

TABLE 1.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT AUBURN, AL 1/  
2021 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	PERCENT ESTABLISHMENT			QUALITY RATINGS							MEAN	
			MARCH	APRIL	MAY	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC
OAKLEY (PPG-AP-MTV1)	5.7	5.3	63.3	76.7	96.0	6.3	6.3	6.3	6.0	8.0	7.3	8.0	7.3	7.0
PST-OHR	7.3	7.0	53.3	70.0	89.7	6.0	6.0	7.3	7.0	8.0	6.7	7.7	7.7	7.0
PVF-FV-2	7.0	6.0	46.7	66.7	93.0	6.0	7.0	6.7	7.3	7.0	6.0	6.3	6.7	6.6
PSU-CBG1	7.3	5.3	53.3	66.3	86.3	5.0	6.0	6.7	6.0	8.0	5.7	6.0	7.7	6.4
PSU-CBG2	7.3	7.0	40.0	56.7	92.7	4.7	5.0	6.0	6.7	7.7	7.0	7.0	6.0	6.3
PSU-CBG3	7.0	7.3	43.3	56.7	86.3	5.3	5.3	6.0	6.7	8.3	5.7	5.7	6.3	6.2
S1	5.7	5.0	56.7	63.3	89.7	5.7	4.7	5.7	5.7	7.0	6.0	7.0	7.7	6.2
LNS 19	6.0	7.0	60.0	80.0	99.0	5.3	5.3	5.3	6.0	7.3	6.0	6.3	6.0	6.0
DLFPS-AP-3084	6.0	6.0	50.0	60.0	83.3	5.0	5.0	5.7	5.7	6.7	6.0	6.3	7.0	5.9
PIPER (PPG-AP-MTV2)	4.7	5.7	43.3	53.3	83.3	5.7	5.0	5.3	5.0	6.3	6.3	7.0	6.0	5.8
PVF-FV-1	6.3	4.0	56.7	76.7	93.0	6.3	6.0	5.3	4.7	6.3	5.7	6.0	5.0	5.7
CY-4	3.7	4.7	50.0	63.3	83.3	4.3	4.7	6.0	4.7	6.3	6.0	6.3	6.3	5.6
007XL	5.7	5.0	53.3	70.0	93.0	5.3	5.7	5.3	6.0	6.3	5.0	5.0	5.7	5.5
L-93 XD	6.3	6.7	56.7	66.7	90.0	3.3	4.7	6.0	5.0	5.7	5.7	5.3	7.0	5.3
PIRANHA	7.0	3.7	60.0	80.0	99.0	4.7	5.3	4.3	4.0	5.0	5.7	6.0	5.0	5.0
BARRACUDA	4.7	5.3	56.7	66.3	86.3	3.7	3.7	3.7	4.3	4.7	6.3	6.7	5.7	4.8
PST-ODSF	8.3	6.0	46.7	56.7	86.3	4.3	3.7	4.3	4.7	4.7	4.3	4.3	3.0	4.2
PENN A-1	7.3	3.3	56.7	66.7	93.0	3.7	4.0	4.0	4.0	5.0	4.3	3.7	3.7	4.0
DECLARATION	5.3	3.7	66.7	80.0	99.0	3.0	3.7	3.7	3.7	4.3	4.3	4.0	4.3	3.9
PENNCROSS	2.0	1.0	53.3	66.7	90.0	2.0	2.3	3.0	2.3	2.7	2.7	2.7	2.0	2.5
LSD VALUE	0.9	1.5	31.4	37.2	12.0	1.5	1.5	1.9	1.1	1.6	1.7	0.8	1.3	0.8
C.V. (%)	9.9	17.8	21.0	19.8	6.5	18.8	17.6	19.7	13.4	15.7	17.1	8.9	14.9	9.8

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

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

TABLE 2.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT OLYMPIA (OLYMPIA FIELDS CC) , IL 1/  
2021 DATA

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

NAME	SPRINT DENSITY	% POA ANNUA		QUALITY RATINGS							MEAN
		APRIL	JUNE	MAY	JUN	JUL	AUG	SEP	NOV		
LNS 19	8.0	2.3	2.7	8.7	8.7	7.7	7.3	8.3	7.3	8.0	
PVF-PV-2	7.3	2.7	2.7	7.7	8.7	7.7	7.7	7.7	7.3	7.8	
PST-0HR	6.3	8.7	9.0	7.3	8.3	7.3	7.7	8.3	7.3	7.7	
PIPER (PPG-AP-MTV2)	6.3	2.7	2.7	7.7	8.3	7.3	7.0	8.0	7.3	7.6	
PVF-PV-1	7.0	4.3	3.7	7.7	8.0	7.0	7.0	8.0	6.3	7.3	
PSU-CBG2	5.7	8.0	10.3	5.0	8.0	7.0	7.3	8.3	7.3	7.2	
S1	7.7	3.3	5.3	7.3	7.7	6.7	7.3	7.0	7.3	7.2	
DLFPS-AP-3084	7.0	7.0	7.0	8.0	8.0	7.0	7.3	6.7	5.7	7.1	
PIRANHA	7.0	2.7	3.0	7.7	7.7	7.7	6.0	7.3	6.0	7.1	
CY-4	6.7	4.7	8.3	7.3	7.3	6.7	6.0	7.0	7.0	6.9	
007XL	6.0	6.3	6.0	7.0	7.3	6.7	5.7	8.0	6.3	6.8	
OAKLEY (PPG-AP-MTV1)	6.7	4.3	3.7	6.7	7.7	6.7	5.0	8.0	6.7	6.8	
BARRACUDA	7.0	5.0	7.0	7.0	7.0	6.0	6.3	6.7	7.3	6.7	
L-93 XD	6.0	4.7	3.7	7.0	7.3	7.0	6.7	6.7	5.7	6.7	
PSU-CBG1	4.0	10.0	14.3	6.0	6.0	6.3	5.7	7.7	7.3	6.5	
PSU-CBG3	3.0	7.0	14.3	4.3	5.7	6.0	6.3	7.7	7.3	6.2	
PST-0DSF	5.0	4.0	6.3	7.0	7.0	5.7	5.3	6.0	4.7	5.9	
DECLARATION	7.3	3.7	11.0	7.0	6.0	5.7	5.7	5.7	4.3	5.7	
PENN A-1	6.0	3.3	8.7	6.0	5.0	6.0	5.3	5.3	4.7	5.4	
PENNCROSS	8.0	4.0	9.3	6.3	3.7	4.7	4.7	4.3	4.3	4.7	
LSD VALUE	2.4	26.6	28.8	2.2	1.5	1.6	3.2	1.0	1.5	0.8	
C.V. (%)	20.2	137.7	118.8	16.2	13.2	12.5	20.3	9.0	14.2	7.1	

