.0	5.0	6.0	6.3	6.3
SHIELD (02BS4)	6.0	6.0	7.0	6.7	6.0	6.3	4.5	6.3	6.3
STELLAR 4GL (PPG-PR 424)	6.7	6.3	7.3	6.3	6.3	5.7	5.0	6.3	6.3
HOMERUN LS (PPG-PR 419)	5.7	6.3	7.7	7.0	6.3	5.7	5.0	5.7	6.2
PPG-PR 367	7.3	7.0	7.0	7.0	6.7	5.3	5.7	5.7	6.2
ALLOY (RRT)	7.3	7.0	6.7	6.3	6.3	6.3	4.7	6.0	6.1
NP-3	6.7	6.3	6.3	6.3	6.7	6.3	4.7	6.3	6.1
PPG-PR 360	6.7	5.3	6.7	7.3	7.0	5.7	4.3	5.7	6.1
PPG-PR 372	6.7	6.0	6.0	7.0	6.3	5.7	5.3	6.3	6.1
PPG-PR 423	7.0	6.3	6.3	7.3	6.0	5.7	5.5	5.3	6.1
PST-2FOXY	7.7	6.0	7.0	7.0	6.0	5.3	4.5	6.0	6.1
02BS1	7.0	6.7	7.0	6.7	6.3	5.3	4.0	5.7	6.0
CPN	7.0	6.3	7.0	6.7	6.7	5.7	4.3	5.7	6.0
DLFPS-236/3552	7.3	6.3	7.0	6.0	6.7	5.3	4.5	5.7	6.0
GATOR FORE (DLFPS-236/3544)	6.3	7.0	7.3	6.7	6.0	5.3	5.0	5.7	6.0
PST-2BDT	7.0	5.3	7.0	6.7	6.0	5.7	5.7	5.0	6.0
DLFPS-236/3540	7.3	6.7	7.0	6.7	6.3	5.3	5.0	5.0	5.9
HELIOS (DLFPS-236/3538)	5.7	5.3	5.7	6.3	6.3	6.0	4.5	6.0	5.9
JR-197	6.3	6.7	7.3	6.3	6.3	6.0	4.3	5.3	5.9
NP-2	7.3	6.0	6.3	6.7	6.0	5.3	4.0	6.0	5.9
PARADOX GLR (PPG-PR 331)	7.3	6.0	6.0	6.3	6.0	5.7	4.5	6.0	5.9
PPG-PR 371	7.0	5.3	6.0	6.3	5.7	6.0	4.5	6.0	5.9
SLIDER LS (PPG-PR 241)	7.7	6.0	6.7	6.7	6.3	5.7	4.7	5.3	5.9
DLFPS-236/3546	7.0	5.7	5.3	7.0	6.3	6.0	4.3	6.0	5.8
IVY (PST-2GTD)	6.7	5.7	6.3	6.7	6.0	5.0	4.5	5.7	5.8
OVERDRIVE 5G	5.0	6.0	6.0	6.0	5.7	6.0	5.0	6.0	5.8
PPG-PR 370	6.0	5.3	6.0	7.0	6.0	5.3	4.0	5.7	5.8
PR-6-15	6.7	5.3	5.7	7.0	6.3	5.7	4.3	5.7	5.8
PST-2A2	5.7	5.7	6.0	6.3	6.7	5.3	4.5	5.7	5.8
SIGNET	6.0	7.0	7.3	6.0	5.7	5.3	5.3	5.3	5.8
SPIKE GLS (UF3)	7.0	6.3	5.7	7.3	6.3	5.3	5.0	5.3	5.8
SR 4700 (DLFPS-236/3543)	7.0	5.7	6.0	6.7	6.3	6.0	4.3	5.7	5.8
SUPERSTAR GL (PPG-PR 420)	7.7	6.0	6.0	6.3	6.3	6.0	4.0	5.7	5.8
023	5.0	6.0	6.0	7.0	5.7	5.3	4.0	5.3	5.7
JR-123	6.3	6.0	6.3	6.7	5.7	5.3	4.7	5.3	5.7
PPG-PR 385	5.7	5.7	6.3	6.7	6.7	5.0	4.0	5.0	5.7
PST-2MAY	6.3	6.0	6.7	6.7	6.0	5.3	4.3	5.3	5.7
SR 4650	6.0	6.3	6.3	6.7	5.3	5.7	4.3	5.7	5.7
BAR LP 6117	7.0	5.7	5.7	7.0	5.3	5.0	5.0	5.3	5.6
DLFPS-236/3548	6.0	4.7	5.3	6.3	6.0	6.0	3.0	5.7	5.6
FURLONG (LTP-FCB)	7.7	7.0	6.7	6.0	5.3	5.7	4.0	5.3	5.6
GRAY WOLF (PST-2GAL)	6.0	6.0	5.7	6.7	6.0	5.3	4.0	5.0	5.6

TABLE 1.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT STORRS, CT 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	OCT		
KARMA	6.7	5.3	6.3	5.7	5.7	5.3	5.3	5.3	5.6	
MIGHTIER (DLFPS-236/3542)	6.3	5.0	5.7	6.0	5.7	5.3	4.5	6.0	5.6	
MYSTIQUE (DLFPS-236/3547)	6.3	6.3	6.0	6.3	5.0	5.7	4.0	6.0	5.6	
PST-2PDA	5.0	6.7	6.3	6.7	5.7	5.3	4.3	5.7	5.6	
SEABISCUIT	6.3	6.7	6.7	6.0	6.0	5.3	4.7	5.7	5.6	
SLUGGER 3GL (PPG-PR 343)	6.7	5.3	5.7	6.7	5.0	5.3	5.3	5.3	5.6	
XCELERATOR	6.0	5.3	5.3	6.3	5.7	5.3	4.0	6.3	5.6	
BAR LP 6233	5.7	5.3	6.0	6.3	5.7	5.0	5.0	5.0	5.5	
DERBY XTREME	7.7	5.3	5.7	6.0	5.7	5.3	4.5	5.7	5.5	
FIESTA CINCO (DLFPS-236/3554)	6.3	5.0	5.0	6.0	6.0	5.7	3.0	6.0	5.5	
MAN O WAR	7.0	6.0	5.7	7.0	6.0	5.0	4.0	5.0	5.5	
PR-5-16	5.3	5.7	6.0	6.3	5.7	5.3	4.3	5.3	5.5	
021	6.7	5.7	6.0	5.7	6.0	5.3	4.3	5.3	5.4	
ALLSTAR III	6.0	5.7	5.7	7.0	6.0	5.0	3.7	5.0	5.4	
APPLE 3GL (PPG-PR 339)	6.3	6.3	5.7	5.7	6.0	5.7	4.3	5.0	5.4	
DLFPS-236/3550	6.0	5.7	6.3	6.0	6.0	4.7	4.3	5.3	5.4	
DLFPS-236/3553	6.3	6.3	5.7	6.0	6.0	5.3	4.7	5.0	5.4	
DLFPS-236/3556	7.0	6.3	6.3	6.0	6.0	5.3	4.3	4.7	5.4	
INTENSE	7.0	6.3	6.0	6.3	6.0	5.0	3.7	5.3	5.4	
PARAGON 2 GLR (FP2)	7.0	6.3	6.0	6.7	5.0	5.0	5.0	4.7	5.4	
APR2616	6.7	5.7	6.3	6.0	6.0	5.0	3.7	5.0	5.3	
ASP0117 (A-PR15)	7.7	5.3	5.7	7.0	4.7	5.0	4.0	4.7	5.3	
BAR LP 6165	4.0	6.0	5.3	6.0	5.7	4.3	4.5	5.7	5.3	
EVOLVE	6.0	5.7	6.0	6.0	5.3	4.7	4.0	5.7	5.3	
FASTBALL 3GL (PPG-PR 329)	6.3	6.7	6.3	6.3	5.0	5.0	4.3	5.0	5.3	
LPB-SD-101	4.3	4.7	5.3	6.3	6.3	5.3	2.5	4.7	5.3	
LPB-SD-102	6.3	5.0	5.0	6.3	6.0	5.0	3.5	5.3	5.3	
UMPQUA	6.7	5.0	5.0	6.0	6.0	5.0	4.0	5.7	5.3	
ASP0118GL (A-4G)	7.0	5.3	4.7	6.0	6.3	5.0	3.5	5.0	5.2	
BAR LP 6164	6.0	6.7	5.3	6.3	5.3	5.0	4.0	5.3	5.2	
BRIGHTSTAR SLT	5.3	5.3	5.7	6.7	5.0	5.0	4.3	4.7	5.2	
GO-141	7.3	5.7	5.7	6.3	5.0	4.7	4.3	5.3	5.2	
JR-888	5.7	5.0	5.3	5.7	6.3	5.0	4.0	5.0	5.2	
MENSA	5.3	5.3	5.0	6.0	5.7	5.3	3.3	5.7	5.2	
ALLSTAR FORE (DLFPS-236/3541)	7.0	5.3	5.0	6.0	5.7	4.7	4.0	5.0	5.1	
APR2612	7.3	4.7	5.0	6.7	6.3	4.7	3.7	4.3	5.1	
APR3060	6.3	5.0	6.0	6.3	4.7	4.7	4.0	4.7	5.1	
ASP0218 (A-6D)	7.3	5.7	5.3	6.0	5.3	4.7	3.5	5.0	5.1	
BAR LP 6131	6.0	5.0	5.0	6.3	5.3	4.3	4.3	5.0	5.1	
BAR LP 6158	6.0	5.3	5.0	6.3	5.3	4.3	4.3	5.0	5.1	
BAR LP 6159	5.7	6.0	5.7	6.0	5.7	4.3	4.7	4.3	5.1	
BELIZE 2 (GO-142)	6.7	5.3	4.7	6.0	5.0	5.0	4.5	5.3	5.1	
DLFPS-238/3014	5.7	5.3	5.7	5.7	5.3	5.0	4.5	4.3	5.1	
JR-747	5.7	4.0	5.0	6.3	6.0	4.7	3.5	4.7	5.1	
ASP0116EXT	8.3	6.7	4.7	6.7	5.0	5.0	4.0	4.3	5.0	
CS-6	7.0	5.3	5.7	5.7	5.0	4.3	4.3	5.0	5.0	
GRAND SLAM GLD	5.7	5.7	5.3	5.3	5.3	5.0	4.0	4.7	5.0	

TABLE 1. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT STORRS, CT 1/
 2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS						
			APR	MAY	JUN	JUL	AUG	OCT	MEAN
GRAY HAWK (PST-2FIND)	6.7	5.7	5.7	5.3	5.0	4.3	4.0	5.0	4.9
GREEN SUPREME+ (AMP-R1)	7.3	5.7	5.3	5.7	5.3	4.7	3.3	5.0	4.9
LPB-SD-104	6.7	4.7	5.0	5.7	6.3	5.0	2.5	3.7	4.9
SAVANT	5.0	4.7	4.7	6.0	6.0	4.3	3.3	5.0	4.9
SILVER SPORT (PST-2CRP)	7.0	6.3	5.0	5.7	5.0	4.3	4.0	5.0	4.9
TEE-ME-UP (BSP-25)	9.0	5.3	4.7	5.7	5.3	4.3	4.0	5.0	4.9
FIREBALL (BWH)	8.3	5.3	5.3	6.3	4.7	4.3	3.0	4.3	4.8
NEXUS GT (SNX)	7.7	5.7	5.3	5.0	5.0	4.7	4.0	5.0	4.8
PST-2EGAD	5.7	5.7	6.0	5.0	5.0	4.3	3.7	5.0	4.8
RAD-PR 112	8.3	6.3	5.3	5.7	4.7	4.3	4.0	5.0	4.8
CAYMAN (GO-143)	7.0	4.7	4.7	5.3	5.0	4.3	4.0	4.7	4.7
LPB-SD-103	6.0	5.0	5.0	5.7	5.3	4.7	2.7	4.7	4.7
MRS�-PR15	7.7	5.7	4.7	5.7	5.0	4.7	4.0	4.0	4.7
MRS�-PR16	6.7	6.0	4.7	6.0	4.7	4.3	3.7	4.7	4.7
PEPPER II (RAD-PR 103)	7.7	5.7	5.3	6.3	4.3	4.3	3.7	4.3	4.7
HATRICK (BSP-17)	8.7	5.7	5.0	5.3	4.7	4.7	3.7	4.0	4.6
SAGUARO	5.3	4.3	4.3	6.0	5.0	4.3	2.0	4.0	4.5
LPB-SD-105	5.0	4.0	4.3	6.0	6.0	3.7	2.0	3.7	4.4
BAR LP 6162	5.7	4.7	4.3	5.3	4.3	4.0	3.7	4.3	4.3
LINN	3.0	5.3	3.3	4.7	3.0	3.3	2.7	3.3	3.4
LSD VALUE	1.4	1.5	1.9	3.2	1.6	1.2	1.4	1.2	0.8
C.V. (%)	13.0	13.6	16.6	14.4	13.8	12.4	16.6	12.5	8.9

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

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

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
BAR LP 6165	6.3	7.0	6.7	6.3	7.3	6.0	6.0	6.7	7.7	6.7
DLFPS-238/3014	7.3	6.3	7.3	7.7	7.0	5.0	5.7	6.3	7.3	6.6
RAD-PR 112	7.0	6.3	6.7	8.3	6.0	5.7	6.0	6.0	7.3	6.6
SEABISCUIT	6.0	7.3	7.3	8.0	6.3	5.0	5.3	6.0	7.3	6.5
BAR LP 6233	7.0	6.7	6.3	7.0	6.3	5.7	5.3	6.0	8.0	6.4
PST-2EGAD	6.7	7.0	6.0	7.0	5.3	5.3	5.3	6.7	7.3	6.1
GRAY WOLF (PST-2GAL)	7.3	6.7	5.7	6.3	6.7	5.3	5.3	6.0	6.7	6.0
PEPPER II (RAD-PR 103)	7.0	6.0	7.3	7.3	6.3	4.7	4.7	5.3	6.3	6.0
UMPQUA	8.0	7.0	5.7	7.0	6.7	5.0	5.0	6.0	7.0	6.0
APR3060	7.0	6.7	6.7	7.3	5.7	5.0	5.3	5.3	6.0	5.9
BAR LP 6158	7.3	6.0	6.3	7.3	6.3	4.7	4.3	5.3	6.3	5.8
GRAY HAWK (PST-2FIND)	6.0	7.0	6.3	7.3	6.0	5.0	4.7	5.0	6.3	5.8
IVY (PST-2GTD)	6.3	7.3	6.7	7.7	6.7	4.0	4.3	5.3	6.0	5.8
SILVER SPORT (PST-2CRP)	6.7	6.3	6.3	6.7	7.0	4.0	4.7	4.7	7.0	5.8
APPLE 3GL (PPG-PR 339)	6.0	6.7	6.0	7.3	6.3	4.3	4.3	5.3	6.0	5.7
MAN O WAR	6.7	7.7	6.3	7.3	6.3	4.3	4.3	5.3	6.0	5.7
PST-2PDA	6.0	6.3	6.7	6.3	5.7	4.7	5.3	5.0	6.3	5.7
SPIKE GLS (UF3)	6.3	6.0	5.3	7.0	6.7	5.0	4.7	5.7	5.7	5.7
TEE-ME-UP (BSP-25)	6.7	6.3	6.7	7.7	6.3	5.0	4.0	5.0	5.3	5.7
XCELERATOR	7.0	5.3	6.0	7.3	5.7	4.7	5.0	5.3	6.0	5.7
BAR LP 6117	6.0	6.3	6.3	6.7	5.7	4.7	4.3	5.3	6.3	5.6
BAR LP 6159	6.3	6.3	6.0	7.3	6.0	4.3	4.0	5.3	6.0	5.6
HELIOS (DLFPS-236/3538)	6.7	7.0	5.7	6.0	6.3	4.7	4.7	5.3	6.3	5.6
HOMERUN LS (PPG-PR 419)	6.3	6.3	6.0	7.0	6.3	4.7	4.0	5.0	6.3	5.6
MRS1-PR16	6.0	5.3	6.7	6.3	6.3	5.0	3.3	5.7	6.0	5.6
NEXUS GT (SNX)	6.3	6.7	6.7	7.3	6.3	4.3	4.0	5.0	5.3	5.6
PHARAOH	6.3	7.3	6.3	7.3	6.7	4.7	4.0	4.3	5.7	5.6
PPG-PR 421	8.0	7.0	6.0	6.7	6.7	4.3	4.7	4.7	6.0	5.6
ZOOM 2 (DLFPS-236/3545)	6.0	6.7	5.7	7.3	6.3	4.7	4.0	5.0	6.0	5.6
02BS1	6.7	6.3	5.7	6.7	6.7	4.7	5.0	4.7	5.3	5.5
ASP0118GL (A-4G)	6.3	7.0	6.3	7.3	6.3	4.3	4.3	4.3	5.3	5.5
BAR LP 6164	7.0	6.7	7.0	7.3	6.0	4.0	4.0	4.7	5.3	5.5
EVOLVE	6.3	5.7	6.7	7.3	6.0	4.0	3.7	5.0	5.7	5.5
PL2	7.0	6.7	6.3	6.7	6.7	4.0	4.0	5.0	6.0	5.5
PPG-PR 423	6.7	6.7	5.3	6.7	6.3	3.7	4.3	6.0	6.0	5.5
SR 4650	6.7	6.3	5.3	6.0	6.0	5.3	5.0	5.3	5.3	5.5
ASP0116EXT	6.7	7.3	6.7	7.3	5.7	4.7	4.0	4.3	5.3	5.4
DLFPS-236/3546	7.3	6.7	6.0	6.7	6.0	4.3	4.3	5.0	5.7	5.4
HATRICK (BSP-17)	7.3	6.0	7.0	7.3	6.0	4.0	4.0	4.7	5.0	5.4
NP-3	6.3	7.0	7.0	7.0	6.3	4.0	3.7	4.3	5.3	5.4
OVERDRIVE 5G	6.7	7.0	5.3	6.7	6.0	4.3	4.7	4.7	6.0	5.4
PPG-PR 385	6.7	6.7	5.3	6.7	5.7	5.0	4.7	5.0	5.7	5.4
PST-2FOXY	7.0	7.0	5.7	6.3	6.3	4.7	4.3	5.0	5.7	5.4
023	6.7	6.0	5.7	7.0	5.3	5.0	4.3	4.3	5.7	5.3
CS-6	6.0	6.7	6.0	7.0	5.7	4.3	4.3	4.7	5.0	5.3
GRAND SLAM GLD	7.3	7.0	5.3	5.7	6.0	4.7	4.3	5.0	6.0	5.3
PPG-PR 360	6.3	7.7	5.7	7.3	5.3	4.0	4.7	4.7	5.3	5.3

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
 2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
PST-2MAY	6.7	6.3	5.7	6.7	6.3	4.3	4.0	4.7	5.7	5.3
CPN	6.3	7.3	5.3	6.3	6.0	4.0	4.7	4.3	5.7	5.2
DLFPS-236/3548	7.3	6.3	5.3	6.7	6.3	5.0	3.7	4.3	5.3	5.2
FIESTA CINCO (DLFPS-236/3554)	7.7	5.3	5.7	6.3	6.7	4.0	3.3	5.0	5.3	5.2
MIGHTIER (DLFPS-236/3542)	7.3	6.3	6.0	6.7	6.7	3.7	3.7	4.3	5.3	5.2
SR 4700 (DLFPS-236/3543)	7.3	6.0	6.0	6.7	6.7	3.7	3.3	4.3	5.7	5.2
STELLAR 4GL (PPG-PR 424)	7.0	6.7	5.7	6.0	6.0	4.0	4.0	5.0	5.7	5.2
BAR LP 6131	6.0	6.0	5.7	7.0	6.0	4.0	3.7	4.3	5.0	5.1
BAR LP 6162	6.3	5.3	5.7	6.0	5.7	4.3	4.3	4.3	5.3	5.1
BRIGHTSTAR SLT	6.7	6.7	6.3	7.3	5.7	4.0	3.7	4.3	4.7	5.1
DLFPS-236/3553	7.0	6.3	5.0	6.0	6.7	4.0	4.0	4.3	6.0	5.1
JR-197	6.0	7.3	5.7	6.7	6.0	3.7	3.3	4.7	5.7	5.1
NP-2	6.7	6.7	6.0	7.0	6.0	4.0	3.3	4.0	5.3	5.1
PARAGON 2 GLR (FP2)	6.0	6.7	6.3	6.7	6.0	4.3	3.7	3.7	5.0	5.1
PST-2A2	6.7	6.3	6.0	5.7	5.7	3.7	3.7	5.3	5.7	5.1
PST-2BDT	7.0	6.3	6.0	5.7	5.7	4.3	3.7	5.0	5.7	5.1
SLIDER LS (PPG-PR 241)	7.0	7.0	6.0	6.3	6.0	3.3	3.7	4.7	5.7	5.1
021	6.7	5.3	5.7	7.0	5.3	4.3	3.3	4.3	5.0	5.0
APR2612	6.7	6.7	6.3	6.3	5.7	3.7	3.7	4.7	4.7	5.0
DLFPS-236/3540	7.3	7.0	5.7	6.7	6.3	4.0	3.0	4.3	4.7	5.0
FIREBALL (BWH)	6.3	7.0	6.3	7.0	6.0	3.3	3.3	3.7	5.0	5.0
MYSTIQUE (DLFPS-236/3547)	8.3	7.0	5.7	6.0	6.0	4.0	3.3	4.3	5.7	5.0
PPG-PR 367	6.0	6.7	6.3	7.0	5.7	3.3	3.0	4.3	5.0	5.0
PPG-PR 372	7.3	6.7	5.0	5.7	6.7	4.0	4.3	4.3	5.3	5.0
PR-5-16	6.7	5.7	5.0	6.0	6.3	4.3	3.3	4.7	5.7	5.0
SHIELD (02BS4)	6.7	6.0	5.7	6.3	5.3	3.7	4.0	4.7	5.3	5.0
ASP0117 (A-PR15)	6.0	6.3	6.0	6.3	5.7	3.7	3.7	4.3	4.7	4.9
DLFPS-236/3552	6.7	6.7	5.7	6.7	5.0	4.0	3.0	4.3	5.3	4.9
FASTBALL 3GL (PPG-PR 329)	7.0	7.0	5.3	6.0	6.0	3.7	4.0	4.7	4.7	4.9
GATOR FORE (DLFPS-236/3544)	6.7	7.7	6.0	6.7	5.3	4.0	3.3	4.0	4.7	4.9
GREEN SUPREME+ (AMP-R1)	7.0	6.7	6.0	6.3	5.7	3.7	3.3	4.0	5.0	4.9
INTENSE	5.7	6.7	6.0	6.0	5.7	4.3	3.0	4.3	5.0	4.9
MDSL-PR15	7.0	7.3	6.0	6.3	5.7	3.3	4.0	4.0	4.7	4.9
SUPERSTAR GL (PPG-PR 420)	6.7	6.7	5.7	5.3	6.0	3.3	3.7	4.7	5.7	4.9
02BS2	6.3	6.3	5.7	6.0	5.3	3.7	3.3	4.3	5.3	4.8
ALLSTAR FORE (DLFPS-236/3541)	7.7	6.7	5.7	6.7	5.7	3.3	3.3	4.0	4.7	4.8
CAYMAN (GO-143)	6.3	5.7	5.3	5.7	5.7	3.3	3.7	5.0	5.0	4.8
DERBY XTREME	6.7	7.0	5.7	6.3	6.0	4.0	3.7	3.3	4.3	4.8
JR-123	6.3	5.3	5.3	6.3	6.3	4.3	3.7	3.3	4.3	4.8
PPG-PR 422	6.7	7.0	5.7	5.3	6.0	3.3	3.0	4.7	5.7	4.8
PR-6-15	7.3	6.3	5.0	5.3	5.3	3.7	3.7	4.7	5.7	4.8
SLUGGER 3GL (PPG-PR 343)	7.3	6.7	5.7	5.7	5.3	3.3	3.7	4.3	5.7	4.8
BELIZE 2 (GO-142)	6.7	6.7	5.7	6.3	5.3	3.3	3.3	4.0	4.7	4.7
FURLONG (LTP-FCB)	7.7	7.3	5.0	5.7	6.0	3.7	3.0	4.3	5.3	4.7
PARADOX GLR (PPG-PR 331)	6.3	7.0	5.3	6.0	5.3	3.3	3.3	4.3	5.0	4.7
DLFPS-236/3556	6.0	7.0	5.7	6.0	5.3	3.7	3.0	4.0	4.3	4.6
JR-888	6.7	6.0	5.7	6.3	6.0	3.3	3.3	3.3	4.3	4.6

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT AMES, IA 1/
 2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	APR	MAY	QUALITY RATINGS					MEAN
					JUN	JUL	AUG	SEP	OCT	
KARMA	6.0	7.0	5.0	5.7	5.7	3.7	3.7	4.0	4.7	4.6
PPG-PR 371	7.3	6.7	5.3	6.3	5.3	2.3	3.0	5.0	5.0	4.6
SAGUARO	6.3	6.0	6.0	6.3	6.0	3.7	3.3	3.0	3.7	4.6
SIGNET	7.0	5.7	5.3	6.3	6.3	3.7	3.0	3.0	4.3	4.6
ALLOY (RRT)	7.3	5.7	5.7	5.7	5.3	2.7	2.7	4.3	5.0	4.5
ASP0218 (A-6D)	6.0	7.0	5.7	6.0	5.3	3.3	3.0	3.7	4.7	4.5
PPG-PR 370	6.3	7.0	6.0	6.0	5.3	3.0	2.3	4.0	4.7	4.5
APR2616	6.7	6.7	5.3	6.0	5.0	3.0	2.7	4.3	4.3	4.4
GO-141	7.0	6.0	5.3	5.7	5.3	3.3	3.0	3.7	4.7	4.4
LPB-SD-101	7.0	5.7	5.0	6.0	6.0	3.0	2.7	3.7	4.7	4.4
LPB-SD-105	7.0	5.3	5.0	6.0	6.0	3.3	2.7	3.3	4.7	4.4
ALLSTAR III	5.7	4.7	5.3	5.7	6.0	3.3	2.7	3.0	4.0	4.3
DLFPS-236/3550	7.3	6.0	5.7	6.0	5.0	2.3	3.0	3.7	4.7	4.3
LPB-SD-102	6.7	5.7	5.3	5.7	6.0	2.7	2.7	3.3	4.3	4.3
LPB-SD-103	6.7	6.0	4.7	5.7	6.3	2.7	2.7	2.7	5.0	4.2
SAVANT	6.3	4.7	4.7	5.7	5.7	3.0	3.0	3.0	3.3	4.0
LPB-SD-104	6.7	5.0	4.3	5.0	5.7	2.7	2.7	3.7	3.0	3.9
MENSA	6.0	6.0	5.0	5.3	5.3	3.0	2.3	3.0	3.0	3.9
JR-747	5.3	5.3	4.7	5.0	5.3	3.0	2.7	2.7	2.7	3.7
LINN	4.7	5.0	3.7	3.7	4.0	3.3	2.7	2.3	2.7	3.2
LSD VALUE	1.7	1.5	1.4	2.3	2.6	2.1	1.6	2.1	1.6	1.0
C.V. (%)	11.2	11.8	12.3	15.1	13.4	23.8	23.0	22.7	16.9	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 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT MANHATTAN, KS 1/
2021 DATA

