

TABLE 1.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT AUBURN, AL 1/
2022 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	PERCENT ESTABLISHMENT			QUALITY RATINGS										MEAN
				MARCH	APRIL	MAY	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
OAKLEY (PPG-AP-MTV1)	5.7	5.3	8.0	63.3	76.7	96.0	6.3	7.7	7.7	7.0	8.0	7.0	6.7	7.0	7.3	8.0	7.3
PSU-CBG1	7.3	5.7	8.3	53.3	66.3	86.3	5.7	7.3	6.3	6.7	8.3	7.3	7.3	6.7	7.3	8.0	7.1
PVF-PV-2	7.0	7.0	7.7	46.7	66.7	93.0	6.7	6.3	6.3	7.3	8.0	7.3	6.7	7.3	7.3	7.7	7.1
LNS 19	6.0	7.0	8.3	60.0	80.0	99.0	5.7	7.3	6.7	6.0	8.0	7.0	7.0	7.0	7.3	8.0	7.0
PST-OHR	7.3	7.3	8.7	53.3	70.0	89.7	6.3	7.0	6.7	6.7	8.7	7.3	7.0	6.3	7.0	6.3	6.9
PIPER (PPG-AP-MTV2)	4.7	5.7	7.3	43.3	53.3	83.3	5.7	6.0	6.0	5.7	7.3	7.3	7.0	7.0	7.7	8.0	6.8
PSU-CBG3	7.0	7.3	7.0	43.3	56.7	86.3	5.7	6.7	5.3	5.7	7.7	7.3	7.3	7.0	7.3	7.3	6.7
007XL	5.7	5.0	8.0	53.3	70.0	93.0	5.7	5.3	5.7	6.3	7.7	6.7	7.0	6.7	7.0	7.7	6.6
PVF-PV-1	6.3	4.0	8.0	56.7	76.7	93.0	6.3	6.0	6.0	5.7	7.3	7.0	6.7	6.7	7.0	7.3	6.6
DLFPS-AP-3084	6.0	6.0	8.3	50.0	60.0	83.3	5.3	6.3	6.0	5.7	8.3	7.0	6.3	6.7	6.0	7.3	6.5
PSU-CBG2	7.3	7.3	8.0	40.0	56.7	92.7	5.0	5.3	5.3	5.3	8.0	7.3	7.3	7.0	7.3	6.7	6.5
L-93 XD	6.3	6.3	7.0	56.7	66.7	90.0	4.3	6.0	6.0	5.7	7.3	6.3	6.7	6.3	7.7	7.3	6.4
PIRANHA	7.0	3.3	6.3	60.0	80.0	99.0	5.3	5.3	5.3	6.0	6.3	6.3	6.7	7.0	7.3	8.0	6.4
CY-4	3.7	5.3	6.7	50.0	63.3	83.3	4.7	4.7	4.7	5.0	6.7	6.3	7.0	6.7	7.3	8.0	6.1
S1	5.7	5.3	6.7	56.7	63.3	89.7	5.3	6.0	5.3	5.3	6.7	6.3	6.7	6.0	6.7	7.0	6.1
BARRACUDA	4.7	5.7	6.3	56.7	66.3	86.3	4.0	4.3	3.7	4.0	6.3	6.3	6.3	5.7	7.3	7.7	5.6
PST-ODSF	8.3	6.3	7.0	46.7	56.7	86.3	4.3	4.0	4.0	3.3	6.7	6.7	7.0	6.3	7.3	6.7	5.6
PENN A-1	7.3	4.3	6.0	56.7	66.7	93.0	4.0	6.0	4.0	5.0	6.0	5.0	5.7	5.7	7.0	7.0	5.5
DECLARATION	5.3	3.3	5.3	66.7	80.0	99.0	3.7	4.3	3.0	3.7	5.3	5.3	5.7	5.7	6.3	6.7	5.0
PENNCROSS	2.0	1.0	4.3	53.3	66.7	90.0	2.3	2.3	2.0	2.3	4.0	4.3	4.7	4.7	6.7	6.7	4.0
LSD VALUE	0.9	0.9	1.6	31.4	37.2	12.0	1.4	1.2	0.9	1.0	1.4	1.2	1.5	2.3	2.2	1.9	0.5
C.V. (%)	9.9	11.1	12.8	21.0	19.8	6.5	16.3	13.5	11.3	11.7	12.2	10.9	11.1	14.3	10.3	10.6	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 2.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT STORRS, CT 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	THATCH	COLOR NOVEMBER	MOWING QUALITY	MAY	JUN	QUALITY RATINGS					MEAN
										JUL	AUG	SEP	OCT	NOV	
SPECTRUM (LNS 19)	5.3	6.3	7.0	8.0	10.3	7.0	6.3	7.0	7.0	8.0	8.3	8.0	8.3	7.7	7.8
PVF-PV-1	5.3	5.7	7.3	8.0	10.0	7.3	6.7	6.3	7.7	7.7	8.7	8.0	8.0	7.7	7.7
007XL	5.7	6.0	7.3	7.7	11.0	8.0	6.0	6.7	8.0	7.7	7.7	7.3	7.7	7.7	7.5
PSU-CBG3	7.0	6.3	8.3	7.7	10.0	5.0	6.0	7.0	7.7	8.0	8.3	7.7	7.7	6.0	7.5
OAKLEY (PPG-AP-MTV1)	6.7	6.7	7.7	8.3	10.0	6.3	7.0	7.0	8.0	8.7	7.3	6.7	7.0	7.3	7.4
PST-OHR	7.7	6.7	8.7	8.0	9.0	4.7	6.3	6.3	7.3	8.7	8.3	7.3	6.7	6.3	7.3
PVF-PV-2	5.7	6.3	6.3	7.7	11.3	5.3	5.7	6.3	7.3	6.7	7.0	7.3	7.0	6.0	6.8
PIPER (PPG-AP-MTV2)	3.7	6.7	7.7	7.3	8.7	5.0	5.7	6.7	5.7	7.7	6.3	6.7	7.3	6.7	6.7
PSU-CBG1	5.0	6.7	8.3	7.3	9.3	4.7	5.7	6.3	7.3	7.7	6.7	6.7	5.7	5.0	6.5
DLFPS-AP-3084	4.3	6.3	6.3	7.0	9.3	5.7	5.0	5.3	6.3	7.0	6.7	6.3	6.7	6.3	6.4
S1	5.7	4.7	6.3	6.7	9.3	5.7	5.0	5.0	7.0	6.7	7.3	6.7	5.7	6.3	6.4
L-93 XD	5.3	5.0	6.3	7.0	8.7	6.3	4.3	5.0	7.0	6.7	7.3	6.7	5.7	6.0	6.3
PIRANHA	6.3	5.3	5.0	7.0	8.0	5.3	4.0	5.0	5.3	6.0	6.3	6.3	6.3	5.3	5.8
CY-4	2.3	4.7	5.0	6.3	10.0	4.0	4.3	5.3	4.3	5.0	6.0	6.0	4.7	5.7	5.3
PSU-CBG2	6.7	6.3	7.0	4.7	8.7	3.7	4.7	5.7	6.3	6.3	5.3	5.0	4.3	4.0	5.3
PENN A-1	8.0	3.0	4.7	5.3	9.3	3.7	3.3	3.7	4.3	6.0	5.7	4.7	4.7	4.3	4.8
BARRACUDA	3.0	4.7	4.3	6.0	7.7	3.3	3.3	4.3	4.0	5.0	4.3	5.0	4.7	4.3	4.5
DECLARATION	6.3	3.3	4.3	5.0	8.0	3.3	2.7	2.7	4.0	5.0	4.7	4.0	3.7	4.0	4.0
PST-ODSF	9.0	5.0	5.7	3.7	9.0	1.3	3.7	4.3	4.0	5.3	4.0	3.7	2.7	2.7	3.8
PENNCROSS	6.7	1.7	2.3	4.3	6.0	2.3	1.7	2.0	1.7	3.0	2.7	2.7	2.7	2.3	2.4
LSD VALUE	1.9	0.9	1.0	1.5	1.5	2.1	1.6	1.2	1.8	1.1	2.9	1.6	1.5	1.3	1.2
C.V. (%)	20.0	11.4	10.3	14.4	9.9	25.8	20.3	14.2	19.1	10.6	24.7	16.5	16.7	14.9	12.6

