TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
GROWN AT TWENTY-TWO LOCATIONS IN THE U.S.
2019 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA7	CT1	DE1	GA1	IA1	IN1	KY1	MD1	MI1	MO1	MS1	NC1	NE1	NJ1	NJ2	OK1	OR1	PA2	TN1	UT1	UT2	VA1
3B2	4.6	5.7	6.5	5.7	6.7	6.8	5.8	5.8	6.8	5.4	4.5	4.7	5.0	5.3	4.8	5.8	5.5	6.4	5.8	7.7	6.0	6.4
3N1	5.5	5.6	6.0	5.9	6.9	5.9	5.7	5.6	6.7	5.0	4.4	4.9	5.1	5.6	4.8	5.6	5.4	6.5	6.1	7.8	6.7	8.2
5LSS	4.6	5.9	6.5	6.3	6.7	6.2	5.7	5.0	6.8	4.7	4.7	4.0	5.1	7.1	5.5	5.0	5.8	6.6	6.1	7.9	6.5	8.6
A-TF31	5.1	5.7	4.5	5.9	7.0	5.8	5.6	4.2	6.2	5.0	4.1	3.0	4.8	5.4	5.2	4.9	5.7	6.4	6.3	7.7	6.4	5.9
AH1	5.1	6.0	5.8	6.1	7.2	6.6	6.1	5.6	6.3	6.2	4.9	3.9	4.9	7.1	6.9	5.3	6.0	6.5	6.5	8.3	6.9	5.8
AH2	4.0	6.3	6.8	6.8	6.9	6.3	6.1	6.0	6.7	6.2	4.9	4.8	5.2	7.7	7.6	5.2	5.8	6.8	6.7	7.7	6.7	6.8
AST8118LM	4.9	5.4	5.4	5.7	7.3	5.8	5.6	4.2	6.3	5.0	4.1	3.4	4.9	4.9	4.7	5.4	5.7	6.8	6.4	7.6	6.4	6.9
AST8218LM	4.7	5.4	5.6	6.1	7.1	6.2	5.6	4.0	5.8	4.8	4.3	3.7	4.9	4.3	5.0	5.7	5.4	6.9	6.4	8.2	6.4	6.7
ATF1768	4.8	6.1	6.0	5.8	6.9	6.2	5.9	5.0	6.7	5.4	4.4	4.3	4.8	3.9	5.6	5.7	5.3	6.6	6.4	8.1	5.9	7.1
ATF2116	5.3	5.5	5.8	6.1	7.0	6.6	5.7	5.1	6.6	4.4	4.7	5.0	4.7	4.3	4.1	6.2	5.0	6.4	6.3	7.9	6.3	7.2
BANDIT	4.5	5.8	6.3	5.6	7.1	6.7	5.7	3.9	6.2	5.4	4.5	3.5	5.0	3.9	4.1	5.4	5.5	6.9	5.6	7.8	7.0	5.7
BAR 9FE MAS	4.1	5.4	5.6	5.7	7.1	5.9	5.4	4.1	6.1	5.4	4.2	3.4	4.8	3.8	4.9	5.4	5.2	6.3	5.8	7.7	6.1	6.5
BAR FA 8228	5.7	5.7	5.9	5.7	6.8	6.1	5.6	5.1	5.8	5.1	4.6	4.0	4.7	2.8	3.1	5.2	5.2	6.4	6.3	7.5	6.2	6.3
BAR TF 134	4.8	5.6	5.8	6.2	6.8	5.8	5.7	5.9	6.3	5.5	4.9	4.0	5.0	6.4	6.4	5.6	5.2	6.7	6.1	7.9	6.7	7.8
BAR-FA8230	4.7	5.8	6.0	5.8	6.8	6.1	5.6	4.6	6.4	5.2	4.8	4.0	5.1	3.9	4.8	6.1	5.2	6.3	6.5	7.9	6.7	7.7
BGR-TF3	5.4	6.4	5.7	6.1	7.2	6.9	5.9	3.9	6.5	4.7	4.3	3.4	4.6	4.5	4.5	5.5	5.7	7.0	6.5	8.1	5.8	6.7
BIRMINGHAM	4.7	5.7	5.8	6.1	7.2	5.7	5.6	4.3	6.8	5.4	4.1	5.2	5.0	4.8	4.5	5.8	5.3	6.6	6.4	7.9	6.6	5.6
BRAVO 2	6.1	5.7	5.5	6.5	6.8	6.6	5.9	5.0	6.7	5.8	4.2	5.1	5.1	4.3	4.7	5.4	5.2	6.7	6.1	7.9	6.3	7.0
BULLSEYE	4.4	6.1	6.2	5.9	7.1	6.1	5.7	5.0	6.1	5.1	4.4	3.5	4.9	5.0	4.7	5.3	5.3	6.4	6.4	7.9	6.4	6.2
BULLSEYE LTZ	4.5	5.7	6.5	5.8	7.0	6.4	5.9	5.2	6.3	5.4	4.5	5.3	4.9	6.5	5.4	5.6	5.6	6.8	6.9	8.1	6.5	7.1
BY-TF-169	5.5	5.7	5.6	6.6	6.9	6.1	5.9	6.0	6.9	5.7	4.7	5.2	5.0	6.6	5.5	5.5	5.5	6.7	6.7	8.1	6.6	7.3
COL-TF-148	4.8	6.2	6.2	6.9	6.7	6.3	6.0	6.0	6.0	5.9	4.8	3.9	5.2	7.1	6.6	5.4	5.4	6.4	6.6	7.7	6.5	6.4
COPIOUS TF	5.1	5.9	5.8	5.7	7.1	6.3	5.7	4.0	5.6	5.2	4.4	4.0	5.1	4.1	5.8	5.0	5.4	6.5	6.4	7.9	6.9	6.6
DLFPS-321/3679	5.3	5.8	6.0	6.0	7.0	6.2	5.9	5.8	6.4	5.4	4.6	4.0	5.1	5.1	4.7	5.8	5.0	6.8	6.3	7.7	6.5	6.6
DLFPS-321/3693	5.3	6.3	6.3	5.8	7.1	5.7	6.1	5.9	6.4	5.3	4.7	3.6	4.7	6.5	5.7	5.4	5.8	6.7	6.7	8.0	6.6	7.4
DLFPS-321/3694	4.6	5.9	6.3	6.0	7.1	5.8	5.9	4.4	6.7	5.6	4.3	3.4	4.9	6.3	6.0	5.0	5.6	6.3	6.2	7.9	6.1	7.5
DLFPS-321/3695	4.8	5.7	6.4	6.2	6.8	6.5	6.3	5.0	6.2	5.4	4.4	4.2	4.8	6.7	6.5	5.5	6.0	6.6	6.6	7.9	6.2	6.9
DLFPS-321/3696	5.5	6.1	5.9	6.3	6.9	6.1	5.8	5.2	6.3	5.4	4.6	4.2	5.2	5.8	6.6	5.4	5.3	6.8	6.7	7.9	6.6	6.2
DLFPS-321/3699	5.1	5.7	6.0	6.1	7.2	6.2	5.8	6.2	6.7	5.7	4.7	4.9	5.0	6.5	6.6	5.6	5.8	6.9	6.8	7.9	6.5	6.7
DLFPS-321/3701	5.1	5.9	6.2	6.5	7.0	5.8	5.9	5.3	6.3	5.8	4.7	4.6	4.9	6.3	5.2	5.4	5.6	6.5	6.2	8.1	6.5	8.6
DLFPS-321/3702	4.8	5.3	6.2	6.3	7.0	6.2	5.9	5.0	6.2	5.7	4.8	3.7	4.8	5.7	5.0	5.6	6.1	6.7	6.4	8.1	6.3	8.0
DLFPS-321/3703	4.6	5.6	5.9	6.0	6.8	6.3	5.9	5.2	6.3	5.7	4.4	4.6	5.0	6.3	4.3	5.1	5.8	6.8	6.6	7.7	6.0	7.5
DLFPS-321/3705	5.5	6.1	6.2	6.2	6.8	6.2	6.2	6.0	7.0	5.8	4.6	5.6	4.9	5.8	6.0	5.6	5.5	6.3	6.1	8.1	6.4	7.6
DLFPS-321/3706	4.6	5.7	6.0	5.7	6.7	6.2	5.9	5.8	6.2	5.2	4.6	3.5	4.9	5.9	4.7	5.2	5.8	6.9	6.7	7.9	6.5	7.1
DLFPS-321/3707	3.5	5.7	6.0	6.1	7.1	6.4	5.8	6.1	6.0	4.9	4.9	3.9	5.0	6.2	5.4	5.0	6.0	6.9	6.2	7.7	6.2	6.9
DLFPS-321/3708	5.0	5.9	6.0	6.1	7.1	5.8	5.8	5.3	5.7	4.7	5.0	3.8	5.0	5.7	5.3	5.8	5.7	6.8	6.4	8.1	6.5	7.5
DLFPS-TF/3550	4.9	5.8	6.3	6.1	6.8	6.8	5.8	5.6	6.2	5.3	4.8	4.4	4.7	6.4	6.0	5.5	5.8	6.8	6.3	7.7	6.4	7.8
DLFPS-TF/3552	4.7	5.8	6.1	6.0	7.1	6.9	6.2	5.1	5.9	5.2	4.8	4.5	4.8	6.9	6.3	5.7	5.8	6.7	6.2	8.1	6.3	8.1
DLFPS-TF/3553	5.1	6.6	6.3	6.2	7.1	6.2	5.9	5.6	5.8	5.1	4.8	4.1	4.7	6.6	5.1	5.5	5.8	7.0	6.0	7.7	6.5	7.3
DRAGSTER	4.5	5.8	6.3	5.9	6.8	6.0	6.0	5.3	5.8	5.6	4.6	4.9	4.8	6.6	6.0	5.4	5.6	6.6	6.4	8.0	7.0	6.2
ESCALADE	5.3	5.9	5.2	5.6	7.0	6.8	5.7	3.8	6.1	4.6	4.3	4.0	4.9	4.0	3.9	5.6	4.8	6.2	5.6	7.5	6.1	6.4
ESTRENA	5.1	5.9	5.7	5.6	7.0	6.4	5.9	5.0	6.4	5.8	4.1	4.3	4.8	6.9	3.5	5.0	5.6	6.5	6.2	8.0	6.4	5.5
FAYETTE	5.4	5.7	5.5	5.6	7.1	6.4	5.8	4.9	6.5	5.6	4.4	4.6	5.0	5.2	4.1	5.7	5.5	6.3	6.1	7.7	6.3	6.7
FIREHAWK SLT	5.7	5.7	6.0	6.3	6.8	5.6	6.1	5.3	6.5	5.2	4.5	3.7	5.2	6.3	4.0	4.9	5.6	6.7	6.5	8.0	6.6	6.3
GLX ACE (PST-5DART)	5.4	5.7	6.0	5.9	6.5	6.5	5.9	5.7	6.1	4.8	4.6	4.7	4.9	5.7	6.5	5.8	5.6	6.5	6.1	7.6	6.5	6.9
GO-AOMK	4.0	5.3	4.9	6.0	6.9	5.9	5.9	4.8	6.2	4.2	4.5	4.3	5.0	5.2	4.1	5.6	5.3	6.6	6.5	8.0	6.0	6.3