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

NAME	SPRING	QUALITY RATINGS							MEAN
	GREENUP	APR	MAY	JUN	JUL	AUG	SEP		
FIREBALL (BWH)	7.0	7.0	8.0	6.7	6.3	5.7	7.0	6.8	
MRS-L-PR16	6.3	6.3	8.0	7.3	7.0	5.7	6.3	6.8	
PHARAOH	6.7	7.0	8.0	7.0	6.3	5.7	7.0	6.8	
023	6.7	7.0	8.0	6.0	6.7	5.7	6.7	6.7	
02BS2	7.0	7.0	7.7	6.0	6.7	6.0	7.0	6.7	
ALLOY (RRT)	7.0	7.0	8.0	6.7	6.7	5.3	6.7	6.7	
BAR LP 6158	7.0	7.0	8.0	6.3	7.0	5.7	6.0	6.7	
BELIZE 2 (GO-142)	7.0	7.0	8.0	6.3	6.7	5.7	6.7	6.7	
DLFPS-236/3550	7.0	7.0	8.0	6.3	6.7	5.7	6.7	6.7	
EVOLVE	6.3	6.7	8.0	6.7	6.7	5.7	6.7	6.7	
FURLONG (LTP-FCB)	7.0	7.0	8.0	6.0	6.7	5.7	6.7	6.7	
GREEN SUPREME+ (AMP-R1)	6.7	6.7	8.0	6.3	6.7	5.7	6.7	6.7	
HOMERUN LS (PPG-PR 419)	7.0	7.0	8.0	7.0	6.7	5.0	6.3	6.7	
INTENSE	7.0	7.0	7.7	6.7	6.7	5.3	7.0	6.7	
JR-123	7.0	7.0	8.0	6.0	7.0	5.7	6.3	6.7	
JR-197	7.0	7.0	8.0	6.7	6.7	5.7	6.3	6.7	
NEXUS GT (SNX)	6.7	6.7	8.0	7.0	6.7	5.7	6.3	6.7	
PARAGON 2 GLR (FP2)	6.7	7.0	7.7	5.7	7.0	6.0	6.7	6.7	
PPG-PR 367	7.0	6.7	8.0	6.3	7.0	5.7	6.3	6.7	
PPG-PR 371	7.0	7.0	8.0	6.0	6.7	5.3	7.0	6.7	
SILVER SPORT (PST-2CRP)	7.0	6.3	8.0	6.7	7.0	5.7	6.7	6.7	
SR 4650	6.7	7.0	8.0	6.0	6.7	6.0	6.3	6.7	
02BS1	7.0	7.0	7.7	6.3	6.7	5.0	6.7	6.6	
ALLSTAR III	7.0	7.0	7.7	5.3	7.0	5.3	7.0	6.6	
APR2612	7.0	6.7	7.7	6.3	6.3	5.7	6.7	6.6	
APR3060	7.0	7.0	7.7	5.7	6.7	5.7	6.7	6.6	
ASP0117 (A-PR15)	7.0	7.0	8.0	6.3	6.7	5.3	6.0	6.6	
BAR LP 6131	6.7	6.7	7.7	6.0	6.3	5.7	7.0	6.6	
BAR LP 6159	6.7	6.7	7.7	6.7	6.7	5.7	6.3	6.6	
BAR LP 6162	7.0	7.0	7.7	6.0	7.0	4.7	7.0	6.6	
CPN	6.7	6.7	8.0	5.7	7.0	5.7	6.3	6.6	
DLFPS-236/3546	7.0	7.0	8.0	5.7	7.0	5.3	6.7	6.6	
DLFPS-236/3548	7.0	7.0	7.7	5.7	6.3	6.0	7.0	6.6	
DLFPS-236/3553	7.0	7.0	8.0	6.3	6.3	5.7	6.0	6.6	
DLFPS-236/3556	6.7	6.7	8.0	6.3	7.0	5.3	6.0	6.6	
FASTBALL 3GL (PPG-PR 329)	7.0	7.0	8.0	6.3	6.7	5.0	6.3	6.6	
GATOR FORE (DLFPS-236/3544)	7.0	7.0	8.0	6.3	6.7	5.3	6.0	6.6	
GO-141	6.3	7.0	8.0	6.0	6.7	5.7	6.3	6.6	
GRAND SLAM GLD	6.7	7.0	8.0	5.7	7.0	5.3	6.7	6.6	
IVY (PST-2GTD)	7.0	7.0	8.0	5.7	7.0	5.3	6.3	6.6	
LPB-SD-103	6.3	6.3	7.7	7.3	6.0	5.3	6.7	6.6	
MIGHTIER (DLFPS-236/3542)	7.0	7.0	8.0	6.3	6.7	5.3	6.3	6.6	
MYSTIQUE (DLFPS-236/3547)	6.7	7.0	8.0	6.3	7.0	5.3	6.0	6.6	
NP-3	7.0	7.0	8.0	5.7	6.7	5.7	6.7	6.6	
PEPPER II (RAD-PR 103)	7.0	7.0	7.3	6.0	7.0	5.7	6.7	6.6	
PPG-PR 360	7.0	7.0	8.0	6.3	6.7	5.7	6.0	6.6	
PPG-PR 370	7.0	7.0	8.0	6.0	6.3	6.0	6.3	6.6	

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT MANHATTAN, KS 1/
 2021 DATA

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

NAME	QUALITY RATINGS							MEAN
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	
PST-2A2	6.7	6.7	8.0	6.3	6.3	5.3	7.0	6.6
PST-2BDT	7.0	7.0	7.7	6.3	6.3	5.3	6.7	6.6
PST-2EGAD	7.0	7.0	8.0	6.0	7.0	5.3	6.0	6.6
RAD-PR 112	7.0	7.0	8.0	6.3	6.3	5.3	6.7	6.6
SR 4700 (DLFPS-236/3543)	7.0	6.7	8.0	6.3	6.7	5.0	7.0	6.6
XCELERATOR	6.7	6.7	8.0	6.3	6.3	5.7	6.7	6.6
ALLSTAR FORE (DLFPS-236/3541)	7.0	7.0	7.7	5.7	6.7	5.7	6.3	6.5
DERBY XTREME	6.7	7.0	8.0	6.0	6.0	5.0	7.0	6.5
DLFPS-236/3552	7.0	7.0	8.0	6.7	6.0	5.0	6.3	6.5
DLFPS-238/3014	6.7	7.0	8.0	6.7	6.7	4.7	6.0	6.5
JR-747	7.0	7.0	7.3	6.3	6.3	5.3	6.7	6.5
NP-2	7.0	7.0	7.7	6.0	6.7	5.3	6.3	6.5
PPG-PR 372	6.7	6.7	8.0	6.0	6.3	5.3	6.7	6.5
PPG-PR 385	6.7	6.7	7.7	6.0	6.7	5.7	6.3	6.5
PPG-PR 421	7.0	7.0	8.0	6.7	7.0	4.0	6.3	6.5
PR-5-16	7.0	6.7	8.0	6.0	7.0	4.7	6.7	6.5
PR-6-15	6.7	6.7	8.0	6.3	6.3	5.0	6.7	6.5
SAVANT	6.3	6.3	7.7	6.3	6.0	6.0	6.7	6.5
SLUGGER 3GL (PPG-PR 343)	7.0	7.0	8.0	5.7	6.7	5.7	6.0	6.5
SUPERSTAR GL (PPG-PR 420)	7.0	6.7	8.0	6.3	7.0	4.3	6.7	6.5
ZOOM 2 (DLFPS-236/3545)	7.0	7.0	8.0	6.3	6.7	4.3	6.7	6.5
APPLE 3GL (PPG-PR 339)	7.0	7.0	7.7	5.7	6.7	5.0	6.3	6.4
ASP0116EXT	7.0	6.7	7.7	6.0	6.3	5.0	7.0	6.4
ASP0118GL (A-4G)	7.0	7.0	8.0	6.0	6.3	4.7	6.7	6.4
ASP0218 (A-6D)	7.0	7.0	7.7	6.0	6.0	5.3	6.7	6.4
BAR LP 6117	7.0	6.7	8.0	6.3	5.7	5.7	6.3	6.4
BAR LP 6164	6.3	6.0	8.0	6.0	6.7	5.3	6.3	6.4
BRIGHTSTAR SLT	7.0	7.0	7.7	6.0	6.3	5.3	6.3	6.4
CAYMAN (GO-143)	7.0	7.0	8.0	6.0	6.3	5.0	6.3	6.4
CS-6	7.0	7.0	8.0	5.7	6.7	5.7	5.7	6.4
FIESTA CINCO (DLFPS-236/3554)	7.0	7.0	7.7	5.7	6.0	5.3	7.0	6.4
HATRICK (BSP-17)	7.0	6.7	8.0	6.0	6.3	5.0	6.3	6.4
JR-888	6.7	6.7	7.7	6.0	6.0	5.0	7.0	6.4
MAN O WAR	6.7	6.7	8.0	6.0	6.3	5.0	6.7	6.4
MENSA	7.0	7.0	7.7	6.0	6.3	5.0	6.7	6.4
OVERDRIVE 5G	6.7	5.3	8.0	6.7	6.3	5.7	6.3	6.4
PPG-PR 423	7.0	7.0	7.7	6.3	6.7	5.0	5.7	6.4
PST-2FOXY	6.7	6.7	8.0	6.0	6.3	5.0	6.3	6.4
SAGUARO	6.7	6.7	8.0	6.3	6.0	5.7	6.0	6.4
SEABISCUIT	6.7	6.3	8.0	6.0	6.7	5.7	6.0	6.4
SIGNET	7.0	6.7	8.0	6.3	6.0	5.3	6.3	6.4
STELLAR 4GL (PPG-PR 424)	7.0	7.0	7.7	6.0	6.3	5.3	6.3	6.4
UMPQUA	6.0	6.7	8.0	5.3	6.3	5.7	6.3	6.4
GRAY HAWK (PST-2FIND)	6.3	6.3	8.0	6.3	6.3	4.7	6.3	6.3
GRAY WOLF (PST-2GAL)	7.0	7.0	7.7	6.0	5.7	5.3	6.0	6.3
LPB-SD-102	6.3	6.7	7.3	6.0	6.3	5.3	6.0	6.3
PARADOX GLR (PPG-PR 331)	7.0	7.0	8.0	6.3	6.3	4.0	6.3	6.3

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT MANHATTAN, KS 1/
2021 DATA

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

NAME	QUALITY RATINGS							
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	MEAN
PPG-PR 422	7.0	7.0	8.0	6.0	6.3	4.3	6.0	6.3
SHIELD (02BS4)	6.7	6.7	7.7	5.7	7.0	4.3	6.3	6.3
SLIDER LS (PPG-PR 241)	7.0	6.7	7.7	6.0	6.7	4.3	6.3	6.3
SPIKE GLS (UF3)	7.0	7.0	8.0	5.7	5.7	5.3	6.3	6.3
TEE-ME-UP (BSP-25)	6.7	6.7	7.3	6.3	6.7	4.7	6.3	6.3
021	7.0	6.7	8.0	6.0	6.0	4.7	5.7	6.2
DLFPS-236/3540	7.0	6.7	8.0	5.7	5.7	4.7	6.3	6.2
HELIOS (DLFPS-236/3538)	6.7	6.3	8.0	6.3	6.0	4.0	6.3	6.2
LPB-SD-101	6.7	6.3	8.0	5.0	6.0	5.7	6.0	6.2
LPB-SD-105	6.3	6.0	7.7	6.0	5.7	5.7	6.3	6.2
PST-2PDA	7.0	7.0	7.3	6.0	6.3	4.3	6.0	6.2
APR2616	6.7	6.3	8.0	5.0	6.3	5.0	6.0	6.1
BAR LP 6233	7.0	6.3	7.7	5.3	6.7	4.3	6.3	6.1
MRS�-PR15	7.0	7.0	7.7	5.3	6.0	4.3	6.3	6.1
PL2	7.0	7.0	7.7	5.0	6.0	4.7	6.3	6.1
BAR LP 6165	5.0	4.3	7.3	5.7	6.0	5.7	6.7	5.9
LPB-SD-104	6.7	6.0	7.7	5.3	6.0	4.3	6.3	5.9
LINN	5.0	3.3	4.7	4.0	3.0	3.3	4.7	3.8
KARMA	.	.	.	.	.	.	.	.
PST-2MAY	.	.	.	.	.	.	.	.
LSD VALUE	0.7	0.8	0.6	2.5	1.2	3.5	2.0	0.5
C.V. (%)	5.7	6.7	4.5	12.2	9.1	16.6	9.1	4.3

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

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

TABLE 4.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS								
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
FURLONG (LTP-FCB)	6.7	5.3	6.3	7.0	6.3	7.0	6.3	6.7	6.7	6.7	6.0	6.6
02BS2	5.7	5.7	6.3	6.0	6.3	6.7	6.3	6.3	6.3	6.3	6.3	6.3
FASTBALL 3GL (PPG-PR 329)	5.7	5.0	6.0	6.3	5.7	6.3	6.3	6.3	6.7	6.3	6.0	6.3
SR 4700 (DLFPS-236/3543)	5.0	5.0	5.3	6.0	6.7	6.7	6.3	6.0	6.7	6.0	5.7	6.3
APPLE 3GL (PPG-PR 339)	6.0	6.7	6.3	6.3	5.7	6.3	6.3	6.3	6.3	6.3	5.7	6.2
IVY (PST-2GTD)	6.7	6.0	6.3	5.7	5.7	6.7	6.0	6.7	6.7	6.3	5.7	6.2
PPG-PR 370	6.0	5.7	5.7	6.7	6.0	6.0	6.3	6.7	6.3	6.3	5.3	6.2
SLUGGER 3GL (PPG-PR 343)	5.3	4.3	5.0	6.0	6.3	6.0	6.3	6.3	6.3	6.3	5.7	6.2
STELLAR 4GL (PPG-PR 424)	5.0	5.3	6.0	6.0	6.0	6.0	6.3	6.0	6.7	6.3	6.3	6.2
ALLSTAR FORE (DLFPS-236/3541)	5.3	6.3	6.3	5.7	6.0	5.7	6.0	5.7	7.0	6.3	6.0	6.0
JR-123	6.3	6.0	7.0	6.0	5.7	6.0	5.7	6.7	6.0	6.3	5.7	6.0
JR-197	6.0	5.7	6.7	6.3	5.7	6.3	6.3	5.7	5.7	6.0	6.3	6.0
NP-3	5.3	5.7	6.7	5.7	6.0	6.0	6.3	5.7	6.0	6.0	6.0	6.0
PPG-PR 360	5.3	5.3	5.0	5.7	6.3	6.3	5.3	6.3	6.3	5.7	6.0	6.0
PPG-PR 367	6.7	6.0	6.3	6.0	5.7	6.3	6.3	6.3	6.0	5.7	6.0	6.0
PPG-PR 371	6.0	5.3	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	5.7	6.0
PPG-PR 372	5.0	5.0	6.0	6.0	6.0	5.7	5.7	6.0	6.0	6.3	6.0	6.0
PPG-PR 421	5.7	5.3	6.0	5.7	6.7	6.3	5.7	6.0	6.0	5.7	6.0	6.0
PST-2A2	4.3	5.3	5.3	5.7	5.3	6.3	6.7	5.7	6.0	6.0	6.0	6.0
SPIKE GLS (UF3)	6.0	4.7	6.3	6.0	5.7	6.3	6.7	5.7	5.7	6.0	5.7	6.0
023	5.0	5.0	5.7	5.7	5.7	6.0	6.0	6.7	6.0	5.7	5.7	5.9
ALLOY (RRT)	5.7	5.3	6.7	6.0	5.7	6.0	6.0	6.0	5.7	6.3	5.3	5.9
DLFPS-236/3550	5.3	5.7	5.7	5.7	6.3	6.0	6.0	6.0	6.3	5.7	5.3	5.9
DLFPS-236/3552	5.7	5.7	6.0	6.0	6.3	6.3	5.7	6.0	6.0	6.0	5.0	5.9
GATOR FORE (DLFPS-236/3544)	7.0	6.0	6.0	6.3	6.0	6.0	6.3	5.7	5.7	5.3	5.7	5.9
MYSTIQUE (DLFPS-236/3547)	4.0	4.0	4.7	5.7	6.0	5.7	5.7	6.0	7.0	6.0	5.3	5.9
PARADOX GLR (PPG-PR 331)	5.3	5.0	6.3	5.7	6.0	5.7	6.0	5.7	6.3	5.7	6.0	5.9
SUPERSTAR GL (PPG-PR 420)	5.0	4.7	5.3	5.3	6.3	5.7	6.0	6.0	6.0	6.3	5.3	5.9
BAR LP 6165	5.3	5.7	6.3	5.3	5.0	6.3	6.3	6.0	6.0	6.3	5.0	5.8
CPN	5.3	4.7	5.7	5.7	5.3	6.0	6.3	5.7	5.7	6.0	5.7	5.8
DLFPS-236/3548	5.3	5.3	6.0	5.7	5.0	6.0	6.0	6.0	6.3	5.7	6.0	5.8
FIESTA CINCO (DLFPS-236/3554)	5.3	5.7	5.3	5.0	5.7	6.0	6.3	5.7	6.7	5.7	5.0	5.8
PR-5-16	4.7	4.3	5.0	6.0	5.3	6.0	6.3	6.0	5.7	6.0	5.3	5.8
PST-2FOXY	4.7	5.0	5.3	5.3	5.7	6.3	5.7	6.0	6.0	6.0	5.7	5.8
SLIDER LS (PPG-PR 241)	5.0	4.7	5.0	5.7	6.3	6.0	5.7	5.3	5.7	5.7	5.7	5.8
XCELERATOR	6.0	5.7	6.0	6.0	5.3	6.0	6.0	5.7	6.0	5.7	5.3	5.8
ZOOM 2 (DLFPS-236/3545)	5.3	4.7	5.7	6.0	5.3	6.0	5.7	5.7	6.0	6.0	5.3	5.8
DLFPS-236/3546	5.0	5.0	6.0	5.3	6.0	5.7	6.0	5.7	5.7	5.7	5.3	5.7
DLFPS-236/3553	5.0	5.0	5.7	5.7	5.7	5.7	5.7	5.7	6.0	5.7	5.7	5.7
PR-6-15	5.0	5.0	6.0	5.3	6.0	6.3	5.3	5.3	6.0	6.0	5.3	5.7
UMPQUA	5.3	4.0	5.7	6.0	5.7	6.0	5.3	5.7	6.0	5.7	5.3	5.7
02BS1	5.3	5.3	6.0	5.7	5.7	5.3	5.7	5.7	6.0	5.7	5.3	5.6
HELIOS (DLFPS-236/3538)	5.3	5.3	5.3	5.3	5.3	6.0	5.3	5.7	6.0	5.7	5.3	5.6
MAN O WAR	5.3	4.7	6.3	6.0	5.7	5.3	5.0	6.0	6.0	5.3	5.7	5.6
NP-2	5.3	5.0	6.0	5.7	5.3	6.0	5.7	5.3	5.3	6.0	5.7	5.6
PARAGON 2 GLR (FP2)	5.7	5.0	5.7	5.7	6.0	6.3	5.3	5.3	5.3	5.3	5.7	5.6
PPG-PR 385	6.0	5.3	5.7	5.7	5.3	5.3	5.7	6.0	6.0	5.3	5.7	5.6

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS								
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PPG-PR 422	5.0	4.3	5.3	6.0	6.0	5.7	5.7	5.3	5.3	5.7	5.3	5.6
PST-2PDA	7.3	5.3	6.7	5.3	5.0	5.7	5.7	6.0	6.0	5.7	5.7	5.6
SEABISCUIT	5.3	5.3	5.7	5.7	5.7	6.0	5.7	5.7	5.7	5.3	5.3	5.6
SIGNET	3.7	4.0	5.0	5.7	5.7	5.3	5.7	5.3	6.3	5.3	5.3	5.6
SR 4650	6.0	5.3	6.3	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6
021	5.3	5.0	5.7	5.7	5.3	5.7	5.7	5.7	5.7	5.0	5.3	5.5
BAR LP 6117	5.7	5.3	5.7	5.3	5.3	6.0	5.7	5.3	6.0	5.3	5.3	5.5
BAR LP 6131	5.7	6.0	6.0	5.0	5.0	6.3	6.3	5.7	5.7	5.7	4.7	5.5
BAR LP 6159	5.3	5.7	5.7	5.3	5.3	5.7	6.0	5.7	5.3	5.7	5.3	5.5
BAR LP 6233	5.3	5.3	6.0	5.3	5.3	6.0	5.7	5.7	5.3	6.0	5.0	5.5
BRIGHTSTAR SLT	5.7	5.3	6.3	5.7	5.3	5.7	5.7	6.0	5.3	5.3	5.0	5.5
DERBY XTREME	4.3	4.0	4.3	5.3	5.7	5.7	5.7	5.3	5.7	5.3	5.0	5.5
MIGHTIER (DLFPS-236/3542)	5.3	5.7	6.0	5.3	5.3	6.0	6.0	5.3	5.3	5.3	5.3	5.5
OVERDRIVE 5G	5.7	4.7	5.3	5.7	5.3	5.3	5.3	5.0	6.0	5.3	5.7	5.5
PHARAOH	4.7	4.7	5.7	5.3	5.7	5.7	5.7	5.0	5.3	5.3	5.7	5.5
PL2	5.3	5.0	5.3	5.3	5.3	5.7	5.3	5.3	5.7	5.3	5.7	5.5
PPG-PR 423	5.0	4.7	6.0	5.0	5.3	5.7	6.0	5.3	5.7	5.7	5.7	5.5
PST-2MAY	6.3	5.3	5.7	5.3	5.3	6.0	5.3	5.7	5.3	5.7	5.3	5.5
ASP0117 (A-PR15)	5.7	5.0	6.0	5.0	5.0	5.3	6.0	5.3	5.7	5.3	5.3	5.4
BAR LP 6158	5.7	5.0	6.3	5.3	5.3	5.7	5.3	5.3	5.3	5.7	5.3	5.4
BAR LP 6164	5.7	5.0	6.0	5.3	5.3	6.0	5.7	5.0	5.3	5.0	5.7	5.4
BELIZE 2 (GO-142)	5.0	5.3	5.7	5.0	6.0	5.3	5.3	5.3	5.3	5.3	5.3	5.4
EVOLVE	5.3	5.7	6.0	5.0	5.7	6.0	5.7	5.3	5.0	5.3	5.3	5.4
INTENSE	5.0	4.7	5.3	5.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.4
KARMA	5.3	4.7	6.0	5.3	5.3	5.3	5.3	5.7	5.7	5.3	5.3	5.4
MRSL-PR15	5.3	5.3	5.7	5.3	5.3	5.0	5.3	5.7	5.7	5.3	5.3	5.4
SILVER SPORT (PST-2CRP)	4.0	4.0	4.7	5.7	5.0	5.3	5.3	5.3	5.3	5.3	5.7	5.4
ALLSTAR III	5.0	4.7	5.0	5.0	5.3	5.3	5.3	5.3	5.7	5.0	5.7	5.3
APR2612	5.7	5.0	5.7	4.7	5.0	5.3	5.7	5.3	5.7	5.3	5.3	5.3
APR2616	5.7	5.3	5.7	5.0	5.3	5.7	5.3	5.3	5.3	5.0	5.3	5.3
APR3060	5.3	5.3	6.0	5.0	4.7	5.7	5.3	5.7	5.0	5.7	5.3	5.3
ASP0118GL (A-4G)	5.7	5.0	6.0	5.7	5.3	5.3	5.0	5.7	5.3	5.3	5.0	5.3
ASP0218 (A-6D)	5.7	5.0	6.0	5.3	5.0	5.3	5.3	5.3	5.3	5.3	5.0	5.3
BAR LP 6162	4.7	4.7	5.0	5.3	5.7	5.3	5.7	5.0	5.0	5.0	5.0	5.3
DLFPS-236/3540	5.3	5.3	6.0	4.7	5.0	5.7	5.3	5.3	5.7	5.3	5.0	5.3
GRAND SLAM GLD	5.3	5.0	5.7	5.3	4.7	5.0	5.0	5.7	5.7	5.3	5.7	5.3
GRAY WOLF (PST-2GAL)	6.0	5.0	6.0	5.7	5.0	5.3	5.0	5.3	5.7	5.7	5.0	5.3
HOMERUN LS (PPG-PR 419)	6.0	4.7	5.7	5.3	5.3	5.0	5.3	5.3	5.7	5.0	5.3	5.3
SAGUARO	5.0	4.3	6.0	5.3	4.7	5.7	5.7	5.0	5.7	5.7	4.7	5.3
PST-2BDT	4.7	4.3	5.0	5.3	5.0	5.0	5.0	5.7	5.3	5.3	5.0	5.2
SHIELD (02BS4)	5.3	5.0	5.7	5.0	5.3	5.7	5.3	5.0	5.0	5.0	5.3	5.2
CAYMAN (GO-143)	6.0	6.0	6.3	5.0	4.7	5.3	5.3	5.3	5.0	5.3	5.0	5.1
GO-141	4.7	4.7	6.0	5.0	5.0	5.0	5.3	5.3	5.3	5.0	4.7	5.1
GREEN SUPREME+ (AMP-R1)	4.7	5.0	5.7	5.3	5.3	5.0	5.0	5.0	5.3	5.0	4.7	5.1
MRSL-PR16	5.0	5.0	5.7	5.0	5.0	5.0	5.3	5.0	5.3	5.0	5.0	5.1
NEXUS GT (SNX)	5.0	5.0	5.3	5.0	4.7	5.0	5.0	5.3	5.3	5.3	5.0	5.1
SAVANT	3.7	3.3	3.7	5.3	5.3	5.0	5.0	5.3	5.3	5.0	4.3	5.1

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2021 DATA

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS								
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DLFPS-236/3556	5.3	5.0	6.0	5.0	5.0	5.3	5.0	4.7	5.3	5.0	5.0	5.0
DLFPS-238/3014	6.0	5.0	5.7	4.3	5.0	5.7	5.3	5.0	5.0	5.0	5.0	5.0
FIREBALL (BWH)	4.7	4.7	5.7	5.0	4.7	5.3	5.0	5.0	5.0	5.0	5.0	5.0
GRAY HAWK (PST-2FIND)	5.0	4.3	5.0	4.7	5.0	5.0	5.0	5.0	5.3	5.0	5.3	5.0
HATRICK (BSP-17)	5.3	5.0	5.3	5.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
JR-747	3.7	3.3	4.3	5.0	4.7	5.0	5.3	5.0	5.3	5.0	4.3	5.0
LPB-SD-101	3.3	3.7	4.3	5.7	4.3	5.3	5.3	4.7	5.3	5.0	4.3	5.0
LPB-SD-102	4.0	4.0	4.7	5.0	5.0	5.3	5.0	5.0	5.0	5.0	4.3	5.0
LPB-SD-103	5.0	4.3	5.0	5.0	4.3	5.0	5.3	5.3	5.3	5.3	4.3	5.0
LPB-SD-104	3.7	4.0	4.7	5.3	5.0	5.0	5.0	5.0	5.3	5.0	4.3	5.0
PST-2EGAD	4.7	5.0	5.3	4.7	4.7	5.3	5.3	4.7	5.3	5.0	5.0	5.0
RAD-PR 112	5.3	5.3	6.3	5.0	5.0	5.3	5.0	5.0	5.0	5.0	5.0	5.0
CS-6	4.7	5.3	5.0	4.7	4.3	5.0	5.0	5.0	5.0	5.0	5.0	4.9
MENSA	4.7	4.3	5.0	4.7	4.3	5.0	5.0	4.7	5.7	5.0	4.7	4.9
TEE-ME-UP (BSP-25)	6.3	5.3	6.0	4.7	4.7	5.0	5.0	5.0	5.3	5.0	4.7	4.9
ASP0116EXT	4.7	4.3	5.3	4.3	4.3	4.7	5.0	4.3	4.7	4.3	5.0	4.6
JR-888	4.0	4.3	4.7	4.7	4.3	4.7	5.0	4.3	5.3	4.3	4.0	4.6
LPB-SD-105	3.7	4.0	4.7	4.3	4.3	4.7	5.0	4.7	5.3	4.7	4.0	4.6
PEPPER II (RAD-PR 103)	5.7	5.0	5.7	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
LINN	3.3	3.7	4.0	2.0	2.0	3.7	3.0	3.3	3.3	3.0	3.0	2.9
LSD VALUE	1.0	1.0	1.1	0.8	0.7	0.9	0.8	0.8	0.8	0.8	0.8	0.5
C.V. (%)	11.6	12.0	10.8	9.2	8.2	9.3	8.6	9.0	8.8	9.1	9.0	5.9