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

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

TABLE 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT OLYMPIA (OLYMPIA FIELDS CC) , IL 1/
2022 DATA

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

NAME	PERCENT POA ANNUA	QUALITY RATINGS						MEAN
		APR	MAY	JUN	JUL	AUG	OCT	
PST-0HR	4.7	7.3	7.7	8.7	7.7	8.0	8.7	8.0
PSU-CBG1	6.3	6.7	7.3	8.3	8.3	8.0	8.0	7.8
PSU-CBG2	3.7	7.3	7.0	8.3	8.0	8.0	8.0	7.8
SPECTRUM (LNS 19)	3.3	7.0	7.7	8.3	8.0	7.7	8.0	7.8
OAKLEY (PPG-AP-MTV1)	2.0	7.3	8.0	7.7	8.0	7.0	7.7	7.6
PSU-CBG3	6.7	6.3	7.7	7.7	8.7	8.0	7.3	7.6
PIPER (PPG-AP-MTV2)	1.3	7.3	7.7	8.3	7.0	7.0	7.3	7.4
PVF-PV-2	4.0	6.7	8.3	7.3	7.7	7.0	7.0	7.3
PVF-PV-1	2.3	6.3	7.3	7.7	7.7	6.7	7.7	7.2
DLFPS-AP-3084	5.7	5.7	7.3	8.0	7.3	7.3	6.0	6.9
007XL	5.3	5.7	6.7	7.0	7.0	7.7	6.7	6.8
S1	5.0	6.3	6.3	7.7	7.0	6.7	6.3	6.7
L-93 XD	4.3	6.0	6.7	7.0	6.7	6.0	7.0	6.6
PIRANHA	3.0	5.0	7.3	7.7	7.0	6.0	6.7	6.6
BARRACUDA	6.3	5.0	6.0	7.0	6.0	6.7	6.7	6.2
CY-4	6.3	4.7	5.3	6.7	6.3	6.0	6.0	5.8
PST-0DSF	15.7	4.7	5.3	5.7	6.7	6.3	6.0	5.8
PENN A-1	8.3	4.7	5.3	6.0	5.3	5.0	5.0	5.2
DECLARATION	14.3	3.3	4.0	5.3	4.7	4.0	4.7	4.3
PENNCROSS	12.7	2.7	3.0	5.0	4.3	4.0	3.7	3.8
LSD VALUE	6.8	1.2	1.2	0.8	1.2	0.8	1.1	0.5
C.V. (%)	62.0	13.3	11.7	7.2	10.7	8.3	10.1	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, IN 1/
2022 DATA

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

NAME	SPRING	LEAF	SUMMER	FALL	QUALITY RATINGS								MEAN
	GREENUP	TEXTURE	DENSITY	DENSITY	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
PSU-CBG1	4.7	7.7	8.3	8.3	6.3	8.0	8.0	8.3	8.3	7.7	7.7	6.3	7.8
PST-0HR	4.3	8.3	9.0	8.7	4.0	7.7	8.0	8.7	8.0	8.0	7.0	6.7	7.7
PSU-CBG3	4.3	8.0	8.0	9.0	5.7	7.7	7.7	8.0	8.0	8.0	7.3	6.7	7.6
PSU-CBG2	3.7	7.7	8.0	8.7	5.3	7.3	7.3	8.3	7.7	7.7	6.7	7.0	7.4
PIPER (PPG-AP-MTV2)	6.0	6.7	7.7	8.0	4.3	7.7	7.7	8.0	7.7	7.0	6.3	6.7	7.3
SPECTRUM (LNS 19)	6.0	7.0	7.7	7.7	4.7	7.7	8.3	8.0	7.7	6.7	6.7	6.0	7.3
OAKLEY (PPG-AP-MTV1)	5.7	7.0	6.7	7.0	4.7	7.0	8.0	8.0	6.7	7.0	7.0	6.7	7.2
PVF-PV-1	6.3	7.3	7.7	7.3	4.3	7.3	7.3	7.7	8.0	7.0	6.7	6.3	7.2
007XL	6.3	6.7	7.3	7.7	5.3	7.7	7.3	7.0	7.3	6.7	7.0	6.7	7.1
PST-0DSF	5.3	7.0	8.0	6.7	5.3	7.3	7.7	7.3	7.3	7.0	7.0	6.3	7.1
PVF-PV-2	6.0	6.7	7.0	7.0	5.0	6.7	7.0	7.3	7.3	6.3	6.7	6.7	6.9
DLFPS-AP-3084	6.3	6.7	6.7	7.0	4.7	7.3	7.3	7.3	7.3	6.0	5.7	6.0	6.7
L-93 XD	6.0	6.0	6.3	6.3	6.0	7.7	7.0	6.7	6.7	6.7	6.0	5.7	6.6
PIRANHA	6.3	6.3	6.7	6.7	4.7	6.7	6.7	6.7	6.7	6.7	6.3	6.7	6.6
S1	6.3	6.0	6.0	6.0	5.3	7.3	7.3	7.0	6.0	6.0	6.3	5.7	6.5
BARRACUDA	6.3	6.0	6.0	5.3	5.3	6.7	6.7	6.7	6.0	5.3	5.7	5.7	6.1
CY-4	5.0	6.3	7.0	6.7	6.7	5.7	6.3	6.7	7.0	5.7	5.0	5.3	6.0
DECLARATION	6.7	5.3	5.0	4.7	7.7	5.7	7.0	5.3	4.7	4.3	5.0	5.7	5.4
PENN A-1	5.3	5.0	5.3	5.3	7.3	5.7	6.3	5.7	6.0	5.0	4.7	4.7	5.4
PENNCROSS	4.3	3.0	3.0	3.0	7.7	5.0	5.0	4.0	3.0	3.0	4.0	4.3	4.0
LSD VALUE	1.9	0.8	1.1	1.1	2.4	1.2	1.1	1.2	1.1	1.2	0.8	1.1	0.5
C.V. (%)	17.2	8.0	10.2	10.1	22.2	10.2	8.9	10.4	10.1	11.5	8.3	10.4	5.3

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 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST GROWN UNDER LOW FUNGICIDE AT WEST LAFAYETTE, IN 1/
2022 DATA