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

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

TABLE 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT WEST LAFAYETTE (HIGH FUNG.), IN 1/  
2021 DATA

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

NAME	QUALITY RATINGS											MEAN
	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	PINK SNOW MOLD	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PST-OHR	6.3	8.0	8.7	8.7	6.3	7.3	8.0	7.7	8.3	8.0	6.7	7.5
PSU-CBG2	6.0	7.3	8.7	9.0	6.3	7.0	7.7	8.0	8.3	7.7	6.7	7.4
007XL	7.7	7.0	7.3	8.0	6.7	7.3	8.0	7.3	8.0	7.7	6.3	7.3
OAKLEY (PPG-AP-MTV1)	8.0	6.3	7.0	8.3	6.3	7.3	8.3	8.0	7.3	7.7	6.3	7.3
PIPER (PPG-AP-MTV2)	8.0	7.0	8.3	8.3	6.7	6.7	7.7	8.0	8.3	7.7	6.3	7.3
PVF-PV-1	8.3	6.7	7.7	7.0	6.3	7.3	7.7	8.0	8.0	7.3	6.3	7.3
LNS 19	7.3	6.7	8.0	8.0	7.0	7.0	7.0	8.0	7.3	7.3	6.3	7.1
PST-ODSF	7.0	8.0	8.0	8.7	5.7	7.0	7.3	7.7	8.0	8.0	6.0	7.1
PVF-PV-2	7.3	6.7	7.3	8.3	6.3	7.0	7.7	7.7	8.0	7.0	6.3	7.1
DLFPS-AP-3084	8.7	6.3	6.7	8.3	6.3	7.0	7.3	7.7	7.3	7.3	5.7	7.0
PSU-CBG3	5.7	7.7	8.3	9.0	4.7	6.3	7.3	7.7	8.3	8.0	6.3	7.0
PIRANHA	6.7	6.3	7.0	8.7	6.3	6.7	6.7	7.7	7.7	7.3	5.7	6.9
PSU-CBG1	5.0	7.7	8.0	8.7	4.3	6.3	7.0	7.0	8.0	7.7	7.0	6.8
S1	8.0	6.0	6.7	8.0	6.3	5.7	6.7	7.3	7.0	7.0	5.7	6.5
L-93 XD	8.3	5.7	6.0	8.7	5.7	6.3	6.7	6.7	6.7	6.7	6.0	6.4
BARRACUDA	8.0	5.7	6.0	9.0	6.3	6.0	6.7	6.7	6.3	6.7	5.7	6.3
CY-4	6.7	5.7	6.3	8.0	6.0	6.0	6.3	6.7	5.7	5.7	6.0	6.0
PENN A-1	7.0	4.7	5.3	8.0	5.3	5.3	5.3	6.0	6.0	6.3	5.3	5.7
DECLARATION	7.7	4.7	5.0	7.0	5.3	5.7	5.7	6.3	5.0	5.7	4.3	5.4
PENNCROSS	6.3	3.3	3.0	9.0	4.3	4.3	4.0	4.0	3.3	4.3	3.7	4.0
LSD VALUE	1.0	0.8	0.9	2.5	1.5	0.7	1.0	1.2	0.9	1.0	0.9	0.5
C.V. (%)	9.0	8.6	8.5	11.0	13.3	7.3	9.1	9.8	8.2	8.6	9.7	4.8

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 4.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT WEST LAFAYETTE (LOW FUNG.), IN 1/  
2021 DATA

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

NAME	SPRING GREENUP	SUMMER DENSITY	MICRODOCHIUM		BROWN PATCH		QUALITY RATINGS							MEAN
			PATCH	DOLLAR SPOT	WEAR	TOL	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
LNS 19	7.7	8.0	8.3	8.3	9.0	7.3	7.7	8.0	7.7	6.7	6.7	7.0	7.3	
DLFPS-AP-3084	7.3	6.7	8.3	8.3	8.0	6.3	7.3	7.0	8.0	7.3	6.7	7.0	7.1	
PIPER (PPG-AP-MTV2)	7.7	8.3	9.0	8.0	9.0	6.3	7.3	7.7	8.0	7.0	7.3	6.0	7.1	
007XL	7.3	7.3	9.0	8.7	8.3	7.3	7.7	7.7	7.7	6.3	6.0	6.3	7.0	
OAKLEY (PPG-AP-MTV1)	8.0	7.0	8.7	8.3	7.7	6.7	7.3	7.7	8.0	6.7	5.7	6.3	6.9	
PVF-PV-1	7.3	7.7	8.3	8.0	9.0	6.3	7.3	7.0	8.0	6.0	7.0	6.7	6.9	
PST-ODSF	8.0	8.0	9.0	8.0	8.3	7.0	7.0	7.7	8.0	6.7	5.7	5.7	6.8	
PST-0HR	6.3	8.7	8.3	7.0	9.0	7.0	7.7	8.3	8.3	5.0	4.7	5.0	6.6	
PVF-PV-2	6.7	7.3	9.0	8.3	8.3	6.0	6.7	7.0	7.3	6.3	6.0	6.0	6.5	
PSU-CBG2	6.3	8.7	8.7	8.0	9.0	5.3	7.0	8.0	8.0	5.7	5.7	5.3	6.4	
PIRANHA	7.0	7.0	9.0	7.0	9.0	6.7	6.7	6.3	7.3	5.3	5.7	6.0	6.3	
CY-4	7.0	6.3	8.0	8.0	9.0	6.0	6.3	5.7	7.0	6.0	5.7	6.0	6.1	
L-93 XD	8.0	6.0	9.0	8.3	9.0	5.7	6.3	6.3	7.0	6.3	5.7	5.3	6.1	
BARRACUDA	7.7	6.0	8.3	8.3	7.7	6.3	6.0	6.3	6.3	5.7	5.7	5.3	6.0	
PSU-CBG1	6.0	8.0	8.7	7.7	9.0	4.7	6.7	6.0	7.7	6.3	5.7	4.7	6.0	
S1	7.3	6.7	8.0	8.0	8.0	5.7	6.0	6.3	6.7	5.3	6.3	5.7	6.0	
PENN A-1	7.3	5.3	9.0	8.3	9.0	6.0	6.3	5.0	6.3	5.3	5.7	5.3	5.7	
DECLARATION	8.0	5.0	7.7	7.7	9.0	5.3	6.0	5.3	6.3	5.3	5.7	5.3	5.6	
PSU-CBG3	5.0	8.3	9.0	7.0	9.0	4.7	5.7	7.3	7.3	5.3	4.7	4.0	5.6	
PENNCROSS	6.3	3.0	8.7	8.0	9.0	4.3	4.7	3.7	4.3	3.7	4.3	4.3	4.2	
LSD VALUE	1.9	0.9	2.5	1.7	3.2	1.3	1.0	1.4	0.9	2.2	1.4	1.4	0.6	
C.V. (%)	12.9	8.5	9.2	8.7	11.4	12.2	9.0	12.5	7.5	17.1	12.8	13.7	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 AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT MANHATTAN, KS 1/  
2021 DATA