TABLE 1. (CONT'D)   MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
                                         GROWN AT TWENTY-TWO LOCATIONS IN THE U.S.
                                                     2019 DATA

                                        TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA7	CT1	DE1	GA1	IA1	IN1	KY1	MD1	MI1	MO1	MS1	NC1	NE1	NJ1	NJ2	OK1	OR1	PA2	TN1	UT1	UT2	VA1
GO-RH20	5.3	6.2	6.2	6.3	6.7	5.6	5.7	5.3	6.7	5.7	4.6	5.6	4.9	6.4	5.4	5.5	5.8	6.6	6.8	8.1	6.2	6.5
GRAND PRIX (FC15-01P)	5.3	5.7	5.8	5.5	6.8	6.1	5.6	4.2	6.2	5.1	4.4	4.1	4.9	3.7	3.8	5.5	4.7	6.3	6.3	7.7	6.4	6.2
GRANDE 3	5.2	6.3	5.9	6.1	6.8	6.8	5.9	5.9	6.7	5.6	4.8	4.6	4.9	5.2	5.9	5.3	5.6	6.6	6.7	7.9	6.4	6.6
HEMI	4.0	5.6	6.5	6.3	7.0	6.0	5.9	5.4	6.4	5.4	4.6	4.1	4.9	6.1	5.0	4.9	5.0	6.3	6.6	8.0	6.3	6.8
JS DTT	5.2	6.0	6.5	6.4	7.2	6.2	6.0	6.3	6.6	6.3	4.9	4.6	5.0	6.3	7.2	5.4	5.7	6.3	6.3	7.9	6.0	6.8
JT 233	5.3	5.6	6.3	6.4	6.9	6.3	5.8	5.1	6.1	5.7	4.6	5.0	4.9	6.7	5.9	5.5	6.0	6.8	6.4	7.6	6.5	6.3
JT 268	4.8	5.7	6.3	6.5	7.0	5.6	5.9	5.4	6.1	6.3	4.7	4.3	4.9	8.0	5.4	5.5	6.0	6.8	5.3	8.1	6.9	6.7
JT 517	5.2	5.8	6.1	5.6	7.0	6.6	5.7	4.2	5.8	5.5	4.4	3.6	4.9	4.0	3.9	5.4	5.3	6.8	6.5	7.7	6.1	7.6
K18-NSE	4.3	5.6	6.3	6.4	6.8	6.0	6.0	5.4	6.3	5.5	4.7	4.3	5.0	7.1	5.7	4.9	5.7	7.1	6.7	8.0	6.7	5.9
K18-ROE	5.2	6.0	6.0	6.2	6.9	6.1	5.8	4.9	6.1	5.8	4.6	4.8	4.9	6.2	5.3	5.7	5.4	6.5	6.5	7.7	6.4	6.2
K18-RS6	5.2	5.9	6.3	6.3	6.7	6.3	6.2	6.0	6.5	6.3	4.8	4.6	5.3	8.3	6.5	5.4	5.3	6.9	6.5	8.1	6.5	6.6
K18-WB1	4.5	5.9	6.0	6.7	6.9	5.9	5.9	6.1	6.8	5.4	4.6	3.7	5.2	7.2	4.8	5.7	5.8	6.2	5.9	8.1	6.2	6.2
KENTUCKY-31	4.4	4.3	5.6	4.4	6.4	5.8	4.4	2.7	5.6	4.8	3.9	3.9	4.4	1.1	1.3	4.4	3.3	4.1	5.9	7.1	4.8	4.9
LBF	6.0	6.2	6.0	6.0	7.1	6.4	5.7	4.2	5.9	5.3	4.4	3.5	4.6	4.7	4.7	5.4	5.9	6.6	6.4	7.9	6.5	6.7
LIFEGUARD	5.2	5.7	6.5	6.2	6.8	6.2	5.9	5.4	6.6	5.4	4.3	4.3	4.9	4.6	5.3	5.8	5.0	6.3	6.3	7.9	6.4	7.6
LTP-TF-111	5.2	5.8	6.0	6.3	6.8	6.7	5.9	5.9	6.1	4.7	4.8	4.9	4.7	6.2	6.3	5.9	5.8	6.7	6.4	8.1	6.6	7.7
LTP-TF-122	4.3	5.7	6.1	6.3	6.7	5.8	6.0	6.0	6.2	5.1	4.5	4.5	5.1	7.3	6.2	5.5	5.6	6.5	6.5	7.7	6.5	7.0
MOONDANCE GLX	4.6	5.9	5.9	5.6	6.8	6.1	5.9	4.4	6.6	5.4	4.6	4.4	5.0	4.6	5.6	6.1	5.2	6.2	5.4	7.7	5.9	8.1
NAI-3N2	4.2	5.8	6.0	6.1	7.0	6.5	6.1	5.0	6.0	5.7	4.6	5.4	5.2	6.5	6.0	5.6	5.8	6.7	6.6	8.2	6.7	6.5
NAI-FQZ-17	4.7	5.5	5.6	5.6	6.7	5.9	5.7	4.4	6.6	4.8	4.3	3.8	5.0	3.7	4.1	5.2	5.4	6.6	6.1	7.9	6.4	6.1
NAI-ROS4	5.2	6.5	6.2	6.2	6.7	6.0	6.1	5.2	6.8	5.5	4.7	5.1	4.9	6.7	6.1	5.5	5.7	6.5	6.7	8.1	6.7	8.1
NAI-ST5	5.4	5.7	5.9	6.7	7.0	6.1	6.1	6.1	6.9	5.2	4.7	5.1	5.0	5.8	6.0	5.9	5.7	6.7	5.6	8.1	6.5	6.4
NAI-TUE	4.9	5.8	6.2	6.3	7.0	6.2	5.9	4.6	6.3	5.4	4.5	5.1	4.9	5.4	5.7	5.6	5.9	7.0	5.6	7.9	6.2	6.4
NATURALLY GREEN	5.1	5.8	5.6	5.6	7.0	5.8	6.0	4.7	5.7	5.3	4.4	4.3	4.7	3.4	4.6	5.4	5.5	6.3	6.1	7.9	6.4	7.2
NT-3	5.1	6.1	6.5	5.7	6.9	6.2	6.0	5.6	6.3	4.7	4.9	4.7	5.0	6.6	4.9	4.8	6.1	6.6	6.3	8.0	6.5	7.7
OG-WALK	4.3	5.6	5.4	5.8	6.8	6.4	5.5	3.6	6.4	4.7	4.3	3.7	4.9	2.8	3.6	5.4	4.7	6.0	6.2	7.4	5.7	6.4
PADRE 2	6.0	5.7	6.0	5.9	6.8	6.6	5.8	5.8	6.5	5.9	4.8	4.9	5.0	6.2	5.0	5.3	5.6	6.4	6.7	8.1	6.6	7.7
PALOMAR	5.4	5.7	5.9	5.2	6.8	6.1	5.6	3.7	6.2	5.3	4.4	3.9	4.7	2.6	4.8	5.4	5.0	6.4	5.8	7.6	5.7	6.4
PARAMOUNT	5.4	6.2	5.8	5.9	7.0	5.4	5.7	5.3	6.3	5.8	4.5	4.2	5.1	6.7	5.1	5.4	5.3	6.8	6.4	7.7	6.1	7.4
PPG-TF 231	4.8	6.1	5.9	5.7	7.0	5.6	6.1	5.7	6.1	5.5	4.2	3.7	4.8	6.8	5.9	5.5	5.1	6.7	6.5	7.9	6.5	7.1
PPG-TF 238	4.3	6.1	6.5	6.3	6.8	5.1	6.1	5.4	6.5	5.3	4.6	4.9	4.8	7.5	5.6	5.8	5.4	6.7	6.2	7.9	6.6	7.4
PPG-TF 244	5.0	5.7	5.8	6.4	6.8	6.1	6.0	5.4	6.3	5.9	4.9	5.4	5.0	6.4	6.4	5.6	5.7	6.7	5.5	7.9	6.8	7.9
PPG-TF 249	4.2	6.3	6.0	6.5	7.0	6.2	6.1	5.7	5.9	5.6	4.5	4.0	5.1	6.0	6.1	5.8	5.7	6.6	6.1	7.9	7.4	7.2
PPG-TF 254	5.5	5.9	6.5	6.3	6.8	5.5	6.1	6.1	6.3	5.7	4.6	4.6	4.9	6.4	6.2	5.6	5.8	6.7	6.5	7.6	6.6	6.7
PPG-TF 255	5.3	6.1	6.0	6.6	7.0	6.2	6.0	5.9	6.7	6.7	4.8	4.6	5.1	6.1	6.6	5.9	5.5	6.9	6.7	8.1	6.8	7.3
PPG-TF 257	5.8	5.9	6.0	6.0	6.8	6.2	5.8	5.3	6.1	4.1	4.6	4.6	5.2	6.5	6.0	5.5	5.8	6.8	6.6	7.9	6.7	6.3
PPG-TF 262	4.5	6.4	6.3	6.7	6.9	6.0	5.9	6.3	6.3	5.9	4.8	4.4	5.0	6.9	5.1	5.1	5.7	6.5	6.4	8.1	6.8	6.7
PPG-TF 267	4.6	6.1	5.9	6.4	7.0	6.3	5.9	6.0	6.4	5.4	4.7	5.1	5.3	6.8	5.2	5.6	5.6	6.8	6.3	7.7	6.6	6.0
PPG-TF 305	6.4	5.8	6.5	5.7	7.0	5.7	6.0	5.3	6.2	5.4	5.0	4.0	4.9	5.9	5.4	5.7	6.3	6.6	6.1	8.2	6.9	7.9
PPG-TF 306	5.9	5.6	6.4	6.2	6.9	5.5	6.1	6.6	6.8	5.2	4.7	5.4	5.0	6.3	6.0	5.5	6.3	6.8	6.5	7.9	7.3	8.1
PPG-TF 308	4.5	5.7	6.5	6.2	6.6	6.1	5.7	6.0	6.2	5.6	4.8	4.6	5.0	7.0	5.5	5.5	6.1	6.7	5.8	8.3	6.3	7.4
PPG-TF 312	5.0	6.0	6.5	6.0	6.8	6.0	6.2	6.3	6.2	5.4	4.4	3.7	5.2	7.2	4.9	5.1	5.2	6.9	6.5	8.1	6.2	7.6
PPG-TF 313	5.5	5.7	6.4	5.9	6.9	6.8	5.9	6.3	6.2	5.9	4.7	4.0	5.1	7.3	5.2	5.1	5.9	6.8	6.6	8.1	6.3	5.9
PPG-TF 315	5.5	6.5	6.1	6.4	7.0	5.4	5.8	5.9	6.2	6.0	4.7	3.9	4.9	6.4	6.6	6.0	5.6	7.0	6.7	7.9	7.0	6.7
PPG-TF 316	5.0	6.1	6.3	5.8	7.0	5.4	6.2	6.2	5.9	5.1	4.8	5.2	5.1	6.0	5.8	5.4	6.0	6.7	6.6	8.1	6.9	6.6
PPG-TF 318	4.9	6.0	6.1	6.2	6.8	5.6	6.1	6.0	6.2	4.8	4.4	4.7	5.2	7.2	5.7	5.4	5.5	6.6	6.4	8.1	6.5	7.2