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

NAME	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	FALL DENSITY	BROWN PATCH WEAR TOLERANCE	MAY	JUN	JUL	QUALITY RATINGS				MEAN
									AUG	SEP	OCT	NOV	
DLFPS-AP-3084	5.7	6.3	7.3	7.0	9.0	7.0	7.0	7.0	7.3	7.0	6.3	7.0	7.0
OAKLEY (PPG-AP-MTV1)	4.7	7.3	7.7	7.7	8.3	7.7	7.3	7.3	6.7	6.7	6.3	6.7	7.0
SPECTRUM (LNS 19)	5.7	7.3	8.0	8.0	9.0	7.3	7.3	6.7	7.3	7.0	6.7	6.7	7.0
007XL	5.0	7.3	7.7	7.0	9.0	7.3	7.3	7.0	7.0	7.0	6.0	6.3	6.9
PVF-PV-1	5.7	6.7	7.7	7.7	9.0	7.3	7.0	7.3	6.7	6.0	6.3	6.7	6.8
PVF-PV-2	6.0	6.0	7.0	8.0	9.0	7.0	7.0	6.7	7.3	6.3	6.3	6.7	6.8
PIPER (PPG-AP-MTV2)	5.3	7.7	8.3	8.0	9.0	7.0	7.0	7.3	7.0	5.3	6.0	6.7	6.6
PST-0DSF	4.7	6.3	7.0	7.3	9.0	7.3	8.0	7.7	6.7	5.3	6.0	5.3	6.6
PIRANHA	5.7	5.7	6.7	7.0	9.0	6.3	6.7	6.7	7.0	5.3	6.7	6.0	6.4
L-93 XD	5.3	5.7	7.0	7.0	9.0	7.0	7.0	6.7	7.0	6.0	5.7	5.0	6.3
CY-4	4.0	6.3	7.7	7.3	9.0	6.0	6.7	6.0	6.7	6.3	5.7	6.0	6.2
PSU-CBG2	3.7	7.7	8.0	9.0	9.0	7.7	8.3	8.3	5.7	4.7	4.7	4.3	6.2
PSU-CBG1	4.0	8.3	8.3	8.7	9.0	7.7	7.7	7.7	5.7	5.0	4.0	4.0	6.0
S1	5.0	6.0	6.3	5.7	9.0	6.7	6.3	6.0	6.0	5.3	6.0	5.7	6.0
BARRACUDA	5.0	5.3	5.7	5.0	8.7	6.3	6.7	6.0	6.0	5.3	5.3	5.7	5.9
PST-0HR	4.0	8.3	9.0	9.0	9.0	8.0	7.3	8.3	5.7	4.3	3.7	4.0	5.9
PSU-CBG3	4.0	7.0	7.7	8.3	9.0	7.7	7.3	7.7	5.7	4.7	4.0	4.0	5.9
DECLARATION	5.0	4.7	5.3	4.7	9.0	5.0	6.3	5.0	5.7	5.3	5.7	5.7	5.5
PENN A-1	4.3	5.0	5.0	5.0	8.7	5.7	6.3	5.7	5.0	5.0	5.3	4.7	5.4
PENNCROSS	4.0	3.0	3.3	3.3	9.0	4.3	4.7	4.3	4.3	3.3	3.7	3.3	4.0
LSD VALUE	2.7	1.5	1.1	1.1	1.0	1.1	1.0	0.7	1.1	1.1	1.3	0.7	0.4
C.V. (%)	21.8	14.7	10.4	10.5	3.5	9.6	8.4	6.4	10.3	12.2	14.1	8.6	4.7

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 5. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
 (CONT'D) 2020 NATIONAL BENTGRASS (GREENS) TEST GROWN UNDER LOW FUNGICIDE AT WEST LAFAYETTE, IN 1/
 2022 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/							PERCENT DOLLAR SPOT
	DOLLAR SPOT	7/19	DOLLAR SPOT 7/27	CENTERS 8/6	JULY-SEPTEMBER 8/13	8/21	9/1	
DLFPS-AP-3084	8.7	0.0	0.0	0.0	0.7	2.0	8.0	0.0
OAKLEY (PPG-AP-MTV1)	9.0	0.3	0.3	0.0	1.0	0.3	5.0	0.0
SPECTRUM (LNS 19)	9.0	0.0	0.0	0.0	1.3	0.7	5.3	0.0
007XL	8.3	0.0	0.0	0.3	0.7	1.0	5.3	0.0
PVF-PV-1	8.7	0.0	0.0	0.0	0.3	3.0	6.3	0.3
PVF-PV-2	8.7	0.0	0.0	0.3	0.7	2.0	3.7	0.0
PIPER (PPG-AP-MTV2)	8.3	0.0	1.0	1.7	1.0	2.7	9.3	0.3
PST-0DSF	7.0	0.3	1.0	2.0	4.7	6.7	16.0	1.3
PIRANHA	7.7	1.0	0.7	1.3	3.0	5.7	12.0	0.7
L-93 XD	7.7	0.0	1.0	2.0	2.7	2.7	9.3	1.0
CY-4	8.3	0.3	0.3	0.0	0.7	1.3	4.7	0.3
PSU-CBG2	5.7	4.7	7.7	13.3	24.7	29.3	39.3	3.7
PSU-CBG1	6.0	3.3	6.7	11.7	17.0	17.3	28.0	3.0
S1	7.7	0.0	0.0	1.7	3.3	6.0	14.0	0.7
BARRACUDA	7.7	0.7	0.3	1.3	2.3	6.0	10.0	0.3
PST-0HR	4.3	7.0	10.3	17.0	19.7	29.0	40.7	4.0
PSU-CBG3	5.0	4.3	6.7	12.7	20.7	25.3	37.3	5.0
DECLARATION	7.3	0.0	2.0	2.3	3.7	5.0	10.7	1.3
PENN A-1	5.7	0.7	2.0	2.3	5.7	14.0	18.0	3.0
PENNCROSS	4.0	8.7	17.7	15.3	30.7	43.3	52.0	9.7
LSD VALUE	1.2	3.8	6.3	7.2	11.0	14.8	18.7	2.9
C.V. (%)	10.9	141.9	130.3	103.1	93.9	88.9	67.1	102.9

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 6.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT MANHATTAN, KS 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	DOLLAR SPOT	MAR	MAY	JUL	QUALITY RATINGS			MEAN
										AUG	SEP	NOV	
007XL	6.7	7.3	7.0	7.0	6.3	9.0	7.3	7.0	7.0	7.0	6.7	6.7	6.9
PIPER (PPG-AP-MTV2)	6.3	6.7	6.0	7.0	7.3	9.0	6.7	7.0	7.0	7.0	7.0	7.0	6.9
OAKLEY (PPG-AP-MTV1)	6.7	7.0	6.7	7.0	7.0	9.0	7.0	7.0	7.0	7.0	6.7	6.0	6.8
BARRACUDA	6.7	7.0	7.0	6.7	7.0	9.0	7.0	6.7	7.0	6.7	6.7	6.0	6.7
DLFPS-AP-3084	5.0	6.7	6.3	7.0	7.3	8.7	7.0	6.7	7.0	7.0	7.0	5.3	6.7
PVF-PV-1	6.3	7.0	5.7	7.0	7.0	9.0	6.3	6.3	7.0	7.0	7.0	6.3	6.7
S1	6.3	6.3	6.3	7.0	6.3	9.0	6.7	6.7	7.0	6.7	6.7	6.7	6.7
SPECTRUM (LNS 19)	6.3	6.0	6.0	7.0	6.7	8.7	6.3	6.7	7.0	7.0	7.0	6.0	6.7
PIRANHA	6.7	6.3	6.7	7.0	7.0	9.0	6.0	6.3	7.0	7.0	6.3	7.0	6.6
PST-OHR	6.0	7.3	6.3	7.0	7.0	8.3	7.0	6.7	7.0	6.7	6.3	5.7	6.6
PVF-PV-2	6.7	6.7	6.3	6.7	7.0	8.3	6.7	6.7	7.0	6.7	6.3	6.3	6.6
L-93 XD	6.3	6.3	5.7	7.0	7.0	8.7	6.0	6.7	7.0	7.0	6.7	5.7	6.5
PSU-CBG1	7.0	6.7	6.3	6.7	7.0	8.7	6.7	6.7	6.7	6.7	6.3	6.0	6.5
DECLARATION	7.0	6.0	6.0	6.7	6.3	9.0	5.3	7.0	7.0	6.3	6.7	6.3	6.4
PENN A-1	7.0	7.0	6.7	6.7	7.0	8.7	6.3	6.3	7.0	7.0	6.0	5.7	6.4
CY-4	6.7	5.3	5.3	7.0	6.0	9.0	4.7	6.3	7.0	6.0	7.0	6.7	6.3
PSU-CBG2	6.7	5.7	5.3	6.7	7.0	8.7	5.7	7.0	7.0	6.0	6.0	6.0	6.3
PSU-CBG3	6.0	6.7	6.3	6.7	7.0	8.3	6.0	6.7	7.0	6.0	5.7	5.3	6.1
PENNCROSS	7.0	5.7	5.3	6.7	6.3	7.7	5.3	6.0	7.0	5.3	6.0	5.7	5.9
PST-ODSF	7.0	6.0	4.7	7.0	6.3	7.7	5.3	5.7	6.3	5.7	6.7	5.3	5.8
LSD VALUE	1.5	2.7	1.7	1.3	2.1	2.3	1.1	1.9	0.4	0.8	1.0	1.5	0.4
C.V. (%)	9.7	14.5	12.7	5.4	10.0	8.6	10.3	9.6	2.6	7.1	7.4	11.1	3.8