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

NAME	SPRING GREENUP	SEEDLING VIGOR	SPRING DENSITY	QUALITY RATINGS			MEAN
				APR	MAY	JUN	
BARRACUDA	7.0	6.0	7.3	6.7	7.0	8.0	7.2
OAKLEY (PPG-AP-MTV1)	7.0	6.7	6.7	6.3	6.7	6.7	6.6
PIPER (PPG-AP-MTV2)	6.7	5.7	6.0	6.0	6.0	6.7	6.2
S1	7.0	5.7	6.3	6.0	6.3	6.3	6.2
DECLARATION	7.0	4.7	5.7	5.7	6.0	6.7	6.1
PENN A-1	7.0	5.7	6.0	5.3	6.3	6.7	6.1
PIRANHA	7.0	5.3	6.3	5.7	6.0	6.7	6.1
DLFPS-AP-3084	7.0	6.0	6.0	5.7	6.3	6.0	6.0
LNS 19	7.0	5.3	5.7	5.7	6.0	6.3	6.0
PVF-PV-1	6.7	5.0	5.7	5.7	6.3	5.7	5.9
007XL	7.0	5.0	5.3	5.3	5.3	6.7	5.8
PST-OHR	6.3	4.3	5.3	5.3	5.7	6.0	5.7
PENNCROSS	6.3	6.0	6.0	5.3	5.7	5.7	5.6
CY-4	6.3	6.0	6.3	5.7	5.3	5.3	5.4
PST-ODSF	7.0	5.3	5.3	5.3	5.3	5.3	5.3
L-93 XD	7.0	5.3	5.7	5.3	5.0	5.3	5.2
PVF-PV-2	6.3	5.0	5.3	5.3	5.0	5.3	5.2
PSU-CBG2	6.7	3.3	4.3	4.0	4.3	5.0	4.4
PSU-CBG1	7.0	3.3	4.7	4.0	4.7	4.3	4.3
PSU-CBG3	6.3	3.0	4.3	3.7	4.0	3.7	3.8
LSD VALUE	0.8	1.4	1.8	1.4	2.4	1.5	1.3
C.V. (%)	5.3	15.9	15.1	13.8	18.3	14.5	12.8

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 6.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT AMHERST (TRAFFIC), MA 1/  
2021 DATA

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

NAME	PERCENT ESTABLISHMENT	WEAR TOLERANCE RATINGS			QUALITY RATINGS							MEAN
		MAY	JULY	OCTOBER	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PST-OHR	36.7	6.3	6.3	6.0	6.7	6.3	6.7	7.7	7.0	6.7	6.7	6.8
PIPER (PPG-AP-MTV2)	56.7	5.0	5.0	5.3	5.7	6.3	6.7	6.3	6.0	6.0	6.0	6.1
PSU-CBG1	15.0	6.3	5.7	6.0	5.7	6.3	5.7	6.7	6.3	6.0	6.0	6.1
LNS 19	53.3	5.3	5.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
OAKLEY (PPG-AP-MTV1)	40.0	5.3	5.7	5.7	5.7	5.7	5.7	6.3	6.3	6.0	6.0	6.0
PSU-CBG3	20.0	5.7	5.3	5.3	5.7	5.3	6.3	6.3	6.0	6.0	5.3	5.9
007XL	56.7	5.7	5.3	6.0	5.7	5.7	5.7	5.7	6.0	5.7	6.0	5.8
PSU-CBG2	23.3	6.3	6.3	6.0	6.0	5.7	5.0	6.3	6.0	6.0	5.3	5.8
PVF-PV-1	40.0	4.7	5.7	5.0	6.7	5.7	5.7	5.7	6.0	5.3	5.7	5.8
PVF-PV-2	40.0	5.0	5.0	5.7	6.0	6.0	6.0	5.7	6.0	5.3	5.7	5.8
CY-4	53.3	5.0	4.7	4.3	5.3	5.7	5.7	6.0	6.0	5.7	5.7	5.7
PIRANHA	53.3	4.7	4.3	4.3	6.3	6.3	5.7	5.7	5.3	4.7	5.3	5.6
DLFPS-AP-3084	53.3	5.3	5.3	5.0	5.3	5.3	5.0	5.7	6.0	5.7	5.3	5.5
PENN A-1	53.3	4.0	4.0	4.7	7.0	6.0	5.3	5.0	5.7	5.0	4.3	5.5
L-93 XD	56.7	5.3	5.0	5.0	4.3	5.0	5.3	6.0	6.0	5.7	4.3	5.2
S1	43.3	4.7	4.3	5.0	5.7	5.0	6.0	4.7	5.3	5.0	4.3	5.1
BARRACUDA	60.0	4.7	4.7	5.0	5.7	5.3	5.3	5.3	5.0	4.7	4.0	5.0
PST-ODSF	43.3	4.7	4.7	4.3	5.0	5.3	5.0	5.0	4.3	4.3	4.0	4.7
DECLARATION	53.3	3.7	3.7	4.0	4.7	5.0	5.0	4.7	4.3	4.7	4.0	4.6
PENNCROSS	53.3	3.0	3.0	3.3	5.7	4.7	4.0	4.3	3.3	3.3	3.7	4.1
LSD VALUE	8.1	0.8	0.8	0.8	0.8	0.7	0.7	0.7	1.0	0.7	0.7	0.5
C.V. (%)	11.8	9.9	9.8	10.2	8.4	7.5	7.7	8.0	11.1	8.4	8.3	5.7

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

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

TABLE 7.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT ST. PAUL, MN 1/  
2021 DATA