TABLE 1. (CONT'D)   MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
                                         GROWN AT TWENTY-TWO LOCATIONS IN THE U.S.
                                                      2019 DATA

                                     TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA7	CT1	DE1	GA1	IA1	IN1	KY1	MD1	MI1	MO1	MS1	NC1	NE1	NJ1	NJ2	OK1	OR1	PA2	TN1	UT1	UT2	VA1
PPG-TF 320	4.4	6.1	6.5	6.1	7.1	6.2	6.0	5.7	6.4	5.6	4.6	4.7	4.8	7.0	5.3	5.8	5.3	7.0	5.9	7.9	6.5	8.3
PPG-TF 323	4.6	5.6	6.2	6.2	7.0	6.0	6.1	5.7	6.4	5.1	4.6	4.7	5.0	6.4	5.4	5.7	5.8	6.9	6.2	8.1	6.6	7.3
PPG-TF 336	3.6	6.6	6.4	6.6	7.0	5.6	6.2	6.9	6.1	5.2	4.5	4.2	5.0	7.0	5.8	5.2	5.5	6.6	6.8	7.9	6.5	8.2
PPG-TF 337	4.3	5.7	6.3	6.8	6.9	5.2	6.0	5.7	6.4	4.8	4.8	4.6	5.0	6.5	5.1	5.5	5.8	6.7	6.3	7.9	6.6	8.2
PPG-TF 338	5.1	6.2	6.1	5.6	7.1	6.3	5.9	5.8	5.9	5.7	4.8	5.3	5.0	7.1	5.9	5.8	5.9	6.9	6.5	7.9	6.3	6.1
PRO GOLD	5.0	6.0	6.2	5.5	7.0	6.4	5.8	5.1	6.2	5.8	4.5	4.3	5.2	5.2	5.6	5.3	5.1	6.6	6.5	8.1	6.5	6.8
PST-5BYOB	6.1	6.0	6.5	5.8	6.9	6.1	5.8	5.3	6.5	5.2	4.4	4.6	5.0	5.2	5.7	5.8	5.4	6.5	6.4	7.9	6.1	7.3
PST-5DC24	4.3	5.8	5.5	6.2	7.0	6.4	5.6	4.6	5.9	4.7	4.5	3.5	4.9	4.4	4.2	5.7	5.0	6.3	6.3	7.9	6.6	6.9
PST-5DZM	4.4	5.5	5.3	6.0	6.7	6.1	5.6	5.6	6.2	5.2	4.3	4.2	5.0	4.7	4.0	5.5	5.6	6.3	6.1	7.7	6.4	6.6
PST-5E6	5.5	5.9	6.8	5.9	6.5	5.8	5.9	5.2	6.2	5.3	4.7	4.9	4.9	4.2	4.5	5.6	5.1	6.3	6.4	7.8	6.0	7.6
PST-5GLBS	5.5	5.7	5.9	6.3	7.0	6.8	5.9	5.1	6.5	5.7	4.7	4.8	4.9	4.5	6.0	6.0	5.0	6.0	6.2	7.5	6.2	6.6
PST-5GQ	5.0	5.4	6.1	6.4	6.7	5.8	5.8	5.1	5.8	5.1	4.6	4.6	5.2	4.8	5.0	5.7	5.3	6.5	5.7	7.9	6.6	7.6
PST-5MCMO	5.8	5.9	6.5	5.7	6.7	6.1	5.9	5.7	5.7	4.8	4.6	4.7	4.9	5.0	6.0	5.8	5.0	6.3	6.7	7.8	6.5	7.5
PST-5MINK	4.0	5.8	5.8	5.1	7.0	6.1	5.3	4.2	6.7	3.9	4.4	3.8	4.5	4.0	5.2	5.1	5.0	6.3	6.3	7.6	5.9	6.7
PST-5SQB	5.7	5.5	5.5	6.1	6.7	6.8	5.5	5.2	6.6	5.2	4.4	4.7	4.8	5.7	4.4	5.7	4.9	6.3	5.4	7.8	6.0	6.7
PST-5THM	5.1	5.9	6.4	5.8	6.7	5.7	5.7	5.8	6.4	5.2	4.6	4.6	4.7	4.1	5.4	5.5	6.0	6.2	6.6	7.7	6.1	7.2
PST-5TRN	5.2	6.2	6.0	6.0	6.8	5.6	5.7	5.8	6.2	5.7	4.5	5.3	4.9	5.4	5.3	5.9	5.0	6.3	5.9	7.8	6.7	7.5
RAD-TF105	4.5	5.9	5.8	6.3	7.0	6.6	5.9	5.1	5.8	5.1	4.4	4.3	5.0	5.1	4.2	4.8	6.1	6.6	6.4	8.3	6.3	6.2
RAD-TF131	5.0	5.3	5.6	5.6	7.0	6.4	5.7	4.3	5.7	5.1	4.4	2.6	5.1	4.6	2.9	4.8	6.0	6.7	6.1	8.0	6.3	6.8
RAPTOR III	5.2	5.6	5.5	6.1	6.8	5.9	6.0	5.4	6.3	5.7	4.7	4.3	4.9	6.9	4.5	5.3	5.3	6.5	6.6	8.1	6.6	6.5
RC4	5.0	5.4	6.3	5.9	7.1	5.9	6.1	6.2	6.2	4.6	4.7	4.0	5.1	7.0	5.5	5.8	5.8	6.6	6.4	8.1	6.6	7.2
RDC	4.7	6.1	6.3	6.1	6.7	6.0	6.2	6.2	6.2	5.7	4.8	4.7	5.1	6.2	6.3	5.4	5.5	6.6	6.5	8.1	6.1	6.9
RH1	5.6	5.7	5.9	6.1	6.9	6.7	6.0	5.8	7.3	5.6	4.8	5.6	5.0	6.6	5.8	5.6	5.8	6.5	6.7	8.0	6.3	6.8
RH3	5.6	5.9	6.6	6.3	6.6	6.3	6.0	5.9	6.4	6.3	4.4	4.9	5.4	7.1	5.3	5.6	5.4	6.6	6.4	8.1	6.2	6.7
RHF	4.4	6.0	6.1	6.5	6.7	6.6	6.0	5.2	6.6	5.8	4.6	5.3	5.0	7.4	5.7	5.6	5.5	6.8	6.4	7.9	6.5	6.5
RHL2	4.3	6.0	5.9	6.2	7.0	6.2	6.2	5.9	6.8	5.3	4.7	4.3	5.5	7.1	5.5	5.0	5.6	6.5	6.3	8.1	6.6	7.2
RS1	4.3	5.9	6.3	6.1	7.0	6.3	6.0	4.9	7.1	6.3	4.7	4.3	5.3	5.9	6.1	5.3	6.0	6.7	6.3	7.9	6.3	8.3
SE53D2	4.0	5.8	6.3	6.4	6.9	6.7	5.9	5.0	6.3	4.9	4.5	4.4	4.9	5.2	5.5	5.8	5.5	6.5	5.6	7.3	6.4	6.1
SE5STAR	4.9	5.6	5.8	5.5	6.8	6.7	5.7	5.7	6.6	4.9	4.4	4.7	5.2	4.6	4.5	5.4	4.9	6.4	5.3	7.6	6.3	6.0
SESCR1	5.2	5.6	6.0	6.1	7.0	5.6	6.1	5.4	6.7	5.4	4.4	5.3	5.1	6.0	4.6	5.5	5.6	6.6	6.7	7.9	6.3	7.1
SETF104	4.6	6.5	6.0	6.4	7.0	6.7	5.9	5.0	5.7	6.1	4.7	3.9	4.9	5.7	3.9	5.0	5.5	6.8	6.2	8.2	6.1	7.1
SETFM2	5.5	5.6	5.4	5.7	7.1	6.9	5.6	4.7	5.6	4.7	4.4	3.4	4.7	3.6	3.8	5.3	5.5	6.7	6.5	7.7	6.8	6.6
SETFM3	5.0	6.0	5.5	5.9	7.2	6.2	5.8	4.7	5.8	4.6	4.3	4.1	4.9	4.5	4.6	5.6	5.9	6.5	6.2	7.7	6.5	7.1
TANGO	4.9	5.6	6.2	6.3	7.0	6.3	5.6	5.0	5.9	4.9	4.3	4.5	4.8	4.2	4.5	5.2	5.5	6.7	6.3	7.9	6.3	6.2
TD2	5.0	6.2	6.6	6.6	6.9	6.5	6.0	6.4	6.4	5.7	5.1	5.0	5.0	7.3	6.0	5.5	5.8	7.0	6.8	8.0	6.5	7.6
TF445	5.7	5.8	6.4	6.4	6.8	5.9	5.8	6.2	6.2	5.2	4.7	5.4	5.1	6.2	6.3	5.5	5.5	6.8	6.4	7.9	5.9	7.6
TF456	5.4	5.8	6.2	6.1	6.9	6.2	6.2	5.9	6.7	5.6	4.7	5.1	5.4	7.0	5.5	5.5	5.3	6.8	6.0	8.2	6.3	7.7
TMT1	5.1	5.5	6.0	6.8	7.2	6.2	6.1	5.1	6.7	6.2	4.5	4.2	4.9	6.5	6.8	5.4	6.0	6.9	6.4	7.9	6.4	6.9
TURBO SS	3.4	5.6	5.5	5.6	7.2	6.3	5.7	3.7	5.8	5.2	4.4	2.9	5.0	3.3	3.1	4.6	5.9	6.6	6.5	8.3	6.2	5.9
ZRC1	5.2	6.1	6.4	6.2	6.6	5.8	6.1	6.3	6.6	6.5	4.6	4.8	4.8	7.1	6.2	5.5	5.2	6.6	6.9	7.7	6.9	7.2
LSD VALUE	1.9	0.7	0.8	0.7	0.4	0.8	0.4	1.1	1.0	1.3	0.4	1.3	0.4	1.4	1.1	0.5	0.7	0.5	0.8	0.5	0.8	2.0
C.V. (%)	23.8	7.4	7.9	7.6	3.2	8.5	3.7	12.6	10.2	14.8	5.1	18.4	5.3	14.9	13.3	6.1	7.7	4.7	8.0	4.1	7.8	18.2