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 5.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
2021 DATA

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

NAME	MAY	JUN	JUL	OCT	NOV	MEAN
02BS2	6.0	6.7	6.3	7.3	6.3	6.4
APPLE 3GL (PPG-PR 339)	6.0	6.7	6.3	7.3	6.7	6.4
FASTBALL 3GL (PPG-PR 329)	6.0	6.5	6.5	7.5	7.0	6.4
FIESTA CINCO (DLFPS-236/3554)	6.3	6.7	6.3	7.3	6.3	6.4
FURLONG (LTP-FCB)	6.7	7.0	6.0	7.0	6.0	6.4
GATOR FORE (DLFPS-236/3544)	6.0	6.7	6.0	7.3	6.7	6.4
PHARAOH	6.7	7.0	5.7	7.0	6.7	6.4
STELLAR 4GL (PPG-PR 424)	6.7	7.0	6.0	7.3	6.3	6.4
ALLSTAR FORE (DLFPS-236/3541)	6.3	6.7	6.0	7.3	6.3	6.3
GRAND SLAM GLD	6.0	6.5	6.5	7.0	7.0	6.3
PPG-PR 367	6.5	7.0	6.0	7.0	7.0	6.3
SR 4700 (DLFPS-236/3543)	6.7	6.7	6.0	7.0	6.7	6.3
UMPQUA	6.0	6.3	6.0	7.0	6.7	6.3
DLFPS-236/3546	6.7	7.0	6.0	7.0	6.0	6.2
DLFPS-236/3552	6.7	6.7	6.0	7.0	6.3	6.2
MAN O WAR	6.3	6.3	5.3	7.3	6.7	6.2
PPG-PR 372	6.7	6.7	6.0	6.3	6.0	6.2
PPG-PR 423	6.0	6.3	6.3	7.0	6.7	6.2
PST-2FOXY	6.7	6.7	5.7	6.7	6.3	6.2
SHIELD (02BS4)	6.7	6.7	6.0	6.3	6.3	6.2
SILVER SPORT (PST-2CRP)	6.7	6.7	5.7	7.0	6.3	6.2
ZOOM 2 (DLFPS-236/3545)	6.3	6.3	5.7	7.3	6.3	6.2
021	6.3	6.3	5.3	7.0	6.3	6.1
DLFPS-236/3550	6.0	6.7	5.7	6.7	6.0	6.1
DLFPS-236/3556	6.0	6.3	5.7	6.7	6.3	6.1
GRAY HAWK (PST-2FIND)	6.0	6.0	6.0	6.7	6.3	6.1
HOMERUN LS (PPG-PR 419)	5.7	6.0	6.0	7.0	6.7	6.1
PPG-PR 371	6.0	6.7	6.0	7.0	6.3	6.1
PPG-PR 421	6.3	6.7	5.7	6.7	5.7	6.1
PR-6-15	6.3	6.3	5.7	6.7	6.3	6.1
SLUGGER 3GL (PPG-PR 343)	6.3	6.7	6.0	6.7	6.0	6.1
02BS1	7.0	6.3	5.0	6.7	6.3	6.0
BAR LP 6164	5.7	6.0	5.7	7.0	6.3	6.0
HELIOS (DLFPS-236/3538)	6.0	6.0	6.0	6.7	6.7	6.0
IVY (PST-2GTD)	6.3	6.3	5.7	6.7	6.0	6.0
JR-197	6.0	6.3	5.3	6.7	6.7	6.0
PARADOX GLR (PPG-PR 331)	6.0	6.3	5.3	7.0	6.0	6.0
PL2	6.0	6.7	5.7	6.7	6.0	6.0
PPG-PR 370	6.0	6.7	5.7	7.0	6.0	6.0
PST-2EGAD	6.0	6.0	5.3	6.7	6.7	6.0
SEABISCUIT	6.0	6.0	5.3	6.7	6.7	6.0
SLIDER LS (PPG-PR 241)	6.0	6.5	5.5	7.5	7.0	6.0
SUPERSTAR GL (PPG-PR 420)	6.7	6.7	6.0	6.3	5.7	6.0
ASP0118GL (A-4G)	6.0	6.0	5.3	7.3	6.0	5.9
BAR LP 6117	5.3	6.0	5.7	6.3	6.3	5.9
BAR LP 6233	5.3	6.0	5.7	7.0	6.3	5.9
DLFPS-236/3553	6.0	6.0	5.3	7.0	6.3	5.9

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
2021 DATA

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

NAME	MAY	JUN	JUL	OCT	NOV	MEAN
NP-3	7.0	6.3	6.0	6.0	5.7	5.9
PPG-PR 360	6.3	6.3	5.7	6.3	5.7	5.9
PPG-PR 422	6.0	6.3	5.7	7.3	6.0	5.9
PR-5-16	6.0	6.3	5.3	7.0	6.0	5.9
023	6.0	6.0	4.7	6.7	6.7	5.8
ALLOY (RRT)	6.0	6.3	5.7	6.3	5.7	5.8
APR2612	5.7	6.0	5.7	6.3	6.0	5.8
APR2616	6.0	6.3	6.0	6.0	5.7	5.8
APR3060	6.0	6.0	5.3	6.3	6.3	5.8
BAR LP 6131	6.0	6.0	5.0	6.7	6.3	5.8
BAR LP 6159	6.0	6.0	5.3	6.3	6.3	5.8
CPN	6.0	6.0	5.3	6.7	6.7	5.8
DLFPS-236/3548	6.7	6.3	6.0	5.7	5.7	5.8
INTENSE	6.0	6.3	4.7	7.0	6.3	5.8
MYSTIQUE (DLFPS-236/3547)	6.3	6.0	5.0	6.3	5.7	5.8
NP-2	6.3	6.0	5.3	6.3	6.0	5.8
PPG-PR 385	6.3	6.3	5.7	6.0	6.0	5.8
XCELERATOR	6.3	6.0	5.3	6.3	6.3	5.8
GREEN SUPREME+ (AMP-R1)	6.3	6.0	5.0	6.3	5.7	5.7
JR-123	6.0	6.0	5.3	6.3	6.0	5.7
PST-2MAY	6.3	5.3	5.7	6.7	5.7	5.7
PST-2PDA	5.7	6.0	4.7	7.0	6.0	5.7
ASP0117 (A-PR15)	6.7	5.7	5.0	6.3	5.3	5.6
CS-6	6.0	6.0	5.3	6.3	5.0	5.6
GRAY WOLF (PST-2GAL)	6.0	6.0	5.7	6.0	5.7	5.6
HATRICK (BSP-17)	5.7	5.7	5.3	6.0	6.0	5.6
KARMA	6.3	6.0	5.0	7.0	5.3	5.6
MIGHTIER (DLFPS-236/3542)	6.3	6.0	5.3	6.0	5.3	5.6
MRSL-PR16	6.3	6.0	5.3	5.7	5.7	5.6
OVERDRIVE 5G	6.0	6.0	5.0	6.3	6.0	5.6
PARAGON 2 GLR (FP2)	6.3	6.3	5.3	6.3	5.7	5.6
PST-2A2	6.0	6.0	4.7	6.3	6.3	5.6
SR 4650	5.3	5.7	5.3	6.7	5.7	5.6
BELIZE 2 (GO-142)	6.0	5.7	5.3	6.0	5.7	5.5
DLFPS-238/3014	4.3	5.0	5.3	6.7	6.7	5.5
RAD-PR 112	5.7	5.7	5.0	5.7	5.7	5.5
CAYMAN (GO-143)	5.3	5.3	4.3	6.3	6.0	5.4
DLFPS-236/3540	6.0	5.7	5.3	6.3	5.3	5.4
SIGNET	6.7	4.7	5.0	6.3	5.7	5.4
BAR LP 6165	4.3	5.0	5.0	6.7	6.0	5.3
DERBY XTREME	5.7	5.3	4.7	6.0	5.7	5.3
EVOLVE	5.7	5.7	4.3	6.0	6.0	5.3
NEXUS GT (SNX)	5.3	5.7	4.7	6.0	5.7	5.3
PEPPER II (RAD-PR 103)	4.7	5.3	4.7	6.0	6.0	5.3
PST-2BDT	5.7	5.7	5.0	6.3	5.7	5.3
SPIKE GLS (UF3)	6.3	5.0	5.0	6.0	5.3	5.3
ASP0218 (A-6D)	4.7	5.3	4.3	6.0	5.7	5.2

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT COLLEGE PARK, MD 1/
2021 DATA

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

NAME	MAY	JUN	JUL	OCT	NOV	MEAN
BAR LP 6158	5.3	5.3	4.7	6.0	6.0	5.1
BAR LP 6162	5.0	5.3	4.7	5.3	5.3	5.0
MRSL-PR15	5.7	4.3	5.0	5.7	5.3	5.0
ALLSTAR III	4.7	5.0	4.0	6.0	5.7	4.9
ASP0116EXT	5.3	5.0	4.7	5.3	4.7	4.9
FIREBALL (BWH)	4.7	4.7	4.7	5.0	4.7	4.6
TEE-ME-UP (BSP-25)	4.3	4.7	4.3	5.3	4.7	4.6
GO-141	4.7	4.7	4.0	5.0	4.3	4.5
LPB-SD-102	4.7	4.7	4.3	5.0	4.7	4.5
BRIGHTSTAR SLT	3.3	3.7	3.3	5.3	5.3	4.2
SAGUARO	4.3	4.3	4.0	5.0	4.7	4.2
JR-888	3.3	3.7	3.7	5.3	4.7	4.1
LPB-SD-101	4.0	3.7	3.7	4.7	4.7	4.0
LPB-SD-103	3.3	4.0	4.0	4.7	4.7	4.0
MENSA	3.7	3.3	3.7	4.7	4.3	3.9
SAVANT	3.7	3.7	4.0	5.0	3.7	3.9
LPB-SD-104	2.3	2.7	3.0	4.3	3.7	3.3
LPB-SD-105	3.0	3.0	3.0	4.0	3.7	3.2
JR-747	2.7	2.7	3.0	3.7	3.7	3.1
LINN	1.0	1.0	1.0	1.0	1.0	1.0
LSD VALUE	0.8	1.0	0.9	1.3	1.2	0.7
C.V. (%)	9.4	11.2	11.3	12.3	12.7	8.4

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

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

TABLE 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE 2016 NATIONAL PERENNIAL RYEGRASS TEST AT ST. PAUL, MN 1/ 2021 DATA

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

NAME	GENETIC COLOR	CROWN RUST	QUALITY RATINGS					MEAN
			MAY	JUN	JUL	AUG	SEP	
GATOR FORE (DLFPS-236/3544)	7.0	7.7	6.0	6.3	3.3	5.7	6.7	5.6
DLFPS-236/3556	6.3	7.0	5.3	5.3	4.0	5.7	6.3	5.3
FASTBALL 3GL (PPG-PR 329)	7.3	7.3	5.3	6.0	3.7	5.3	6.0	5.3
NP-2	6.3	7.3	5.7	6.0	3.7	5.3	6.0	5.3
PPG-PR 367	6.3	7.3	5.0	5.3	4.3	5.3	6.3	5.3
DLFPS-236/3546	7.3	7.3	5.0	4.7	3.7	5.7	7.0	5.2
PL2	7.0	7.0	6.0	5.3	3.7	5.0	6.0	5.2
SUPERSTAR GL (PPG-PR 420)	5.0	5.3	5.0	5.7	4.0	6.0	5.3	5.2
023	5.3	5.7	4.7	5.3	4.3	5.3	5.7	5.1
APPLE 3GL (PPG-PR 339)	4.7	5.0	5.3	5.7	3.3	6.0	5.0	5.1
FURLONG (LTP-FCB)	8.0	7.7	4.7	5.7	3.3	5.3	6.3	5.1
HOMERUN LS (PPG-PR 419)	5.0	6.0	4.3	5.3	4.0	5.3	6.3	5.1
OVERDRIVE 5G	4.7	5.0	5.3	5.7	4.0	5.3	5.3	5.1
PARADOX GLR (PPG-PR 331)	4.3	5.0	5.0	5.7	4.0	5.7	5.3	5.1
PR-6-15	7.0	6.3	5.7	5.3	4.0	5.0	5.7	5.1
SLIDER LS (PPG-PR 241)	5.0	5.7	5.3	5.7	3.3	5.7	5.3	5.1
STELLAR 4GL (PPG-PR 424)	5.7	7.7	5.0	5.3	3.0	5.7	6.3	5.1
021	5.0	5.3	5.0	5.0	3.7	6.0	5.3	5.0
JR-197	5.3	6.0	5.0	5.3	4.0	5.3	5.3	5.0
PPG-PR 371	5.3	5.3	5.7	6.3	3.0	5.0	5.0	5.0
PPG-PR 423	5.0	4.3	5.7	5.7	4.3	5.0	4.3	5.0
SLUGGER 3GL (PPG-PR 343)	5.7	6.7	5.0	6.3	3.0	4.7	6.0	5.0
02BS2	6.0	6.7	4.7	5.0	3.7	5.3	6.0	4.9
NP-3	5.3	6.0	5.0	5.7	3.0	5.0	5.7	4.9
PPG-PR 385	3.7	5.3	4.7	5.7	3.7	5.7	5.0	4.9
PR-5-16	4.3	4.7	5.0	6.0	3.0	5.7	5.0	4.9
SILVER SPORT (PST-2CRP)	5.7	6.7	5.0	5.3	3.0	5.3	6.0	4.9
SR 4700 (DLFPS-236/3543)	4.7	4.7	5.7	5.3	3.3	5.0	5.0	4.9
UMPQUA	5.0	6.0	4.7	5.0	4.0	5.3	5.3	4.9
XCELERATOR	4.3	5.3	4.7	5.3	3.3	5.7	5.7	4.9
02BS1	5.3	5.3	4.7	5.0	4.3	5.0	5.0	4.8
PARAGON 2 GLR (FP2)	6.3	7.0	5.0	4.7	3.7	5.0	5.7	4.8
PPG-PR 372	5.0	4.7	5.0	5.0	3.7	5.3	5.0	4.8
PPG-PR 422	5.7	6.0	5.0	4.7	4.0	5.0	5.3	4.8
ZOOM 2 (DLFPS-236/3545)	6.0	7.0	5.0	5.7	3.3	5.0	5.0	4.8
BAR LP 6164	3.7	4.0	5.3	5.7	2.7	5.7	4.0	4.7
CPN	5.0	6.0	4.7	5.3	2.7	5.3	5.7	4.7
DLFPS-236/3548	5.0	5.3	5.0	5.3	3.3	4.7	5.3	4.7
DLFPS-236/3550	3.7	3.0	5.0	6.0	4.3	4.7	3.7	4.7
DLFPS-236/3553	5.3	7.0	4.0	4.7	3.3	5.0	6.3	4.7
MAN O WAR	6.0	6.3	4.7	5.0	3.7	4.7	5.7	4.7
MYSTIQUE (DLFPS-236/3547)	7.0	7.3	4.7	5.0	3.0	4.7	6.0	4.7
PPG-PR 370	4.7	5.0	4.7	5.3	3.3	4.7	5.3	4.7
PPG-PR 421	5.3	5.7	5.3	5.3	3.3	5.3	4.3	4.7
SPIKE GLS (UF3)	6.0	7.0	5.0	5.0	4.0	4.7	5.0	4.7
SR 4650	5.0	4.7	5.0	5.7	3.3	4.7	5.0	4.7
ASP0117 (A-PR15)	4.7	5.0	5.0	5.7	2.3	5.0	5.0	4.6

TABLE 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT ST. PAUL, MN 1/
 2021 DATA

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

NAME	GENETIC COLOR	CROWN RUST	QUALITY RATINGS					MEAN
			MAY	JUN	JUL	AUG	SEP	
ASP0118GL (A-4G)	4.7	5.0	4.7	5.0	3.3	5.0	5.0	4.6
DLFPS-236/3540	4.7	3.3	5.0	5.7	3.3	5.3	3.7	4.6
FIESTA CINCO (DLFPS-236/3554)	4.3	4.7	4.7	5.3	3.0	5.3	4.7	4.6
GRAY HAWK (PST-2FIND)	5.0	5.7	4.3	5.3	3.0	5.0	5.3	4.6
IVY (PST-2GTD)	4.7	5.7	4.7	5.3	3.3	4.7	5.0	4.6
PPG-PR 360	5.3	6.3	4.7	5.3	3.3	4.3	5.3	4.6
SHIELD (02BS4)	6.0	7.0	4.7	5.0	2.7	5.0	5.7	4.6
SIGNET	4.3	5.3	5.3	5.3	3.3	4.3	4.7	4.6
ALLSTAR FORE (DLFPS-236/3541)	4.3	3.7	4.7	4.7	3.3	5.7	4.0	4.5
CS-6	4.7	4.3	5.3	5.0	3.3	4.7	4.3	4.5
DLFPS-236/3552	4.7	4.3	4.7	5.0	3.3	4.7	4.7	4.5
EVOLVE	4.3	4.3	5.0	5.0	3.3	4.3	4.7	4.5
JR-123	5.3	6.3	4.7	5.3	2.7	4.7	5.0	4.5
KARMA	4.3	4.7	4.7	5.0	3.7	5.0	4.3	4.5
PHARAOH	5.7	5.7	4.3	5.0	3.3	5.0	5.0	4.5
PST-2MAY	5.3	5.7	4.7	5.0	3.0	4.7	5.0	4.5
SAGUARO	3.3	3.0	5.0	5.0	4.0	5.0	3.3	4.5
APR3060	3.3	3.0	4.7	4.7	4.0	5.3	3.3	4.4
LPB-SD-103	3.7	5.0	4.3	5.0	2.7	5.3	4.7	4.4
PST-2EGAD	4.7	4.0	5.0	5.0	3.3	4.7	4.0	4.4
APR2616	4.3	3.3	4.3	5.0	3.3	4.7	4.0	4.3
GRAND SLAM GLD	4.3	4.7	4.3	4.7	3.3	4.7	4.3	4.3
HELIOS (DLFPS-236/3538)	3.7	4.3	4.7	5.0	2.7	4.7	4.7	4.3
PST-2A2	5.0	5.7	4.3	4.7	3.3	4.3	4.7	4.3
ALLOY (RRT)	5.7	5.3	4.0	4.7	2.7	5.0	4.7	4.2
BAR LP 6117	3.0	2.3	4.7	5.3	3.0	5.0	3.0	4.2
BAR LP 6131	3.3	3.3	5.0	5.7	2.7	4.3	3.3	4.2
BAR LP 6158	3.0	4.7	4.7	5.3	2.7	4.3	4.0	4.2
PST-2PDA	3.7	4.7	4.7	5.0	2.7	4.3	4.3	4.2
SEABISCUIT	5.0	4.7	4.3	4.7	3.3	5.0	3.7	4.2
ASP0116EXT	4.3	4.7	4.7	5.0	2.7	4.7	3.7	4.1
BAR LP 6159	3.0	4.0	4.7	5.3	2.3	4.3	3.7	4.1
DERBY XTREME	4.3	4.0	4.3	5.0	3.3	4.3	3.7	4.1
GREEN SUPREME+ (AMP-R1)	4.3	5.0	4.3	4.7	2.7	5.0	4.0	4.1
INTENSE	5.3	5.3	4.3	4.3	2.7	4.7	4.7	4.1
JR-888	2.3	3.7	3.7	4.3	3.3	5.0	4.3	4.1
PST-2BDT	5.7	5.7	4.0	4.3	3.3	4.3	4.7	4.1
PST-2FOXY	5.3	4.0	4.3	4.7	3.3	4.3	4.0	4.1
MRS�-PR16	4.7	4.0	4.0	4.7	2.7	4.3	4.3	4.0
BAR LP 6233	3.7	5.0	3.7	5.0	3.0	4.0	3.7	3.9
DLFPS-238/3014	3.7	5.3	3.3	4.3	4.3	4.0	3.7	3.9
GO-141	3.0	2.7	4.3	5.0	2.7	4.7	2.7	3.9
GRAY WOLF (PST-2GAL)	5.3	5.7	4.0	4.7	2.7	4.0	4.3	3.9
APR2612	4.7	4.0	3.7	4.3	3.0	4.0	4.0	3.8
ASP0218 (A-6D)	4.3	3.7	4.7	4.7	2.0	4.3	3.3	3.8
BRIGHTSTAR SLT	3.0	3.0	4.7	4.3	3.3	3.7	3.0	3.8
LPB-SD-101	3.0	2.3	3.3	4.0	4.0	4.7	3.0	3.8

TABLE 6. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT ST. PAUL, MN 1/
 2021 DATA

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

NAME	GENETIC COLOR	CROWN RUST	QUALITY RATINGS					MEAN
			MAY	JUN	JUL	AUG	SEP	
LPB-SD-102	4.0	5.3	3.7	4.0	3.0	4.0	3.7	3.7
MRSI-PR15	4.0	3.7	4.0	4.3	2.7	4.0	3.7	3.7
PEPPER II (RAD-PR 103)	5.7	3.3	4.0	4.3	2.7	4.0	3.7	3.7
ALLSTAR III	3.7	4.3	3.7	4.3	2.3	4.0	3.7	3.6
HATRICK (BSP-17)	4.3	4.0	3.7	3.7	2.7	4.0	4.0	3.6
MENSA	3.3	3.7	3.7	4.0	2.3	4.3	3.7	3.6
MIGHTIER (DLFPS-236/3542)	4.3	4.7	3.7	3.7	3.0	3.7	4.0	3.6
FIREBALL (BWH)	5.3	4.0	3.7	4.0	2.0	4.0	4.0	3.5
LPB-SD-105	3.3	4.0	2.5	3.0	3.7	3.7	4.3	3.5
RAD-PR 112	5.7	5.3	3.7	4.0	3.0	3.7	3.3	3.5
SAVANT	3.3	4.3	3.3	3.7	3.0	3.7	3.7	3.5
CAYMAN (GO-143)	3.3	2.7	3.7	4.0	3.0	3.3	3.0	3.4
NEXUS GT (SNX)	5.3	4.7	3.7	4.0	1.7	4.0	3.7	3.4
BELIZE 2 (GO-142)	3.0	2.7	3.7	4.3	2.0	4.0	2.7	3.3
JR-747	3.0	2.7	3.3	3.7	2.3	4.0	3.3	3.3
LPB-SD-104	3.7	3.3	3.0	3.3	2.3	4.0	3.7	3.3
BAR LP 6165	1.0	3.0	2.7	3.7	3.0	4.0	2.7	3.2
TEE-ME-UP (BSP-25)	4.0	3.7	3.3	3.7	2.0	3.0	2.7	2.9
BAR LP 6162	2.3	1.7	2.7	2.7	2.0	2.3	1.3	2.2
LINN	1.7	4.0	1.0	1.0	1.7	1.0	1.0	1.1
LSD VALUE	1.0	1.6	1.3	1.3	1.9	1.3	1.2	0.8
C.V. (%)	14.1	20.0	16.3	15.7	25.6	16.0	17.2	11.9