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

NAME	GENETIC COLOR	DENSITY		BROWN PATCH		JUN	JUL	QUALITY RATINGS			MEAN
		SUMMER	FALL	WARM TEMP	COLD TEMP			AUG	SEP	OCT	
007XL	4.7	8.0	8.7	9.0	8.0	5.3	7.7	8.7	8.7	8.0	7.7
DLFPS-AP-3084	5.7	8.0	7.3	8.3	9.0	5.3	7.7	8.0	8.0	8.0	7.4
PST-OHR	7.0	9.0	9.0	8.3	8.0	5.0	7.3	7.7	8.7	8.3	7.4
PVF-PV-2	5.7	8.7	7.7	9.0	8.7	6.0	7.7	7.7	8.0	7.7	7.4
CY-4	3.0	7.7	8.0	9.0	9.0	5.7	7.3	7.7	7.7	8.0	7.3
LNS 19	5.7	8.3	9.0	9.0	7.7	5.0	7.7	8.0	8.0	7.7	7.3
OAKLEY (PPG-AP-MTV1)	5.0	8.7	8.0	8.0	8.0	5.0	7.0	8.0	8.7	7.7	7.3
PST-ODSF	9.0	8.0	7.3	9.0	9.0	5.7	8.0	8.0	7.7	7.3	7.3
PIPER (PPG-AP-MTV2)	5.0	8.7	8.3	9.0	7.7	5.0	6.7	7.7	8.3	8.3	7.2
PVF-PV-1	5.7	8.3	8.0	9.0	8.7	5.0	7.7	7.7	7.7	8.0	7.2
L-93 XD	5.7	7.7	7.0	8.3	8.7	5.0	7.7	7.7	7.7	7.3	7.1
PIRANHA	7.0	8.0	7.0	9.0	8.3	5.3	7.3	7.7	7.7	7.0	7.0
PENN A-1	7.3	7.3	6.0	9.0	9.0	5.7	7.3	7.3	7.0	6.3	6.7
BARRACUDA	6.0	7.7	6.3	9.0	9.0	4.7	7.0	7.3	7.0	6.7	6.5
S1	6.0	8.0	7.3	9.0	7.7	4.7	6.7	7.3	7.3	6.3	6.5
PSU-CBG2	6.7	8.0	8.7	9.0	8.3	4.3	6.0	7.3	7.3	7.0	6.4
PSU-CBG3	6.3	9.0	8.3	9.0	8.7	3.3	6.0	7.0	7.3	7.3	6.2
DECLARATION	5.7	7.3	5.0	9.0	9.0	5.0	7.0	6.7	5.7	5.7	6.0
PSU-CBG1	6.7	8.7	8.7	9.0	8.7	4.0	5.7	6.7	6.7	7.0	6.0
PENNCROSS	5.0	6.0	4.0	9.0	9.0	5.0	5.7	5.3	5.0	5.0	5.2
LSD VALUE	1.2	1.2	0.9	1.4	1.8	1.2	1.1	1.0	0.9	1.0	0.6
C.V. (%)	12.4	8.3	7.7	5.8	8.4	12.5	8.7	8.0	7.7	8.7	5.5

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 8.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT COLUMBIA, MO 1/  
2021 DATA

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

NAME	%GROUND COVER	DOLLAR	PERCENT	BENTGRASS	COUNT	QUALITY	APR	MAY	QUALITY RATINGS					MEAN
	SPRING	SPOT	ESTABLISHMENT	%DEAD SPOT	DEAD SPOT	NOV 2020			JUN	JUL	AUG	SEP	OCT	
PST-0DSF	85.0	8.7	71.7	4.7	4.0	5.7	5.7	6.0	6.7	6.3	6.7	6.3	7.0	6.4
BARRACUDA	95.0	9.0	85.0	2.0	2.3	6.7	7.0	6.7	6.7	5.7	6.0	6.0	6.0	6.3
OAKLEY (PPG-AP-MTV1)	91.7	9.0	83.3	3.3	2.7	6.3	6.3	6.3	6.3	6.0	6.7	6.3	6.3	6.3
PVF-PV-1	80.0	8.7	70.0	1.7	2.7	5.7	5.7	6.0	6.3	6.3	6.3	6.3	6.3	6.2
DLFPS-AP-3084	83.3	8.7	75.0	11.3	10.0	6.0	5.3	5.7	5.7	6.3	6.3	5.7	6.3	5.9
PIPER (PPG-AP-MTV2)	80.0	9.0	73.3	0.3	0.3	6.3	5.3	5.3	5.3	5.7	6.3	6.3	6.7	5.9
007XL	80.0	8.7	75.0	2.3	3.0	6.3	5.3	5.0	5.7	6.0	6.3	6.3	6.0	5.8
L-93 XD	90.0	8.7	86.7	5.0	3.3	7.3	5.7	5.7	6.0	5.7	5.7	5.3	5.3	5.6
CY-4	81.7	9.0	78.3	5.0	5.3	6.0	5.0	5.3	5.7	5.7	5.7	5.3	5.7	5.5
LNS 19	73.3	8.7	58.3	1.7	2.7	5.3	5.0	5.0	5.3	6.0	5.7	5.7	5.7	5.5
PST-0HR	86.7	7.3	73.3	5.0	3.3	5.7	5.7	5.3	5.3	5.0	5.0	6.0	6.0	5.5
PIRANHA	88.3	8.7	73.3	6.7	6.7	6.3	5.7	5.7	5.3	5.3	5.3	5.0	5.3	5.4
S1	85.0	8.0	76.7	5.7	6.3	5.7	5.7	5.0	5.3	5.0	5.7	5.3	5.3	5.3
PSU-CBG2	68.3	8.0	45.0	0.0	0.0	4.3	5.0	5.0	5.0	5.3	4.7	5.3	5.3	5.1
DECLARATION	85.0	8.3	78.3	3.3	2.7	6.3	6.0	5.7	5.3	4.7	4.7	4.3	4.3	5.0
PSU-CBG1	65.0	8.7	40.0	1.0	1.3	3.3	4.3	4.3	5.0	5.0	5.0	5.0	5.3	4.9
PENN A-1	80.0	8.7	70.0	7.3	7.0	5.7	5.3	5.0	4.7	4.7	4.7	4.3	4.0	4.7
PVF-PV-2	46.7	9.0	41.7	2.7	2.7	3.3	3.7	4.0	3.7	4.7	4.7	4.3	4.7	4.2
PSU-CBG3	51.7	8.3	18.3	0.0	0.0	2.3	4.0	3.7	3.7	4.3	4.7	4.0	4.3	4.1
PENNCROSS	86.7	9.0	78.3	1.3	1.7	6.3	5.7	5.0	4.3	3.3	3.3	3.3	3.3	4.0
LSD VALUE	21.6	1.7	18.8	3.6	4.3	1.8	1.6	1.8	2.3	2.0	1.5	1.5	1.3	1.5
C.V. (%)	15.1	7.5	17.4	61.2	70.3	18.9	15.0	16.5	19.6	17.6	15.1	16.0	13.8	14.2