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 7.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT AMHERST (TRAFFIC), MA 1/
2022 DATA

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS								MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
OAKLEY (PPG-AP-MTV1)	6.3	5.7	6.0	5.7	6.3	6.3	7.0	6.0	6.7	6.7	6.3	6.4
DLFPS-AP-3084	6.3	6.3	6.3	6.0	6.3	6.3	6.3	5.7	6.7	6.3	6.3	6.3
PST-0HR	6.7	5.7	6.0	6.0	6.0	7.0	6.7	6.3	5.7	6.0	5.7	6.2
PVF-PV-2	6.0	5.7	6.0	5.3	6.0	6.0	6.7	5.7	7.0	6.7	6.0	6.2
SPECTRUM (LNS 19)	5.3	5.7	5.3	6.0	6.3	7.0	6.0	6.0	6.3	6.3	5.7	6.2
PIPER (PPG-AP-MTV2)	5.3	5.0	5.7	6.3	6.0	6.7	6.0	5.3	6.0	6.0	5.7	6.0
PSU-CBG2	6.3	5.7	6.0	6.0	6.3	6.3	6.0	7.0	5.7	6.0	4.7	6.0
007XL	5.7	5.3	5.3	5.7	5.7	5.7	6.0	5.0	6.3	6.3	6.3	5.9
PSU-CBG1	6.3	5.0	5.7	6.3	6.0	6.0	6.0	6.0	6.0	5.7	5.3	5.9
PVF-PV-1	6.0	5.7	5.7	5.7	6.0	5.7	6.3	5.3	6.3	5.3	6.3	5.9
PIRANHA	5.3	4.3	5.3	5.7	5.7	5.7	6.0	6.0	5.7	5.7	6.0	5.8
BARRACUDA	5.7	5.3	5.0	5.3	5.7	5.7	6.0	5.7	6.0	5.3	6.0	5.7
PSU-CBG3	5.7	6.0	5.7	6.0	6.3	6.0	5.3	5.3	5.7	5.7	5.0	5.7
CY-4	6.3	6.3	5.7	5.0	5.0	5.0	5.7	5.3	6.0	6.7	6.0	5.6
L-93 XD	6.0	6.0	6.0	5.3	5.3	5.3	6.0	5.3	6.0	5.7	6.0	5.6
S1	5.0	5.0	5.0	5.0	5.0	6.0	5.0	5.3	6.7	6.0	6.0	5.6
DECLARATION	4.7	4.7	4.7	5.0	5.3	5.0	5.7	5.0	5.7	5.7	5.7	5.4
PST-0DSF	5.3	4.7	6.0	5.0	5.3	5.3	6.0	5.3	5.3	6.0	4.7	5.4
PENN A-1	4.3	4.7	4.7	5.0	5.3	5.0	5.3	5.3	5.3	5.3	5.3	5.3
PENNCROSS	3.7	3.7	3.7	4.0	4.0	4.3	4.7	4.3	4.7	4.3	5.0	4.4
LSD VALUE	0.8	0.8	0.8	0.7	0.8	0.6	0.5	0.7	0.9	1.1	0.7	0.4
C.V. (%)	9.0	9.5	8.9	7.8	8.2	6.7	5.8	7.4	8.2	9.9	7.6	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 8.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT ST. PAUL, MN 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SUMMER DENSITY	PERCENT GROUND COVER			QUALITY RATINGS					MEAN
				SUMMER	MAY	JUN	JUL	AUG	SEP	OCT		
PST-OHR	7.3	7.0	7.0	97.7	7.3	8.0	8.0	8.0	7.3	7.0	7.6	
SPECTRUM (LNS 19)	6.0	8.0	7.0	97.0	6.0	7.7	7.7	7.0	7.3	7.7	7.2	
PIPER (PPG-AP-MTV2)	5.7	7.0	7.0	97.7	6.3	6.7	7.7	7.0	7.0	7.7	7.1	
PVF-PV-1	6.3	7.0	7.3	96.7	6.3	7.3	7.7	7.3	6.3	7.3	7.1	
OAKLEY (PPG-AP-MTV1)	5.0	7.0	7.0	95.7	6.7	8.0	7.3	6.7	6.0	7.3	7.0	
PSU-CBG1	7.0	5.0	7.3	98.7	6.0	7.0	7.3	7.0	6.7	6.0	6.7	
007XL	5.3	7.3	7.0	96.0	6.3	7.0	7.7	6.3	5.3	7.0	6.6	
DLFPS-AP-3084	6.0	7.3	6.7	97.0	6.0	6.3	6.3	6.7	6.7	7.7	6.6	
PVF-PV-2	6.0	7.3	8.3	96.7	5.7	7.3	6.7	6.3	6.3	7.3	6.6	
PST-ODSF	6.0	5.3	6.3	95.7	6.7	6.7	7.0	6.3	5.3	7.0	6.5	
PSU-CBG2	6.0	5.3	7.0	98.3	6.3	5.7	6.7	6.7	6.7	6.7	6.4	
PSU-CBG3	6.3	5.0	7.0	98.0	6.3	7.0	7.0	6.3	6.0	6.0	6.4	
BARRACUDA	4.3	6.3	6.0	95.3	5.3	6.3	6.0	6.3	5.7	7.3	6.2	
L-93 XD	5.3	6.0	7.3	96.0	5.7	7.3	6.7	6.3	5.3	6.0	6.2	
PIRANHA	4.7	6.3	5.3	94.3	5.7	5.7	6.3	5.7	5.7	7.3	6.1	
S1	5.0	5.7	5.7	94.7	5.7	5.3	6.0	5.3	5.3	7.0	5.8	
PENN A-1	3.7	4.7	4.0	88.3	4.7	6.0	6.0	4.7	4.3	5.7	5.2	
DECLARATION	3.7	5.3	4.7	89.3	4.3	4.7	5.0	4.7	5.0	5.3	4.8	
CY-4	4.0	6.7	6.3	93.7	5.3	5.7	4.0	3.7	3.7	5.0	4.6	
PENNCROSS	1.7	4.0	3.0	79.7	3.3	3.3	3.7	3.0	2.7	2.7	3.1	
LSD VALUE	2.3	0.8	1.3	3.2	1.1	1.2	1.0	1.2	1.2	1.1	0.7	
C.V. (%)	24.4	8.6	13.1	2.2	11.8	11.7	10.2	12.8	13.1	11.0	7.0	