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

TABLE 2. TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT SEVENTEEN LOCATIONS IN THE U.S.
2019 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	AR1	CT1	IA1	IN1	KY1	MD1	MI1	MN1	NC1	ND1	NE1	NJ1	NJ2	OK1	TN1	UT1	VA1
A06-8	6.0	6.1	6.0	5.3	6.6	5.2	6.6	4.7	5.0	6.8	5.1	5.2	4.7	5.0	4.8	4.4	5.7
A10-280	6.1	6.2	6.6	5.2	6.0	4.6	5.9	5.6	5.1	7.2	4.6	4.1	5.8	6.9	6.1	3.6	5.4
A11-26	6.1	6.7	6.8	5.7	6.4	4.9	6.0	6.0	5.0	6.1	4.9	7.4	7.3	5.4	6.0	3.5	6.2
A11-38	6.1	5.9	5.6	5.7	6.6	5.8	6.6	5.3	3.5	6.7	4.8	6.7	3.2	4.9	4.4	3.4	5.9
A11-40	5.5	6.3	5.7	5.0	6.5	6.2	7.4	5.1	4.5	7.0	5.1	6.4	4.5	5.6	5.2	3.8	6.3
A12-34	6.1	6.1	5.9	5.0	6.2	5.1	6.2	5.2	4.5	6.5	5.0	4.2	4.2	5.5	5.8	4.0	5.2
A13-1	6.3	6.2	5.1	5.6	6.2	5.9	6.9	4.7	4.9	6.7	5.0	3.8	7.0	6.0	5.6	3.7	5.3
A15-6	6.1	6.1	5.7	5.1	6.1	4.2	6.0	5.0	5.4	6.2	5.0	4.6	5.0	5.5	5.7	3.9	5.1
A16-1	4.9	6.2	6.2	4.5	5.7	4.4	5.6	4.9	4.9	6.9	4.9	5.5	2.3	4.3	4.9	3.7	5.4
A16-17	5.9	6.3	7.0	5.3	6.2	5.5	5.1	5.2	4.7	6.2	5.0	6.2	7.1	6.1	5.1	4.4	5.4
A16-2	5.7	6.8	6.9	5.1	6.0	4.9	6.1	5.1	4.8	6.8	4.8	6.6	4.5	5.1	4.8	3.7	5.2
A16-7	6.6	7.3	5.8	4.8	6.6	5.6	5.8	4.8	4.7	6.2	4.9	4.2	4.3	5.4	5.8	3.4	5.7
A99-2897	6.1	6.8	6.3	5.1	6.5	5.5	6.6	4.5	4.4	6.5	5.1	3.8	6.9	6.3	6.0	3.9	6.2
AFTER MIDNIGHT	7.2	7.8	5.3	4.6	6.3	5.9	5.4	5.0	6.1	7.3	5.2	8.0	5.7	6.1	6.4	3.4	5.9
AKB3128	6.1	5.8	5.9	5.4	6.1	5.4	6.6	5.3	5.1	7.5	4.9	5.2	5.8	5.2	5.6	4.3	5.2
AKB3179	6.0	5.7	6.8	6.1	6.1	5.1	6.7	5.6	4.7	7.5	5.3	6.0	4.3	5.3	5.1	3.4	6.0
AKB3241	6.2	5.9	6.0	5.4	6.3	5.3	6.0	5.5	4.1	7.5	5.1	5.0	5.5	5.0	5.8	4.3	5.8
AMAZE (NAI-14-133)	5.5	5.3	5.8	5.2	5.8	5.2	6.0	5.4	4.4	6.3	5.2	4.0	4.7	4.2	4.8	3.5	5.6
AVIATOR II (NAI-15-84)	5.9	6.6	5.1	4.7	6.5	4.4	5.7	5.9	4.3	6.5	4.9	4.2	2.1	4.4	5.3	4.1	5.4
BABE	5.8	6.4	6.0	5.1	5.9	5.5	6.3	4.6	4.8	7.5	5.2	6.3	4.1	4.8	5.0	3.6	5.6
BAR PP 71213	6.1	5.9	6.0	4.9	5.6	4.9	6.3	4.2	5.5	7.2	4.7	6.7	6.0	5.7	5.1	3.4	6.1
BAR PP 7236V	6.2	5.7	5.8	5.1	5.7	4.8	6.8	4.2	5.2	7.7	4.8	5.7	5.9	5.8	5.1	3.8	5.8
BAR PP 7309V	5.6	5.9	6.2	5.4	5.9	5.1	6.1	4.8	4.9	7.3	4.9	4.8	4.8	5.6	5.4	4.2	6.1
BAR PP 79366	6.1	6.7	6.0	5.3	6.5	5.9	7.2	5.1	5.5	6.3	5.0	5.2	6.6	6.3	6.0	3.4	5.5
BAR PP 79494	6.8	7.1	7.0	4.7	6.4	5.9	5.6	5.0	6.0	7.2	5.1	5.8	5.0	5.8	6.0	3.2	5.9
BAR PP 7K426	6.2	5.7	6.5	5.3	5.4	5.1	6.6	5.0	4.7	7.3	5.0	5.2	5.0	6.2	4.9	3.5	5.7
BARSERATI (BAR PP 110358)	6.2	6.2	5.8	5.8	6.5	6.2	6.8	5.8	5.8	6.8	5.2	6.5	6.9	6.3	6.1	3.1	5.9
BARVETTE HGT®	6.3	5.4	6.6	5.3	5.9	5.3	6.4	4.6	5.7	7.3	4.9	6.1	5.7	5.8	6.0	3.9	5.9
BLUE DEVIL	6.4	7.1	6.4	4.9	6.4	5.1	6.8	4.8	5.7	6.2	5.0	6.7	4.8	5.0	6.4	3.4	5.5
BLUE GEM (NAI-13-9)	6.4	7.4	6.7	4.8	6.6	5.7	6.0	5.2	5.4	7.2	5.0	6.2	6.0	5.1	6.5	3.6	5.4
BLUE KNIGHT	5.8	6.5	5.2	4.6	6.2	4.3	4.7	4.9	3.3	6.0	4.7	4.1	2.0	5.0	5.6	3.2	5.7
BOMBAY (GO-22B23)	6.5	6.6	5.6	5.6	6.3	5.5	6.8	6.3	5.2	6.2	5.4	8.1	6.9	5.9	5.8	5.2	5.7
CLOUD (GO-2425)	6.8	7.2	6.0	5.7	6.6	5.9	6.5	5.7	6.0	6.3	5.3	7.5	6.5	5.9	6.2	4.2	5.7
COMANCHE (NAI-14-176)	5.7	5.1	6.5	5.6	6.1	5.9	6.1	5.2	3.8	7.3	5.0	4.6	3.1	4.1	4.6	3.3	5.1
DLFPS-340/3364	4.9	5.8	4.8	4.8	6.2	4.3	5.4	4.1	5.1	6.5	4.9	2.7	3.6	5.5	5.9	3.0	6.3
DLFPS-340/3438	5.8	5.7	5.4	5.6	6.1	4.7	6.5	4.6	4.1	6.8	4.9	4.4	5.6	5.0	5.4	4.1	5.4
DLFPS-340/3444	4.8	6.6	6.2	4.6	5.6	4.0	5.9	4.2	4.9	6.7	4.8	5.7	2.1	5.2	4.7	3.4	5.6
DLFPS-340/3446	6.1	5.7	5.4	5.3	6.2	4.4	6.1	5.3	4.7	6.2	4.8	4.3	4.5	5.0	5.1	4.1	5.6
DLFPS-340/3455	5.9	5.8	6.3	5.2	5.5	4.2	6.3	4.7	4.9	7.3	4.9	5.6	4.3	5.2	5.1	3.2	5.4
DLFPS-340/3494	5.9	6.7	5.8	4.6	6.0	5.1	5.2	6.2	5.0	6.8	5.0	5.2	2.3	5.5	6.1	4.0	5.6
DLFPS-340/3500	6.4	6.6	5.6	5.4	6.5	4.7	6.3	5.6	4.0	6.5	4.8	6.0	6.3	6.0	6.0	3.8	5.8
DLFPS-340/3548	6.1	5.8	5.6	5.1	6.0	4.4	5.9	5.3	4.0	6.7	4.7	5.8	3.7	5.1	4.9	3.8	6.2
DLFPS-340/3549	5.8	5.9	6.2	5.2	6.0	4.5	6.7	4.4	4.4	6.8	4.7	6.7	3.4	5.1	4.9	3.0	6.1
DLFPS-340/3550	6.2	6.9	7.1	5.9	6.6	5.2	6.5	6.1	5.4	6.2	5.2	5.7	6.3	5.6	6.1	5.0	5.2
DLFPS-340/3551	5.7	6.2	6.0	5.8	6.4	4.9	6.1	4.9	5.2	6.2	5.1	4.6	5.9	6.1	4.8	4.9	5.4
DLFPS-340/3552	5.6	6.7	6.5	5.8	6.4	5.3	6.4	5.0	4.9	6.2	5.0	5.1	5.9	5.5	5.5	4.6	5.6
DLFPS-340/3553	6.2	6.7	6.0	5.5	6.8	5.4	5.9	4.4	4.6	6.3	5.3	4.9	6.6	5.9	5.8	3.9	5.6
DLFPS-340/3556	6.5	7.1	7.0	4.9	6.6	4.7	6.8	5.4	4.6	6.3	4.9	5.4	6.2	6.0	5.8	4.1	5.3