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

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



TABLE 9.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT RALEIGH, NC 1/  
2021 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS										MEAN	
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
S1	7.7	8.3	5.0	4.3	5.0	6.7	7.7	8.0	8.0	7.7	7.7	8.7	8.0	7.0
PVF-PV-2	8.3	8.0	5.0	4.3	4.7	5.7	8.0	8.0	8.0	8.0	8.0	8.3	8.0	6.9
007XL	8.0	8.0	4.7	4.3	4.3	6.7	7.7	7.3	8.0	8.0	8.0	8.0	8.0	6.8
OAKLEY (PPG-AP-MTV1)	8.3	8.3	4.7	4.3	4.3	6.7	7.7	7.3	7.7	8.0	8.0	8.7	8.0	6.8
PIRANHA	8.3	7.7	4.7	4.0	4.7	5.7	6.7	7.7	8.0	8.0	8.0	8.7	8.0	6.7
PIPER (PPG-AP-MTV2)	8.0	8.7	4.7	4.3	4.7	5.3	6.7	7.0	7.7	7.7	8.0	8.7	8.0	6.6
L-93 XD	7.7	8.7	4.0	3.7	4.3	6.0	7.0	7.3	7.7	7.3	8.0	8.0	8.0	6.5
PST-ODSF	9.0	9.0	4.3	3.7	4.3	4.7	5.7	8.0	8.0	8.0	7.3	8.3	9.0	6.5
PVF-PV-1	8.3	8.3	4.0	4.0	4.3	4.7	6.7	7.7	7.7	8.0	8.0	8.3	8.0	6.5
PST-OHR	9.0	9.0	4.0	3.7	3.7	4.3	5.7	6.7	8.0	8.7	8.3	9.0	8.3	6.4
BARRACUDA	8.0	8.3	4.0	3.7	4.3	5.0	6.0	7.3	7.3	7.7	7.7	8.0	8.0	6.3
LNS 19	8.7	8.7	4.0	3.7	3.7	4.3	6.0	6.3	8.0	8.0	8.0	9.0	8.0	6.3
PENN A-1	8.7	8.3	4.0	3.7	3.7	4.7	6.3	6.7	7.3	7.7	7.3	8.3	8.0	6.2
CY-4	7.7	8.0	4.3	3.7	4.0	4.7	5.3	7.0	7.7	7.3	7.3	8.0	7.7	6.1
DLFPS-AP-3084	8.0	8.0	4.0	3.3	4.0	4.0	5.7	6.0	6.7	8.0	7.7	8.3	8.0	6.0
PSU-CBG2	9.0	8.7	3.7	3.0	3.7	4.3	5.0	5.3	7.3	8.0	8.3	8.7	8.7	6.0
DECLARATION	8.0	7.3	4.0	3.3	4.0	4.0	5.0	6.7	6.7	7.0	7.0	8.0	7.0	5.7
PSU-CBG3	9.0	8.3	3.0	2.7	3.0	4.0	5.0	5.3	6.0	7.7	8.0	9.0	8.3	5.6
PSU-CBG1	9.0	8.7	3.0	2.3	3.0	3.3	4.3	5.7	6.7	6.7	8.3	8.7	9.0	5.5
PENNCROSS	7.3	7.3	4.0	3.7	4.3	4.3	5.0	6.0	6.0	6.3	6.7	5.7	7.0	5.4
LSD VALUE	0.7	1.0	0.8	1.1	1.0	2.0	2.2	1.8	1.1	0.9	0.7	1.0	0.4	0.7
C.V. (%)	5.0	6.2	11.2	15.8	13.1	20.8	18.6	13.5	8.4	6.7	5.3	7.3	3.1	6.7

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

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

TABLE 9.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT RALEIGH, NC 1/  
2021 DATA

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

NAME	DENSITY RATINGS			PERCENT GROUND COVER			ALGAE
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	
S1	8.3	8.0	8.3	99.0	99.0	99.0	9.0
PVF-PV-2	8.0	8.3	8.7	96.3	99.0	99.0	9.0
007XL	9.0	8.3	8.0	97.7	99.0	99.0	9.0
OAKLEY (PPG-AP-MTV1)	8.7	8.0	8.7	97.7	99.0	99.0	9.0
PIRANHA	7.7	8.0	8.3	94.7	99.0	99.0	9.0
PIPER (PPG-AP-MTV2)	8.7	8.3	8.3	94.7	99.0	99.0	9.0
L-93 XD	8.7	8.0	8.0	96.0	99.0	99.0	9.0
PST-0DSF	9.0	8.7	9.0	93.3	99.0	98.3	8.3
PVF-PV-1	8.3	8.0	8.7	95.0	99.0	99.0	9.0
PST-0HR	9.0	9.0	9.0	93.3	99.0	99.0	9.0
BARRACUDA	8.3	8.0	8.0	96.3	99.0	99.0	8.7
LNS 19	9.0	8.3	8.7	88.3	99.0	99.0	9.0
PENN A-1	8.7	8.0	7.7	93.0	99.0	99.0	8.7
CY-4	8.0	7.7	7.7	93.3	99.0	99.0	9.0
DLFPS-AP-3084	8.7	7.7	8.0	91.7	99.0	99.0	9.0
PSU-CBG2	8.3	9.0	9.0	91.7	99.0	99.0	9.0
DECLARATION	7.7	7.0	7.7	91.7	99.0	99.0	9.0
PSU-CBG3	8.7	9.0	9.0	93.0	99.0	99.0	9.0
PSU-CBG1	8.7	9.0	9.0	85.0	98.3	99.0	9.0
PENNCROSS	7.0	6.0	6.0	93.3	99.0	93.7	6.0
LSD VALUE	0.8	0.5	0.6	7.8	0.8	4.3	0.6
C.V. (%)	5.5	4.3	4.9	4.0	0.3	1.7	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 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT NORTH BRUNSWICK, NJ 1/  
2021 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SEEDLING VIGOR	FALL DENSITY	% GROUND COVER	BROWN PATCH FALL WEAR	TOLER. MAR	APR	MAY	QUALITY RATINGS						MEAN
										JUN	JUL	AUG	SEP	OCT		
PST-0HR	8.7	9.0	4.7	8.3	96.3	8.0	6.3	8.0	9.0	9.0	7.0	8.3	8.3	8.3	8.0	
LNS 19	7.3	7.3	6.0	6.7	99.0	8.0	6.3	7.3	7.7	8.7	8.0	7.7	8.7	7.0	7.7	
OAKLEY (PPG-AP-MTV1)	8.0	7.7	6.3	8.3	99.0	9.0	6.7	8.3	8.7	8.3	7.7	7.3	7.3	6.3	7.6	
PIPER (PPG-AP-MTV2)	6.7	7.3	5.0	8.0	99.0	6.7	7.0	7.3	7.7	8.3	7.3	8.3	8.0	7.0	7.6	
PVF-PV-2	8.0	7.3	4.3	7.7	97.7	8.7	7.7	7.3	7.7	8.0	8.0	8.0	7.3	6.0	7.5	
007XL	7.0	7.0	6.3	6.3	99.0	8.3	8.0	7.7	8.7	8.0	7.7	8.0	6.3	5.0	7.4	
PVF-PV-1	8.0	7.3	4.3	6.7	97.7	7.3	7.7	7.0	8.7	8.0	7.3	7.0	6.7	5.7	7.3	
DLFPS-AP-3084	7.0	7.0	4.3	6.7	99.0	7.7	5.7	6.7	7.7	7.3	5.7	6.0	5.7	5.3	6.3	
PIRANHA	6.7	5.3	5.7	5.3	99.0	5.3	7.7	6.3	7.7	6.7	5.0	4.3	5.7	5.3	6.1	
PSU-CBG2	6.0	8.3	2.7	7.7	71.7	7.7	5.0	5.0	6.7	5.7	5.7	5.7	6.7	6.7	5.9	
CY-4	9.0	6.0	5.0	6.7	99.0	7.0	7.7	5.7	5.3	5.3	6.0	6.0	5.7	4.7	5.8	
L-93 XD	5.3	6.3	6.3	6.3	99.0	7.0	7.0	7.0	7.0	6.0	5.3	4.7	4.7	4.0	5.7	
PSU-CBG1	7.0	8.3	1.7	7.0	71.7	9.0	3.3	4.3	6.0	6.0	5.7	6.3	7.0	6.3	5.6	
S1	7.3	5.7	6.3	5.0	99.0	8.0	7.3	5.0	6.7	5.7	5.7	5.3	4.7	4.3	5.6	
PST-0DSF	2.0	5.3	4.7	4.3	97.7	7.0	5.3	4.7	6.3	5.7	4.3	5.0	6.0	4.3	5.2	
BARRACUDA	7.0	5.7	6.0	5.0	99.0	7.7	6.0	4.7	5.3	4.3	4.3	4.3	4.0	5.0	4.8	
PSU-CBG3	5.7	8.0	1.7	6.3	58.3	7.7	3.0	3.7	4.7	5.3	4.3	6.0	6.0	5.7	4.8	
PENN A-1	2.7	3.7	5.0	3.7	99.0	6.0	5.3	4.7	5.3	4.3	3.3	2.7	2.7	3.0	3.9	
DECLARATION	4.0	3.7	6.3	3.3	99.0	7.3	6.3	4.0	4.0	3.7	3.0	2.3	2.3	3.0	3.6	
PENNCROSS	3.0	1.7	5.7	1.3	99.0	8.0	4.3	2.7	1.7	1.7	2.7	1.3	1.3	1.3	2.1	
LSD VALUE	1.6	1.9	1.4	1.5	15.9	6.3	1.6	1.8	1.6	1.0	1.6	1.8	1.2	1.0	0.9	
C.V. (%)	16.4	18.6	17.9	15.9	10.1	25.0	16.2	19.3	15.6	10.8	18.1	20.4	13.9	12.7	9.7	