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

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

TABLE 9.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT RALEIGH, NC 1/
2022 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	FALL DENSITY	JAN	FEB	MAR	APR	MAY	JUN	QUALITY RATINGS					MEAN
											JUL	AUG	SEP	OCT	NOV	
OAKLEY (PPG-AP-MTV1)	8.0	8.3	8.0	8.3	8.0	7.0	8.0	8.7	8.0	8.7	8.0	7.3	8.0	9.0	9.0	8.2
PVF-FV-2	8.0	8.7	8.7	8.7	8.0	7.0	8.0	8.7	8.0	9.0	8.0	7.0	8.0	8.7	9.0	8.1
PIPER (PPG-AP-MTV2)	7.7	8.3	8.3	8.0	8.0	7.0	7.7	8.3	8.0	9.0	8.0	6.7	8.0	8.7	9.0	8.0
PVF-FV-1	8.0	8.7	8.3	9.0	8.0	7.0	7.3	8.7	8.0	9.0	8.0	6.7	8.0	8.0	9.0	8.0
S1	7.7	8.7	8.0	8.3	7.7	6.7	7.7	8.3	7.7	9.0	8.0	7.0	8.0	8.7	9.0	8.0
PIRANHA	8.0	8.3	8.3	8.0	8.0	7.0	7.7	8.3	7.7	8.3	8.0	6.7	7.7	8.7	8.7	7.9
007XL	8.3	8.7	8.7	9.0	8.0	7.0	8.0	8.7	8.0	8.7	7.7	5.0	8.0	8.0	9.0	7.8
BARRACUDA	7.7	8.3	8.0	8.0	8.0	7.0	7.7	8.3	8.0	8.3	8.0	5.3	7.3	8.7	9.0	7.8
L-93 XD	8.0	8.0	8.0	8.0	8.0	7.0	7.3	8.7	8.0	8.3	7.7	5.3	7.7	8.3	9.0	7.8
SPECTRUM (LNS 19)	8.3	8.7	8.7	8.3	8.0	7.0	7.0	8.3	8.0	9.0	8.0	5.7	8.0	8.3	9.0	7.8
CY-4	7.0	8.3	7.7	7.7	8.0	7.0	7.0	7.3	7.0	8.3	7.7	7.0	8.0	8.3	9.0	7.7
DLFPS-AP-3084	7.3	9.0	8.0	8.0	8.0	7.0	7.0	8.0	7.7	8.3	8.0	6.3	7.7	8.0	9.0	7.7
PST-ODSF	8.7	9.0	8.7	8.7	8.0	6.3	7.3	8.7	8.0	8.7	8.0	4.3	6.7	9.0	9.0	7.6
PSU-CBG1	8.7	9.0	9.0	9.0	8.0	6.7	7.3	8.3	8.0	9.0	8.3	4.3	7.0	8.0	9.0	7.6
PENN A-1	8.7	8.3	7.3	8.0	7.7	5.3	7.3	7.7	8.0	8.0	7.3	5.3	7.7	8.7	9.0	7.5
DECLARATION	8.0	8.3	7.0	7.0	7.7	6.0	7.0	7.0	7.3	8.0	7.0	6.0	7.3	7.7	9.0	7.3
PSU-CBG2	8.7	9.0	9.0	9.0	7.7	6.3	6.0	8.3	8.0	9.0	8.0	5.0	6.7	7.3	7.7	7.3
PST-0HR	8.3	8.7	9.0	9.0	8.0	7.0	7.0	8.7	8.0	8.7	8.7	3.3	4.3	7.3	8.3	7.2
PSU-CBG3	9.0	9.0	9.0	9.0	8.0	6.0	5.3	8.0	8.0	9.0	8.3	3.7	5.0	5.7	7.0	6.7
PENNCROSS	7.7	7.0	6.0	6.0	6.0	4.3	6.0	6.0	6.0	6.3	6.0	5.3	6.0	7.0	8.0	6.1
LSD VALUE	0.8	0.9	0.6	0.5	0.4	0.7	1.5	0.6	0.4	0.6	0.5	1.1	1.8	2.0	2.7	0.4
C.V. (%)	5.4	5.6	4.6	3.9	3.4	6.9	10.5	4.9	3.1	4.7	4.4	12.7	13.7	11.8	10.8	3.5

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 9.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT RALEIGH, NC 1/
2022 DATA

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

NAME	PERCENT GROUND COVER			WINTER COLOR	ANTHRACNOSE	PYTHIUM ROOT ROT	ALGAE MAY	ALGAE JUNE	ALGAE JULY	ALGAE AUGUST	ALGAE SEPTEMBER
	SPRING	SUMMER	FALL								
OAKLEY (PPG-AP-MTV1)	99.0	99.0	99.0	7.3	8.3	8.7	9.0	9.0	9.0	9.0	9.0
PVF-PV-2	99.0	99.0	99.0	6.3	9.0	8.3	9.0	9.0	8.7	9.0	9.0
PIPER (PPG-AP-MTV2)	99.0	99.0	99.0	6.7	9.0	8.7	9.0	9.0	9.0	9.0	9.0
PVF-PV-1	99.0	99.0	99.0	6.3	9.0	9.0	9.0	9.0	9.0	8.7	9.0
S1	99.0	99.0	99.0	6.0	9.0	7.3	9.0	9.0	9.0	8.7	8.7
PIRANHA	99.0	99.0	99.0	7.0	9.0	7.0	9.0	8.7	8.7	7.0	8.3
007XL	99.0	97.7	99.0	7.0	8.7	5.7	9.0	9.0	9.0	8.7	8.7
BARRACUDA	99.0	99.0	99.0	6.7	9.0	4.3	9.0	8.7	8.7	7.3	7.7
L-93 XD	99.0	99.0	99.0	7.0	9.0	6.7	9.0	8.7	9.0	8.7	8.7
SPECTRUM (LNS 19)	99.0	99.0	99.0	6.7	8.7	8.3	9.0	9.0	9.0	9.0	9.0
CY-4	99.0	99.0	99.0	5.7	9.0	7.7	9.0	9.0	9.0	8.3	8.7
DLFPS-AP-3084	99.0	99.0	99.0	6.0	9.0	8.0	9.0	9.0	9.0	9.0	9.0
PST-ODSF	99.0	99.0	99.0	5.7	9.0	3.3	9.0	8.3	9.0	6.0	7.0
PSU-CBG1	99.0	99.0	99.0	7.0	9.0	8.3	9.0	9.0	9.0	9.0	9.0
PENN A-1	99.0	99.0	99.0	6.3	9.0	3.7	8.7	8.3	8.3	6.3	7.3
DECLARATION	99.0	99.0	99.0	6.0	9.0	5.7	9.0	8.7	9.0	7.0	7.7
PSU-CBG2	99.0	97.7	98.3	7.0	8.3	8.3	9.0	9.0	9.0	9.0	9.0
PST-OHR	99.0	96.3	99.0	6.3	9.0	8.3	9.0	9.0	9.0	9.0	9.0
PSU-CBG3	99.0	92.7	96.0	7.0	8.0	8.0	9.0	9.0	9.0	9.0	9.0
PENNCROSS	96.3	97.0	99.0	5.0	9.0	4.7	5.7	6.0	6.7	5.0	5.3
LSD VALUE	0.4	7.5	3.5	1.2	0.7	1.2	0.3	0.5	0.5	0.9	0.6
C.V. (%)	0.3	2.6	1.2	9.9	3.8	11.3	2.0	3.6	3.3	7.4	4.7