TABLE 2. (CONT'D) TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS
GROWN AT SEVENTEEN LOCATIONS IN THE U.S.
2019 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	AR1	CT1	IA1	IN1	KY1	MD1	MI1	MN1	NC1	ND1	NE1	NJ1	NJ2	OK1	TN1	UT1	VA1
FINISH LINE (NAI-14-178)	6.9	6.8	6.4	4.8	6.3	5.4	5.9	5.2	4.0	7.5	5.2	7.0	5.5	4.7	5.3	3.9	5.8
HEARTLAND (NAI-14-187)	5.2	5.5	6.2	4.7	6.2	4.8	5.8	5.7	4.4	6.5	4.9	4.9	3.6	4.8	5.1	3.5	5.2
J-1138	6.5	7.0	6.9	5.1	6.5	6.0	6.1	4.8	6.5	7.2	5.4	6.0	6.1	6.0	6.4	3.0	5.8
J-1319	6.3	7.3	6.9	4.4	6.7	4.8	5.6	6.6	5.7	6.3	5.3	5.5	4.3	5.1	5.6	3.2	5.9
J-2726	6.3	7.4	5.0	4.9	6.3	5.9	6.0	5.4	5.3	6.1	4.9	7.1	4.7	5.4	4.9	3.1	5.9
J-3510	6.7	7.6	7.3	4.7	6.5	5.7	6.6	4.8	5.7	6.2	5.1	6.4	6.2	5.4	6.2	3.4	6.1
JERSEY (NAI-A16-3)	6.3	6.8	6.2	5.1	6.1	5.1	6.3	4.9	4.8	6.5	5.0	8.1	4.4	5.1	4.8	3.5	5.8
KENBLUE	5.3	4.7	6.0	4.6	5.6	3.1	5.3	3.1	3.5	6.2	4.2	4.3	2.1	4.8	4.9	3.0	5.7
KH3492	6.1	6.7	6.9	5.4	6.0	5.4	6.4	4.4	5.1	7.2	5.0	7.3	4.2	5.3	5.1	3.1	5.9
LTP-11-41	6.1	6.4	7.6	5.1	6.4	5.4	6.6	5.4	3.9	6.5	5.2	5.6	5.7	5.5	5.5	4.2	5.7
MIDNIGHT	7.1	7.4	6.7	4.6	6.6	5.3	6.6	4.7	5.3	6.5	5.0	6.2	5.7	5.3	6.1	3.0	4.8
MVS-130	5.6	4.9	6.0	5.6	6.2	5.2	5.9	5.4	4.8	6.5	4.9	5.0	4.1	4.8	5.4	3.3	5.8
NAI-13-132	6.4	7.4	6.8	4.6	6.6	5.5	6.1	4.7	4.9	7.3	5.2	6.1	4.9	5.1	6.4	3.7	5.6
NAI-14-122	5.3	5.5	6.1	5.3	6.0	5.3	6.1	5.6	4.7	6.5	5.3	5.0	3.3	4.5	5.0	3.8	5.9
NAI-14-128	5.7	5.4	7.0	5.6	5.8	5.9	6.7	5.2	4.3	6.3	5.0	5.0	3.9	5.1	5.4	3.6	5.2
NAI-15-80	5.7	5.7	6.7	4.5	5.8	4.7	5.8	5.2	4.6	7.7	5.3	2.0	4.1	4.8	5.3	2.8	5.3
NEW MOON (PST-K15-177)	6.2	6.7	7.0	5.1	6.6	5.7	5.8	6.3	4.4	6.2	5.4	6.7	4.6	5.2	5.3	4.2	5.6
NK-1	5.6	6.2	6.2	5.6	6.0	5.3	5.8	4.1	4.1	6.2	4.8	2.0	5.3	5.6	5.7	3.7	5.8
ORION (PST-K13-143)	6.4	5.7	6.6	5.2	6.0	5.5	6.1	5.2	4.1	6.5	4.8	5.9	3.6	4.7	4.9	3.7	5.8
PALOMA (PST-K13-139)	6.1	5.8	6.2	5.4	5.9	4.4	6.3	5.6	4.3	6.5	4.9	5.9	1.9	4.9	4.5	4.2	5.4
PIVOT	5.9	5.5	5.6	4.8	6.4	5.3	5.7	5.4	5.0	6.8	5.0	4.8	4.5	4.7	6.0	3.9	5.8
PPG-KB 1131	6.8	7.7	5.8	4.9	6.5	6.0	6.4	4.9	5.4	6.6	5.0	6.8	5.7	5.3	6.3	3.8	4.8
PPG-KB 1304	6.2	6.9	6.5	5.6	6.8	5.5	6.7	5.3	5.2	6.3	5.0	5.9	7.4	5.7	5.9	4.8	5.4
PPG-KB 1320	5.7	6.6	6.0	4.8	6.5	5.4	5.7	5.4	3.3	6.7	5.3	6.2	1.0	4.3	4.5	2.7	6.0
PROSPERITY	6.2	7.4	7.0	5.1	6.6	4.3	5.8	5.2	4.3	6.2	5.0	7.0	3.3	4.9	4.7	4.8	5.6
PST-11-7	6.4	7.2	5.6	4.9	5.6	4.9	5.2	5.3	4.1	7.2	4.8	6.4	4.4	5.5	4.6	3.0	6.2
PST-K11-118	6.4	6.3	5.7	5.8	6.4	5.9	6.7	5.3	5.8	6.7	5.1	7.2	5.8	5.8	5.7	3.8	5.3
PST-K13-141	6.1	5.8	6.3	5.4	6.0	4.1	6.3	4.9	4.9	6.8	4.9	4.2	5.7	5.8	5.8	3.8	4.9
PST-K15-157	5.4	5.8	6.6	5.5	6.1	4.5	6.1	5.4	4.7	7.3	5.3	3.8	3.9	5.1	5.3	3.1	5.4
PST-K15-167	6.3	5.6	6.2	4.6	6.4	4.4	4.6	4.6	5.3	7.2	5.0	6.6	4.3	5.5	5.6	3.5	5.5
PST-K15-172	6.3	6.2	6.5	5.6	6.2	4.7	6.2	5.6	5.0	6.1	4.9	7.2	5.9	5.7	5.6	3.3	5.5
PST-T14-39	6.4	5.9	6.5	5.1	5.8	4.0	5.7	5.1	5.2	7.0	5.0	6.6	5.6	5.9	6.0	3.8	5.2
RAD 553	6.1	5.2	5.8	4.9	5.7	4.0	5.6	4.7	4.1	7.3	5.0	4.3	3.7	5.2	5.9	4.5	6.2
RAD-1776	4.9	6.4	5.8	5.8	5.7	5.3	6.4	5.1	4.1	7.0	4.8	4.6	3.3	5.1	4.4	4.0	76.0
SELWAY	5.9	5.6	6.0	4.8	6.1	4.5	5.8	4.3	5.0	6.5	4.9	6.1	4.4	5.3	6.3	4.0	6.0
SHAMROCK	6.1	6.1	6.0	4.8	5.8	3.6	5.6	4.1	4.7	7.3	4.8	6.0	2.9	4.9	5.1	3.5	5.6
SKYE	6.4	6.8	6.5	5.7	6.2	5.5	6.9	5.3	5.6	6.2	5.1	6.7	6.4	5.6	6.0	4.2	6.0
STARR (GO-2628)	6.5	6.7	7.0	5.5	6.4	5.7	6.3	5.8	5.4	6.5	5.1	7.8	6.9	5.7	6.2	4.8	6.1
TWILIGHT (NAI-14-132)	5.1	5.6	6.4	5.4	6.3	5.5	6.7	5.7	3.9	6.3	5.2	3.9	3.9	4.3	5.1	3.6	5.6
UNITED (NAI-13-14)	6.8	7.3	7.3	4.8	6.3	5.8	6.3	5.0	5.4	6.5	4.9	5.4	5.6	5.5	6.4	3.3	5.3
YELLOWSTONE (A12-7)	5.9	6.3	6.6	5.4	6.2	5.3	6.7	5.6	4.8	7.2	5.0	6.9	5.0	5.0	5.4	3.4	5.8
LSD VALUE	0.7	0.7	1.7	0.6	0.5	1.1	1.0	0.9	1.0	0.0	0.4	1.2	1.0	0.9	0.8	0.9	2.5
C.V. (%)	7.3	6.4	16.6	7.7	4.8	13.1	9.8	10.4	13.0	0.4	5.0	13.3	13.5	10.2	8.6	14.9	27.8