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

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

TABLE 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT STILLWATER, OK 1/  
2021 DATA

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

NAME	GENETIC COLOR	FALL DENSITY	SEP	QUALITY RATINGS			MEAN
				OCT	NOV	DEC	
PST-0HR	7.7	9.0	8.7	8.0	7.3	6.7	7.7
PSU-CBG3	5.3	8.3	8.7	7.7	7.3	6.3	7.5
PSU-CBG1	4.7	8.0	8.3	7.7	6.7	6.3	7.3
PSU-CBG2	5.7	9.0	8.7	7.7	6.7	5.3	7.1
OAKLEY (PPG-AP-MTV1)	3.7	7.0	7.3	7.0	6.3	6.7	6.8
PST-0DSF	8.7	6.7	8.3	7.7	5.7	5.3	6.8
PVF-PV-2	4.7	7.7	8.0	6.3	6.0	6.3	6.7
PIPER (PPG-AP-MTV2)	3.7	7.3	7.3	6.7	6.3	5.7	6.5
007XL	3.7	7.3	7.0	6.7	6.3	5.3	6.3
CY-4	4.3	6.3	6.7	6.3	6.0	6.3	6.3
PIRANHA	4.7	6.0	6.7	6.0	5.3	7.0	6.3
PVF-PV-1	4.3	8.0	8.3	6.0	6.0	4.7	6.3
DLFPS-AP-3084	3.7	7.3	7.0	6.3	5.7	5.7	6.2
LNS 19	5.0	7.3	6.0	7.0	6.0	5.7	6.2
S1	4.0	6.0	6.7	6.0	5.3	6.0	6.0
L-93 XD	4.7	6.7	7.0	6.0	5.3	4.7	5.8
BARRACUDA	4.7	6.0	6.3	5.3	4.7	6.3	5.7
PENN A-1	6.0	5.7	6.0	5.3	4.7	6.0	5.5
DECLARATION	6.7	4.3	5.7	4.7	4.0	4.3	4.7
PENNCROSS	3.3	2.7	4.0	3.0	2.0	2.7	2.9
LSD VALUE	1.4	1.0	1.2	1.1	1.5	2.1	0.8
C.V. (%)	18.1	9.8	10.3	10.7	16.2	19.2	8.1

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

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

TABLE 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT CORVALLIS, OR 1/  
2021 DATA

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

NAME	GENETIC		LEAF		PERCENT GROUND		QUALITY RATINGS				MEAN
	COLOR	TEXTURE	COVER	SUMMER	PYTHIUM	APR	MAY	JUN	JUL	NOV	
PIRANHA	6.7	6.3	89.0		8.0	5.7	6.7	6.7	6.7	6.7	6.5
PENNCROSS	6.0	3.0	98.3		8.7	4.7	5.0	6.0	7.7	5.7	5.8
PIPER (PPG-AP-MTV2)	7.0	6.0	83.0		7.3	5.0	6.0	6.3	5.3	6.3	5.8
BARRACUDA	6.3	6.0	87.7		7.3	4.7	6.3	6.0	5.7	6.0	5.7
CY-4	6.7	5.7	76.3		7.3	4.7	5.7	6.0	6.0	6.0	5.7
PENN A-1	6.0	5.7	72.7		7.0	4.3	5.7	6.3	6.3	5.7	5.7
PST-OHR	6.7	7.0	88.3		7.7	4.3	6.0	6.0	6.3	5.7	5.7
007XL	5.7	6.0	69.3		7.0	5.3	5.7	5.7	5.3	5.7	5.5
DLFPS-AP-3084	5.7	6.3	74.7		6.7	5.0	5.7	5.3	5.3	5.7	5.4
DECLARATION	5.3	5.0	78.0		7.3	4.7	5.7	6.0	5.3	5.0	5.3
L-93 XD	6.0	6.7	63.0		6.0	4.3	5.3	5.7	4.7	6.0	5.2
OAKLEY (PPG-AP-MTV1)	6.0	6.0	63.3		5.7	4.3	5.7	6.0	4.3	5.0	5.1
LNS 19	6.0	6.3	57.7		5.3	4.7	5.3	5.0	4.0	5.3	4.9
PSU-CBG2	6.7	7.0	61.3		6.3	3.7	5.3	5.7	4.7	5.0	4.9
S1	6.3	5.7	60.0		5.3	5.0	5.7	5.0	4.0	5.0	4.9
PST-ODSF	4.0	6.7	36.7		4.3	4.0	6.0	5.7	2.7	5.0	4.7
PSU-CBG1	6.7	7.0	81.3		7.7	2.7	4.0	5.3	5.0	5.3	4.5
PVF-PV-1	6.0	6.0	72.3		6.3	3.3	4.7	5.7	4.7	4.3	4.5
PSU-CBG3	6.7	6.3	54.7		5.0	2.0	4.0	4.0	4.0	4.0	3.6
PVF-PV-2	5.3	5.7	39.3		4.7	3.0	4.3	4.3	3.0	3.3	3.6
LSD VALUE	1.4	1.1	63.4		5.0	1.3	1.7	2.1	3.2	2.0	1.4
C.V. (%)	11.9	11.0	34.4		28.1	17.5	15.0	15.5	29.7	17.8	14.3