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

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

TABLE 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT NORTH BRUNSWICK, NJ 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL DENSITY	DOLLAR SPOT	QUALITY RATINGS							MEAN
						APR	MAY	JUN	JUL	AUG	SEP	OCT	
PIPER (PPG-AP-MTV2)	8.0	7.0	6.7	7.7	7.7	8.0	7.7	9.0	8.3	8.0	7.0	7.7	8.0
SPECTRUM (LNS 19)	7.0	7.7	7.0	7.3	8.7	7.7	7.7	9.0	8.7	8.7	6.7	6.3	7.8
PVF-PV-2	7.7	7.3	7.7	7.0	8.3	7.3	6.3	8.0	8.0	7.7	7.7	7.7	7.5
OAKLEY (PPG-AP-MTV1)	8.0	6.7	7.3	7.0	7.7	7.3	8.0	8.7	8.3	7.3	6.7	5.7	7.4
007XL	7.3	7.0	7.3	8.0	7.7	6.7	7.0	8.3	7.7	7.3	7.3	6.7	7.3
PVF-PV-1	7.7	6.7	7.7	7.7	8.0	6.7	6.3	7.0	7.7	7.7	7.0	6.7	7.0
PST-OHR	7.7	5.7	8.7	7.3	3.0	8.0	8.3	7.0	6.3	5.3	5.7	3.3	6.3
PSU-CBG2	4.7	6.7	7.0	6.3	5.3	8.0	7.0	7.3	5.7	5.7	5.3	4.7	6.2
DLFPS-AP-3084	6.7	6.7	4.7	5.7	8.3	6.3	5.3	7.0	6.3	6.7	6.0	5.3	6.1
PSU-CBG1	6.7	5.7	8.0	7.0	4.3	7.7	7.0	7.0	6.0	5.3	5.3	4.7	6.1
CY-4	8.3	5.7	6.0	6.0	8.3	5.7	5.7	5.3	6.3	6.0	6.7	6.0	6.0
PIRANHA	5.7	5.0	5.0	5.3	7.3	5.0	4.7	5.3	6.0	6.3	6.0	5.0	5.5
PSU-CBG3	4.0	6.0	7.0	7.0	3.3	6.0	6.3	7.0	5.3	5.0	5.0	3.3	5.4
L-93 XD	5.0	4.7	4.3	5.0	7.3	5.0	5.0	6.7	5.7	5.0	4.0	4.7	5.1
S1	5.3	5.0	4.7	5.3	7.3	5.0	4.7	5.3	5.0	4.3	5.3	5.7	5.0
BARRACUDA	5.0	4.7	5.0	4.0	7.3	4.7	4.0	5.0	5.0	5.3	5.0	4.7	4.8
PST-ODSF	2.0	1.7	3.3	3.3	7.3	3.7	3.0	5.7	6.0	5.3	4.7	3.7	4.6
DECLARATION	3.3	4.0	2.7	2.3	8.0	2.7	2.0	3.0	3.3	4.0	3.7	3.3	3.1
PENN A-1	2.0	3.0	2.7	2.0	6.7	2.7	2.0	3.3	3.3	3.3	4.0	3.0	3.1
PENNCROSS	1.0	2.0	2.0	1.0	7.7	1.3	1.0	2.0	1.7	2.0	2.0	2.0	1.7
LSD VALUE	1.6	1.7	1.5	1.3	1.0	1.0	1.2	1.1	1.2	1.6	1.0	1.2	0.9
C.V. (%)	18.7	19.7	17.1	14.9	9.9	12.0	14.2	11.6	13.3	17.8	12.3	16.2	10.5

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 AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT STILLWATER, OK 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	% GROUND COVER FALL	WINTER COLOR	QUALITY RATINGS												MEAN
							JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
PSU-CBG2	6.0	6.0	6.3	5.3	84.7	3.3	5.3	4.3	6.7	8.0	7.7	7.7	6.7	5.3	6.0	7.0	9.0	6.6	
PSU-CBG1	5.7	5.7	6.3	6.3	92.7	2.3	5.3	3.7	6.7	7.3	7.7	7.7	7.0	5.7	7.0	7.0	7.5	6.5	
PST-0HR	5.3	6.3	7.0	6.0	73.3	2.3	5.3	3.3	6.3	7.0	7.7	8.3	6.7	5.0	6.3	7.3	7.5	6.4	
PSU-CBG3	5.7	6.0	8.3	7.3	88.0	2.3	4.7	3.7	5.7	7.3	7.3	7.7	7.3	5.7	6.3	7.3	8.0	6.4	
PIPER (PPG-AP-MTV2)	5.3	5.7	7.0	6.3	89.7	2.3	5.0	3.7	6.3	6.0	7.0	6.7	6.0	5.0	6.3	7.7	7.0	6.0	
PVF-PV-2	5.7	5.7	7.0	6.3	83.3	2.3	5.0	3.3	6.0	6.3	7.0	7.0	5.7	5.0	5.3	7.3	7.5	5.9	
PVF-PV-1	4.7	5.3	7.3	7.7	76.7	2.3	4.3	3.3	6.7	6.0	7.0	7.3	5.7	4.7	4.7	6.0	7.0	5.6	
OAKLEY (PPG-AP-MTV1)	5.3	6.0	6.3	6.0	69.7	2.3	5.7	3.3	6.0	6.0	6.7	6.7	5.3	4.3	5.3	5.7	6.0	5.5	
DLFPS-AP-3084	4.0	5.7	7.7	6.0	73.3	1.3	5.0	3.0	6.0	6.3	6.0	5.7	4.7	4.0	4.3	5.0	7.0	5.1	
L-93 XD	6.0	5.7	5.3	3.3	65.0	1.7	4.0	3.0	6.0	6.0	6.3	5.3	5.3	4.3	4.3	5.0	7.0	5.1	
BARRACUDA	6.3	6.3	6.7	6.7	50.0	3.0	4.7	3.0	5.7	6.0	6.7	6.3	4.3	3.3	4.0	4.3	5.5	4.8	
PIRANHA	6.3	5.7	7.0	6.7	48.3	2.7	5.0	2.7	6.3	6.0	6.3	5.7	4.7	3.3	3.7	4.0	5.5	4.8	
007XL	4.3	5.7	7.0	6.7	35.0	2.7	4.3	2.7	6.7	6.0	7.3	6.0	4.7	2.7	3.3	3.0	4.5	4.6	
S1	6.0	5.0	7.0	6.0	38.3	2.7	4.7	2.7	6.3	6.0	6.7	6.0	4.7	2.7	3.3	3.0	5.5	4.6	
SPECTRUM (LNS 19)	4.7	5.3	7.0	5.7	50.0	1.3	4.0	2.3	5.3	6.0	7.0	6.0	4.7	3.0	3.3	3.7	5.0	4.5	
CY-4	6.3	4.3	6.0	4.7	28.3	3.0	5.3	4.0	5.0	4.0	6.7	6.0	4.7	2.3	2.3	3.0	4.0	4.3	
PENN A-1	7.7	7.0	7.0	5.3	38.3	2.3	3.7	2.0	4.7	5.7	6.7	5.7	4.7	3.0	3.3	3.7	5.0	4.3	
DECLARATION	7.0	6.7	7.0	5.7	45.0	2.0	4.0	2.0	5.3	5.7	6.0	5.3	3.7	2.7	3.3	3.3	5.0	4.2	
PST-0DSF	7.0	7.7	8.0	7.0	0.0	2.7	4.7	3.0	6.3	8.3	7.7	6.7	1.0	1.0	1.0	1.0	1.0	3.9	
PENNCROSS	5.3	5.3	7.3	6.3	0.0	1.3	2.0	1.0	3.7	4.3	4.7	3.3	1.0	1.0	1.0	1.0	1.5	2.3	
LSD VALUE	0.9	1.2	3.1	2.6	32.5	3.0	1.2	2.3	1.6	0.7	1.0	1.0	1.3	1.3	1.5	1.8	1.9	0.7	
C.V. (%)	10.3	11.5	15.8	19.4	35.3	42.5	15.4	33.5	14.2	7.9	8.8	9.9	17.0	22.3	22.4	23.9	16.6	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 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT CORVALLIS, OR 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	TRU FIRM	MAR	MAY	QUALITY RATINGS				MEAN
						JUN	JUL	AUG	SEP	
PIRANHA	5.3	7.3	580.7	7.0	6.3	6.7	7.0	7.0	6.7	6.8
PIPER (PPG-AP-MTV2)	5.0	6.0	603.0	7.0	7.0	6.3	7.0	6.0	5.7	6.5
PST-0HR	6.0	7.0	606.3	7.0	6.7	7.3	7.3	5.7	5.0	6.5
007XL	4.3	6.3	576.0	6.3	6.7	7.0	6.3	6.0	6.0	6.4
PENN A-1	7.0	6.7	538.3	7.0	6.0	6.3	6.7	5.7	7.0	6.4
BARRACUDA	5.3	6.7	578.3	6.3	6.0	6.7	7.0	6.0	5.7	6.3
L-93 XD	5.0	6.7	556.7	7.0	6.0	6.7	6.0	5.7	5.7	6.2
DLFPS-AP-3084	4.3	6.3	594.0	6.3	5.7	6.7	6.3	5.7	5.7	6.1
SPECTRUM (LNS 19)	4.3	6.3	541.0	6.0	5.7	6.3	6.0	6.0	6.3	6.1
CY-4	6.0	6.7	553.3	6.3	5.3	5.7	6.0	5.3	6.0	5.8
PSU-CBG1	6.3	6.7	611.0	6.0	5.3	7.0	6.3	5.0	5.0	5.8
OAKLEY (PPG-AP-MTV1)	5.0	6.0	573.3	5.7	5.7	6.3	5.7	5.3	5.7	5.7
DECLARATION	6.0	7.0	567.3	6.3	5.0	6.0	5.7	5.0	5.7	5.6
PSU-CBG2	6.0	7.0	613.0	5.7	5.0	6.3	6.7	5.3	4.3	5.6
PVF-PV-1	5.0	6.3	567.7	5.3	5.0	5.7	6.0	5.7	5.7	5.6
PST-0DSF	6.7	4.3	524.0	5.7	5.0	6.0	5.7	5.0	5.7	5.5
PENNCROSS	6.7	8.0	509.3	6.0	5.7	5.3	5.0	5.3	5.3	5.4
S1	4.7	5.7	549.0	5.3	4.7	5.7	5.7	5.3	5.0	5.3
PSU-CBG3	6.3	6.7	577.7	5.3	4.7	6.3	5.7	4.3	4.3	5.1
PVF-PV-2	5.0	6.0	543.0	4.3	4.0	5.3	5.3	5.3	5.3	4.9
LSD VALUE	0.9	1.1	102.4	2.4	3.3	2.0	1.9	1.6	1.8	1.5
C.V. (%)	10.4	10.1	7.2	16.1	21.5	12.6	13.4	12.5	14.7	11.3