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

TABLE 3.   TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
                                  GROWN AT EIGHTEEN LOCATIONS IN THE U.S.
                                              2019 DATA

                              TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA7	CT1	IA1	IL1	KS1	KY1	MD1	MI1	MN1	MO1	NE1	NJ2	OR1	OR2	UT1	UT2	VA1	WI1
021	5.3	6.4	7.6	3.1	4.8	5.7	5.9	6.0	5.2	4.1	4.9	5.4	6.7	6.5	6.4	5.8	6.4	4.3
023	6.0	6.4	7.0	3.0	4.6	5.9	4.6	5.5	5.6	4.7	4.8	5.5	6.6	6.4	6.6	5.4	6.6	4.6
02BS1	4.7	6.3	7.0	5.6	5.0	5.7	4.4	5.3	4.7	3.9	5.0	5.7	6.9	6.4	6.6	5.5	6.7	3.9
02BS2	5.9	6.7	6.7	3.2	5.4	6.3	6.4	5.7	5.7	5.3	5.1	6.1	6.8	6.3	6.9	5.5	5.7	4.3
ALLOY (RRT)	5.1	7.3	7.2	3.3	5.3	6.2	5.7	6.0	5.3	5.1	4.9	6.4	6.8	6.4	7.3	5.7	6.5	4.1
ALLSTAR III	5.4	6.4	6.0	5.6	4.8	5.1	3.6	5.7	3.7	3.7	5.0	4.2	6.3	5.8	6.3	5.5	5.0	4.3
APPLE 3GL (PPG-PR 339)	4.9	7.4	6.4	7.3	5.3	6.2	5.5	6.0	5.9	5.4	5.1	5.5	6.8	6.4	6.5	6.0	6.2	4.1
APR2612	5.5	5.9	6.6	5.4	5.2	5.9	4.7	5.7	3.9	4.6	4.8	5.0	6.3	5.9	6.1	5.7	5.4	4.2
APR2616	5.6	6.7	6.8	7.9	4.7	5.9	5.2	5.7	5.3	4.5	5.1	5.0	6.3	5.9	6.8	6.0	6.7	4.1
APR3060	5.9	6.1	6.6	5.6	5.0	5.8	4.3	5.3	4.8	4.9	5.1	4.7	5.8	5.7	5.9	5.5	6.7	3.9
ASP0116EXT	5.9	5.8	7.0	7.8	4.8	5.8	4.7	5.3	4.9	3.5	4.5	3.8	6.2	6.0	6.8	6.0	6.4	3.2
ASP0117 (A-PR15)	5.2	6.1	7.0	5.5	5.2	6.0	4.9	5.0	5.8	4.2	4.9	5.0	6.5	6.2	6.5	5.5	5.9	4.6
ASP0118GL (A-4G)	5.4	6.7	6.8	7.4	4.9	6.0	4.9	6.0	4.7	4.8	4.7	4.8	6.6	6.4	6.4	5.7	5.8	3.5
ASP0218 (A-6D)	5.7	6.3	5.8	7.8	4.9	6.0	5.0	5.7	4.3	5.2	4.7	3.7	6.6	6.4	7.0	6.0	6.2	4.5
BAR LP 6117	6.0	6.2	6.7	8.0	5.1	5.7	4.8	5.3	4.5	5.0	5.0	4.3	6.3	5.9	6.3	5.3	6.1	3.4
BAR LP 6131	5.9	5.8	6.9	7.4	4.8	5.4	4.4	5.7	4.6	4.6	5.0	3.4	6.0	5.9	5.7	5.0	6.4	4.3
BAR LP 6158	5.6	5.8	7.0	7.9	5.2	5.6	4.0	5.3	4.2	5.0	4.6	4.4	5.7	5.6	5.8	5.2	6.3	3.9
BAR LP 6159	5.6	5.9	6.9	5.5	5.0	5.6	4.7	5.7	4.7	5.0	5.0	4.0	6.0	5.9	6.2	5.6	5.5	3.7
BAR LP 6162	5.2	5.7	6.2	7.6	4.6	5.2	4.3	4.3	1.9	4.6	4.5	3.0	5.6	5.6	5.6	5.0	6.2	3.2
BAR LP 6164	6.1	6.3	7.2	7.7	5.2	6.0	5.3	5.7	4.7	4.8	5.1	4.5	6.3	6.1	5.9	5.4	6.3	4.0
BAR LP 6165	4.9	5.2	7.6	7.5	4.3	5.6	4.2	4.7	3.9	4.4	5.0	4.7	6.0	6.0	5.0	4.2	6.8	4.3
BAR LP 6233	5.0	6.0	7.2	5.2	5.0	5.9	4.8	5.7	4.8	4.9	5.2	4.8	6.1	6.1	5.8	5.2	6.7	4.8
BELIZE 2 (GO-142)	5.4	6.4	5.6	3.2	5.0	5.7	5.0	5.3	4.3	3.4	4.9	4.0	6.3	6.0	6.3	5.4	6.3	4.1
BRIGHTSTAR SLT	4.7	5.6	6.4	5.1	4.9	5.1	3.1	6.0	4.4	4.1	4.8	3.2	5.9	5.8	6.0	5.5	4.6	3.9
CAYMAN (GO-143)	5.1	6.0	6.0	5.5	5.5	5.6	4.5	5.0	3.8	4.9	4.7	3.2	6.2	6.0	6.7	5.8	5.9	2.9
CPN	5.3	6.9	7.0	5.3	4.9	5.9	4.3	5.7	6.3	4.7	5.2	5.5	6.9	6.6	6.7	5.9	6.9	4.0
CS-6	5.6	5.9	6.1	8.0	4.6	5.8	4.6	5.7	5.4	3.5	4.6	4.0	6.5	6.3	6.8	5.4	6.1	4.4
DERBY XTREME	5.3	6.4	6.1	7.7	4.4	5.6	4.3	5.7	5.0	3.6	5.1	4.5	6.6	6.4	6.4	5.7	5.5	4.1
DLFPS-236/3538	5.6	6.9	7.7	3.2	5.3	5.8	5.3	5.5	5.6	6.3	4.9	5.5	6.3	6.1	6.5	5.9	7.1	4.9
DLFPS-236/3540	5.5	6.6	6.8	7.7	4.9	6.0	4.9	5.0	5.6	4.6	5.2	5.3	6.6	6.3	6.3	5.7	6.1	3.8
DLFPS-236/3541	5.9	6.8	6.5	3.4	5.2	6.4	5.8	5.7	5.7	4.1	5.0	6.3	6.9	6.6	6.5	6.0	6.7	4.0
DLFPS-236/3542	5.2	6.9	7.1	5.7	5.2	5.8	5.4	6.7	4.4	3.9	5.1	6.0	6.7	6.5	7.1	5.5	7.1	3.5
DLFPS-236/3543	5.7	7.5	7.7	5.3	5.0	6.3	5.8	6.0	5.3	4.6	5.1	6.6	6.8	6.5	6.8	5.8	6.3	4.1
DLFPS-236/3544	5.7	6.8	7.3	7.7	5.2	6.0	5.5	6.0	6.2	4.7	5.2	5.4	6.8	6.6	6.6	5.8	6.3	4.3
DLFPS-236/3545	5.4	7.0	7.0	5.6	5.2	6.3	5.5	6.0	4.9	4.7	5.2	6.0	6.9	6.5	6.3	5.5	6.6	5.0
DLFPS-236/3546	5.7	7.3	7.4	7.6	5.4	6.4	4.9	5.7	6.2	5.7	4.8	6.1	6.7	6.7	6.7	5.4	5.7	3.9
DLFPS-236/3547	5.2	7.2	7.7	7.6	5.4	6.3	5.2	6.0	5.7	4.7	5.0	6.8	6.9	6.7	6.5	5.5	6.7	4.3
DLFPS-236/3548	5.1	6.9	7.2	7.7	5.1	6.0	5.6	6.0	5.4	5.4	5.0	5.4	6.4	6.5	6.4	5.7	6.6	4.3
DLFPS-236/3550	5.6	7.1	6.8	7.6	5.0	6.1	5.3	6.0	5.4	4.4	5.1	5.2	6.4	6.2	6.8	6.0	6.5	3.4
DLFPS-236/3552	5.6	7.2	7.0	5.4	5.0	6.1	5.9	6.0	4.6	5.4	5.3	6.0	6.7	6.7	6.8	5.3	6.2	4.0
DLFPS-236/3553	5.5	6.1	7.0	5.5	5.0	5.6	4.8	6.0	5.4	5.0	5.0	6.4	6.6	6.1	6.6	5.8	6.1	4.3
DLFPS-236/3554	5.2	7.3	7.6	7.9	5.0	6.3	5.7	6.0	6.2	5.5	5.2	6.2	6.4	6.2	6.9	5.0	6.3	4.9
DLFPS-236/3556	5.6	6.4	6.5	8.0	4.9	6.4	5.6	6.0	6.0	4.8	5.1	5.6	6.7	6.4	6.2	5.4	6.6	5.5
DLFPS-238/3014	4.9	5.8	7.0	7.7	5.3	4.9	4.4	4.5	3.3	5.4	4.2	3.2	6.3	6.0	5.3	5.2	5.8	4.4
EVOLVE	5.3	6.3	5.9	5.3	4.9	5.9	5.3	6.0	4.4	4.3	4.9	4.5	6.0	5.8	5.8	5.0	6.5	4.4