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 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT LOGAN, UT 1/  
2021 DATA

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

NAME	GENETIC	SUMMER	COLOR	PERCENT ESTABLISHMENT		QUALITY RATINGS						MEAN
	COLOR	DENSITY	NOVEMBER	SEPTEMBER	OCTOBER	MAY	JUN	JUL	AUG	SEP	OCT	
OAKLEY (PPG-AP-MTV1)	7.0	7.3	7.0	30.0	66.7	6.7	6.7	6.3	6.3	8.3	6.3	6.8
PVF-PV-1	7.0	8.0	7.0	26.7	63.3	5.0	7.3	6.3	6.0	8.0	7.0	6.6
LNS 19	6.0	8.0	7.7	30.0	56.7	6.0	6.7	6.3	6.0	7.0	7.0	6.5
PST-0HR	7.7	8.3	6.7	20.0	56.7	5.7	6.3	5.7	5.3	7.7	7.0	6.3
PVF-PV-2	6.7	7.7	6.3	20.0	60.0	4.7	6.7	5.7	6.3	7.3	7.0	6.3
DLFPS-AP-3084	6.0	6.7	6.3	26.7	66.7	5.0	6.7	5.7	5.7	7.0	6.3	6.1
L-93 XD	6.7	7.0	5.7	36.7	70.0	5.3	6.3	5.7	5.7	6.7	6.0	5.9
PIPER (PPG-AP-MTV2)	6.7	7.3	6.3	23.3	60.0	4.7	6.0	6.0	5.0	7.0	6.7	5.9
007XL	5.3	6.7	6.3	36.7	53.3	4.0	5.7	5.7	6.0	6.3	6.3	5.7
CY-4	5.0	7.3	8.3	30.0	50.0	4.7	6.7	5.0	4.3	6.3	7.0	5.7
PST-0DSF	8.0	7.7	2.7	26.7	60.0	5.3	6.3	4.7	4.7	7.0	5.3	5.6
PIRANHA	6.7	6.7	5.7	30.0	63.3	5.3	5.7	5.3	4.3	6.3	6.0	5.5
S1	6.0	7.3	6.0	33.3	63.3	5.0	6.0	5.0	5.0	6.0	6.0	5.5
BARRACUDA	6.7	6.3	5.3	26.7	66.7	5.3	5.3	4.7	4.3	5.7	6.0	5.2
DECLARATION	5.7	5.3	5.3	33.3	63.3	4.3	5.3	4.7	4.3	5.3	5.7	4.9
PENN A-1	8.0	6.3	3.0	26.7	53.3	4.7	5.0	4.3	3.7	5.7	4.7	4.7
PSU-CBG2	7.3	7.7	4.3	10.0	36.7	3.7	5.0	4.0	4.3	5.3	5.3	4.6
PSU-CBG1	7.3	8.3	4.7	10.0	33.3	3.0	4.3	3.7	4.3	5.3	5.3	4.3
PENNCROSS	5.7	4.3	4.3	36.7	73.3	5.0	4.3	3.0	3.3	4.0	5.0	4.1
PSU-CBG3	7.0	7.3	4.3	10.0	33.3	3.0	4.3	3.7	3.3	5.0	5.3	4.1
LSD VALUE	1.0	1.0	1.0	8.5	13.6	1.9	1.5	1.2	1.7	1.5	0.8	0.9
C.V. (%)	9.3	9.2	11.1	20.4	14.5	20.1	14.3	14.1	19.2	14.0	8.3	10.2

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

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

TABLE 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT BLACKSBURG, VA 1/  
2021 DATA

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

NAME	QUALITY RATINGS		QUALITY RATINGS								MEAN
	3 WEEKS AFTER ESTABLISHMENT	6 WEEKS	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
007XL	4.7	6.7	2.7	5.3	5.0	5.7	6.0	6.0	6.3	6.7	5.5
PVF-PV-1	4.3	5.7	2.7	5.0	5.0	5.3	6.0	6.0	7.3	6.3	5.5
PVF-PV-2	4.3	6.0	2.3	4.3	5.0	6.3	6.3	5.7	7.0	7.0	5.5
DLFPS-AP-3084	4.7	6.0	2.7	5.0	5.0	5.7	5.0	6.0	7.3	6.3	5.4
DECLARATION	5.3	6.0	2.7	5.3	5.0	5.0	5.3	6.0	6.3	6.3	5.3
L-93 XD	6.7	7.3	3.0	4.0	4.7	5.3	5.7	6.0	7.0	6.3	5.3
LNS 19	5.3	6.0	3.7	4.3	4.3	5.7	5.7	5.7	6.3	6.3	5.3
PENNCROSS	6.0	7.3	2.3	4.0	5.0	5.7	5.7	6.0	7.0	6.0	5.2
PIRANHA	6.0	6.3	1.7	4.0	4.7	5.7	6.0	6.0	7.0	6.7	5.2
PST-0HR	3.7	5.0	3.0	4.7	4.3	5.0	5.3	5.7	6.3	6.7	5.1
S1	6.7	7.3	2.0	4.0	4.3	5.7	5.7	5.7	6.7	7.0	5.1
BARRACUDA	4.7	5.0	3.0	3.7	4.7	5.0	5.3	5.3	6.7	6.0	5.0
PENN A-1	5.3	5.7	3.0	4.0	4.7	5.0	5.3	5.7	6.3	6.3	5.0
CY-4	5.3	6.7	3.3	3.7	4.7	5.0	5.3	5.7	6.0	5.7	4.9
PSU-CBG1	2.3	3.0	2.3	4.3	4.0	5.0	5.0	5.3	6.7	5.3	4.8
PST-0DSF	3.7	4.0	2.7	4.0	4.0	4.5	5.3	5.0	5.7	5.7	4.6
PIPER (PPG-AP-MTV2)	4.0	5.0	3.0	3.7	3.7	4.7	5.0	5.3	5.7	5.3	4.5
OAKLEY (PPG-AP-MTV1)	4.0	4.3	2.7	2.7	4.0	5.0	5.0	5.0	5.7	5.3	4.4
PSU-CBG3	2.0	2.3	2.7	4.0	3.7	4.3	4.3	5.0	5.7	5.3	4.4
PSU-CBG2	2.7	2.7	2.3	4.0	3.3	4.3	4.7	4.7	6.0	5.3	4.3
LSD VALUE	1.7	2.4	1.4	3.9	1.4	1.2	1.1	1.4	2.9	1.9	1.0
C.V. (%)	22.5	25.0	22.2	29.2	14.5	11.3	10.0	10.3	14.9	12.9	9.1