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 7.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/
2021 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER			RED					QUALITY RATINGS					MEAN
		SPRING	FALL	THREAD	BROWN	PATCH	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
FIESTA CINCO (DLFPS-236/3554)	7.3	94.0	90.7	8.7	8.0	6.3	5.0	5.3	5.3	5.3	4.7	5.7	6.0	5.5	
FURLONG (LTP-FCB)	7.0	94.7	84.7	9.0	9.0	6.3	5.7	5.7	5.3	5.0	4.3	5.0	5.7	5.4	
HELIOS (DLFPS-236/3538)	6.7	93.0	90.7	9.0	7.7	6.0	5.0	5.3	5.3	5.3	4.7	5.7	6.0	5.4	
SUPERSTAR GL (PPG-PR 420)	7.3	93.0	88.3	8.3	8.0	6.3	5.0	5.0	5.3	5.3	4.7	5.3	6.0	5.4	
APPLE 3GL (PPG-PR 339)	6.7	94.0	90.7	9.0	8.0	6.0	5.3	4.3	5.0	5.3	4.7	5.7	6.0	5.3	
DLFPS-236/3546	6.7	96.3	94.0	8.7	8.3	6.7	5.3	5.3	4.7	4.7	3.7	6.0	6.3	5.3	
DLFPS-236/3553	7.0	91.7	91.7	8.7	8.0	6.0	5.0	5.0	5.3	5.3	4.3	5.3	6.0	5.3	
PPG-PR 372	7.0	96.3	91.3	9.0	8.0	6.3	5.7	5.0	5.0	5.0	4.0	5.7	6.0	5.3	
MYSTIQUE (DLFPS-236/3547)	6.7	92.3	87.3	8.7	8.7	6.0	5.3	5.0	5.0	4.3	4.3	5.3	5.7	5.1	
PPG-PR 371	7.0	97.0	86.7	8.7	8.3	6.7	5.0	5.7	5.0	4.0	3.7	5.3	5.3	5.1	
PST-2FOXY	7.3	97.0	88.3	9.0	8.3	6.7	5.0	5.0	4.7	4.7	4.0	5.3	5.3	5.1	
XCELERATOR	7.0	93.7	94.0	8.7	7.7	6.3	5.0	4.7	4.7	4.7	4.0	5.7	6.0	5.1	
NP-3	6.7	91.3	80.7	8.3	8.0	6.0	5.0	4.3	5.0	5.0	4.0	5.0	5.3	5.0	
PPG-PR 370	7.0	95.7	89.0	8.7	8.0	6.3	4.7	5.0	4.7	4.3	4.0	5.3	5.7	5.0	
PPG-PR 423	6.7	92.0	87.3	8.7	8.0	6.0	5.0	4.3	4.3	4.7	4.3	5.3	5.7	5.0	
02BS2	7.0	92.3	88.0	8.3	7.7	6.0	4.0	4.0	5.0	4.7	4.3	5.3	5.7	4.9	
APR3060	6.7	92.0	90.0	8.3	7.7	6.3	4.3	4.3	4.7	4.3	4.3	5.0	5.7	4.9	
ASPO218 (A-6D)	7.0	94.7	88.0	8.7	7.7	6.3	5.3	4.3	4.7	4.3	3.7	5.0	5.3	4.9	
BAR LP 6117	6.7	95.3	86.7	8.7	7.3	6.7	4.7	4.7	5.0	4.3	4.0	5.0	5.0	4.9	
BAR LP 6233	7.0	92.3	90.0	8.0	7.0	5.7	4.7	4.7	4.3	4.7	4.0	5.3	5.7	4.9	
DLFPS-236/3552	7.3	94.0	93.0	8.3	8.0	6.0	5.0	4.3	4.3	4.3	4.0	5.7	5.7	4.9	
JR-123	7.0	91.3	87.3	8.7	7.7	6.0	4.7	4.7	4.7	4.3	4.3	5.0	5.3	4.9	
PARAGON 2 GLR (FP2)	6.7	93.3	86.7	8.7	8.0	6.3	5.0	4.7	4.3	4.0	4.0	5.3	5.7	4.9	
PEPPER II (RAD-PR 103)	6.7	95.0	85.7	8.7	8.0	6.3	4.7	4.7	4.3	4.3	4.0	5.0	5.7	4.9	
PPG-PR 367	7.0	62.0	86.7	8.3	8.0	6.0	4.7	5.0	4.7	4.3	3.7	5.0	6.0	4.9	
PPG-PR 421	7.0	96.0	86.3	8.3	8.0	6.7	4.7	4.7	4.3	4.3	4.0	5.0	5.7	4.9	
PPG-PR 422	7.0	92.3	89.0	8.3	8.3	6.3	4.3	4.3	4.7	4.7	4.0	5.3	5.7	4.9	
PR-5-16	7.0	92.0	89.0	8.0	8.0	6.0	4.7	4.7	4.3	4.7	4.0	5.3	5.3	4.9	
PST-2MAY	7.0	94.3	89.7	8.3	8.3	6.7	4.3	4.3	4.3	4.3	4.0	5.3	5.7	4.9	
SHIELD (02BS4)	6.7	93.7	85.0	8.7	8.0	6.3	4.7	4.7	4.0	4.3	4.3	5.3	5.7	4.9	
ALLOY (RRT)	7.0	95.3	81.7	8.7	8.0	6.3	4.7	4.3	4.7	4.7	3.7	4.3	5.7	4.8	
ASPO118GL (A-4G)	7.0	92.3	86.3	8.7	7.7	6.0	5.0	4.3	4.7	4.3	3.7	5.0	5.7	4.8	
DLFPS-236/3548	7.0	93.3	91.7	8.3	7.7	6.7	4.3	4.3	4.0	4.0	3.7	5.3	5.7	4.8	
DLFPS-238/3014	7.0	92.3	86.7	8.7	7.7	6.0	4.3	4.3	4.7	4.7	4.0	5.0	5.3	4.8	
GATOR FORE (DLFPS-236/3544)	6.7	90.7	90.0	8.0	7.7	6.0	4.3	4.0	4.7	4.7	4.0	5.0	5.3	4.8	
HATRICK (BSP-17)	7.0	91.3	86.7	8.7	8.0	6.0	5.3	4.3	5.3	4.0	3.3	5.0	5.0	4.8	
PL2	7.0	93.0	86.3	8.3	7.7	6.7	5.0	4.3	4.0	4.3	3.7	4.7	5.3	4.8	
PPG-PR 385	6.3	93.0	87.3	8.3	7.0	6.3	4.3	4.0	4.3	4.3	4.3	5.3	5.3	4.8	
SEABISCUIT	6.7	94.7	90.0	8.3	7.3	6.3	4.3	3.7	4.0	4.7	4.0	5.0	6.0	4.8	
SILVER SPORT (PST-2CRP)	7.3	93.0	84.0	8.3	7.7	6.3	4.7	4.3	4.3	4.3	3.7	4.7	5.7	4.8	
SLIDER LS (PPG-PR 241)	7.3	93.0	86.7	8.3	8.0	6.7	5.0	4.3	4.3	4.3	3.7	4.7	5.7	4.8	
SLUGGER 3GL (PPG-PR 343)	7.3	93.7	82.3	9.0	8.0	6.3	5.3	4.3	4.3	4.3	3.7	5.0	5.3	4.8	
FASTBALL 3GL (PPG-PR 329)	7.0	94.7	79.0	8.3	8.0	6.3	5.0	4.7	4.7	4.0	3.7	4.7	4.7	4.7	
HOMERUN LS (PPG-PR 419)	7.0	92.3	88.3	7.7	7.0	6.0	4.0	4.0	4.0	4.7	4.0	5.3	5.3	4.7	
021	7.3	93.7	81.7	8.3	7.3	6.0	4.3	4.0	4.7	4.7	4.0	4.7	4.7	4.6	
BAR LP 6158	6.7	93.3	87.3	8.0	7.0	6.3	4.3	3.7	4.0	4.3	3.7	5.0	5.3	4.6	
BAR LP 6164	6.7	92.3	86.3	9.0	7.3	5.7	4.3	4.3	4.7	4.3	3.7	4.7	5.3	4.6	

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/
2021 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER	RED THREAD	BROWN PATCH	APR	MAY	JUN	QUALITY RATINGS						MEAN
								SPRING	FALL	JUL	AUG	SEP	OCT		NOV
CAYMAN (GO-143)	6.7	89.7	77.3	8.7	8.0	6.0	5.0	4.7	4.3	3.7	3.3	4.7	5.0	4.6
DLFPS-236/3550	6.7	89.7	76.7	8.7	7.3	5.7	5.0	4.7	4.0	4.3	3.3	4.3	5.3	4.6
PHARAOH	7.0	90.7	87.3	7.7	7.7	5.7	4.3	3.7	4.3	4.3	4.0	5.0	5.3	4.6
PPG-PR 360	6.3	89.7	80.0	8.3	7.7	5.7	4.7	4.3	4.7	4.3	3.7	4.3	5.3	4.6
PST-2EGAD	6.3	90.7	83.3	8.0	6.7	5.7	4.3	4.0	4.0	4.3	4.0	5.0	5.3	4.6
SR 4700 (DLFPS-236/3543)	6.3	86.3	81.7	8.7	8.0	5.3	5.0	4.3	4.0	4.3	3.7	4.7	5.3	4.6
STELLAR 4GL (PPG-PR 424)	6.7	90.7	90.7	7.7	7.3	5.7	4.0	3.7	4.3	4.3	4.0	5.3	5.3	4.6
023	6.7	94.0	85.0	7.3	7.0	6.0	4.3	4.3	4.3	3.7	3.3	4.7	5.7	4.5
APR2616	7.0	93.0	81.7	9.0	8.0	6.0	5.0	4.7	4.3	3.7	3.3	4.0	5.0	4.5
GRAY WOLF (PST-2GAL)	7.3	91.3	88.0	8.3	7.7	5.7	4.7	4.0	4.0	4.3	3.7	4.7	5.3	4.5
IVY (PST-2GTD)	7.0	87.7	83.3	8.3	8.0	5.7	5.0	4.0	4.0	4.3	3.7	4.7	4.7	4.5
JR-197	6.7	91.3	80.0	8.3	7.7	5.3	4.7	4.3	4.3	4.7	3.7	4.3	5.0	4.5
NP-2	7.0	92.0	75.7	8.3	8.0	6.0	4.7	3.7	4.3	4.3	3.7	4.7	5.0	4.5
BAR LP 6131	7.0	91.3	80.0	8.7	6.7	6.0	4.3	4.0	4.0	4.0	3.7	4.7	4.7	4.4
CPN	7.0	93.7	81.7	8.3	7.3	6.3	4.3	3.3	4.0	4.0	3.3	4.7	5.0	4.4
DLFPS-236/3556	6.7	89.7	78.3	8.3	7.3	5.7	4.7	4.0	4.3	3.7	3.3	4.0	5.3	4.4
MRSL-PR16	7.0	88.3	75.0	8.3	7.7	5.7	5.0	4.3	4.3	3.7	3.3	4.0	4.7	4.4
PST-2BDT	7.0	90.0	75.0	8.0	8.0	5.7	4.7	3.7	4.0	4.0	3.3	4.3	5.3	4.4
02BS1	6.3	86.7	81.7	8.3	7.3	5.3	4.3	3.3	4.0	4.3	3.7	4.7	4.7	4.3
APR2612	6.7	82.3	77.3	8.7	7.3	5.0	4.7	4.3	4.0	3.7	3.3	4.7	4.7	4.3
BAR LP 6159	7.0	89.0	81.7	8.3	6.3	5.7	4.0	4.3	3.7	3.7	3.3	4.3	5.0	4.3
FIREBALL (BWH)	7.3	88.3	80.0	8.3	7.3	5.3	4.7	4.0	4.0	4.0	3.3	4.3	4.7	4.3
GRAND SLAM GLD	6.7	91.3	75.0	8.7	8.0	6.0	4.7	4.0	4.0	4.0	3.7	3.7	4.3	4.3
GRAY HAWK (PST-2FIND)	6.7	86.7	85.0	8.7	8.0	5.3	4.3	3.7	3.3	4.3	3.7	4.7	4.7	4.3
JR-888	6.3	91.7	81.7	7.7	7.0	5.7	4.0	3.7	4.0	3.3	3.3	4.7	5.3	4.3
OVERDRIVE 5G	6.7	85.0	78.3	8.3	8.3	5.0	4.0	3.3	4.3	4.3	3.7	4.7	4.7	4.3
TEE-ME-UP (BSP-25)	7.7	85.7	76.7	8.7	7.7	5.7	5.0	4.3	4.0	3.7	3.0	4.3	4.3	4.3
BAR LP 6162	6.7	90.7	71.7	8.3	7.3	5.7	4.3	5.0	4.0	3.7	3.0	3.7	4.3	4.2
EVOLVE	6.7	89.7	73.3	8.3	6.3	5.7	4.0	3.7	4.3	3.7	3.0	4.0	5.0	4.2
SPIKE GLS (UF3)	6.3	87.3	73.3	8.3	8.7	5.3	5.0	4.7	4.3	3.3	3.0	3.7	4.0	4.2
ASP0117 (A-PR15)	7.3	90.0	82.3	8.7	8.3	5.3	4.7	4.3	3.7	3.7	3.0	4.0	4.3	4.1
CS-6	6.3	80.7	71.7	8.7	8.0	5.0	4.3	4.0	3.7	3.7	3.3	4.3	4.3	4.1
DERBY XTREME	6.7	86.7	76.7	8.0	8.0	5.0	4.3	3.3	4.0	3.7	3.3	4.3	5.0	4.1
DLFPS-236/3540	6.7	88.3	71.7	7.3	7.0	5.3	4.0	3.7	3.7	4.0	3.3	4.3	4.3	4.1
MIGHTIER (DLFPS-236/3542)	6.7	89.7	80.0	8.0	7.7	5.3	4.7	3.7	3.7	3.3	3.0	4.3	4.7	4.1
NEXUS GT (SNX)	6.7	88.3	75.0	8.0	7.7	5.7	4.3	4.0	4.3	3.7	3.0	3.7	4.0	4.1
PARADOX GLR (PPG-PR 331)	6.7	85.7	71.7	8.7	8.3	5.3	4.7	3.7	3.7	4.0	3.3	4.0	4.3	4.1
BAR LP 6165	5.7	85.7	75.0	8.0	7.7	5.0	4.7	4.3	3.7	3.3	2.7	4.0	4.3	4.0
GREEN SUPREME+ (AMP-R1)	6.7	87.3	78.3	8.7	7.0	5.3	4.3	3.7	3.3	3.7	3.0	4.0	4.3	4.0
MENSA	6.3	83.3	75.0	8.0	6.7	5.0	4.3	3.7	4.0	4.0	3.0	3.7	4.3	4.0
PR-6-15	6.7	84.0	76.7	8.3	8.3	5.3	4.3	3.7	3.3	3.7	3.0	4.3	4.7	4.0
RAD-PR 112	7.0	91.7	76.7	8.3	7.7	6.0	4.0	3.3	3.3	3.7	3.3	4.0	4.7	4.0
SIGNET	6.3	86.7	81.7	8.0	7.0	5.3	4.3	3.3	4.0	3.7	3.0	4.0	4.3	4.0
ZOOM 2 (DLFPS-236/3545)	6.7	90.7	73.3	8.0	7.3	5.7	4.7	3.7	3.7	3.7	3.0	3.7	4.3	4.0
ALLSTAR FORE (DLFPS-236/3541)	6.3	81.3	72.3	9.0	8.7	5.0	4.7	3.7	3.7	3.0	2.7	4.0	4.3	3.9
ASP0116EXT	7.0	85.7	75.0	8.3	7.7	5.0	4.3	3.7	3.7	3.7	3.3	3.3	4.0	3.9
PST-2A2	6.0	75.0	68.3	8.7	8.0	5.0	4.3	3.3	3.7	3.7	3.3	3.7	4.0	3.9

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT COLUMBIA, MO 1/
2021 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER SPRING	COVER FALL	RED THREAD	BROWN PATCH	APR	MAY	QUALITY RATINGS					MEAN	
								JUN	JUL	AUG	SEP	OCT		NOV
PST-2PDA	6.3	83.3	80.0	8.0	6.3	5.0	4.0	3.3	3.7	3.3	2.7	4.3	4.7	3.9
SAVANT	6.3	85.7	70.0	8.3	7.3	5.0	4.0	4.0	3.7	3.7	3.0	3.7	4.0	3.9
BELIZE 2 (GO-142)	6.3	79.7	68.3	8.3	6.7	4.7	4.0	3.7	3.3	3.7	3.0	4.0	4.3	3.8
BRIGHTSTAR SLT	7.0	90.7	68.3	7.7	7.3	6.0	4.0	3.3	4.0	3.0	2.7	3.3	3.7	3.8
MAN O WAR	6.3	68.3	65.7	8.7	8.0	4.7	4.3	3.7	3.7	3.7	3.0	3.7	4.0	3.8
MRSL-PR15	6.7	85.7	84.0	8.0	7.7	5.0	4.0	3.3	3.7	3.3	3.0	4.0	4.3	3.8
UMPQUA	7.0	75.7	71.7	8.3	7.3	5.0	4.0	3.3	3.3	3.3	3.0	4.0	4.7	3.8
ALLSTAR III	6.7	76.7	66.7	8.3	7.3	5.0	4.0	3.0	3.0	3.3	3.0	4.0	4.3	3.7
LPB-SD-102	5.7	70.0	63.3	8.0	7.7	4.0	4.0	3.7	3.3	3.3	3.0	4.0	4.0	3.7
SAGUARO	6.0	85.0	66.7	8.0	6.3	5.3	4.0	3.3	3.3	3.3	3.0	3.3	3.7	3.7
GO-141	6.0	71.7	60.0	8.7	7.7	4.3	4.3	3.7	3.3	3.3	3.0	3.3	3.7	3.6
KARMA	6.3	80.7	70.0	8.0	7.3	4.7	4.0	3.0	3.7	3.0	2.3	3.3	4.3	3.5
LPB-SD-105	6.0	79.0	51.7	8.0	8.0	4.7	4.3	3.3	3.3	3.0	2.7	3.3	3.7	3.5
JR-747	6.3	80.0	51.7	8.0	6.7	5.0	3.7	3.0	3.0	3.0	2.7	3.3	3.3	3.4
SR 4650	6.3	81.7	66.7	7.3	7.0	4.7	4.3	3.0	2.7	3.0	2.7	3.3	3.7	3.4
LPB-SD-104	6.0	63.3	61.7	8.3	8.0	4.0	3.7	2.7	3.0	3.0	3.0	3.3	4.0	3.3
INTENSE	6.3	66.7	51.7	8.0	7.3	4.7	3.7	2.7	3.0	3.0	2.3	2.7	3.0	3.1
LPB-SD-101	6.0	75.0	55.0	8.3	7.7	4.7	3.7	3.0	3.0	2.3	2.3	3.0	3.0	3.1
LPB-SD-103	6.0	53.3	50.0	8.3	8.0	4.0	3.3	2.7	2.7	2.7	2.3	2.7	2.7	2.9
LINN	4.3	66.7	45.0	7.3	5.7	4.7	3.7	2.3	3.0	2.0	2.0	2.3	2.3	2.8
LSD VALUE	0.9	18.1	17.5	2.0	1.2	1.6	1.1	1.3	1.3	1.5	1.3	1.3	1.3	0.9
C.V. (%)	7.3	10.7	12.7	7.1	8.3	13.7	12.3	17.2	17.0	18.6	18.8	16.5	15.7	11.8

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

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

TABLE 8.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
PPG-PR 372	7.0	7.0	7.3	7.3	7.3	7.0	7.0	7.3	6.7	7.1
BAR LP 6117	7.0	6.3	6.0	7.3	7.3	6.7	7.0	7.7	6.7	7.0
CAYMAN (GO-143)	7.0	6.7	6.3	7.3	7.3	7.3	7.3	7.3	6.3	7.0
DLFPS-236/3552	7.7	7.3	7.3	7.7	7.3	7.0	6.7	6.7	6.7	7.0
PPG-PR 370	7.3	6.7	6.7	7.3	7.3	7.3	7.0	7.0	6.0	7.0
PPG-PR 421	7.3	7.0	7.0	7.0	7.0	7.3	7.3	7.0	6.7	7.0
PR-6-15	7.0	6.3	6.7	7.3	7.0	7.0	7.0	7.0	6.7	7.0
STELLAR 4GL (PPG-PR 424)	7.0	6.7	7.0	7.0	7.0	7.0	7.7	7.0	6.3	7.0
APPLE 3GL (PPG-PR 339)	7.3	7.0	6.3	7.0	7.0	7.0	7.3	7.3	6.3	6.9
PPG-PR 371	7.0	6.7	6.3	7.7	7.7	7.0	7.0	6.3	6.0	6.9
PST-2EGAD	7.0	6.7	6.7	7.3	7.0	6.3	7.0	7.0	6.7	6.9
SR 4700 (DLFPS-236/3543)	7.0	6.7	6.7	7.3	7.0	7.3	7.0	6.7	6.3	6.9
02BS1	7.3	7.0	7.0	6.7	7.0	7.0	7.0	6.7	6.3	6.8
CPN	7.3	7.0	7.0	7.0	7.0	6.7	7.0	6.3	6.3	6.8
DLFPS-236/3540	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.0	6.8
FASTBALL 3GL (PPG-PR 329)	7.0	7.0	6.3	7.0	7.0	6.3	7.0	7.0	6.7	6.8
FURLONG (LTP-FCB)	6.3	6.3	6.7	7.3	7.3	7.7	6.7	6.0	6.0	6.8
JR-197	7.0	7.0	6.7	7.0	7.0	6.7	7.0	7.0	6.3	6.8
MYSTIQUE (DLFPS-236/3547)	7.3	6.7	6.7	7.3	7.0	6.7	7.0	7.0	6.0	6.8
SIGNET	7.0	6.7	7.0	7.3	7.0	7.0	7.0	6.0	6.0	6.8
ALLOY (RRT)	6.7	6.7	6.3	7.0	7.0	7.0	7.0	6.7	6.0	6.7
APR2616	6.7	6.7	6.3	6.7	7.0	7.3	6.7	6.7	6.3	6.7
APR3060	7.0	6.7	6.7	6.7	7.0	7.0	6.7	6.7	6.3	6.7
ASP0117 (A-PR15)	7.3	6.3	6.7	7.3	7.0	6.7	6.7	6.7	5.7	6.7
BAR LP 6159	6.3	6.3	6.3	7.3	7.3	7.0	6.7	6.3	6.0	6.7
DERBY XTREME	7.0	6.3	6.3	7.0	7.0	7.3	6.7	6.3	6.0	6.7
DLFPS-236/3553	7.0	6.3	6.7	6.7	6.7	7.0	7.3	6.7	6.0	6.7
HOMERUN LS (PPG-PR 419)	7.0	6.7	7.0	6.7	7.0	6.7	6.3	6.3	6.7	6.7
PARAGON 2 GLR (FP2)	6.7	7.0	6.7	6.7	7.0	6.3	6.7	6.7	6.7	6.7
PHARAOH	6.7	6.7	6.7	7.0	7.0	7.0	6.7	6.3	6.0	6.7
PST-2BDT	7.3	7.3	7.3	7.0	7.0	6.7	6.7	6.3	6.0	6.7
ALLSTAR FORE (DLFPS-236/3541)	7.3	6.7	6.3	7.3	7.0	6.7	6.7	6.7	5.7	6.6
DLFPS-236/3546	6.3	6.3	6.3	7.0	7.0	7.3	6.7	6.0	6.0	6.6
GATOR FORE (DLFPS-236/3544)	6.7	7.0	7.0	7.0	6.7	6.7	6.3	6.7	6.0	6.6
LPB-SD-102	7.0	6.3	6.0	7.7	7.0	6.7	6.7	6.3	5.7	6.6
OVERDRIVE 5G	7.0	6.7	7.0	7.0	7.0	6.3	6.7	6.3	6.0	6.6
PPG-PR 360	7.0	6.3	6.7	7.0	7.0	7.0	6.7	6.0	5.7	6.6
PPG-PR 422	7.0	6.7	7.0	7.0	7.0	6.7	6.3	6.0	6.0	6.6
SLIDER LS (PPG-PR 241)	7.0	6.7	6.7	7.0	7.0	6.3	6.7	6.3	6.0	6.6
ZOOM 2 (DLFPS-236/3545)	7.7	6.7	6.7	7.3	7.0	6.7	6.3	6.3	5.7	6.6
ASP0118GL (A-4G)	7.0	7.0	6.0	6.7	7.0	6.7	6.7	6.3	6.0	6.5
DLFPS-236/3548	6.7	6.0	6.3	7.0	7.0	7.0	6.7	6.0	5.7	6.5
DLFPS-236/3550	7.0	6.3	6.3	6.7	6.7	6.3	6.7	6.7	6.0	6.5
GRAY HAWK (PST-2FIND)	6.3	6.3	6.3	7.0	7.0	6.7	6.7	6.3	5.7	6.5
GRAY WOLF (PST-2GAL)	7.0	6.7	7.0	7.0	7.0	6.7	6.3	6.0	5.7	6.5
MIGHTIER (DLFPS-236/3542)	6.7	6.7	6.7	7.0	7.0	7.0	6.3	5.7	5.7	6.5
NP-3	7.0	6.7	6.7	7.3	7.0	7.3	6.3	5.3	5.3	6.5

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2021 DATA

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

NAME	GENETIC		SPRING			QUALITY RATINGS				MEAN
	COLOR	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	
PL2	6.7	6.7	6.7	7.3	7.0	5.7	6.3	6.3	6.0	6.5
PPG-PR 367	6.3	6.3	6.7	7.0	7.0	7.0	6.3	5.3	6.0	6.5
PST-2MAY	7.3	6.3	6.0	6.7	7.0	7.3	7.0	6.0	5.7	6.5
PST-2PDA	6.3	6.7	6.3	6.7	7.0	6.7	6.3	6.7	6.0	6.5
SILVER SPORT (PST-2CRP)	7.0	6.7	6.7	7.3	7.0	6.7	6.0	5.7	6.0	6.5
SPIKE GLS (UF3)	7.0	6.7	6.3	7.0	7.0	6.7	6.7	6.3	5.7	6.5
SUPERSTAR GL (PPG-PR 420)	7.3	6.7	7.0	6.7	6.7	6.7	6.7	6.0	6.0	6.5
023	6.3	6.3	6.3	7.3	7.0	6.0	6.3	6.3	5.7	6.4
02BS2	7.0	6.3	6.0	7.0	7.0	6.7	6.7	6.0	5.7	6.4
APR2612	7.0	6.3	6.0	6.3	7.0	7.0	6.3	6.0	6.0	6.4
ASP0116EXT	7.0	6.3	6.3	7.3	7.0	6.7	6.0	6.0	5.3	6.4
BELIZE 2 (GO-142)	7.0	6.7	6.3	7.0	7.0	6.3	6.3	6.0	5.7	6.4
HELIOS (DLFPS-236/3538)	6.7	6.3	6.3	7.0	7.0	6.7	6.3	6.3	5.3	6.4
JR-747	6.7	6.3	6.3	7.3	7.0	6.0	6.3	6.0	5.7	6.4
KARMA	7.0	6.3	6.3	7.0	7.0	6.7	6.3	6.0	5.3	6.4
NP-2	7.3	6.7	6.7	7.0	7.0	6.7	6.0	5.7	5.7	6.4
PARADOX GLR (PPG-PR 331)	7.0	6.3	6.3	6.7	6.7	6.3	6.3	6.3	6.3	6.4
PPG-PR 423	7.0	6.7	6.3	6.7	7.0	6.7	6.3	6.3	5.7	6.4
PR-5-16	6.7	6.3	6.3	7.0	7.0	6.3	6.3	6.3	5.7	6.4
PST-2A2	7.0	5.7	6.3	7.0	7.0	7.3	6.3	5.3	5.7	6.4
PST-2FOXY	7.3	6.3	6.3	7.3	7.0	6.3	6.0	6.0	6.0	6.4
SEABISCUIT	6.3	6.0	6.7	6.3	6.3	6.7	6.3	6.3	6.0	6.4
SHIELD (02BS4)	6.7	6.7	6.7	6.3	6.7	6.3	6.3	6.7	6.0	6.4
SLUGGER 3GL (PPG-PR 343)	6.7	6.0	6.0	6.7	6.7	7.0	6.7	6.0	6.0	6.4
021	6.7	6.7	6.7	6.3	6.3	6.7	6.7	6.3	5.3	6.3
BAR LP 6164	7.3	7.0	6.7	7.0	7.0	6.7	6.0	5.7	5.3	6.3
BRIGHTSTAR SLT	7.3	7.0	7.0	7.0	6.7	6.3	6.0	5.3	5.7	6.3
CS-6	7.0	5.7	6.3	7.0	7.0	6.7	6.0	6.0	5.3	6.3
DLFPS-236/3556	6.7	6.3	6.3	6.7	7.0	7.0	6.0	6.0	5.3	6.3
EVOLVE	6.7	6.7	6.3	6.7	6.7	6.0	6.0	6.0	6.3	6.3
FIESTA CINCO (DLFPS-236/3554)	7.0	6.7	6.3	7.3	7.0	6.3	6.0	6.3	5.0	6.3
FIREBALL (BWH)	7.7	6.7	6.3	6.7	7.0	7.0	6.3	5.3	5.3	6.3
HATRICK (BSP-17)	7.3	6.7	6.0	7.0	7.0	6.3	6.0	6.0	5.7	6.3
IVY (PST-2GTD)	6.7	6.7	6.7	7.0	6.3	5.7	6.3	6.3	5.7	6.3
JR-123	7.3	6.7	6.0	6.7	6.7	6.7	6.7	6.0	5.3	6.3
LPB-SD-104	6.3	6.3	6.0	7.3	7.0	6.0	6.0	6.3	5.3	6.3
MENSA	6.3	6.3	6.3	6.7	6.7	6.0	6.7	6.0	5.7	6.3
MRSL-PR15	7.0	6.7	6.3	6.7	6.7	6.0	6.3	6.0	6.3	6.3
SAGUARO	6.7	6.7	6.0	7.0	7.0	6.0	6.7	6.0	5.7	6.3
ALLSTAR III	7.0	6.7	6.7	7.3	7.0	6.0	6.0	5.7	5.0	6.2
BAR LP 6131	7.0	7.0	7.0	6.7	6.3	5.7	6.0	5.7	6.3	6.2
BAR LP 6233	6.0	7.0	6.7	6.3	6.3	6.0	6.0	6.3	6.0	6.2
GO-141	6.7	6.7	6.3	6.3	6.7	6.3	6.0	6.0	5.7	6.2
GREEN SUPREME+ (AMP-R1)	7.7	6.0	6.0	7.3	7.0	6.3	6.0	5.7	5.3	6.2
LPB-SD-101	6.7	6.7	6.3	7.0	7.0	5.7	6.0	5.7	6.0	6.2
LPB-SD-103	7.0	6.7	6.0	6.7	7.0	6.0	6.0	5.7	6.0	6.2
LPB-SD-105	7.0	6.3	6.0	7.0	7.0	5.7	6.3	6.3	5.3	6.2