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TABLE 3. (CONT'D)   TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
                                      GROWN AT EIGHTEEN LOCATIONS IN THE U.S.
                                                    2019 DATA

                                      TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA7	CT1	IA1	IL1	KS1	KY1	MD1	MI1	MN1	MO1	NE1	NJ2	OR1	OR2	UT1	UT2	VA1	WI1
FASTBALL 3GL (PPG-PR 329)	5.1	6.5	7.0	7.8	5.3	6.1	6.0	5.7	5.4	5.6	5.3	5.8	6.8	6.6	6.9	5.7	6.1	4.2
FIREBALL (BWH)	5.3	5.8	6.7	8.0	4.9	5.5	4.3	5.0	3.7	4.6	4.7	3.2	6.6	6.2	6.7	6.2	5.2	3.6
FURLONG (LTP-FCB)	5.8	6.7	7.5	5.1	5.4	6.2	4.5	5.7	5.7	5.5	5.3	7.1	6.9	6.7	7.4	5.9	6.6	4.0
GO-141	5.1	6.3	6.0	5.8	4.6	5.4	4.0	5.3	4.9	2.9	4.7	3.8	6.0	5.7	6.4	5.6	6.4	3.9
GRAND SLAM GLD	5.9	6.9	7.1	1.0	4.9	5.7	5.7	5.0	5.1	4.4	5.0	5.4	6.4	6.3	6.6	6.0	6.5	3.4
GRAY HAWK (PST-2FIND)	5.4	6.1	6.8	5.3	5.1	6.0	4.7	5.3	5.2	3.9	5.1	4.9	6.4	6.3	6.4	5.5	6.0	3.9
GRAY WOLF (PST-2GAL)	5.5	6.7	6.9	7.9	5.1	6.1	5.1	5.7	4.4	5.1	5.1	5.8	6.6	6.3	6.9	6.0	6.7	3.3
GREEN SUPREME+ (AMP-R1)	5.4	6.0	6.3	5.5	5.2	5.9	4.5	5.3	4.4	4.7	4.0	3.6	6.2	5.9	6.5	5.9	5.4	2.9
HATRICK (BSP-17)	4.9	5.9	7.1	5.8	5.0	5.6	5.3	5.0	4.1	4.8	4.3	3.9	6.4	6.1	6.6	6.2	5.3	3.9
HOMERUN LS (PPG-PR 419)	4.9	7.4	6.9	7.6	5.0	6.0	5.1	5.7	5.4	4.8	5.3	5.2	6.8	6.4	6.8	6.0	6.9	4.3
INTENSE	5.3	6.5	6.7	7.9	4.7	5.3	5.5	6.0	4.4	3.5	5.0	5.8	6.6	6.4	6.6	5.6	6.9	4.5
JR-123	5.6	6.6	6.0	5.4	5.5	5.4	5.6	5.7	5.0	5.0	4.8	4.8	6.5	6.2	6.7	5.7	5.8	2.9
JR-197	5.8	7.1	7.5	5.6	5.3	6.0	4.6	6.5	5.7	4.5	5.3	6.8	7.1	6.7	6.1	5.6	6.6	4.7
JR-747	4.1	5.9	5.2	7.7	4.4	4.7	2.9	5.3	4.1	2.9	5.0	4.3	6.4	6.3	6.6	5.1	5.8	2.7
JR-888	4.7	5.7	6.0	3.3	4.5	5.2	3.3	5.3	5.4	4.3	4.9	4.1	6.2	6.0	5.9	5.2	5.2	3.8
KARMA	5.2	6.4	6.1	7.9	.	5.8	4.5	6.0	5.2	3.9	5.1	5.0	6.5	6.3	6.1	5.4	5.8	4.4
LINN	3.9	3.7	4.6	2.0	3.6	2.6	1.0	2.7	1.0	2.7	3.1	1.0	5.3	5.2	2.9	4.1	3.2	2.6
LPB-SD-101	4.0	6.3	5.9	7.9	4.6	4.6	3.3	5.3	5.8	2.6	4.8	3.9	6.4	6.4	6.1	4.7	5.4	3.6
LPB-SD-102	4.2	6.4	6.5	7.4	4.3	4.9	3.6	6.0	4.9	2.2	4.7	4.6	6.8	6.4	6.5	5.3	4.7	3.2
LPB-SD-103	4.5	5.9	6.2	8.1	4.6	5.1	3.2	5.3	5.2	2.0	4.9	4.4	6.4	6.2	6.3	5.3	5.2	4.2
LPB-SD-104	4.2	5.9	6.2	5.4	4.6	4.9	2.8	5.7	3.7	1.7	4.9	4.7	6.1	6.0	6.4	4.0	4.7	3.0
LPB-SD-105	4.4	5.5	6.5	5.2	4.0	4.8	2.4	7.0	4.7	3.4	4.9	3.8	6.4	6.0	6.3	4.4	4.5	3.4
MAN O WAR	5.4	6.6	7.4	1.0	4.7	5.7	4.5	5.7	4.9	3.2	4.7	5.1	6.7	6.3	6.3	5.5	5.8	4.1
MENSA	4.7	6.2	6.3	8.0	4.6	4.9	3.4	5.7	4.8	3.2	4.7	4.8	6.2	6.2	6.3	4.9	4.5	3.8
MRSL-PR15	5.3	5.9	6.4	5.7	5.0	5.7	4.7	5.0	4.0	3.8	4.9	4.4	6.2	6.2	6.9	5.6	5.9	3.9
MRSL-PR16	6.1	5.5	7.0	5.4	5.0	6.1	4.8	5.7	4.7	4.7	4.6	4.5	6.4	6.0	6.4	5.8	6.4	4.1
NEXUS GT (SNX)	5.2	5.5	6.6	5.5	5.2	5.9	4.7	5.3	4.0	4.8	4.6	3.5	6.3	6.1	6.6	6.2	6.1	3.4
NP-2	6.1	6.3	7.2	8.0	5.0	6.2	5.1	5.7	5.7	4.8	5.1	6.1	6.7	6.4	6.8	5.8	5.8	4.4
NP-3	5.7	7.2	7.0	8.3	5.0	6.1	4.9	5.7	5.9	5.6	4.8	5.9	6.8	6.4	6.6	5.6	5.7	4.9
OVERDRIVE 5G	5.6	6.8	7.1	8.1	4.7	5.6	4.5	6.0	5.7	3.8	5.2	6.1	6.9	6.6	6.5	5.8	6.5	4.7
PARADOX GLR (PPG-PR 331)	5.6	6.7	6.7	7.9	5.0	6.4	4.3	6.0	6.2	4.6	5.1	4.7	6.6	6.3	6.7	5.9	5.7	4.1
PARAGON ZGLR (FP2)	5.8	6.2	7.1	5.3	4.6	5.7	4.3	5.3	5.8	5.1	5.0	5.4	6.7	6.5	6.7	6.3	5.9	3.9
PEPPER II (RAD-PR 103)	5.4	6.0	7.0	5.5	5.1	5.4	4.1	5.3	3.6	5.1	4.5	3.7	6.6	6.3	6.4	6.0	5.9	3.6
PHARAOH	5.0	7.4	7.2	5.5	4.8	5.7	4.9	6.3	4.6	4.5	5.1	5.2	6.7	6.4	6.6	5.5	6.3	4.1
PL2	5.6	6.9	7.2	8.1	4.8	6.3	6.0	6.0	6.3	5.6	5.1	6.3	6.4	6.3	6.7	5.3	6.3	4.9
PPG-PR 360	4.9	6.9	7.1	5.2	5.2	5.9	5.8	6.0	5.2	4.8	5.1	6.0	6.6	6.4	6.9	5.8	6.2	4.6
PPG-PR 367	6.1	6.7	6.6	7.7	4.8	5.5	5.7	5.7	6.1	4.6	5.2	5.5	7.3	6.8	6.4	5.9	6.8	4.6
PPG-PR 370	5.1	7.1	7.1	5.5	5.0	6.3	5.4	5.7	5.2	5.1	5.2	5.8	6.7	6.3	7.0	5.9	6.2	4.3
PPG-PR 371	5.2	6.9	7.2	7.4	5.3	5.9	5.6	6.0	4.4	6.1	5.1	5.8	6.7	6.6	6.9	6.1	6.8	3.9
PPG-PR 372	5.4	6.7	7.1	7.6	4.5	6.2	5.3	5.3	6.3	4.9	5.2	6.2	7.0	6.5	7.0	5.6	6.7	3.7
PPG-PR 385	5.5	6.4	7.1	5.3	5.3	5.9	4.4	5.3	4.8	5.1	5.0	5.3	6.2	6.1	6.2	5.6	6.9	4.1
PPG-PR 420	5.1	7.1	7.3	5.4	5.3	6.2	5.2	6.0	5.4	5.8	5.3	5.8	6.7	6.4	6.7	6.1	7.1	3.9
PPG-PR 421	5.8	7.2	7.4	7.5	5.7	6.4	5.7	6.0	5.2	5.4	5.4	6.6	6.6	6.5	7.2	5.6	6.7	4.7
PPG-PR 422	5.5	7.0	7.3	7.6	4.9	6.0	5.2	5.7	5.8	5.1	5.2	5.7	6.9	6.8	6.5	6.0	6.9	4.3
PPG-PR 423	5.3	7.1	7.2	7.9	4.9	6.3	5.2	5.3	5.9	4.9	5.3	6.3	6.6	6.4	6.8	5.9	6.9	5.1