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/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	COLOR NOVEMBER	QUALITY RATINGS							MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	
PST-0HR	6.7	6.0	6.3	7.7	8.0	7.7	8.7	8.7	8.7	6.3	8.0
PVF-PV-1	6.0	7.3	5.3	7.7	7.7	7.7	8.0	7.3	7.3	5.3	7.3
OAKLEY (PPG-AP-MTV1)	6.7	7.7	5.0	7.7	7.3	7.7	7.0	7.3	7.0	6.0	7.1
PIPER (PPG-AP-MTV2)	5.7	7.3	5.7	7.0	7.0	6.3	6.7	7.7	7.3	5.3	6.8
PVF-PV-2	6.7	8.0	5.3	7.0	6.3	6.7	7.0	7.7	7.3	5.3	6.8
SPECTRUM (LNS 19)	5.3	7.7	5.7	7.7	7.0	7.3	6.0	6.7	7.0	4.3	6.6
PSU-CBG2	7.0	5.7	4.3	5.3	6.3	6.3	7.3	7.7	7.7	5.0	6.5
DLFPS-AP-3084	5.7	7.3	5.3	7.0	6.0	5.7	6.7	7.0	6.7	4.3	6.2
007XL	5.0	6.7	5.0	6.0	6.0	6.7	6.0	6.3	6.3	5.0	6.0
L-93 XD	6.7	6.0	4.7	7.0	5.0	6.3	6.3	6.0	6.7	5.0	6.0
PST-0DSF	8.3	5.0	3.0	6.0	4.7	5.3	6.7	7.0	8.3	4.0	6.0
S1	6.7	6.7	5.3	6.3	5.7	5.7	6.0	6.7	6.3	4.3	5.9
PSU-CBG1	6.3	5.0	4.7	4.3	4.7	5.7	6.7	7.3	7.3	4.7	5.8
BARRACUDA	6.7	6.3	4.7	6.7	5.0	5.3	6.3	6.3	6.0	4.3	5.7
PSU-CBG3	7.0	4.7	4.0	3.3	4.3	5.0	7.0	7.7	8.0	4.7	5.7
PIRANHA	6.3	5.3	5.3	5.3	5.3	5.0	5.7	7.0	6.0	4.3	5.5
CY-4	3.7	7.0	6.7	4.3	4.3	5.3	4.7	6.0	6.0	4.3	5.0
DECLARATION	5.7	6.7	4.0	4.3	3.3	4.7	4.3	5.0	5.0	3.3	4.3
PENN A-1	8.3	5.0	3.3	3.7	3.7	4.3	5.0	5.0	5.3	3.3	4.3
PENNCROSS	7.0	5.0	2.7	3.7	3.7	3.7	4.3	4.3	4.0	3.0	3.8
LSD VALUE	1.3	1.7	1.0	1.7	1.3	1.7	1.6	1.1	0.9	1.9	0.8
C.V. (%)	12.3	15.0	13.0	17.4	15.3	16.4	14.6	9.9	9.0	20.5	8.8

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 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT BLACKSBURG, VA 1/
2022 DATA