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT MEAD, NE 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
MRSL-PR16	7.0	6.7	6.0	6.7	6.7	5.7	6.3	6.3	5.7	6.2
PEPPER II (RAD-PR 103)	7.7	6.3	6.0	7.3	7.0	6.3	6.0	5.3	5.7	6.2
SR 4650	6.7	6.3	6.0	6.7	7.0	6.7	6.0	6.0	5.3	6.2
UMPQUA	7.3	6.3	6.7	7.0	6.7	6.3	6.0	5.7	5.3	6.2
XCELERATOR	7.0	7.0	6.3	6.3	6.7	6.3	6.0	6.0	6.0	6.2
ASP0218 (A-6D)	6.7	6.3	6.0	6.3	6.3	6.0	6.0	6.0	6.3	6.1
BAR LP 6162	7.0	6.7	6.3	6.7	6.7	6.7	6.0	5.7	5.0	6.1
DLFPS-238/3014	6.3	6.0	6.0	6.3	6.3	6.3	6.3	6.0	5.3	6.1
GRAND SLAM GLD	7.0	6.3	6.3	7.0	7.0	6.0	6.0	5.3	5.3	6.1
JR-888	6.0	6.7	7.0	7.0	6.3	6.0	5.7	5.7	5.0	6.1
MAN O WAR	6.7	6.3	6.3	6.7	7.0	6.3	6.0	5.7	5.0	6.1
SAVANT	6.0	6.3	6.0	6.7	6.7	6.0	6.0	6.0	5.3	6.1
TEE-ME-UP (BSP-25)	7.3	6.3	6.0	6.7	7.0	6.7	6.0	5.3	5.3	6.1
BAR LP 6158	6.3	6.0	6.0	6.7	6.3	6.0	6.0	5.7	5.3	6.0
INTENSE	7.0	7.0	6.0	6.7	6.7	6.0	6.0	5.7	5.3	6.0
NEXUS GT (SNX)	7.0	6.3	6.0	6.7	6.7	6.3	6.0	5.3	5.0	6.0
PPG-PR 385	6.7	6.0	6.3	6.7	6.7	5.7	5.7	5.7	5.0	6.0
RAD-PR 112	7.3	6.0	6.0	7.3	6.3	6.0	5.0	4.7	4.3	5.7
BAR LP 6165	5.0	5.7	6.0	5.3	6.0	5.3	5.0	5.0	4.0	5.2
LINN	6.0	5.7	5.0	5.0	5.3	5.3	5.3	4.3	4.0	4.9
LSD VALUE	1.2	1.6	1.8	1.0	0.7	1.2	0.8	1.6	1.5	0.5
C.V. (%)	7.7	7.8	8.9	7.1	5.0	9.2	6.9	11.7	11.6	4.6

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

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

TABLE 9.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2021 DATA

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

NAME	WEAR TOLERANCE	PERCENT GROUND COVER TRAFFIC	PERCENT POA ANNUA NO TRAFFIC	QUALITY RATINGS							MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	
DLFPS-236/3546	3.3	41.7	0.0	6.7	6.7	6.7	6.3	7.3	7.7	6.7	6.9
FURLONG (LTP-FCB)	3.3	40.0	0.0	7.3	8.7	7.0	6.3	5.7	5.7	7.0	6.8
MYSTIQUE (DLFPS-236/3547)	3.7	35.0	0.0	7.0	5.3	6.7	6.7	6.7	7.7	7.0	6.7
STELLAR 4GL (PPG-PR 424)	2.7	36.7	0.0	7.0	7.0	5.3	6.0	7.0	7.7	6.3	6.6
DLFPS-236/3556	3.3	46.7	3.3	6.7	6.3	7.0	5.7	7.0	6.7	6.3	6.5
021	3.0	38.3	5.0	6.3	5.7	6.7	6.0	6.3	7.3	6.7	6.4
JR-197	2.7	38.3	1.7	6.3	6.7	5.3	6.3	7.0	6.7	6.3	6.4
023	2.7	40.0	3.3	6.3	6.7	6.3	5.7	6.7	5.7	6.7	6.3
02BS2	2.3	35.0	1.7	7.0	6.3	6.0	4.7	7.3	6.7	6.0	6.3
MAN O WAR	2.7	30.0	8.3	6.7	6.0	6.0	5.3	7.0	6.3	7.0	6.3
SLUGGER 3GL (PPG-PR 343)	2.3	36.7	1.7	6.7	7.7	6.3	5.0	6.7	5.7	6.0	6.3
UMPQUA	2.0	25.0	6.7	6.0	6.7	5.3	5.3	6.7	7.3	7.0	6.3
PPG-PR 421	2.0	30.0	0.0	7.0	7.7	5.3	4.3	6.7	6.0	6.3	6.2
SR 4700 (DLFPS-236/3543)	4.3	38.3	1.7	6.3	6.7	6.3	6.3	6.3	5.7	6.0	6.2
ALLOY (RRT)	2.7	33.3	1.7	6.7	6.3	6.0	5.3	6.3	6.0	6.3	6.1
DLFPS-236/3548	2.7	48.3	3.3	6.3	6.7	5.7	5.3	6.3	6.3	6.0	6.1
FIESTA CINCO (DLFPS-236/3554)	3.0	40.0	1.7	6.7	6.7	6.0	4.7	6.3	6.3	6.3	6.1
PL2	2.3	33.3	0.0	6.7	6.0	5.3	5.0	6.3	7.0	6.3	6.1
SHIELD (02BS4)	2.0	30.0	1.7	6.3	6.0	6.3	5.7	6.3	5.7	6.3	6.1
ZOOM 2 (DLFPS-236/3545)	3.0	36.7	3.3	6.3	5.7	6.0	5.7	5.7	6.7	6.7	6.1
HELIOS (DLFPS-236/3538)	3.0	51.7	6.7	5.7	6.3	6.3	5.7	6.0	6.3	5.7	6.0
XCELERATOR	2.3	43.3	5.0	6.3	6.7	5.7	5.3	5.3	6.7	5.3	5.9
ALLSTAR FORE (DLFPS-236/3541)	3.3	40.0	1.7	6.7	6.7	6.3	5.3	5.0	4.7	6.0	5.8
APPLE 3GL (PPG-PR 339)	1.7	26.7	5.0	6.0	6.3	6.3	5.0	5.7	5.3	5.7	5.8
DLFPS-236/3552	2.0	33.3	1.7	6.3	5.0	6.0	4.7	6.3	7.0	5.3	5.8
NP-3	3.0	40.0	3.3	6.0	6.3	6.3	5.3	5.7	5.0	6.0	5.8
PPG-PR 372	2.7	33.3	6.7	5.7	6.7	5.3	5.3	6.0	6.7	5.0	5.8
PPG-PR 423	2.3	31.7	3.3	6.0	5.7	5.3	5.7	6.3	5.3	6.0	5.8
SUPERSTAR GL (PPG-PR 420)	2.0	30.0	3.3	6.0	7.3	5.3	4.7	6.7	5.0	5.3	5.8
BAR LP 6165	3.3	60.0	15.0	5.3	3.7	4.7	6.3	6.7	6.3	6.7	5.7
HOMERUN LS (PPG-PR 419)	2.0	31.7	3.3	6.0	6.3	5.7	4.7	5.7	6.7	5.0	5.7
NP-2	2.7	38.3	1.7	6.3	6.3	5.7	5.0	5.7	5.7	5.3	5.7
PHARAOH	2.7	31.7	6.7	5.0	5.0	6.0	5.0	5.3	6.7	6.7	5.7
PPG-PR 360	1.7	35.0	0.0	6.3	6.0	6.0	4.0	6.0	5.0	6.3	5.7
PPG-PR 370	2.0	33.3	6.7	6.7	7.0	5.7	3.7	6.0	4.7	6.0	5.7
PPG-PR 371	2.0	28.3	1.7	6.0	6.3	6.0	4.0	6.0	5.7	6.0	5.7
SEABISCUIT	2.3	30.0	5.0	5.0	5.7	5.7	5.3	5.7	5.7	6.7	5.7
FASTBALL 3GL (PPG-PR 329)	2.3	30.0	1.7	6.3	6.0	5.0	4.7	6.0	5.7	5.7	5.6
SPIKE GLS (UF3)	2.3	28.3	3.3	6.7	5.0	5.7	5.3	5.0	5.3	6.0	5.6
SR 4650	2.3	33.3	6.7	6.3	6.0	5.3	4.7	5.3	5.3	6.3	5.6
APR2616	2.0	26.7	8.3	6.3	6.0	5.0	4.7	6.0	4.3	6.3	5.5
CPN	2.3	36.7	6.7	5.7	5.0	4.7	5.3	6.3	6.0	5.3	5.5
GRAY WOLF (PST-2GAL)	2.0	23.3	5.0	6.7	5.7	5.3	5.0	5.7	4.7	5.7	5.5
INTENSE	2.3	28.3	8.3	6.7	5.3	5.7	5.3	5.0	4.7	6.0	5.5
MIGHTIER (DLFPS-236/3542)	3.0	41.7	3.3	5.3	5.7	5.3	5.3	5.7	5.3	6.0	5.5
OVERDRIVE 5G	2.7	41.7	13.3	5.7	5.3	5.0	5.7	5.7	5.3	5.7	5.5
BAR LP 6233	2.3	38.3	10.0	5.3	5.3	5.3	4.7	6.0	5.7	5.3	5.4

TABLE 9.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2021 DATA

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

NAME	WEAR TOLERANCE	PERCENT		PERCENT			QUALITY RATINGS				OCT	MEAN
		GROUND COVER TRAFFIC	POA ANNUA NO TRAFFIC	APR	MAY	JUN	JUL	AUG	SEP			
DLFPS-236/3550	2.0	36.7	6.7	5.7	5.0	5.3	4.3	5.7	5.7	6.0	5.4	
GRAND SLAM GLD	2.3	33.3	3.3	5.3	5.7	6.0	4.7	6.0	5.3	5.0	5.4	
PR-5-16	2.3	31.7	10.0	6.3	6.0	5.3	4.7	5.0	4.7	6.0	5.4	
PST-2A2	2.3	36.7	10.0	6.0	5.7	5.0	4.3	5.3	5.3	5.7	5.3	
APR2612	2.3	26.7	10.0	4.7	5.3	4.7	5.0	6.0	5.7	5.3	5.2	
DLFPS-236/3553	2.0	26.7	3.3	5.3	5.7	4.7	4.0	5.3	5.7	5.7	5.2	
GATOR FORE (DLFPS-236/3544)	2.3	21.7	6.7	6.0	6.0	4.0	5.0	5.0	5.0	5.7	5.2	
IVY (PST-2GTD)	2.0	31.7	1.7	5.3	5.3	5.7	4.3	5.0	5.3	5.7	5.2	
PARADOX GLR (PPG-PR 331)	2.3	25.0	5.0	5.0	5.7	5.0	5.3	6.0	4.3	5.0	5.2	
PPG-PR 422	2.0	23.3	3.3	5.3	5.0	5.3	4.7	6.3	5.3	4.7	5.2	
PR-6-15	2.3	30.0	3.3	5.7	5.0	5.7	4.7	5.0	4.7	5.7	5.2	
02BS1	2.3	26.7	5.0	5.0	5.3	4.7	4.7	5.7	5.0	5.7	5.1	
PARAGON 2 GLR (FP2)	1.3	25.0	6.7	5.3	5.3	5.0	3.7	5.3	4.7	6.3	5.1	
PPG-PR 385	2.3	26.7	6.7	6.3	5.7	5.0	5.0	4.7	4.3	4.7	5.1	
SIGNET	2.0	26.7	5.0	6.3	6.3	4.7	4.0	5.0	4.3	5.0	5.1	
JR-888	3.0	46.7	20.0	5.0	4.3	5.7	5.0	4.7	4.3	5.7	5.0	
PST-2PDA	2.0	31.7	8.3	5.7	5.0	4.3	4.7	4.7	5.3	5.7	5.0	
SILVER SPORT (PST-2CRP)	2.0	25.0	6.7	5.7	4.7	4.3	4.3	5.3	5.0	5.3	5.0	
APR3060	2.0	26.7	15.0	5.3	5.0	4.3	4.3	5.7	5.0	4.3	4.9	
MENSA	3.0	36.7	15.0	5.7	5.0	6.0	5.3	3.3	3.0	6.0	4.9	
MRSL-PR15	2.0	28.3	8.3	5.7	5.7	3.7	4.7	5.0	5.0	4.7	4.9	
PST-2MAY	1.7	25.0	11.7	5.0	4.7	5.7	4.0	4.7	4.7	5.7	4.9	
SAVANT	3.0	56.7	23.3	5.3	5.7	5.7	5.0	4.0	3.7	5.0	4.9	
DLFPS-236/3540	2.0	33.3	8.3	5.0	4.3	4.3	4.0	4.7	4.7	6.3	4.8	
KARMA	2.0	23.3	16.7	5.7	5.0	4.3	4.3	4.3	4.7	5.0	4.8	
LPB-SD-102	3.0	40.0	15.0	5.0	5.0	5.3	4.7	4.3	3.7	5.7	4.8	
PST-2EGAD	1.7	21.7	5.0	6.0	4.3	4.0	3.3	6.0	4.3	5.7	4.8	
ASP0118GL (A-4G)	1.7	23.3	15.0	5.3	4.7	4.7	4.0	4.7	4.7	4.7	4.7	
BAR LP 6131	2.0	28.3	13.3	4.7	4.7	4.7	4.7	5.0	4.3	4.7	4.7	
BAR LP 6158	1.7	30.0	18.3	5.0	4.7	5.0	3.7	4.7	4.3	5.3	4.7	
BAR LP 6117	1.3	30.0	15.0	4.3	5.0	5.3	3.7	5.7	4.0	4.0	4.6	
GRAY HAWK (PST-2FIND)	1.7	25.0	8.3	5.0	4.3	4.3	3.7	4.0	5.0	5.7	4.6	
LPB-SD-104	2.3	41.7	20.0	4.7	4.3	5.3	4.0	4.7	4.7	4.7	4.6	
PST-2BDT	1.7	26.7	13.3	4.3	3.7	4.3	4.3	4.0	5.0	6.3	4.6	
PST-2FOXY	1.7	28.3	10.0	5.7	4.0	4.0	3.7	4.7	4.3	5.7	4.6	
RAD-PR 112	1.7	21.7	6.7	4.3	4.0	4.7	3.0	5.0	5.3	6.0	4.6	
ASP0117 (A-PR15)	1.7	21.7	11.7	4.7	4.3	5.0	3.7	4.7	4.0	5.0	4.5	
JR-123	1.3	26.7	16.7	4.7	4.3	5.7	4.7	4.7	3.3	4.3	4.5	
BAR LP 6159	2.0	26.7	10.0	5.0	4.0	4.0	4.3	5.3	4.3	4.0	4.4	
LPB-SD-103	1.3	38.3	26.7	5.0	5.0	5.3	3.7	4.0	3.0	5.0	4.4	
PPG-PR 367	1.0	20.0	11.7	4.7	4.3	4.0	3.7	4.7	4.3	5.0	4.4	
SLIDER LS (PPG-PR 241)	2.0	23.3	5.0	5.3	4.3	4.3	4.0	5.0	3.0	4.7	4.4	
TEE-ME-UP (BSP-25)	1.7	23.3	8.3	4.7	3.7	5.0	4.0	4.3	4.7	4.7	4.4	
ALLSTAR III	1.3	23.3	23.3	4.7	3.3	4.3	3.7	4.0	4.3	5.3	4.2	
BAR LP 6164	1.7	26.7	11.7	4.7	3.3	4.3	3.7	3.3	4.3	5.0	4.1	
HATRICK (BSP-17)	2.0	23.3	16.7	4.3	4.0	4.7	4.3	3.0	3.3	5.0	4.1	
SAGUARO	2.0	33.3	16.7	4.0	3.7	4.0	4.0	4.0	4.0	5.3	4.1	

TABLE 9.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT ADELPHIA, NJ 1/
2021 DATA

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

NAME	PERCENT		PERCENT		QUALITY RATINGS						MEAN
	WEAR TOLERANCE	GROUND COVER TRAFFIC	POA ANNUA NO TRAFFIC	APR	MAY	JUN	JUL	AUG	SEP	OCT	
DERBY XTREME	1.7	35.0	16.7	4.0	4.0	4.0	4.3	3.7	3.7	4.7	4.0
EVOLVE	2.0	28.3	28.3	4.0	3.3	3.7	3.7	4.0	5.0	4.7	4.0
JR-747	2.0	38.3	20.0	5.0	4.3	4.7	4.3	2.7	2.7	4.7	4.0
PEPPER II (RAD-PR 103)	1.3	25.0	11.7	5.0	4.3	4.3	3.0	3.3	3.3	5.0	4.0
CS-6	1.3	21.7	16.7	5.3	3.0	4.3	3.0	3.0	4.0	4.3	3.9
LPB-SD-101	1.7	31.7	28.3	4.0	3.0	4.3	4.3	4.0	3.0	4.3	3.9
MRS�-PR16	1.3	15.0	18.3	4.0	3.3	4.0	3.3	3.7	4.0	4.7	3.9
GO-141	1.3	21.7	23.3	4.3	3.3	4.7	3.3	3.3	3.0	4.3	3.8
GREEN SUPREME+ (AMP-R1)	2.0	23.3	20.0	4.3	3.3	4.3	3.7	2.3	3.3	5.0	3.8
LPB-SD-105	1.3	33.3	25.0	4.7	3.0	4.7	4.0	3.0	2.3	4.3	3.7
NEXUS GT (SNX)	1.0	18.3	21.7	4.0	3.0	4.0	3.3	4.3	3.3	4.0	3.7
ASP0116EXT	2.0	20.0	13.3	4.3	3.0	3.7	3.3	3.3	3.3	4.0	3.6
BELIZE 2 (GO-142)	1.0	28.3	25.0	4.0	3.3	3.0	2.7	4.0	3.3	4.0	3.5
DLFPS-238/3014	1.7	25.0	25.0	3.7	2.7	3.3	3.3	3.0	3.0	4.0	3.3
ASPO218 (A-6D)	1.0	16.7	25.0	4.0	2.7	3.7	2.0	3.7	2.7	4.0	3.2
CAYMAN (GO-143)	1.0	15.0	30.0	3.7	2.0	3.7	2.3	3.3	3.3	4.3	3.2
BAR LP 6162	1.0	30.0	33.3	3.7	2.7	3.0	2.0	2.3	3.7	4.3	3.1
BRIGHTSTAR SLT	1.0	13.3	36.7	3.7	2.0	2.3	2.0	3.3	3.7	4.3	3.0
FIREBALL (BWH)	1.0	33.3	25.0	3.7	1.7	3.3	3.0	2.0	3.0	4.7	3.0
LINN	1.3	28.3	60.0	2.0	1.0	1.0	1.7	1.0	1.0	3.3	1.6
LSD VALUE	1.0	16.0	8.5	1.2	1.7	1.6	1.6	1.6	1.8	1.5	0.9
C.V. (%)	27.7	28.3	53.2	14.4	20.9	18.3	20.9	20.0	22.8	15.8	11.9

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 10.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS, OR 1/
2021 DATA

NAME	GENETIC COLOR	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/											MEAN		
		JAN	FEB	MAR	APR	QUALITY RATINGS			MAY	JUN	JUL	AUG		SEP	OCT	NOV	DEC
APPLE 3GL (PPG-PR 339)	7.7	6.0	7.0	7.0	7.0	6.3	7.0	7.7	8.0	7.7	7.7	7.7	7.0	7.2	
FURLONG (LTP-FCB)	8.0	6.0	6.3	7.0	7.0	6.3	7.0	8.0	8.0	8.0	8.0	8.0	7.7	7.0	7.2
PPG-PR 372	8.0	6.0	6.7	7.0	7.0	6.3	7.0	7.7	8.0	8.0	8.0	8.0	7.7	6.7	7.2
PST-2FOXY	8.0	6.7	7.0	7.0	7.0	6.0	6.7	7.3	8.0	8.0	8.0	7.7	7.0	7.2	
ALLOY (RRT)	7.7	6.0	6.7	7.0	7.0	6.3	6.7	7.3	7.7	7.7	7.7	7.7	7.3	7.1	
DERBY XTREME	8.0	6.0	6.3	7.0	7.0	6.0	6.7	7.3	8.0	8.0	8.0	7.7	7.3	7.1	
DLFPS-236/3546	8.0	6.0	6.3	7.0	7.0	6.3	6.7	7.7	8.0	8.0	8.0	7.3	6.7	7.1	
DLFPS-236/3556	8.0	6.0	6.3	7.0	7.0	6.0	6.7	7.7	8.0	8.0	8.0	7.0	7.0	7.1	
JR-197	7.7	5.7	7.0	7.0	6.7	6.3	6.7	8.0	8.0	7.7	7.7	7.3	7.3	7.1	
MYSTIQUE (DLFPS-236/3547)	7.7	6.3	6.7	7.0	7.0	6.7	6.7	7.7	7.7	7.7	7.7	7.7	7.0	7.1	
PHARAOH	7.7	6.7	6.7	7.0	6.7	6.0	6.3	7.7	8.0	8.0	8.0	7.3	6.7	7.1	
PPG-PR 367	8.0	6.3	6.7	7.0	7.0	6.0	7.0	7.7	8.0	8.0	8.0	7.0	6.3	7.1	
PPG-PR 422	8.0	6.0	6.7	7.0	7.0	6.0	6.7	8.0	8.0	7.7	7.7	7.3	6.7	7.1	
STELLAR 4GL (PPG-PR 424)	7.7	6.0	6.7	7.0	7.0	6.0	6.7	8.0	8.0	8.0	8.0	7.0	7.0	7.1	
ALLSTAR FORE (DLFPS-236/3541)	7.7	6.3	6.3	7.0	7.0	7.0	6.7	7.3	7.7	7.7	7.7	7.0	6.7	7.0	
DLFPS-236/3552	7.7	5.7	6.7	7.0	7.0	6.3	7.0	7.7	8.0	7.3	7.3	7.0	7.0	7.0	
PARAGON 2 GLR (FP2)	7.7	6.0	6.7	7.0	7.0	6.0	7.0	7.3	7.7	7.7	7.7	7.0	6.7	7.0	
SUPERSTAR GL (PPG-PR 420)	7.7	5.7	6.3	6.7	7.0	6.0	7.0	7.7	8.0	7.7	7.7	7.3	7.0	7.0	
O2BS1	8.0	6.0	6.3	7.0	6.7	6.0	6.7	8.0	8.0	7.7	7.7	6.7	6.3	6.9	
O2BS2	7.7	6.0	6.7	7.0	6.7	6.0	6.7	7.3	7.7	7.7	7.7	6.7	6.3	6.9	
DLFPS-236/3548	7.7	5.0	6.0	7.0	7.0	6.7	7.0	7.7	7.7	7.3	7.3	7.0	6.7	6.9	
GATOR FORE (DLFPS-236/3544)	7.7	5.7	6.7	7.0	7.0	6.3	7.0	7.0	7.7	7.3	7.3	7.0	6.7	6.9	
HOMERUN LS (PPG-PR 419)	7.0	5.7	6.3	7.0	7.0	6.3	7.0	7.3	7.3	7.3	7.3	7.3	7.0	6.9	
KARMA	7.3	5.3	6.3	7.0	7.0	6.0	7.0	7.7	8.0	7.7	7.7	6.7	6.7	6.9	
NP-2	7.7	5.7	6.3	7.0	6.7	6.3	7.0	7.7	7.7	7.7	7.7	7.0	6.7	6.9	
NP-3	7.3	5.7	6.7	7.0	6.7	6.0	6.7	7.0	7.7	7.7	7.7	7.0	6.7	6.9	
OVERDRIVE 5G	7.7	5.7	6.7	7.0	6.7	6.0	6.3	7.3	8.0	8.0	8.0	7.0	6.7	6.9	
PR-6-15	7.7	5.7	6.7	7.0	7.0	6.3	6.3	7.0	7.7	7.3	7.7	7.3	6.7	6.9	
PST-2A2	7.3	6.0	6.7	7.0	7.0	6.0	7.0	7.3	7.7	7.3	7.3	7.0	6.3	6.9	
PST-2MAY	7.7	5.7	6.7	7.0	7.0	6.0	6.3	8.0	8.0	7.7	7.7	6.7	6.3	6.9	
SLUGGER 3GL (PPG-PR 343)	7.3	5.7	6.3	7.0	7.0	6.3	7.0	7.7	7.7	7.3	7.3	6.7	7.0	6.9	
SR 4700 (DLFPS-236/3543)	7.7	5.7	6.3	7.0	7.0	6.0	6.3	7.3	7.7	7.7	7.7	7.3	6.7	6.9	
UMPQUA	7.7	5.0	6.0	7.0	7.0	6.0	7.0	7.3	8.0	7.7	7.7	7.0	6.7	6.9	
O23	7.7	5.0	6.3	6.7	7.0	6.3	7.0	7.3	7.7	7.7	7.7	6.7	6.3	6.8	
ASP0118GL (A-4G)	7.7	5.3	6.3	6.7	7.0	6.7	6.7	7.0	7.7	7.7	7.3	6.3	6.3	6.8	
DLFPS-236/3553	7.7	5.7	6.7	7.0	7.0	6.0	6.3	7.3	7.7	7.7	7.7	7.0	6.0	6.8	
INTENSE	7.3	5.0	6.3	7.0	6.7	6.0	7.0	7.3	7.3	7.3	7.3	7.0	6.7	6.8	
JR-123	7.3	5.0	6.0	7.0	7.0	6.3	6.7	7.7	7.7	7.3	7.3	6.7	6.3	6.8	
MAN O WAR	7.7	5.3	6.3	7.0	7.0	6.0	6.7	7.0	7.7	7.7	7.7	7.0	6.3	6.8	
MIGHTIER (DLFPS-236/3542)	7.3	5.3	6.3	7.0	7.0	6.3	6.7	7.3	7.7	7.7	7.3	6.3	6.0	6.8	
PARADOX GLR (PPG-PR 331)	7.7	5.3	6.0	7.0	6.7	6.0	6.7	7.7	7.7	7.7	7.7	7.3	6.3	6.8	
PPG-PR 360	7.7	5.0	6.7	7.0	7.0	6.7	7.0	7.0	7.7	7.7	7.7	6.7	6.0	6.8	
PPG-PR 371	7.7	5.3	6.7	6.7	7.0	6.7	6.7	7.7	7.7	7.7	7.3	6.3	6.3	6.8	
PPG-PR 421	7.3	5.7	6.7	7.0	6.7	6.3	6.7	7.3	7.3	7.0	7.0	7.0	6.3	6.8	
RAD-PR 112	7.3	5.3	6.7	7.0	7.0	6.0	6.7	7.0	7.7	7.7	7.3	6.3	6.3	6.8	
SEABISCUIT	7.7	5.3	6.3	7.0	6.3	6.0	6.3	7.7	7.7	7.7	7.7	7.0	6.7	6.8	
SILVER SPORT (PST-2CRP)	7.3	6.0	7.0	7.0	6.3	5.7	6.3	7.0	7.3	7.3	7.3	7.0	6.7	6.8	