TABLE 3. (CONT'D)   TURFGRASS QUALITY RATINGS OF PERENNIAL RYEGRASS CULTIVARS
                                              GROWN AT EIGHTEEN LOCATIONS IN THE U.S.
                                                         2019 DATA

                                        TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	CA7	CT1	IA1	IL1	KS1	KY1	MD1	MI1	MN1	MO1	NE1	NJ2	OR1	OR2	UT1	UT2	VA1	WI1
PPG-PR 424	5.5	7.4	7.4	5.5	4.8	6.0	5.1	6.0	6.0	4.3	5.1	5.9	6.9	6.6	7.0	6.3	6.8	5.1
PR-5-16	5.8	6.5	7.2	5.9	5.0	5.9	4.8	6.0	5.8	5.1	5.3	5.6	6.5	6.1	6.4	5.7	6.7	4.5
PR-6-15	5.3	6.7	7.6	7.8	5.0	5.9	5.1	6.0	6.0	4.3	5.3	6.1	6.7	6.5	6.9	5.6	6.7	4.3
PST-2A2	5.2	6.8	6.8	7.8	5.0	5.9	4.7	5.7	5.4	2.9	4.9	5.7	6.8	6.5	6.9	6.0	6.0	5.0
PST-2BDT	5.8	7.1	6.7	5.6	4.9	5.9	4.6	6.0	4.9	4.9	5.1	5.0	6.5	6.2	6.2	5.9	6.0	4.3
PST-2EGAD	5.4	6.4	6.8	5.5	4.6	6.1	5.5	5.3	4.8	4.2	5.4	4.5	6.4	6.2	6.3	5.4	5.9	3.8
PST-2FOXY	6.2	7.1	7.0	5.6	5.1	6.0	5.6	5.7	5.3	5.0	5.1	4.8	6.8	6.5	6.8	5.6	6.3	4.2
PST-2GTD	5.8	6.9	7.3	3.4	5.1	6.3	5.3	5.7	4.9	4.7	5.3	5.2	6.5	6.3	6.2	5.8	6.8	4.9
PST-2MAY	5.4	6.6	7.1	5.4	.	6.2	5.3	5.3	4.8	4.9	4.9	5.0	6.4	6.3	6.8	5.7	6.0	3.7
PST-2PDA	5.5	6.1	7.0	7.7	5.4	5.8	4.2	5.3	4.6	3.3	5.0	5.1	6.1	5.8	6.0	5.8	5.9	4.2
RAD-PR 112	4.8	5.6	7.3	7.6	5.0	5.6	4.5	5.3	3.9	3.8	4.3	4.1	6.7	6.4	6.8	6.5	5.4	3.2
SAGUARO	4.9	5.9	5.8	7.6	4.5	5.2	3.7	5.7	5.6	3.8	4.9	4.3	6.2	6.1	6.6	5.4	5.1	4.7
SAVANT	3.9	6.0	6.0	7.5	4.5	5.2	2.8	6.3	4.1	3.4	4.8	4.3	6.2	6.0	6.2	5.6	4.4	4.6
SEABISCUIT	5.6	6.7	7.3	3.5	5.2	5.9	5.3	5.3	4.8	5.3	5.0	5.3	6.6	6.3	6.2	5.6	6.2	3.9
SHIELD (02BS4)	5.7	6.9	7.1	8.0	5.0	6.1	6.0	5.7	5.1	5.3	5.0	5.7	6.6	6.2	6.2	6.0	5.9	4.2
SIGNET	5.5	6.8	6.9	5.0	5.4	5.9	4.8	6.0	4.9	4.4	5.0	5.8	6.1	6.0	6.5	5.8	6.2	4.1
SILVER SPORT (PST-2CRP)	5.1	6.1	7.3	5.7	5.3	6.1	4.9	6.5	5.7	4.7	5.3	5.9	6.6	6.3	6.9	6.0	6.1	4.6
SLIDER LS (PPG-PR 241)	5.5	6.8	6.9	3.2	4.9	6.4	5.1	5.7	5.4	4.9	5.3	5.0	6.4	6.5	6.1	5.4	6.2	4.3
SLUGGER 3GL (PPG-PR 343)	5.6	7.1	7.2	7.7	5.5	6.3	5.4	5.7	5.7	4.8	4.9	6.8	6.8	6.5	7.1	5.9	6.9	3.4
SPIKE GLS (UF3)	5.1	6.6	6.7	5.6	4.9	5.9	5.3	5.5	5.9	5.3	5.0	5.9	6.9	6.4	6.6	6.0	6.4	3.8
SR 4650	5.4	6.4	6.7	8.0	5.0	6.1	3.9	5.7	5.8	3.5	5.1	5.2	6.4	6.2	6.6	5.7	5.7	3.8
TEE-ME-UP (BSP-25)	4.9	5.7	6.8	7.9	5.0	5.7	4.8	5.0	3.4	4.1	4.4	4.2	6.4	6.4	6.5	5.9	5.7	3.9
UMPQUA	4.6	6.7	7.7	5.5	4.7	5.9	5.2	5.7	6.1	3.8	5.0	5.9	6.7	6.3	6.3	5.5	6.6	3.9
XCELERATOR	4.8	6.7	7.1	8.1	4.7	6.0	5.2	5.7	5.6	4.9	4.8	6.0	6.8	6.4	6.7	5.4	7.3	4.4
LSD VALUE	1.2	0.8	0.8	4.4	0.8	0.5	1.0	0.9	1.5	1.5	0.4	0.9	0.5	0.5	0.6	0.7	1.2	1.2
C.C. (%)	14.1	7.5	7.1	43.9	10.4	5.2	12.5	9.7	18.2	21.2	5.5	11.1	4.9	4.6	5.6	7.9	11.9	18.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD O.05).
2/ C.V. (COEFFICIENT OF VARIATION) INDICATES

2018 NATIONAL TALL FESCUE TEST

LOCATIONS SUBMITTING DATA FOR 2016

State	Location	Code
California	Fresno	CA7
Connecticut	Storrs	CT1
Delaware	Newark	DE1
Georgia	Griffin	GA1
Iowa	Ames	IA1
Indiana	West Lafayette	IN1
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
Mississippi	Mississippi State	MS1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New Jersey	Adelphia	NJ2
North Carolina	Raleigh	NC1
Oklahoma	Stillwater	OK1
Oregon	Corvallis	OR1
Pennsylvania	Kennett Square	PA2
Tennessee	Knoxville	TN1
Utah	Logan	UT1
Utah	Logan (Drought)	UT2
Virginia	Blacksburg	VA1

LOCATIONS SUBMITTING DATA FOR 2019

State	Location	Code
Arkansas	Fayetteville	AR1
Connecticut	Storrs	CT1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Nebraska	Mead	NE1
New Jersey	N. Brunswick	NJ1
New Jersey	Adelphia	NJ2
North Carolina	Raleigh	NC1
North Dakota	Fargo	ND1
Oklahoma	Stillwater	OK1
Tennessee	Knoxville	TN1
Utah	Logan	UT1
Virginia	Blacksburg	VA1

2016 NATIONAL PERENNIAL RYEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2018

State	Location	Code
California	Fresno	CA7
Connecticut	Storrs	CT1
Illinois	Urbana	IL1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Maryland	College Park	MD1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Missouri	Columbia	MO1
Nebraska	Mead	NE1
New Jersey	Adelphia	NJ2
Oregon	Corvallis	OR1
Oregon	Corvallis (Traffic)	OR2
Utah	Logan	UT1
Utah	Logan (Drought)	UT2
Virginia	Blacksburg	VA1
Wisconsin	Madison (Traffic)	WI1