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

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

TABLE 14.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT BLACKSBURG, VA 1/  
2021 DATA

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

NAME	PERCENT ESTABLISHMENT MAY TO SEPTEMBER					
	MAY 10	JUNE 8	JULY 6	JULY 30	AUG 26	SEPT 24
007XL	36.7	56.7	63.3	88.0	91.3	93.3
PVF-PV-1	36.7	53.3	60.0	86.7	93.0	96.3
PVF-PV-2	40.0	65.0	63.3	89.7	90.0	96.0
DLFPS-AP-3084	33.3	53.3	58.3	85.0	90.0	94.7
DECLARATION	38.3	50.0	60.0	86.7	89.7	94.7
L-93 XD	33.3	56.7	58.3	85.0	93.0	96.0
LNS 19	35.0	51.7	56.7	83.3	88.0	91.0
PENNCROSS	41.7	50.0	63.3	81.7	93.3	99.0
PIRANHA	35.0	53.3	60.0	83.3	86.7	96.0
PST-OHR	33.3	48.3	56.7	81.7	88.3	93.0
S1	40.0	55.0	58.3	85.0	90.0	92.7
BARRACUDA	35.0	53.3	56.7	83.3	83.3	94.7
PENN A-1	41.7	51.7	55.0	86.7	91.7	91.7
CY-4	35.0	51.7	61.7	83.3	86.7	91.3
PSU-CBG1	26.7	45.0	56.7	76.7	85.0	93.3
PST-ODSF	35.0	48.3	51.7	73.3	83.3	88.3
PIPER (PPG-AP-MTV2)	31.7	46.7	53.3	75.0	81.7	88.0
OAKLEY (PPG-AP-MTV1)	25.0	46.7	51.7	76.7	83.0	86.3
PSU-CBG3	31.7	41.7	46.7	70.0	80.0	86.7
PSU-CBG2	26.7	43.3	46.7	68.3	80.0	86.7
LSD VALUE	22.3	16.6	18.3	17.6	22.0	21.4
C.V. (%)	22.5	13.8	12.6	9.5	8.5	7.4

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

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



TABLE 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE  
2020 NATIONAL BENTGRASS (GREENS) TEST AT MADISON, WI 1/  
2021 DATA

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

NAME	GENETIC COLOR	SPRING DENSITY	SEEDLING VIGOR	QUALITY NOV 2020	MAY	JUN	JUL	QUALITY RATINGS			OCT	NOV	MEAN
								AUG	SEP				
PIRANHA	5.0	4.3	4.3	3.3	4.0	6.7	6.7	7.3	7.7	6.0	6.7	6.4	
CY-4	5.0	5.3	4.7	3.0	3.7	6.0	6.3	6.7	8.0	6.0	6.3	6.1	
PST-0HR	5.3	4.3	4.0	3.0	4.0	5.7	6.3	6.3	7.7	6.3	6.7	6.1	
DLFPS-AP-3084	5.0	5.0	4.0	3.0	3.7	5.3	5.7	6.7	7.3	6.3	7.0	6.0	
L-93 XD	5.0	4.7	5.3	3.0	4.0	5.7	6.7	6.7	7.0	5.3	6.0	5.9	
PIPER (PPG-AP-MTV2)	5.0	5.3	5.0	3.7	3.3	5.3	6.0	6.7	7.3	6.0	6.0	5.8	
PVF-PV-1	5.0	4.3	3.3	3.0	3.0	5.0	5.7	6.3	7.7	6.3	6.3	5.8	
PVF-PV-2	5.0	4.7	4.0	3.0	3.7	5.0	6.3	5.7	7.3	6.0	6.7	5.8	
PST-ODSF	7.0	5.0	4.0	2.7	3.0	5.3	5.7	6.0	7.7	6.3	5.7	5.7	
007XL	5.0	4.7	4.0	3.0	3.0	5.0	6.0	5.7	7.3	5.7	6.3	5.6	
OAKLEY (PPG-AP-MTV1)	5.0	4.7	4.7	3.0	3.0	5.3	5.7	6.0	7.0	5.7	6.3	5.6	
S1	6.0	4.3	5.3	3.0	3.3	5.3	5.7	6.0	7.3	5.3	6.3	5.6	
LNS 19	5.7	5.0	5.0	3.0	3.7	5.0	5.0	5.7	6.7	6.3	5.7	5.4	
BARRACUDA	5.0	5.0	5.3	3.0	3.3	5.0	5.7	5.3	6.3	5.3	5.3	5.2	
PSU-CBG3	5.0	4.3	3.0	2.3	3.0	4.3	5.7	4.7	6.3	5.3	6.3	5.1	
DECLARATION	5.0	5.0	5.3	3.0	3.3	4.7	5.0	5.0	5.7	5.3	5.7	5.0	
PENN A-1	5.0	4.3	4.3	3.0	3.0	5.0	5.3	5.0	6.0	5.3	5.7	5.0	
PENNCROSS	5.0	5.0	4.7	3.7	4.3	6.3	5.3	4.3	5.3	4.7	5.0	5.0	
PSU-CBG2	5.0	4.0	2.7	2.0	2.7	4.7	5.0	5.0	6.0	5.0	6.0	4.9	
PSU-CBG1	5.0	3.7	2.3	2.3	2.3	3.7	4.0	4.0	6.0	5.0	5.7	4.4	
LSD VALUE	1.1	1.5	0.6	0.5	1.2	1.8	2.2	2.1	1.2	1.7	1.4	1.1	
C.V. (%)	10.5	13.0	9.5	10.0	17.4	15.9	15.7	17.8	10.1	12.5	10.4	10.1	

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

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