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS, OR 1/
2021 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SPIKE GLS (UF3)	7.7	5.7	6.3	6.7	6.7	6.0	6.7	7.3	7.7	7.3	7.7	7.0	6.7	6.8
021	6.7	5.3	6.7	7.0	7.0	6.3	7.0	7.3	7.3	6.7	6.7	6.3	6.7	6.7
ASP0218 (A-6D)	7.3	5.3	6.3	7.0	6.7	6.0	6.7	7.3	7.7	7.3	7.0	6.3	6.3	6.7
CPN	7.3	5.7	6.3	7.0	7.0	6.0	6.3	7.7	7.7	7.3	7.3	6.3	5.7	6.7
CS-6	7.3	5.3	7.0	7.0	6.3	6.0	6.3	7.0	7.3	7.3	7.3	6.7	6.7	6.7
DLFPS-236/3550	7.0	5.0	6.0	7.0	6.7	6.3	7.0	7.3	7.3	7.0	7.0	6.7	6.7	6.7
FASTBALL 3GL (PPG-PR 329)	7.7	5.7	6.0	7.0	7.0	6.0	6.3	7.3	7.3	7.3	7.3	7.0	6.3	6.7
GRAND SLAM GLD	7.3	5.3	6.0	6.7	7.0	6.0	6.3	7.0	7.3	7.3	7.3	7.0	6.7	6.7
LPB-SD-102	7.0	5.3	6.3	6.7	7.0	6.3	6.7	7.7	7.7	7.0	7.0	6.3	6.7	6.7
PEPPER II (RAD-PR 103)	7.7	5.0	6.7	7.0	7.0	6.0	6.0	7.0	7.7	7.7	7.3	6.7	6.3	6.7
XCELERATOR	7.3	5.0	6.3	7.0	6.7	6.0	6.7	7.3	7.7	7.7	7.3	6.7	6.0	6.7
ZOOM 2 (DLFPS-236/3545)	8.0	5.3	6.3	6.3	7.0	6.0	6.3	7.7	7.7	7.7	7.3	6.7	6.0	6.7
ASP0117 (A-PR15)	7.3	5.3	6.3	7.0	6.7	6.3	6.7	7.7	7.3	6.7	6.7	6.3	6.3	6.6
FIREBALL (BWH)	7.3	5.0	6.3	7.0	7.0	6.0	6.3	7.3	7.7	7.3	7.0	6.0	6.0	6.6
NEXUS GT (SNX)	7.3	5.0	6.0	7.0	6.3	6.0	6.7	7.0	7.3	7.3	7.3	6.3	6.3	6.6
PPG-PR 385	7.0	5.3	6.3	6.7	6.7	6.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.6
PPG-PR 423	7.7	5.0	6.3	7.0	7.0	6.0	6.3	7.0	7.7	7.7	7.3	6.3	6.0	6.6
PST-2EGAD	7.0	5.3	6.3	7.0	6.0	6.0	6.3	7.0	7.0	7.0	7.0	7.0	7.3	6.6
SLIDER LS (PPG-PR 241)	7.3	5.3	6.0	7.0	7.0	6.3	6.7	7.7	7.7	7.0	6.7	6.3	6.0	6.6
SR 4650	7.7	5.0	6.3	6.7	6.3	6.0	6.7	7.7	7.7	7.3	7.0	6.0	6.0	6.6
TEE-ME-UP (BSP-25)	7.0	5.3	6.3	7.0	6.7	6.0	6.3	7.3	7.3	6.7	6.7	6.3	6.7	6.6
APR2612	7.3	5.3	6.0	6.3	6.7	6.0	6.3	7.3	7.7	7.3	7.0	6.0	6.3	6.5
ASP0116EXT	7.3	5.3	6.3	7.0	6.3	5.7	6.7	7.3	7.3	7.0	6.7	5.7	6.3	6.5
DLFPS-236/3540	7.3	5.0	6.0	6.7	7.0	6.3	6.3	7.0	7.3	7.0	6.7	6.0	6.3	6.5
GRAY HAWK (PST-2FIND)	7.0	5.3	6.0	7.0	6.7	6.0	6.3	7.0	7.3	7.3	7.0	6.3	6.0	6.5
GRAY WOLF (PST-2GAL)	7.3	5.0	6.0	6.7	7.0	6.3	6.3	7.3	7.3	7.3	7.0	6.0	5.7	6.5
HATRICK (BSP-17)	7.7	5.3	6.7	7.0	6.0	6.0	6.7	7.3	7.3	7.0	7.0	6.3	5.7	6.5
IVY (PST-2GTD)	7.0	6.0	6.7	7.0	6.7	6.0	6.0	7.0	7.0	7.0	7.0	6.3	5.7	6.5
LPB-SD-101	7.0	5.0	6.0	6.7	7.0	6.0	6.7	7.3	7.3	7.0	7.0	6.0	6.0	6.5
PL2	7.3	5.3	6.0	6.7	6.7	6.0	6.0	7.3	7.3	7.0	7.0	6.3	6.0	6.5
PPG-PR 370	7.3	5.0	6.7	7.0	7.0	6.0	6.3	7.3	7.7	7.0	6.7	5.7	5.3	6.5
PR-5-16	7.0	5.0	6.0	7.0	6.7	6.0	6.7	7.3	7.3	6.7	6.7	6.0	6.3	6.5
PST-2BDT	7.7	5.0	6.3	7.0	7.0	6.0	6.3	7.3	7.7	7.3	6.7	5.7	6.0	6.5
SHIELD (02BS4)	7.0	5.3	6.7	7.0	6.3	6.0	6.0	7.3	7.3	7.0	7.0	6.3	5.7	6.5
APR2616	7.0	5.3	6.3	7.0	6.7	6.0	6.7	7.0	7.0	6.7	6.7	6.0	6.0	6.4
BAR LP 6159	7.0	5.0	6.0	7.0	7.0	6.0	6.0	7.0	7.0	6.7	6.7	6.0	6.0	6.4
BELIZE 2 (GO-142)	7.0	5.0	6.3	7.0	7.0	6.0	6.0	7.0	7.3	7.0	6.7	5.7	6.0	6.4
CAYMAN (GO-143)	7.3	5.3	6.3	6.7	6.7	6.0	6.0	6.7	7.0	7.3	7.0	6.0	6.3	6.4
FIESTA CINCO (DLFPS-236/3554)	7.3	5.0	6.0	7.0	7.0	6.0	6.3	7.0	7.0	7.0	7.0	6.0	6.0	6.4
GO-141	7.0	5.0	6.3	6.7	7.0	6.0	6.0	7.0	7.0	7.0	6.7	5.7	6.3	6.4
GREEN SUPREME+ (AMP-R1)	7.7	5.0	6.0	7.0	6.7	6.0	6.3	7.3	7.3	7.0	6.7	5.7	5.3	6.4
HELIOS (DLFPS-236/3538)	7.0	5.0	6.0	7.0	7.0	6.0	6.3	7.0	7.0	6.7	6.7	5.7	6.0	6.4
BAR LP 6117	7.3	5.0	5.7	6.7	7.0	6.0	6.3	7.0	7.0	7.0	6.3	5.7	6.3	6.3
BAR LP 6162	7.0	5.0	6.0	7.0	6.0	5.7	6.0	7.0	7.0	7.0	6.7	6.0	5.7	6.3
BAR LP 6164	7.0	5.0	6.0	6.7	6.3	5.7	6.3	7.0	7.0	7.0	6.7	5.7	6.7	6.3
JR-747	7.0	5.0	6.0	6.7	7.0	6.0	6.0	7.0	7.0	7.0	6.7	5.7	5.3	6.3
LPB-SD-103	6.7	5.0	5.7	6.7	7.0	6.0	6.0	7.0	7.0	6.7	6.7	5.7	5.7	6.3

TABLE 10.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS, OR 1/
2021 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS											MEAN	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
LPB-SD-104	7.0	5.0	5.7	6.0	7.0	6.7	6.3	7.3	7.3	6.7	6.7	6.0	5.3	6.3
LPB-SD-105	7.0	5.0	6.0	6.7	7.0	6.0	6.0	7.0	7.0	7.0	6.3	5.3	5.7	6.3
MRS�-PR15	7.0	5.3	6.7	7.0	6.0	6.0	6.3	7.0	7.0	6.7	6.7	6.0	5.3	6.3
SAVANT	6.7	5.0	5.7	6.3	6.7	6.0	6.0	7.3	7.3	7.0	6.7	5.7	6.0	6.3
SIGNET	7.0	5.0	6.0	6.7	7.0	6.0	6.3	7.3	7.3	6.7	6.3	5.7	5.7	6.3
ALLSTAR III	7.0	5.3	6.0	6.3	6.3	5.7	6.0	7.3	7.0	6.3	6.3	5.7	5.7	6.2
APR3060	7.0	5.0	5.7	6.3	6.3	6.0	6.3	7.0	7.0	6.7	6.7	6.0	5.7	6.2
BAR LP 6131	7.0	4.7	6.0	6.3	6.7	6.0	6.0	7.0	7.0	6.7	6.3	5.7	6.0	6.2
BAR LP 6158	6.7	5.0	6.3	6.7	6.3	6.0	6.0	7.0	7.0	6.7	6.3	5.3	5.3	6.2
MENSA	7.0	5.0	6.0	6.7	7.0	6.0	6.3	7.0	7.0	7.0	6.0	5.0	5.3	6.2
MRS�-PR16	7.3	5.3	6.3	6.3	6.3	6.0	6.0	7.0	7.0	7.0	6.3	5.3	5.7	6.2
SAGUARO	7.0	5.0	6.0	6.7	6.7	6.0	6.0	7.0	7.0	6.7	6.3	5.3	5.7	6.2
BAR LP 6165	6.7	5.0	6.0	6.7	6.7	6.0	6.0	7.0	7.0	6.0	6.0	5.3	6.0	6.1
BAR LP 6233	7.0	5.0	5.7	6.7	6.0	5.7	6.0	7.0	7.0	6.7	6.3	5.7	6.0	6.1
BRIGHTSTAR SLT	6.7	5.0	6.0	6.7	6.3	6.0	6.0	6.7	6.7	6.3	6.3	6.0	5.7	6.1
EVOLVE	7.0	5.0	6.0	6.7	6.0	6.0	6.3	7.0	7.0	6.0	6.0	5.3	5.3	6.1
JR-888	7.0	5.0	5.7	6.0	7.0	6.0	5.7	6.7	7.0	6.7	6.7	5.7	5.7	6.1
DLFPS-238/3014	6.7	5.0	6.3	6.7	6.0	6.0	6.0	6.7	6.7	6.3	6.0	5.0	5.0	6.0
PST-2PDA	7.0	5.0	5.7	6.3	6.0	6.0	6.3	7.3	7.0	6.3	6.0	5.0	5.0	6.0
LINN	6.0	4.7	5.3	5.7	5.3	5.0	6.0	6.0	6.7	6.7	6.0	5.0	5.0	5.6
LSD VALUE	1.0	1.0	1.6	1.3	0.6	0.7	0.9	1.2	0.9	1.1	1.0	1.1	2.0	0.5
C.V. (%)	6.4	9.6	8.3	5.9	5.1	5.3	6.8	6.5	6.0	7.6	8.2	10.3	12.4	4.5

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 11.

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS (TRAFFIC), OR 1/
2021 DATA

NAME	GENETIC COLOR	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/												MEAN	
		JAN	FEB	MAR	APR	QUALITY RATINGS				MAY	JUN	JUL	AUG		SEP	OCT	NOV	DEC
ALLOY (RRT)	7.7	5.7	6.3	7.0	7.0	6.3	7.0	7.3	8.0	8.0	8.0	7.7	7.0	7.1	
PPG-PR 372	8.0	6.0	6.7	7.0	7.0	6.7	7.0	7.7	8.0	8.0	7.7	6.7	6.7	7.1	
PST-2FOXY	8.0	6.0	7.0	7.0	7.0	6.7	6.3	7.7	8.0	8.0	8.0	7.3	6.7	7.1	
JR-197	8.0	6.0	6.3	7.0	7.0	6.0	7.0	8.0	8.0	8.0	7.3	6.3	6.7	7.0	
MYSTIQUE (DLFPS-236/3547)	7.0	5.7	6.7	6.7	7.0	6.7	7.0	7.7	8.0	7.7	7.3	6.3	7.3	7.0	
PARAGON 2 GLR (FP2)	7.7	5.7	6.3	7.0	7.0	6.3	7.0	7.7	7.7	7.7	7.7	7.0	6.7	7.0	
PR-6-15	7.7	5.7	6.7	7.0	7.0	7.0	6.7	7.3	7.7	7.7	7.7	6.7	6.7	7.0	
02BS1	7.7	5.3	6.3	7.0	7.0	6.0	7.0	7.7	7.7	7.7	7.7	7.0	6.0	6.9	
ALLSTAR FORE (DLFPS-236/3541)	8.0	5.3	6.3	7.0	7.0	6.3	6.3	7.7	8.0	8.0	7.3	6.3	7.3	6.9	
APPLE 3GL (PPG-PR 339)	7.7	5.3	6.3	7.0	7.0	6.7	7.0	7.3	7.7	7.7	7.3	6.7	7.0	6.9	
DLFPS-236/3546	8.0	5.7	6.3	7.0	7.0	7.0	7.0	7.3	8.0	8.0	7.0	5.7	6.3	6.9	
FASTBALL 3GL (PPG-PR 329)	7.7	5.0	6.0	7.0	7.0	6.0	6.7	8.0	8.0	8.0	8.0	7.0	6.3	6.9	
FURLONG (LTP-FCB)	8.0	5.3	6.3	7.0	7.0	6.3	7.0	7.7	8.0	8.0	7.0	6.0	7.0	6.9	
INTENSE	8.0	5.0	6.3	7.0	7.0	6.0	6.7	7.7	8.0	8.0	8.0	7.3	6.0	6.9	
PPG-PR 367	8.0	5.7	6.7	7.0	7.0	6.3	7.0	7.7	8.0	8.0	7.3	6.3	6.3	6.9	
PST-2A2	7.3	5.7	6.7	7.0	7.0	6.7	7.0	7.0	7.7	7.7	7.7	7.0	6.0	6.9	
STELLAR 4GL (PPG-PR 424)	7.7	5.0	6.3	7.0	7.0	6.0	7.0	8.0	8.0	8.0	7.3	6.3	6.3	6.9	
SUPERSTAR GL (PPG-PR 420)	7.7	5.3	6.3	7.0	7.0	6.0	7.0	8.0	8.0	7.7	7.3	6.7	6.0	6.9	
ZOOM 2 (DLFPS-236/3545)	7.7	5.3	6.3	6.7	7.0	6.0	6.3	7.3	8.0	8.0	8.0	7.3	6.3	6.9	
02BS2	7.3	5.3	6.3	7.0	7.0	6.0	6.7	7.7	7.7	7.7	7.7	7.0	6.0	6.8	
ASP0117 (A-PR15)	7.3	5.3	6.3	7.0	7.0	6.7	6.7	8.0	8.0	7.0	7.0	6.3	6.3	6.8	
ASP0218 (A-6D)	7.7	5.3	6.3	6.7	7.0	6.3	6.7	7.3	7.7	7.7	7.7	7.0	6.3	6.8	
DERBY XTREME	7.7	5.3	6.3	7.0	7.0	6.0	6.3	7.7	7.7	7.7	7.7	6.7	6.7	6.8	
DLFPS-236/3552	8.0	5.7	6.0	7.0	7.0	6.3	7.0	8.0	8.0	8.0	7.0	5.3	6.7	6.8	
DLFPS-236/3556	8.0	5.7	6.3	6.7	7.0	6.3	6.7	7.3	8.0	8.0	7.0	5.7	6.7	6.8	
KARMA	7.7	5.3	6.3	7.0	7.0	6.3	7.0	7.0	7.7	7.7	7.3	6.7	6.0	6.8	
MAN O WAR	7.7	5.7	6.0	7.0	7.0	6.0	6.7	7.7	7.7	7.7	7.3	6.3	6.3	6.8	
NP-2	7.7	6.0	6.3	7.0	7.0	6.0	7.0	7.3	7.3	7.3	7.3	6.3	6.0	6.8	
OVERDRIVE 5G	7.7	6.0	6.3	7.0	7.0	6.0	6.3	7.3	8.0	8.0	7.3	6.3	6.0	6.8	
PPG-PR 371	7.7	5.0	6.3	7.0	7.0	6.7	7.0	7.7	7.7	7.7	7.0	5.7	6.7	6.8	
PPG-PR 422	7.7	6.0	6.3	7.0	7.0	6.3	7.0	7.3	7.7	7.7	7.3	6.3	6.0	6.8	
PST-2MAY	7.7	5.3	6.0	7.0	7.0	6.3	6.3	7.3	8.0	8.0	7.3	6.3	6.0	6.8	
SILVER SPORT (PST-2CRP)	7.7	6.0	6.3	7.0	7.0	6.3	6.3	7.3	7.7	7.7	7.3	6.7	5.7	6.8	
SLUGGER 3GL (PPG-PR 343)	7.7	5.7	6.3	7.0	7.0	6.0	7.0	7.7	7.7	7.3	7.0	6.0	6.7	6.8	
SPIKE GLS (UF3)	7.7	5.3	6.0	6.3	7.0	6.0	6.7	7.7	7.7	7.7	7.7	7.0	6.3	6.8	
021	7.3	5.7	6.3	7.0	7.0	6.0	7.0	7.0	7.3	7.3	7.0	6.0	6.7	6.7	
023	7.7	4.7	6.0	7.0	7.0	6.3	6.7	7.7	8.0	8.0	7.0	5.7	6.3	6.7	
ASP0118GL (A-4G)	7.7	5.3	6.3	6.7	7.0	6.3	6.3	7.0	7.7	7.7	7.3	6.3	6.3	6.7	
DLFPS-236/3548	7.3	5.0	6.0	7.0	7.0	6.3	6.3	7.3	7.7	7.3	7.3	6.3	6.3	6.7	
FIESTA CINCO (DLFPS-236/3554)	7.3	5.0	6.0	6.7	7.0	6.3	6.7	7.0	7.7	7.7	7.7	7.0	5.3	6.7	
GATOR FORE (DLFPS-236/3544)	7.3	5.7	6.3	7.0	7.0	6.3	7.0	7.0	7.7	7.3	6.7	6.0	6.7	6.7	
GRAND SLAM GLD	8.0	5.3	6.3	7.0	7.0	6.3	6.3	7.0	8.0	8.0	7.0	6.0	6.3	6.7	
GRAY WOLF (PST-2GAL)	8.0	5.0	6.0	7.0	6.7	6.3	6.7	7.3	8.0	8.0	7.3	6.3	5.7	6.7	
JR-123	7.7	5.0	6.0	6.7	7.0	6.0	6.7	7.7	8.0	8.0	7.3	6.3	6.0	6.7	
PARADOX GLR (PPG-PR 331)	7.7	5.0	5.7	6.7	7.0	6.0	6.7	7.7	7.7	7.7	7.7	7.0	5.7	6.7	
PL2	7.7	5.3	6.0	6.7	6.7	6.0	6.7	7.3	7.7	7.7	7.3	6.7	6.0	6.7	
PPG-PR 360	7.7	5.0	6.0	7.0	7.0	6.0	7.0	7.0	7.7	7.7	7.7	6.7	6.0	6.7	

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS (TRAFFIC), OR 1/
2021 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PPG-PR 385	7.3	5.3	6.3	7.0	7.0	6.0	7.0	7.0	7.3	7.3	7.3	6.7	6.3	6.7
PPG-PR 423	7.7	5.0	6.0	7.0	7.0	6.7	6.3	7.0	7.7	7.7	7.3	6.7	6.0	6.7
PST-2BDT	7.3	5.0	6.0	7.0	7.0	6.0	6.3	7.3	7.3	7.3	7.3	6.7	6.7	6.7
SEABISCUIT	7.7	5.3	6.0	6.7	6.7	6.0	7.0	7.7	8.0	7.7	7.3	6.3	6.0	6.7
SLIDER LS (PPG-PR 241)	8.0	5.0	5.7	6.7	6.7	6.7	6.7	7.3	7.7	7.7	7.7	7.0	6.0	6.7
SR 4700 (DLFPS-236/3543)	7.7	5.0	6.0	7.0	7.0	6.3	6.3	7.3	8.0	8.0	7.3	5.7	6.3	6.7
UMPQUA	7.3	5.3	6.3	7.0	7.0	6.0	7.0	7.3	7.7	7.3	7.0	6.3	6.3	6.7
XCELERATOR	7.0	5.0	6.0	7.0	7.0	6.3	6.7	7.3	7.3	7.3	7.3	6.7	6.0	6.7
ASP0116EXT	7.0	5.3	6.3	7.0	7.0	6.3	6.7	7.0	7.0	7.0	7.0	6.7	5.7	6.6
CPN	7.3	5.3	6.3	7.0	7.0	6.0	6.3	7.7	7.7	7.3	7.0	6.3	5.7	6.6
CS-6	7.0	5.0	6.7	7.0	7.0	6.0	6.3	7.3	7.7	7.3	6.7	5.7	6.0	6.6
DLFPS-236/3550	7.0	5.0	6.0	7.0	7.0	6.0	6.3	7.0	7.0	7.0	7.0	7.0	6.3	6.6
DLFPS-236/3553	7.3	5.0	6.3	7.0	7.0	6.0	6.0	7.3	7.3	7.3	7.3	7.0	6.0	6.6
HOMERUN LS (PPG-PR 419)	7.3	5.3	6.3	6.7	7.0	6.3	6.3	7.3	7.3	7.0	7.0	6.3	5.7	6.6
IVY (PST-2GTD)	7.3	5.3	6.3	6.7	7.0	6.3	6.7	7.0	7.3	7.3	7.3	6.3	5.7	6.6
JR-888	7.0	5.0	6.0	6.7	7.0	6.0	6.0	7.3	7.3	7.0	7.3	7.3	5.7	6.6
LPB-SD-102	7.3	5.0	6.0	6.3	7.0	6.7	6.7	7.0	7.3	7.0	7.3	6.7	6.3	6.6
NEXUS GT (SNX)	7.7	5.0	6.0	7.0	6.3	6.0	6.7	6.7	7.3	7.7	7.3	6.3	6.3	6.6
PEPPER II (RAD-PR 103)	7.3	5.0	6.3	6.7	7.0	6.0	6.0	7.0	7.3	7.3	7.3	7.0	6.0	6.6
PHARAOH	7.3	5.3	6.0	7.0	7.0	6.0	6.7	7.0	7.3	7.3	7.0	6.0	6.3	6.6
PPG-PR 370	7.3	5.0	5.7	6.7	7.0	6.3	6.7	7.7	7.7	7.3	7.0	6.0	6.0	6.6
PPG-PR 421	7.7	5.0	6.3	7.0	7.0	6.3	6.7	7.0	7.7	7.7	7.0	5.7	6.0	6.6
PR-5-16	7.0	5.0	6.0	7.0	7.0	6.0	6.7	7.0	7.0	7.0	7.0	7.0	6.0	6.6
RAD-PR 112	7.7	5.0	6.3	7.0	7.0	6.0	6.3	7.0	7.7	7.7	7.3	6.0	5.7	6.6
SAGUARO	7.0	5.3	6.0	6.7	7.0	6.0	6.0	7.0	7.3	7.3	7.3	6.7	6.0	6.6
APR2612	7.7	5.0	6.0	6.7	7.0	6.0	6.3	7.0	7.3	7.3	7.0	6.3	5.7	6.5
CAYMAN (GO-143)	7.7	5.0	6.0	6.7	7.0	6.3	6.3	7.0	7.3	7.3	7.0	6.0	6.0	6.5
GRAY HAWK (PST-2FIND)	7.7	5.0	5.7	6.7	7.0	6.0	6.3	7.0	7.3	7.3	7.3	6.3	5.7	6.5
HATRICK (BSP-17)	8.0	5.3	6.7	7.0	6.7	6.0	7.0	7.0	7.0	7.0	6.7	6.0	6.0	6.5
JR-747	7.0	5.0	6.0	6.7	7.0	6.3	6.3	7.3	7.3	6.7	7.3	7.0	5.3	6.5
LPB-SD-101	7.3	5.0	5.7	6.3	6.7	6.0	6.7	7.7	7.7	7.3	7.0	6.0	6.0	6.5
LPB-SD-105	7.3	5.0	6.0	7.0	7.0	6.0	6.0	7.0	7.3	7.3	7.3	7.0	5.3	6.5
MIGHTIER (DLFPS-236/3542)	7.3	5.3	6.0	7.0	7.0	6.7	6.3	7.0	7.3	7.3	7.0	6.0	5.3	6.5
MPSL-PR16	7.3	5.3	6.3	6.7	6.7	6.0	6.0	7.0	7.3	7.3	7.0	6.3	5.7	6.5
NP-3	7.7	5.3	6.0	7.0	7.0	6.0	6.7	7.0	7.7	7.7	6.7	5.0	6.0	6.5
PST-2EGAD	7.3	5.3	6.0	7.0	6.0	6.0	6.3	7.0	7.3	7.3	7.3	6.3	6.3	6.5
BAR LP 6117	7.0	5.0	5.7	7.0	7.0	6.0	6.0	7.0	7.0	7.0	7.0	6.7	5.7	6.4
BAR LP 6158	7.0	5.0	6.0	7.0	6.7	6.0	6.3	7.0	7.0	7.0	7.0	6.7	5.3	6.4
BAR LP 6159	7.3	5.0	5.7	7.0	6.7	6.0	6.0	6.7	7.3	7.3	7.3	6.7	5.3	6.4
BAR LP 6164	7.0	5.0	6.0	7.0	6.7	6.0	6.3	7.0	7.0	7.0	7.0	6.3	5.3	6.4
BAR LP 6165	7.0	5.0	6.0	6.7	7.0	6.0	6.0	7.0	7.0	7.0	7.0	6.7	5.7	6.4
BELIZE 2 (GO-142)	7.0	5.0	6.3	7.0	7.0	6.0	6.3	7.0	7.3	7.3	6.7	5.3	6.0	6.4
BRIGHTSTAR SLT	7.0	4.3	5.7	6.7	6.3	6.0	6.0	7.0	7.0	7.0	7.3	7.3	5.7	6.4
DLFPS-236/3540	7.0	5.0	6.0	6.7	7.0	6.3	6.3	7.0	7.3	6.7	7.0	6.7	5.3	6.4
DLFPS-238/3014	6.7	5.0	6.3	7.0	6.7	6.0	6.0	6.7	6.7	6.7	7.0	6.7	5.7	6.4
GREEN SUPREME+ (AMP-R1)	7.0	5.0	5.7	6.7	7.0	6.0	6.3	7.0	7.0	7.0	7.0	6.7	5.7	6.4
HELIOS (DLFPS-236/3538)	7.0	5.0	5.7	7.0	7.0	6.0	6.3	7.0	7.0	6.7	6.7	6.3	6.0	6.4