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

NAME	GENETIC COLOR	WINTER COLOR	DOLLAR SPOT RATINGS JULY-OCTOBER				QUALITY RATINGS				MEAN			
			JULY	AUGUST	SEPTEMBER	OCTOBER	APR	MAY	JUN	JUL		AUG	SEP	OCT
SPECTRUM (LNS 19)	6.3	3.7	8.3	8.3	8.0	8.0	5.7	7.7	6.7	7.7	7.7	6.7	7.0	7.0
PVF-FV-1	5.7	4.0	7.3	8.7	8.0	7.0	5.3	6.7	6.3	7.0	8.0	7.3	7.3	6.9
PVF-FV-2	5.7	4.7	8.0	8.7	8.0	8.0	6.3	7.0	6.3	7.3	8.0	6.0	7.0	6.9
007XL	6.0	5.0	7.3	8.7	7.7	7.0	6.0	7.0	7.3	6.7	7.3	7.0	6.3	6.8
DLFPS-AP-3084	5.3	3.0	7.7	8.3	9.0	8.7	5.7	7.0	6.3	6.0	7.0	7.3	7.0	6.6
PST-OHR	6.3	3.7	6.0	6.0	5.0	5.3	6.3	6.7	7.0	6.7	7.3	6.0	6.0	6.6
S1	6.3	4.7	7.3	7.7	7.3	7.0	5.7	6.3	7.0	6.3	7.0	6.3	6.7	6.5
PIPER (PPG-AP-MTV2)	4.7	3.3	8.0	8.3	8.0	8.3	5.7	6.0	5.3	7.0	7.3	6.3	7.0	6.4
OAKLEY (PPG-AP-MTV1)	5.7	5.0	8.0	8.7	8.0	8.0	5.3	7.0	6.0	6.3	7.0	6.0	6.7	6.3
PSU-CBG1	6.7	3.0	5.7	6.7	5.3	5.0	5.3	6.0	6.3	6.3	7.0	6.7	5.7	6.2
BARRACUDA	6.0	4.0	7.7	7.7	7.7	7.0	5.7	6.3	5.7	5.7	6.3	6.0	6.7	6.0
CY-4	5.0	4.3	7.0	7.7	8.0	8.3	5.3	5.7	5.7	5.3	6.3	6.3	7.3	6.0
L-93 XD	6.0	4.0	7.3	7.7	6.7	7.0	5.3	6.0	6.0	5.3	6.3	6.0	6.7	6.0
PIRANHA	6.3	3.3	7.7	7.7	7.0	7.3	5.3	5.7	6.3	5.7	6.3	6.3	6.3	6.0
PSU-CBG3	6.0	3.3	6.3	6.3	4.7	5.3	4.7	6.0	6.0	6.0	6.7	6.3	6.0	6.0
PENN A-1	6.3	3.3	6.7	7.0	6.0	7.0	5.0	6.0	5.0	5.7	6.3	6.3	6.0	5.8
PST-ODSF	8.0	2.7	7.7	7.7	7.0	7.0	5.0	5.7	5.0	5.7	6.0	6.0	7.0	5.8
DECLARATION	6.7	4.7	7.3	7.3	7.7	7.3	5.3	5.3	6.0	4.7	5.7	6.7	6.0	5.7
PSU-CBG2	6.0	3.0	6.0	5.7	5.0	5.3	5.0	5.3	6.0	6.0	6.0	5.0	6.3	5.7
PENNCROSS	6.7	3.0	5.3	5.0	5.7	6.3	5.3	5.0	4.7	4.3	4.0	5.3	4.0	4.7
LSD VALUE	1.4	1.7	1.0	1.3	0.8	0.9	1.2	1.2	1.4	0.9	1.3	1.8	0.7	0.6
C.V. (%)	11.9	22.3	8.6	10.3	7.8	8.5	10.0	10.7	12.3	9.0	11.4	12.1	7.1	5.8

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 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS IN THE
2020 NATIONAL BENTGRASS (GREENS) TEST AT MADISON, WI 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	COLOR OCTOBER	COLOR NOVEMBER	POA ANNUA	APR	MAY	QUALITY RATINGS						MEAN
											JUN	JUL	AUG	SEP	OCT	NOV	
PIRANHA	8.0	4.7	6.3	8.0	7.7	7.7	7.0	9.0	4.7	5.0	8.0	7.3	8.7	8.0	8.0	7.3	7.1
OAKLEY (PPG-AP-MTV1)	7.7	4.3	6.3	7.7	8.0	7.3	6.0	8.7	4.7	5.0	7.7	7.7	8.3	8.0	8.0	6.7	7.0
PST-0HR	7.7	4.3	6.7	9.0	8.3	8.0	7.0	9.0	4.3	4.7	7.7	7.7	8.7	8.0	8.3	7.0	7.0
DLFPS-AP-3084	7.3	4.7	6.7	7.7	7.3	7.7	7.7	8.7	4.3	4.0	7.7	8.0	8.0	8.0	7.7	7.3	6.9
PVF-PV-1	7.7	4.3	6.3	8.0	7.7	7.3	7.0	9.0	4.0	4.3	7.3	7.7	8.3	8.0	8.0	7.3	6.9
PVF-PV-2	7.7	4.3	6.3	7.7	7.3	7.0	7.0	9.0	4.3	4.7	7.7	7.7	8.0	7.3	8.0	7.0	6.8
S1	7.0	3.0	6.0	7.0	7.7	7.7	7.3	8.7	4.0	5.0	7.7	7.0	7.7	8.0	7.7	7.0	6.8
007XL	7.0	4.3	6.3	7.7	7.7	7.0	5.7	9.0	4.3	5.0	8.0	7.3	7.7	7.7	7.7	6.0	6.7
PIPER (PPG-AP-MTV2)	7.7	4.3	6.7	8.0	8.0	7.0	6.3	9.0	4.3	4.3	7.7	7.3	8.0	8.3	7.3	6.3	6.7
CY-4	7.0	5.3	6.0	7.7	8.0	7.0	7.0	8.7	5.0	4.3	7.7	6.3	8.0	7.3	7.7	6.7	6.6
PSU-CBG3	7.7	4.0	6.7	8.3	8.3	8.0	6.3	8.7	3.7	4.7	7.7	7.0	8.0	7.3	8.0	6.7	6.6
PST-0DSF	7.7	3.3	6.3	8.0	7.7	8.0	3.7	8.0	3.7	5.3	7.7	7.0	8.0	7.0	7.3	5.0	6.4
SPECTRUM (LNS 19)	7.3	4.0	6.3	8.0	8.0	6.7	6.7	8.7	3.7	4.3	8.0	6.7	7.7	7.3	7.3	6.3	6.4
L-93 XD	6.7	3.7	5.3	7.7	7.3	7.3	6.3	9.0	3.7	4.0	7.3	6.3	7.7	7.0	7.7	6.7	6.3
PSU-CBG1	7.7	3.0	6.3	8.7	8.0	7.3	5.0	8.7	3.3	4.3	7.3	7.0	8.0	6.7	7.7	6.0	6.3
PSU-CBG2	8.0	3.3	6.7	8.0	8.0	7.0	5.3	9.0	3.7	4.0	7.7	7.0	8.0	7.3	7.0	5.3	6.3
BARRACUDA	7.0	3.0	4.3	7.7	7.0	7.3	5.7	8.0	3.3	3.7	6.7	5.7	7.3	6.0	7.0	6.3	5.8
PENN A-1	7.0	2.3	4.7	7.0	6.3	8.0	5.0	8.3	3.0	3.3	7.3	6.3	7.3	6.0	7.3	5.3	5.8
DECLARATION	6.7	3.3	4.7	6.7	6.7	7.7	6.3	8.0	3.0	3.7	6.3	5.7	7.0	5.7	6.3	6.7	5.5
PENNCROSS	6.3	3.0	4.3	5.7	6.0	7.3	5.3	7.3	3.0	3.7	5.7	5.7	5.7	5.3	6.0	5.0	5.0
LSD VALUE	1.2	1.2	1.2	1.0	0.9	0.8	2.2	0.9	0.8	1.2	1.4	1.3	0.9	1.1	1.3	1.5	0.7
C.V. (%)	7.7	17.6	11.5	7.5	7.0	5.6	17.7	5.6	12.4	13.6	8.9	10.4	6.8	9.5	8.7	12.4	6.2

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.