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT CORVALLIS (TRAFFIC), OR 1/
2021 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
LPB-SD-104	7.0	4.7	5.0	6.3	7.0	6.0	6.0	7.7	7.7	6.7	7.3	7.3	5.0	6.4
SHIELD (02BS4)	7.0	5.3	6.3	7.0	6.3	6.0	6.0	6.7	7.0	7.0	6.7	6.3	6.0	6.4
SIGNET	7.3	5.0	5.7	6.7	7.0	6.0	6.3	7.0	7.0	7.0	7.0	6.7	6.0	6.4
SR 4650	7.3	4.7	6.0	6.7	6.3	6.0	6.7	7.3	7.7	7.0	6.7	6.0	6.0	6.4
APR2616	7.0	5.0	6.0	7.0	7.0	6.0	6.0	7.0	7.3	7.3	6.7	5.3	5.3	6.3
BAR LP 6131	7.0	4.7	5.7	6.7	7.0	6.0	6.3	6.7	7.0	6.7	7.0	6.7	5.0	6.3
BAR LP 6162	7.0	5.0	6.0	7.0	6.0	5.7	5.3	7.0	7.0	7.0	7.0	6.7	5.7	6.3
FIREBALL (BWH)	8.0	5.0	6.0	7.0	7.0	6.0	6.0	7.0	7.0	7.0	6.3	5.7	5.7	6.3
GO-141	7.0	5.0	6.0	6.7	7.0	6.0	6.0	7.0	7.0	7.0	6.3	5.3	6.0	6.3
LPB-SD-103	7.0	5.0	5.7	6.3	7.0	6.0	6.3	7.0	7.0	6.7	6.7	6.7	5.0	6.3
MENSA	7.0	5.0	5.7	6.3	6.7	6.3	6.3	7.0	7.0	6.7	6.7	6.3	5.3	6.3
MRSI-PR15	7.0	5.0	6.0	7.0	7.0	6.0	6.3	7.3	7.0	6.7	6.3	5.7	5.3	6.3
PST-2PDA	7.0	5.0	6.0	7.0	6.3	6.0	6.0	6.7	7.0	6.7	7.0	7.0	5.0	6.3
SAVANT	7.3	5.0	5.7	6.7	7.0	6.0	5.7	7.0	7.3	7.0	6.7	6.3	5.7	6.3
TEE-ME-UP (BSP-25)	7.0	5.3	6.3	7.0	6.7	6.0	6.3	6.7	6.7	6.7	6.3	6.0	6.0	6.3
APR3060	7.3	5.0	6.0	6.3	6.3	6.0	6.0	7.0	7.0	6.7	6.3	6.0	5.7	6.2
BAR LP 6233	7.0	5.0	5.7	6.0	6.3	6.0	6.0	7.0	7.0	7.0	7.0	6.0	5.7	6.2
ALLSTAR III	7.0	5.0	5.3	6.3	6.7	6.0	6.0	7.0	7.0	6.7	6.7	6.0	5.0	6.1
EVOLVE	7.0	5.0	5.7	6.3	6.0	6.0	6.0	7.0	7.0	6.3	6.7	6.7	5.0	6.1
LINN	6.3	4.7	5.3	6.3	5.3	5.3	5.7	6.0	6.7	6.7	6.3	5.7	5.7	5.8
LSD VALUE	0.9	0.8	1.9	1.8	0.4	0.8	0.8	0.8	0.8	0.9	1.1	1.6	1.7	0.4
C.V. (%)	5.9	7.4	8.4	5.9	3.7	5.7	6.7	5.7	5.7	6.6	6.9	10.7	11.5	3.6

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

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

TABLE 12. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN, UT 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			MAY	JUN	JUL	AUG	SEP	OCT		
NP-3	6.0	5.3	5.7	7.0	6.7	6.7	7.7	7.0	6.8	
PPG-PR 370	6.7	4.7	5.7	6.7	6.3	7.7	7.7	6.0	6.7	
DLFPS-236/3552	7.0	5.3	5.7	6.7	6.0	6.7	8.0	6.7	6.6	
HOMERUN LS (PPG-PR 419)	5.7	4.3	5.0	7.0	6.3	7.0	7.3	6.3	6.5	
ALLOY (RRT)	6.0	4.7	5.3	6.7	6.0	7.7	7.0	6.0	6.4	
DLFPS-236/3546	7.3	4.3	5.3	6.7	6.0	6.3	7.7	6.3	6.4	
MIGHTIER (DLFPS-236/3542)	6.7	5.0	5.3	6.3	6.3	6.3	7.7	6.7	6.4	
PPG-PR 372	7.0	4.7	5.3	6.0	6.3	6.3	7.7	6.7	6.4	
STELLAR 4GL (PPG-PR 424)	6.3	4.7	6.0	6.7	5.3	6.3	7.3	6.7	6.4	
023	5.7	4.3	5.3	6.0	6.0	6.3	7.7	6.3	6.3	
ASP0116EXT	8.0	4.7	6.0	6.7	5.7	6.7	7.0	6.0	6.3	
NP-2	6.0	5.3	5.7	6.0	5.7	6.0	7.7	6.7	6.3	
PL2	6.0	5.3	6.0	6.7	6.0	5.7	7.3	6.0	6.3	
PPG-PR 422	6.3	4.3	4.7	6.7	6.0	6.7	7.3	6.3	6.3	
PR-5-16	6.0	5.3	6.3	5.3	5.3	6.3	7.7	6.7	6.3	
PR-6-15	6.7	4.3	4.7	6.3	6.7	7.0	7.0	6.3	6.3	
SIGNET	6.7	4.0	5.0	6.7	6.3	7.0	6.7	6.0	6.3	
SLUGGER 3GL (PPG-PR 343)	6.3	5.3	5.3	7.0	6.0	6.3	7.3	5.7	6.3	
SUPERSTAR GL (PPG-PR 420)	6.0	5.0	5.7	6.3	5.7	6.7	7.0	6.3	6.3	
02BS1	6.0	4.3	5.3	6.0	6.0	6.7	6.7	6.3	6.2	
APPLE 3GL (PPG-PR 339)	6.3	5.3	5.7	5.7	6.0	6.0	7.3	6.3	6.2	
DLFPS-236/3548	7.0	4.3	5.0	6.7	6.3	6.0	7.0	6.0	6.2	
DLFPS-236/3553	5.7	4.3	5.3	6.0	6.3	6.3	7.0	6.0	6.2	
FASTBALL 3GL (PPG-PR 329)	6.3	4.7	6.0	6.3	5.7	6.3	7.0	6.0	6.2	
GATOR FORE (DLFPS-236/3544)	6.7	4.3	5.3	6.0	5.7	7.0	7.0	6.0	6.2	
KARMA	6.0	4.3	5.3	6.7	5.7	6.0	7.3	6.0	6.2	
MYSTIQUE (DLFPS-236/3547)	6.7	4.3	5.0	6.3	6.0	6.0	7.7	6.0	6.2	
PPG-PR 421	6.7	5.0	5.3	6.7	5.7	6.7	7.0	5.7	6.2	
PST-2A2	6.7	4.3	5.0	6.3	6.0	6.3	7.3	6.3	6.2	
SILVER SPORT (PST-2CRP)	6.7	4.3	5.0	6.3	6.0	6.0	7.3	6.3	6.2	
SLIDER LS (PPG-PR 241)	6.3	4.3	4.7	6.0	5.7	6.3	8.0	6.3	6.2	
SR 4650	6.3	4.7	5.3	6.7	6.0	6.7	6.7	5.7	6.2	
ZOOM 2 (DLFPS-236/3545)	6.0	5.0	5.3	6.3	5.7	7.0	7.3	5.7	6.2	
021	5.3	5.0	5.7	5.7	5.3	6.0	7.3	6.3	6.1	
ASP0218 (A-6D)	7.0	5.0	5.3	6.3	5.7	6.7	7.3	5.3	6.1	
DLFPS-236/3540	6.3	4.3	5.0	6.3	5.3	6.0	7.7	6.3	6.1	
FIESTA CINCO (DLFPS-236/3554)	6.7	4.3	5.7	6.3	5.3	6.0	7.3	6.0	6.1	
FURLONG (LTP-FCB)	6.0	5.0	4.7	6.3	6.0	6.7	6.7	6.0	6.1	
GRAY WOLF (PST-2GAL)	6.0	4.3	5.7	6.0	6.0	6.7	6.7	5.7	6.1	
JR-747	6.3	3.0	3.3	6.3	6.0	6.7	7.7	6.3	6.1	
LPB-SD-104	7.0	3.3	3.7	6.0	6.0	7.0	7.7	6.0	6.1	
PARADOX GLR (PPG-PR 331)	6.7	4.7	5.3	6.0	6.0	6.7	6.7	6.0	6.1	
PPG-PR 360	6.3	5.3	5.3	6.0	6.0	5.7	7.3	6.0	6.1	
PPG-PR 385	6.0	3.7	5.3	6.0	5.7	6.3	7.3	6.0	6.1	
XCELERATOR	5.7	5.7	5.3	6.0	6.0	6.7	6.7	6.0	6.1	
02BS2	5.3	4.7	5.0	6.0	5.7	6.0	7.3	6.0	6.0	
ASP0118GL (A-4G)	6.7	4.3	4.7	6.0	6.3	6.0	7.3	5.7	6.0	

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN, UT 1/
2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			MAY	JUN	JUL	AUG	SEP	OCT		
PARAGON 2 GLR (FP2)	6.7	4.7	5.3	5.7	5.7	6.0	7.3	6.0	6.0	
PST-2FOXY	7.3	3.7	4.0	6.3	6.0	6.7	7.3	5.7	6.0	
SR 4700 (DLFPS-236/3543)	6.0	4.7	5.0	5.3	6.7	6.0	6.7	6.3	6.0	
ASP0117 (A-PR15)	7.0	6.0	6.0	6.0	4.7	6.0	7.0	5.7	5.9	
DLFPS-236/3556	6.3	4.7	5.7	5.3	5.3	6.3	7.0	6.0	5.9	
HATRICK (BSP-17)	8.3	4.3	4.7	6.3	6.0	6.3	7.0	5.0	5.9	
JR-197	6.0	4.3	4.7	6.0	5.7	6.3	7.0	6.0	5.9	
JR-888	6.0	3.3	4.0	6.7	6.0	6.0	7.0	6.0	5.9	
PPG-PR 371	6.0	4.7	5.0	6.0	5.7	6.3	6.3	6.0	5.9	
PST-2MAY	6.7	4.3	5.0	6.0	5.7	6.0	6.7	6.0	5.9	
SAGUARO	6.0	3.7	4.7	6.0	6.0	6.3	7.0	5.3	5.9	
SHIELD (02BS4)	6.0	4.3	5.0	6.0	5.7	5.7	7.3	5.7	5.9	
UMPQUA	5.7	4.3	5.0	5.3	6.0	6.3	7.0	6.0	5.9	
ALLSTAR FORE (DLFPS-236/3541)	6.0	4.7	5.0	6.0	5.7	5.3	6.7	6.3	5.8	
CPN	5.7	3.7	4.7	6.0	5.3	6.0	7.0	6.0	5.8	
DERBY XTREME	6.7	3.7	4.7	5.7	5.7	6.0	7.3	5.7	5.8	
DLFPS-236/3550	7.0	4.7	4.7	5.7	5.7	6.0	6.7	6.0	5.8	
GO-141	6.3	4.0	5.0	6.0	5.3	6.0	7.0	5.3	5.8	
INTENSE	6.0	4.7	5.3	5.3	5.7	5.7	7.0	6.0	5.8	
LPB-SD-101	6.3	3.3	4.0	6.0	5.7	6.3	6.7	6.0	5.8	
LPB-SD-103	7.3	4.0	4.0	6.0	6.0	6.3	7.3	5.3	5.8	
MENSA	6.7	3.0	3.3	5.7	5.3	7.0	7.7	6.0	5.8	
OVERDRIVE 5G	5.7	4.3	4.7	5.7	5.3	5.7	7.3	6.0	5.8	
PPG-PR 423	6.7	4.7	5.0	6.0	5.7	5.7	6.7	6.0	5.8	
SPIKE GLS (UF3)	5.7	5.3	5.0	5.7	5.7	6.3	6.7	5.7	5.8	
TEE-ME-UP (BSP-25)	7.7	4.0	4.3	6.0	5.7	6.7	7.0	5.3	5.8	
BAR LP 6159	6.3	4.3	5.3	6.0	5.0	6.0	6.3	5.7	5.7	
BAR LP 6164	5.3	4.0	4.3	5.0	5.7	6.3	6.7	6.0	5.7	
GRAND SLAM GLD	6.7	4.0	5.0	6.0	5.3	5.7	6.7	5.7	5.7	
GREEN SUPREME+ (AMP-R1)	7.3	4.3	4.0	6.0	5.7	5.7	7.0	5.7	5.7	
PEPPER II (RAD-PR 103)	7.7	3.7	4.7	5.7	5.3	6.0	7.0	5.3	5.7	
SAVANT	6.7	3.3	3.7	6.3	5.3	5.7	7.3	6.0	5.7	
APR3060	6.7	4.3	4.7	5.7	5.3	5.7	7.0	5.0	5.6	
BAR LP 6117	6.7	3.7	5.0	5.0	5.3	6.0	6.3	5.7	5.6	
BAR LP 6158	6.0	4.7	5.7	5.3	5.0	5.3	6.7	5.7	5.6	
CAYMAN (GO-143)	6.7	4.0	4.7	5.3	5.7	5.7	6.7	5.7	5.6	
IVY (PST-2GTD)	6.3	4.7	5.7	5.3	4.3	5.7	6.7	5.7	5.6	
JR-123	6.3	3.3	3.7	6.0	5.3	6.0	7.0	5.3	5.6	
LPB-SD-102	7.0	2.7	3.3	5.7	5.0	6.7	7.0	5.7	5.6	
LPB-SD-105	6.0	2.7	3.0	5.3	5.7	6.7	7.3	5.7	5.6	
MRS�-PR16	7.0	4.0	4.3	5.3	5.0	5.7	7.3	5.7	5.6	
PHARAOH	6.3	5.0	5.3	5.3	5.0	5.3	6.3	6.0	5.6	
PST-2PDA	5.0	4.0	5.0	5.0	5.0	6.0	6.3	6.0	5.6	
BAR LP 6233	5.0	4.0	4.3	5.3	5.3	6.3	6.3	5.3	5.5	
BRIGHTSTAR SLT	5.3	4.0	5.3	5.0	4.7	5.3	6.7	6.0	5.5	
CS-6	7.0	4.3	4.3	6.3	5.3	5.3	6.3	5.3	5.5	
MAN O WAR	6.3	3.7	5.3	5.0	5.0	5.3	6.3	6.0	5.5	

TABLE 12. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN, UT 1/
 2021 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS							MEAN
			MAY	JUN	JUL	AUG	SEP	OCT		
PST-2BDT	7.0	4.0	5.3	5.7	5.0	5.3	6.3	5.3	5.5	
SEABISCUIT	6.0	4.7	5.0	5.3	5.0	5.0	7.0	5.7	5.5	
ALLSTAR III	6.0	4.7	4.0	5.7	5.0	5.3	6.7	5.7	5.4	
APR2616	6.7	4.0	4.3	5.7	4.7	5.7	6.7	5.7	5.4	
BELIZE 2 (GO-142)	6.7	3.0	4.3	5.7	5.0	5.0	6.7	5.7	5.4	
HELIOS (DLFPS-236/3538)	6.0	3.3	4.3	5.7	5.0	5.7	6.7	5.3	5.4	
NEXUS GT (SNX)	7.0	3.7	4.3	5.3	5.3	5.3	6.7	5.7	5.4	
APR2612	6.3	4.0	4.3	5.0	5.0	6.0	6.3	5.3	5.3	
GRAY HAWK (PST-2FIND)	6.3	4.3	4.7	5.3	4.7	5.0	7.0	5.3	5.3	
MRSL-PR15	7.0	4.0	4.0	5.7	5.0	5.7	6.3	5.0	5.3	
PPG-PR 367	5.7	4.0	4.0	5.3	4.7	5.7	7.0	5.0	5.3	
RAD-PR 112	7.7	3.7	4.3	5.3	5.0	5.3	6.3	5.3	5.3	
BAR LP 6131	5.3	4.0	4.3	4.7	5.0	4.7	6.3	5.7	5.1	
BAR LP 6165	5.0	3.0	4.0	5.0	5.0	5.0	6.3	5.3	5.1	
EVOLVE	5.3	3.7	4.0	4.3	4.7	6.0	6.0	5.0	5.0	
FIREBALL (BWH)	8.7	3.3	3.3	5.0	5.0	5.3	6.3	4.7	4.9	
PST-2EGAD	5.7	3.7	4.0	4.7	4.7	4.7	6.7	5.0	4.9	
DLFPS-238/3014	5.3	4.3	4.3	5.0	4.0	4.3	6.0	5.0	4.8	
BAR LP 6162	5.7	4.7	4.0	4.3	4.3	4.3	6.0	5.3	4.7	
LINN	2.7	2.7	2.0	2.3	2.3	2.3	5.0	4.0	3.0	
LSD VALUE	0.9	1.8	1.5	1.3	1.5	1.4	2.4	1.4	0.8	
C.V. (%)	9.0	19.6	17.1	12.4	13.5	12.9	10.8	10.7	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 13. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN (DROUGHT), UT 1/
2021 DATA

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

NAME	SPRING	QUALITY RATINGS						MEAN
	GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	
SLUGGER 3GL (PPG-PR 343)	4.7	6.0	7.0	6.3	7.0	8.0	6.7	6.8
MYSTIQUE (DLFPS-236/3547)	4.7	6.3	6.3	6.7	6.3	7.7	6.7	6.7
PARADOX GLR (PPG-PR 331)	4.7	6.3	7.0	6.0	6.3	7.7	6.7	6.7
SLIDER LS (PPG-PR 241)	5.3	6.7	6.3	6.3	6.3	7.7	6.7	6.7
FIREBALL (BWH)	5.7	7.3	6.0	5.3	7.0	7.7	6.0	6.6
GATOR FORE (DLFPS-236/3544)	5.7	6.0	5.7	6.3	6.3	8.3	6.7	6.6
HATRICK (BSP-17)	5.7	6.7	6.7	6.7	6.0	7.3	6.3	6.6
PARAGON 2 GLR (FP2)	4.7	7.0	6.3	5.0	6.3	8.3	6.7	6.6
PPG-PR 423	5.7	7.3	6.3	5.3	6.7	7.7	6.3	6.6
PST-2MAY	5.7	7.3	6.0	5.7	6.7	7.3	6.7	6.6
FIESTA CINCO (DLFPS-236/3554)	5.3	7.3	7.0	5.7	5.7	7.3	6.0	6.5
FURLONG (LTP-FCB)	5.3	6.0	6.0	5.7	6.0	8.3	7.0	6.5
NP-2	5.3	6.7	6.3	6.7	5.7	7.3	6.3	6.5
SILVER SPORT (PST-2CRP)	5.3	6.0	6.3	6.7	6.0	7.7	6.3	6.5
ASP0117 (A-PR15)	5.7	6.7	6.3	6.0	6.0	7.3	6.0	6.4
DLFPS-236/3553	4.3	7.0	6.0	5.7	5.7	8.0	6.3	6.4
GREEN SUPREME+ (AMP-R1)	5.3	7.3	6.0	5.0	6.0	8.0	6.0	6.4
MIGHTIER (DLFPS-236/3542)	5.0	7.0	6.0	5.7	7.0	7.0	6.0	6.4
PPG-PR 370	4.3	7.3	6.7	5.3	6.0	7.0	6.0	6.4
PST-2A2	5.3	6.7	5.7	5.3	6.7	7.7	6.3	6.4
ALLSTAR FORE (DLFPS-236/3541)	5.3	6.3	6.0	6.3	5.0	8.0	6.3	6.3
APR2616	4.7	6.7	6.0	6.3	5.3	7.3	6.0	6.3
ASP0116EXT	5.3	6.7	5.7	5.3	6.3	7.7	6.3	6.3
CS-6	5.0	6.0	6.7	6.3	5.7	7.3	6.0	6.3
DLFPS-236/3540	5.0	6.3	7.0	6.3	5.0	7.0	6.0	6.3
DLFPS-236/3550	5.0	7.0	6.0	5.3	6.3	7.0	6.0	6.3
DLFPS-236/3552	4.7	7.0	6.0	5.0	6.0	8.0	5.7	6.3
INTENSE	5.7	6.3	6.3	6.0	5.3	7.7	6.0	6.3
LPB-SD-103	5.0	6.7	6.3	5.7	6.3	7.0	6.0	6.3
MRSL-PR16	5.7	6.3	6.7	6.0	5.0	7.3	6.3	6.3
NEXUS GT (SNX)	5.3	6.3	6.3	6.0	6.3	7.0	6.0	6.3
PPG-PR 371	4.3	5.7	6.3	6.0	6.3	7.7	6.0	6.3
PPG-PR 422	5.0	6.7	5.7	5.3	7.0	7.0	6.3	6.3
PST-2FOXY	4.3	6.7	6.3	5.7	5.7	7.7	6.0	6.3
SPIKE GLS (UF3)	5.0	6.3	6.7	5.7	6.0	7.3	6.0	6.3
SR 4650	5.3	6.3	6.3	5.7	5.7	7.7	6.0	6.3
APR3060	4.3	6.7	6.0	5.7	6.3	7.0	5.7	6.2
BAR LP 6164	4.3	6.7	5.7	6.0	5.0	7.7	6.0	6.2
DLFPS-236/3548	5.0	6.0	6.3	5.7	5.7	7.3	6.0	6.2
FASTBALL 3GL (PPG-PR 329)	5.7	6.3	6.0	5.3	6.3	7.3	6.0	6.2
GRAND SLAM GLD	4.7	6.3	6.3	5.7	5.7	7.0	6.3	6.2
GRAY HAWK (PST-2FIND)	4.3	6.3	6.0	5.3	6.3	7.3	6.0	6.2
HELIOS (DLFPS-236/3538)	4.0	6.3	6.0	6.0	5.3	7.3	6.0	6.2
HOMERUN LS (PPG-PR 419)	5.7	7.0	5.7	5.0	6.3	7.0	6.0	6.2
OVERDRIVE 5G	5.0	6.3	5.7	5.7	5.7	7.7	6.0	6.2
PPG-PR 360	5.3	6.3	5.7	5.3	6.7	7.3	6.0	6.2
PPG-PR 367	4.7	6.0	6.7	5.7	5.7	7.0	6.3	6.2

TABLE 13. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN (DROUGHT), UT 1/
 2021 DATA

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

NAME	QUALITY RATINGS							
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SR 4700 (DLFPS-236/3543)	4.3	6.3	6.0	5.0	6.3	7.0	6.3	6.2
STELLAR 4GL (PPG-PR 424)	4.7	6.3	6.0	5.7	6.0	7.0	6.3	6.2
02BS2	5.3	6.0	5.7	5.3	6.3	7.0	6.0	6.1
BRIGHTSTAR SLT	4.7	6.3	5.3	6.0	5.7	7.3	6.0	6.1
CPN	5.0	5.7	6.0	5.7	6.0	7.0	6.0	6.1
GRAY WOLF (PST-2GAL)	5.0	6.0	5.7	5.0	6.7	7.0	6.3	6.1
LPB-SD-102	4.0	5.0	6.7	6.3	5.3	7.3	6.0	6.1
PPG-PR 372	4.0	6.0	5.3	5.0	6.7	7.3	6.3	6.1
PPG-PR 385	5.0	6.3	5.7	5.3	5.7	7.3	6.0	6.1
UMPQUA	4.7	6.0	6.3	5.7	5.3	7.3	6.0	6.1
APPLE 3GL (PPG-PR 339)	4.7	6.0	5.7	5.0	6.3	7.0	6.0	6.0
APR2612	5.0	6.3	5.3	5.0	6.3	7.0	6.0	6.0
PL2	4.7	5.7	6.0	6.0	5.3	7.0	6.0	6.0
RAD-PR 112	5.3	6.3	6.0	5.0	5.3	7.3	6.0	6.0
SAVANT	4.0	5.3	5.7	6.0	6.0	6.7	6.3	6.0
TEE-ME-UP (BSP-25)	5.0	5.7	6.3	5.0	6.0	6.7	6.3	6.0
021	5.0	5.3	5.7	5.0	5.7	7.7	6.0	5.9
023	4.7	5.3	6.0	5.3	5.7	7.3	6.0	5.9
ALLOY (RRT)	5.0	6.3	5.7	5.0	5.7	7.0	6.0	5.9
DERBY XTREME	5.0	6.0	5.7	4.7	5.7	7.7	6.0	5.9
DLFPS-236/3546	5.3	5.7	5.7	5.0	5.7	7.0	6.3	5.9
GO-141	5.0	6.3	6.0	5.7	4.7	7.3	5.7	5.9
IVY (PST-2GTD)	4.7	6.0	6.0	5.3	5.3	7.0	6.0	5.9
MAN O WAR	4.7	5.3	5.7	6.0	5.3	7.0	6.3	5.9
MENSA	4.0	5.3	5.7	5.3	5.7	7.3	6.0	5.9
MRSL-PR15	5.7	6.0	6.0	5.7	5.0	6.7	6.0	5.9
PPG-PR 421	5.0	6.3	6.7	4.7	5.0	7.3	5.7	5.9
PR-5-16	5.3	6.0	6.0	5.3	5.0	7.3	6.0	5.9
PR-6-15	4.7	6.0	5.0	5.3	6.0	7.0	6.0	5.9
PST-2BDT	5.0	6.3	5.3	5.3	5.0	7.0	6.3	5.9
SUPERSTAR GL (PPG-PR 420)	5.0	7.0	6.3	4.7	5.0	6.7	6.0	5.9
ZOOM 2 (DLFPS-236/3545)	4.0	5.3	6.0	5.3	5.7	7.0	6.0	5.9
02BS1	4.7	5.3	5.3	5.3	6.3	6.7	6.0	5.8
ASP0218 (A-6D)	5.3	6.0	5.3	4.7	6.0	7.0	5.7	5.8
BAR LP 6131	4.3	5.7	5.7	5.7	5.0	7.0	5.7	5.8
JR-123	4.7	5.7	5.7	5.7	5.0	7.0	6.0	5.8
JR-197	5.0	5.7	5.0	5.3	5.7	7.0	6.0	5.8
PEPPER II (RAD-PR 103)	4.7	6.0	5.0	5.3	6.0	6.7	5.7	5.8
PST-2EGAD	4.3	5.7	5.3	5.3	5.7	7.0	6.0	5.8
PST-2PDA	4.3	5.3	5.7	5.7	5.3	7.0	6.0	5.8
SEABISCUIT	5.3	4.7	5.7	5.3	6.0	7.0	6.0	5.8
SIGNET	4.7	5.3	5.7	5.7	5.0	7.3	6.0	5.8
XCELERATOR	4.7	5.0	5.3	5.3	6.0	7.0	6.0	5.8
DLFPS-236/3556	5.0	6.0	6.0	4.3	5.7	6.7	5.7	5.7
JR-888	4.0	4.7	5.7	5.7	5.0	7.3	6.0	5.7
KARMA	5.0	6.0	5.7	5.0	5.0	7.0	5.7	5.7
NP-3	5.7	6.7	5.7	4.3	5.0	6.3	6.0	5.7

TABLE 13. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT LOGAN (DROUGHT), UT 1/
 2021 DATA

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

NAME	QUALITY RATINGS							
	SPRING GREENUP	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PHARAOH	4.7	4.7	5.3	5.0	6.0	7.0	6.0	5.7
ALLSTAR III	4.7	5.7	5.3	5.0	5.0	7.0	5.7	5.6
ASP0118GL (A-4G)	4.7	4.7	6.3	4.7	5.7	6.7	5.7	5.6
BELIZE 2 (GO-142)	4.7	6.3	5.7	4.7	4.3	6.7	5.7	5.6
DLFPS-238/3014	5.0	5.3	5.3	5.7	5.0	7.0	5.0	5.6
JR-747	3.0	4.3	5.0	5.0	6.0	7.0	6.0	5.6
BAR LP 6117	4.7	6.0	5.0	5.0	5.0	6.7	5.3	5.5
LPB-SD-105	3.7	4.7	4.7	4.3	6.0	7.3	6.0	5.5
BAR LP 6233	5.0	5.3	5.3	5.7	4.7	6.3	5.3	5.4
LPB-SD-101	3.7	4.7	5.0	5.0	5.0	7.0	5.7	5.4
LPB-SD-104	3.0	4.3	5.3	5.3	5.3	6.7	5.7	5.4
SAGUARO	4.7	4.7	4.7	5.3	5.0	7.0	5.7	5.4
BAR LP 6158	4.3	5.3	5.0	5.3	4.0	6.7	5.7	5.3
SHIELD (02BS4)	4.7	4.3	5.0	4.7	5.0	7.3	5.7	5.3
BAR LP 6159	3.3	5.3	4.7	4.3	5.0	6.3	5.0	5.1
EVOLVE	5.0	6.0	4.3	3.7	4.7	6.7	5.0	5.1
BAR LP 6162	3.7	5.7	5.3	4.0	3.7	6.0	5.3	5.0
BAR LP 6165	3.0	4.3	3.3	3.3	4.3	6.3	5.0	4.4
CAYMAN (GO-143)	4.7	6.5	6.0	4.5	3.3	4.3	3.7	3.8
LINN	2.7	2.0	2.7	4.3	2.3	4.7	4.3	3.4
LSD VALUE	1.1	1.6	2.4	5.6	1.7	1.8	1.0	1.1
C.V. (%)	13.1	14.5	16.0	20.5	15.8	10.7	8.6	9.9

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 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2021 DATA

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

NAME	PERCENT GROUND COVER		QUALITY RATINGS							MEAN
	SPRING	FALL	APR	MAY	JUN	JUL	AUG	OCT		
ZOOM 2 (DLFPS-236/3545)	99.0	99.0	8.0	8.3	7.0	6.3	7.0	8.0	7.4	
BAR LP 6233	99.0	99.0	9.0	7.3	7.3	6.7	6.3	7.3	7.3	
PL2	99.0	99.0	7.7	7.7	6.7	6.3	7.3	7.7	7.3	
SILVER SPORT (PST-2CRP)	99.0	99.0	7.7	7.7	7.0	6.0	6.7	7.7	7.2	
ALLOY (RRT)	99.0	99.0	8.0	7.3	7.0	6.3	7.0	6.7	7.0	
APR2616	99.0	99.0	8.0	7.0	6.7	6.7	6.3	7.0	7.0	
SLUGGER 3GL (PPG-PR 343)	99.0	99.0	7.7	8.3	8.0	6.7	6.0	6.7	7.0	
APR3060	99.0	99.0	7.3	7.3	6.0	5.7	6.7	7.7	6.9	
DLFPS-236/3556	99.0	99.0	7.7	7.7	6.7	6.3	6.7	6.7	6.9	
PR-5-16	99.0	99.0	8.3	7.7	7.3	5.7	6.7	7.0	6.9	
GATOR FORE (DLFPS-236/3544)	99.0	99.0	8.3	7.7	6.3	6.7	6.0	6.3	6.8	
GRAND SLAM GLD	99.0	99.0	8.0	7.3	6.7	6.3	6.0	7.0	6.8	
SLIDER LS (PPG-PR 241)	99.0	99.0	7.3	7.0	6.7	6.7	7.0	6.7	6.8	
UMPQUA	99.0	99.0	8.0	8.0	7.3	6.0	5.7	7.3	6.8	
021	99.0	99.0	7.7	6.7	7.0	6.0	6.0	7.3	6.7	
FURLONG (LTP-FCB)	99.0	99.0	8.0	7.0	6.7	6.0	6.7	6.7	6.7	
HELIOS (DLFPS-236/3538)	99.0	99.0	7.3	7.0	6.7	5.7	7.0	6.3	6.7	
MYSTIQUE (DLFPS-236/3547)	99.0	99.0	8.3	7.3	7.0	6.0	5.3	7.0	6.7	
STELLAR 4GL (PPG-PR 424)	99.0	99.0	7.7	7.0	6.3	5.7	5.3	7.7	6.7	
BAR LP 6164	99.0	99.0	8.0	7.7	6.0	6.3	5.0	6.7	6.6	
BAR LP 6165	99.0	99.0	7.0	7.3	7.7	5.0	5.3	6.7	6.6	
PPG-PR 367	99.0	99.0	7.7	7.0	6.3	6.3	6.3	6.3	6.6	
PPG-PR 372	99.0	99.0	7.7	8.0	6.3	6.0	5.3	7.0	6.6	
PPG-PR 385	99.0	99.0	7.7	7.0	6.7	5.7	6.3	7.0	6.6	
PPG-PR 371	99.0	99.0	6.7	6.7	6.7	6.0	5.7	7.0	6.5	
PPG-PR 421	99.0	99.0	8.7	7.3	6.7	5.7	5.0	6.3	6.5	
PST-2FOXY	99.0	99.0	8.0	7.3	6.0	5.3	6.0	7.0	6.5	
XCELERATOR	99.0	99.0	7.7	7.3	6.7	6.0	5.7	6.3	6.5	
APPLE 3GL (PPG-PR 339)	96.0	99.0	6.7	6.7	6.7	6.0	6.0	6.7	6.4	
BAR LP 6158	99.0	99.0	7.3	6.7	6.7	6.0	6.3	6.3	6.4	
CS-6	99.0	99.0	7.0	6.7	6.0	5.3	6.0	7.0	6.4	
DLFPS-236/3550	99.0	99.0	7.7	7.3	6.7	5.3	6.3	6.0	6.4	
EVOLVE	99.0	99.0	7.0	6.0	6.0	6.0	5.7	8.0	6.4	
GRAY WOLF (PST-2GAL)	99.0	99.0	7.0	7.3	6.0	5.7	6.0	7.0	6.4	
HOMERUN LS (PPG-PR 419)	99.0	99.0	8.0	6.7	6.7	6.0	5.7	6.0	6.4	
PPG-PR 360	99.0	99.0	7.3	6.3	7.0	6.7	5.7	6.0	6.4	
SIGNET	99.0	99.0	7.7	6.3	6.7	5.7	6.3	6.3	6.4	
SR 4700 (DLFPS-236/3543)	94.3	99.0	7.7	6.7	6.7	5.7	5.3	7.0	6.4	
FIESTA CINCO (DLFPS-236/3554)	99.0	99.0	7.0	6.7	6.7	6.7	5.3	6.3	6.3	
JR-197	99.0	99.0	8.0	6.7	6.3	6.0	6.3	5.3	6.3	
PPG-PR 422	99.0	99.0	8.0	7.3	6.3	5.0	5.7	7.0	6.3	
PR-6-15	99.0	99.0	7.0	7.0	6.7	6.0	5.3	6.7	6.3	
SHIELD (02BS4)	99.0	99.0	7.0	6.7	6.0	5.3	7.0	6.7	6.3	
APR2612	96.0	99.0	6.3	6.3	6.3	5.7	6.0	6.7	6.2	
ASP0218 (A-6D)	99.0	99.0	6.7	5.3	5.7	5.3	6.3	7.3	6.2	
BAR LP 6159	99.0	99.0	6.7	6.0	6.3	6.0	6.3	6.0	6.2	
FASTBALL 3GL (PPG-PR 329)	96.0	99.0	7.7	6.3	6.7	6.0	5.3	6.0	6.2	

TABLE 14.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
2021 DATA

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

NAME	PERCENT GROUND COVER		QUALITY RATINGS							MEAN
	SPRING	FALL	APR	MAY	JUN	JUL	AUG	OCT		
MRS�-PR16	99.0	99.0	7.0	6.0	5.7	5.3	6.0	7.3	6.2	
NP-3	99.0	99.0	6.7	6.0	5.7	5.7	5.7	6.3	6.2	
PPG-PR 370	99.0	99.0	8.0	7.3	6.3	6.0	5.0	5.7	6.2	
SUPERSTAR GL (PPG-PR 420)	91.0	99.0	7.3	6.0	6.0	5.7	5.7	6.7	6.2	
TEE-ME-UP (BSP-25)	99.0	99.0	6.3	6.3	5.7	6.0	6.0	7.0	6.2	
ALLSTAR FORE (DLFPS-236/3541)	99.0	99.0	6.0	6.3	6.0	5.3	6.0	7.0	6.1	
BAR LP 6117	99.0	99.0	7.0	6.0	5.7	6.3	7.0	5.3	6.1	
BAR LP 6131	99.0	99.0	6.7	6.0	6.3	5.3	6.0	6.7	6.1	
CPN	99.0	99.0	8.0	7.3	6.3	6.0	5.0	5.7	6.1	
DLFPS-236/3546	96.0	99.0	6.7	7.0	6.3	5.3	5.0	6.7	6.1	
IVY (PST-2GTD)	99.0	99.0	7.0	6.3	5.7	5.0	6.0	7.0	6.1	
KARMA	99.0	99.0	7.3	7.0	6.0	5.7	6.0	5.7	6.1	
SPIKE GLS (UF3)	99.0	99.0	6.7	6.0	6.0	5.0	6.3	7.0	6.1	
023	99.0	99.0	7.7	6.3	6.0	5.7	5.0	6.0	6.0	
ASP0116EXT	97.7	99.0	6.3	6.3	5.0	5.0	5.7	6.7	6.0	
ASP0117 (A-PR15)	99.0	99.0	6.7	6.0	6.3	5.3	6.0	6.0	6.0	
DLFPS-236/3552	99.0	99.0	6.3	6.0	6.3	6.0	5.3	6.3	6.0	
DLFPS-236/3553	99.0	99.0	6.7	6.0	6.0	5.0	5.7	6.7	6.0	
DLFPS-238/3014	99.0	99.0	6.3	6.3	6.7	5.7	5.0	6.0	6.0	
GO-141	99.0	99.0	7.3	6.7	5.7	5.7	5.3	6.0	6.0	
JR-747	99.0	99.0	6.3	5.3	5.3	5.3	5.3	7.3	6.0	
LINN	40.0	33.3	6.0	5.0	7.0	6.0	7.0	6.0	6.0	
NEXUS GT (SNX)	99.0	99.0	7.0	5.7	6.7	5.3	5.7	5.7	6.0	
NP-2	99.0	99.0	7.0	5.7	6.0	5.3	6.3	6.7	6.0	
PARAGON 2 GLR (FP2)	99.0	99.0	6.3	6.3	6.0	5.0	5.7	7.0	6.0	
PPG-PR 423	96.0	99.0	6.7	6.3	6.3	5.3	6.0	6.0	6.0	
PST-2MAY	99.0	99.0	6.7	6.3	5.7	5.0	6.0	7.0	6.0	
02BS1	99.0	99.0	7.7	6.7	5.3	5.7	5.7	5.3	5.9	
02BS2	96.0	99.0	7.7	6.3	5.3	5.7	4.3	6.3	5.9	
ASP0118GL (A-4G)	99.0	99.0	6.0	6.0	6.0	5.3	5.3	6.7	5.9	
BAR LP 6162	99.0	99.0	6.3	6.3	7.0	5.0	5.0	6.3	5.9	
DLFPS-236/3540	99.0	99.0	6.7	6.3	6.0	5.0	5.3	6.3	5.9	
GREEN SUPREME+ (AMP-R1)	99.0	99.0	6.0	6.3	5.7	5.0	5.7	6.7	5.9	
MIGHTIER (DLFPS-236/3542)	94.3	99.0	6.7	6.0	5.7	5.0	5.7	6.7	5.9	
PARADOX GLR (PPG-PR 331)	99.0	99.0	6.3	5.7	6.7	5.7	5.3	6.3	5.9	
PHARAOH	99.0	99.0	7.0	5.7	6.3	5.7	5.3	6.0	5.9	
PST-2PDA	99.0	99.0	6.3	6.3	5.0	5.3	6.0	6.7	5.9	
SEABISCUIT	96.0	99.0	7.3	6.3	5.7	5.0	5.0	6.0	5.9	
SR 4650	99.0	99.0	6.0	6.3	5.7	5.3	5.0	6.7	5.9	
HATRICK (BSP-17)	99.0	99.0	6.3	6.0	5.0	5.7	6.0	5.7	5.8	
JR-888	99.0	99.0	6.7	5.3	5.0	5.0	5.0	6.7	5.8	
MRS�-PR15	99.0	99.0	7.0	5.7	5.3	5.0	5.7	6.0	5.8	
OVERDRIVE 5G	92.7	99.0	6.7	6.0	5.3	5.0	5.3	5.7	5.8	
PST-2A2	99.0	99.0	6.7	6.3	6.3	4.7	5.7	5.7	5.8	
PST-2BDT	96.0	99.0	6.3	5.7	5.3	5.0	5.3	6.7	5.8	
GRAY HAWK (PST-2FIND)	97.7	99.0	6.0	6.3	5.7	5.0	5.3	6.0	5.7	
INTENSE	97.7	99.0	6.7	6.7	5.7	5.0	5.0	5.7	5.7	

TABLE 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT BLACKSBURG, VA 1/
 2021 DATA

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

NAME	PERCENT GROUND COVER		QUALITY RATINGS						
	SPRING	FALL	APR	MAY	JUN	JUL	AUG	OCT	MEAN
PEPPER II (RAD-PR 103)	99.0	99.0	5.7	5.7	6.0	5.3	5.3	5.7	5.7
DLFPS-236/3548	96.0	99.0	6.0	5.7	6.0	5.0	5.0	6.0	5.6
LPB-SD-102	99.0	99.0	6.3	5.3	5.7	4.7	5.0	6.0	5.6
LPB-SD-105	92.7	99.0	6.3	5.0	5.3	4.7	5.0	6.7	5.6
JR-123	96.0	99.0	5.7	5.7	6.0	5.0	4.7	6.0	5.5
RAD-PR 112	99.0	99.0	5.3	5.7	6.0	5.0	4.7	6.0	5.5
BELIZE 2 (GO-142)	89.3	99.0	6.0	5.7	5.3	5.0	4.7	6.0	5.4
CAYMAN (GO-143)	96.0	99.0	6.0	5.3	5.0	5.0	4.7	6.3	5.4
PST-2EGAD	99.0	99.0	6.0	5.7	5.0	5.0	4.7	5.7	5.4
FIREBALL (BWH)	93.0	99.0	5.3	5.3	5.0	5.3	5.0	5.7	5.3
LPB-SD-103	94.7	99.0	6.0	5.3	5.3	4.7	5.3	5.3	5.3
LPB-SD-104	92.7	99.0	5.0	5.3	5.7	5.3	4.7	5.7	5.3
SAVANT	96.0	99.0	5.3	5.7	5.7	5.0	5.0	5.3	5.3
LPB-SD-101	92.7	99.0	5.7	5.3	5.7	4.7	4.3	5.7	5.2
MAN O WAR	97.7	99.0	6.0	5.3	5.3	5.0	4.3	5.0	5.1
SAGUARO	99.0	99.0	5.3	5.7	5.3	5.3	5.0	4.7	5.1
ALLSTAR III	99.0	99.0	5.3	5.7	4.7	4.3	4.0	5.3	5.0
BRIGHTSTAR SLT	79.7	79.7	5.3	4.7	3.7	4.3	5.0	6.0	5.0
DERBY XTREME	99.0	99.0	5.7	5.3	4.7	4.7	4.0	5.3	4.9
MENSA	93.0	99.0	5.0	5.0	5.3	4.7	4.7	5.0	4.9
LSD VALUE	9.7	7.6	3.1	2.7	1.7	1.8	3.4	4.0	1.5
C.V. (%)	5.9	4.9	17.6	16.9	13.6	13.9	19.0	16.9	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 15. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
2016 NATIONAL PERENNIAL RYEGRASS TEST AT MADISON, WI 1/
2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/								
NAME	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
02BS2	6.0	6.3	4.7	6.0	6.3	6.0	6.3	6.0
DLFPS-236/3556	6.3	6.0	5.0	5.7	6.0	6.7	6.0	6.0
MYSTIQUE (DLFPS-236/3547)	5.3	5.7	5.0	6.3	6.0	6.0	6.3	5.8
STELLAR 4GL (PPG-PR 424)	5.7	6.7	4.7	5.7	6.3	5.7	6.0	5.8
JR-197	5.7	6.3	4.7	5.3	6.3	5.7	6.0	5.7
PPG-PR 367	5.3	5.7	5.0	6.3	5.7	5.7	6.0	5.7
PPG-PR 423	5.7	6.7	4.7	5.7	5.7	5.7	6.0	5.7
SUPERSTAR GL (PPG-PR 420)	5.7	6.7	5.0	5.7	5.3	5.7	5.7	5.7
BAR LP 6233	6.0	6.7	4.7	5.7	5.0	5.7	5.3	5.6
DLFPS-236/3553	5.3	6.0	4.7	5.3	5.7	6.3	5.7	5.6
NP-3	5.7	6.3	4.3	5.0	6.0	6.0	5.7	5.6
OVERDRIVE 5G	5.7	6.7	4.7	5.0	5.7	5.3	6.0	5.6
SLIDER LS (PPG-PR 241)	4.7	6.3	4.7	5.7	5.7	6.0	6.0	5.6
021	5.0	5.7	5.0	5.3	5.3	5.7	6.3	5.5
ASP0117 (A-PR15)	5.3	5.0	5.0	5.7	5.3	6.0	6.0	5.5
DLFPS-238/3014	6.0	6.3	4.7	5.3	5.7	5.0	5.3	5.5
INTENSE	4.3	6.0	4.7	6.0	5.7	5.7	6.0	5.5
PPG-PR 422	5.0	5.7	5.0	5.7	5.7	5.7	6.0	5.5
023	4.7	6.0	4.7	5.0	6.0	5.7	6.0	5.4
DLFPS-236/3548	5.3	6.0	5.0	5.3	5.0	5.7	5.7	5.4
FIESTA CINCO (DLFPS-236/3554)	5.3	5.7	4.7	5.0	5.7	5.7	5.7	5.4
PST-2A2	5.0	6.7	4.7	5.0	5.3	5.3	5.7	5.4
02BS1	5.0	6.3	4.7	5.0	5.0	5.3	6.0	5.3
HOMERUN LS (PPG-PR 419)	5.0	6.0	4.7	5.7	5.0	5.0	5.7	5.3
LPB-SD-103	5.3	5.7	4.7	5.3	5.0	5.7	5.7	5.3
MAN O WAR	4.7	6.7	4.7	5.0	5.3	5.3	5.7	5.3
NP-2	4.3	5.3	5.0	5.3	5.7	5.7	6.0	5.3
PARADOX GLR (PPG-PR 331)	5.0	6.3	5.0	4.7	5.0	5.7	5.3	5.3
PARAGON 2 GLR (FP2)	4.7	5.7	5.0	5.3	5.0	5.7	5.7	5.3
PL2	5.3	5.7	4.7	4.7	5.0	6.0	6.0	5.3
PR-6-15	5.0	6.7	4.7	4.7	5.0	5.7	5.3	5.3
PST-2BDT	4.3	5.7	4.3	5.0	5.7	5.7	6.3	5.3
PST-2PDA	5.3	6.3	4.7	5.0	5.0	5.7	5.3	5.3
SR 4700 (DLFPS-236/3543)	4.3	5.7	5.0	5.3	5.0	5.7	6.0	5.3
ZOOM 2 (DLFPS-236/3545)	5.3	5.7	4.7	5.0	5.3	5.3	6.0	5.3
CPN	5.0	6.3	4.7	4.7	4.7	5.3	5.7	5.2
DLFPS-236/3546	4.7	6.0	4.3	5.3	5.0	5.7	5.3	5.2
GATOR FORE (DLFPS-236/3544)	4.3	6.0	5.0	5.0	4.7	6.0	5.3	5.2
HELIOS (DLFPS-236/3538)	5.3	6.0	4.7	4.7	4.7	5.3	5.7	5.2
IVY (PST-2GTD)	4.7	6.3	4.7	5.0	5.0	5.3	5.3	5.2
KARMA	4.3	5.7	5.0	5.0	5.0	5.7	5.7	5.2
PPG-PR 370	5.3	5.7	4.7	4.7	4.7	5.7	5.7	5.2
PPG-PR 421	5.7	6.0	4.7	5.0	5.0	5.3	5.0	5.2
SAGUARO	5.3	5.3	4.7	4.7	5.3	5.7	5.3	5.2
XCELERATOR	5.0	6.3	4.7	5.0	5.0	5.0	5.7	5.2
ALLOY (RRT)	5.0	5.7	4.7	5.0	4.7	5.0	5.7	5.1
APR3060	5.0	6.0	4.7	4.7	5.3	5.0	5.3	5.1

TABLE 15. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
 (CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT MADISON, WI 1/
 2021 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/								
NAME	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
BAR LP 6165	5.3	5.7	4.3	5.0	4.3	5.0	6.0	5.1
FURLONG (LTP-FCB)	4.7	5.3	4.3	5.3	4.7	5.7	5.7	5.1
PPG-PR 360	5.0	5.0	4.7	4.3	5.7	5.3	6.0	5.1
SAVANT	5.7	6.0	4.3	4.0	4.3	5.7	5.7	5.1
SILVER SPORT (PST-2CRP)	4.7	5.7	4.3	5.3	5.3	5.0	5.7	5.1
SPIKE GLS (UF3)	4.7	5.3	4.3	5.0	4.7	6.0	6.0	5.1
APR2612	4.0	5.7	4.7	5.0	5.0	5.0	5.7	5.0
ASP0218 (A-6D)	5.3	6.3	4.3	4.3	4.7	5.0	5.0	5.0
FASTBALL 3GL (PPG-PR 329)	5.7	5.3	4.3	4.7	4.7	5.0	5.7	5.0
PST-2EGAD	5.7	5.3	4.0	4.3	4.7	5.0	6.0	5.0
SIGNET	4.0	6.3	4.7	4.7	5.0	5.0	5.7	5.0
UMPQUA	4.0	4.0	4.7	6.0	5.3	5.7	5.7	5.0
BAR LP 6131	5.3	5.7	4.0	4.3	4.3	5.3	5.3	4.9
BELIZE 2 (GO-142)	4.7	6.0	4.3	4.3	4.3	5.0	5.7	4.9
DLFPS-236/3540	4.0	6.3	4.3	4.3	4.7	5.0	5.3	4.9
DLFPS-236/3552	4.0	5.7	4.3	5.3	4.7	5.0	5.3	4.9
EVOLVE	4.3	6.0	4.7	4.3	5.0	5.0	5.0	4.9
GO-141	5.0	5.7	4.7	4.7	4.3	4.7	5.0	4.9
JR-888	4.0	5.7	4.3	5.0	4.7	5.3	5.3	4.9
PHARAOH	4.7	5.3	4.7	4.7	4.7	5.0	5.3	4.9
PPG-PR 371	4.7	5.3	4.7	5.3	4.7	4.3	5.3	4.9
PPG-PR 385	5.3	5.3	4.7	4.3	5.0	4.3	5.0	4.9
PR-5-16	5.0	4.7	4.3	4.7	4.7	5.3	5.7	4.9
SEABISCUIT	4.7	5.3	4.3	4.0	5.0	5.3	5.3	4.9
APPLE 3GL (PPG-PR 339)	4.0	5.3	4.3	4.3	5.0	5.3	5.0	4.8
BAR LP 6158	4.7	5.7	4.3	4.3	4.7	5.0	4.7	4.8
BAR LP 6164	4.3	5.3	4.7	4.3	4.7	5.0	5.3	4.8
CS-6	4.7	5.7	4.0	5.0	3.7	5.0	5.3	4.8
DERBY XTREME	4.0	5.7	4.3	4.7	4.3	5.0	5.3	4.8
TEE-ME-UP (BSP-25)	4.3	5.3	4.3	4.3	4.7	4.7	5.7	4.8
ALLSTAR FORE (DLFPS-236/3541)	4.3	5.3	4.7	4.3	4.7	4.7	5.0	4.7
ALLSTAR III	4.7	5.3	4.3	3.7	4.3	5.0	5.7	4.7
APR2616	5.0	5.3	4.7	4.7	4.0	4.0	5.0	4.7
GRAY HAWK (PST-2FIND)	4.0	5.3	4.3	4.3	4.7	5.0	5.0	4.7
GRAY WOLF (PST-2GAL)	4.3	5.3	4.0	4.0	4.7	4.7	5.7	4.7
LPB-SD-101	4.7	4.3	4.0	5.0	4.3	5.0	5.3	4.7
MENSA	4.3	5.3	4.3	4.3	4.7	5.0	5.0	4.7
MIGHTIER (DLFPS-236/3542)	4.0	5.0	4.7	4.3	5.0	4.7	5.3	4.7
SR 4650	4.0	5.3	4.3	4.7	4.3	5.0	5.3	4.7
BRIGHTSTAR SLT	4.0	5.3	4.0	4.0	4.0	5.7	5.3	4.6
GREEN SUPREME+ (AMP-R1)	3.7	5.0	4.3	4.3	5.0	5.0	5.0	4.6
MRSL-PR16	4.0	5.0	4.3	4.0	5.0	4.7	5.3	4.6
PPG-PR 372	4.0	4.0	4.7	4.7	5.0	4.7	5.3	4.6
PST-2MAY	3.7	5.3	4.0	4.7	5.0	4.7	4.7	4.6
ASP0118GL (A-4G)	3.7	4.7	4.3	4.7	4.3	4.3	5.3	4.5
FIREBALL (BWH)	3.7	4.7	4.3	4.3	4.3	5.0	5.0	4.5
JR-123	3.7	4.0	4.3	4.0	4.3	5.3	6.0	4.5

TABLE 15. MEAN TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS IN THE
(CONT'D) 2016 NATIONAL PERENNIAL RYEGRASS TEST AT MADISON, WI 1/
2021 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
MRSI-PR15	4.3	5.3	4.3	4.0	4.3	4.3	4.7	4.5
SHIELD (02BS4)	4.7	5.0	3.7	4.3	4.3	4.7	5.0	4.5
DLFPS-236/3550	4.3	4.7	3.7	4.3	4.0	5.0	5.0	4.4
HATRICK (BSP-17)	4.0	5.3	4.0	4.0	4.0	4.3	5.0	4.4
PEPPER II (RAD-PR 103)	4.0	5.0	4.0	4.3	4.0	4.7	5.0	4.4
BAR LP 6117	4.7	5.0	4.0	3.7	4.0	4.3	4.7	4.3
BAR LP 6159	4.3	5.0	3.7	4.3	3.7	5.0	4.0	4.3
GRAND SLAM GLD	4.0	4.7	4.0	3.7	4.0	4.3	5.3	4.3
PST-2FOXY	4.0	4.7	4.3	4.3	4.0	4.3	4.7	4.3
ASP0116EXT	3.3	5.0	4.0	4.7	4.0	4.0	4.7	4.2
LPB-SD-105	3.7	3.7	4.3	4.3	4.0	4.0	5.0	4.1
NEXUS GT (SNX)	3.7	4.0	3.7	4.0	3.7	4.7	5.3	4.1
SLUGGER 3GL (PPG-PR 343)	3.3	4.7	4.0	3.7	4.0	4.0	5.0	4.1
BAR LP 6162	3.3	4.7	3.0	4.3	4.0	4.0	4.3	4.0
CAYMAN (GO-143)	3.3	4.7	3.7	3.7	3.3	4.3	5.3	4.0
LPB-SD-102	3.3	4.3	4.0	4.3	3.3	4.0	5.0	4.0
LPB-SD-104	3.7	4.3	3.7	4.0	3.7	4.3	4.0	4.0
JR-747	3.3	4.0	3.3	3.3	4.0	4.3	4.7	3.9
RAD-PR 112	3.0	4.0	3.3	3.7	3.7	3.7	4.3	3.7
LINN	2.7	2.7	3.0	2.7	3.3	3.7	3.7	3.1
LSD VALUE	2.2	1.9	1.7	1.8	1.4	1.4	1.4	1.0
C.V. (%)	21.2	16.9	13.9	17.7	15.8	13.8	12.0	10.8

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

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