

TABLE 1.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT RIVERSIDE, CA 1/
2020 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL MEASURED IN INCHES

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS												MEAN
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
OKC0805	7.0	7.7	7.3	6.0	6.3	7.0	7.3	6.7	6.7	7.3	7.3	7.0	6.0	6.7	5.7	6.7
TAHOMA 31	7.0	7.7	7.3	6.0	6.0	6.0	6.3	6.7	6.7	7.3	7.7	7.0	6.3	7.0	5.7	6.6
FB 1901	7.3	6.3	7.7	6.0	6.0	6.0	6.0	6.3	6.3	6.3	7.3	7.3	6.7	7.0	6.3	6.5
TIFEAGLE	7.0	7.0	7.3	6.0	6.0	6.3	6.3	6.3	6.7	6.3	6.3	6.7	6.0	7.3	6.3	6.4
MINI-VERDE	7.0	6.3	7.0	5.3	5.7	5.7	5.7	5.7	5.7	6.7	7.0	6.7	5.7	6.7	6.0	6.0
TIFDWARF	6.3	6.7	7.0	5.3	5.0	5.3	5.3	5.3	5.7	6.7	6.7	6.7	6.0	6.0	6.3	5.9
UGA 17-653	7.0	6.7	6.7	4.7	4.7	4.7	4.7	6.7	6.3	6.7	6.3	6.3	6.0	5.7	6.3	5.8
SEASTAR	7.0	6.3	6.7	4.3	4.3	4.3	4.3	6.3	6.3	6.7	6.7	6.7	6.3	5.7	6.7	5.7
OKC0920	7.0	6.7	8.0	5.3	5.7	5.3	5.7	5.0	5.0	5.7	6.0	5.7	5.0	6.7	6.0	5.6
OKC3920	7.0	7.3	6.7	5.3	5.3	5.3	5.3	5.7	5.7	6.3	6.3	6.0	5.0	5.3	5.7	5.6
DALZ 1814	6.7	5.3	7.3	3.3	3.3	3.3	3.3	5.7	5.7	6.0	6.3	6.3	6.0	6.0	6.7	5.2
UGA 17-622	7.0	6.0	6.0	4.0	4.0	4.0	4.0	6.0	5.7	6.0	5.7	5.3	5.3	5.0	6.0	5.1
DIAMOND	7.3	6.3	7.3	4.3	4.3	4.3	4.3	4.7	4.7	5.3	5.7	6.0	5.7	5.3	5.7	5.0
FZ 1714	6.7	6.0	7.0	3.7	3.7	3.7	3.7	5.0	5.0	5.3	5.3	5.3	5.7	6.0	6.3	4.9
UGA 16-1105	6.7	5.3	6.3	3.3	3.3	3.3	3.3	5.3	5.3	5.7	5.7	5.7	6.0	5.7	6.0	4.9
DALZ 1815	7.0	5.7	7.3	4.0	4.0	4.0	4.0	4.0	4.7	5.3	5.3	5.3	6.0	5.3	6.0	4.8
MSB-1050	8.0	6.7	8.0	4.0	4.0	4.0	4.0	4.7	4.7	5.3	5.3	5.7	5.3	4.7	4.7	4.7
FZ 1710	7.7	5.0	7.7	2.3	2.7	2.3	2.3	4.3	4.3	5.3	6.0	6.0	6.3	6.0	7.0	4.6
FZ 1717	6.7	5.0	7.0	3.3	3.3	3.3	3.3	4.3	5.0	5.3	5.3	5.3	5.3	5.0	6.0	4.6
LSD VALUE	0.7	1.0	1.2	1.1	1.1	1.1	1.1	1.3	1.2	1.3	1.8	1.9	2.9	2.2	2.2	0.9
C.V. (%)	5.4	9.6	8.2	15.4	14.9	15.2	15.3	13.9	12.1	11.5	13.9	13.1	15.6	16.3	13.2	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 1. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
 (CONT'D) 2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT RIVERSIDE, CA 1/
 2020 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ BALL ROLL MEASURED IN INCHES						
	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT GROUND SUMMER	COVER FALL	COLOR DECEMBER	BALL ROLL NOVEMBER
OKC0805	7.3	7.3	6.3	83.3	99.0	4.0	94.0
TAHOMA 31	6.3	7.7	6.3	91.7	99.0	4.3	88.7
FB 1901	6.0	7.3	6.7	78.3	99.0	4.0	88.0
TIFEAGLE	6.3	6.7	6.0	80.0	99.0	4.3	90.7
MINI-VERDE	5.7	7.0	5.7	71.7	97.3	4.3	85.3
TIFDWARF	5.7	6.7	6.0	66.7	98.7	5.0	92.0
UGA 17-653	4.7	6.3	6.0	75.0	97.3	5.7	.
SEASTAR	4.3	6.7	6.3	76.7	96.3	5.7	.
OKC0920	5.7	6.0	5.0	66.7	98.0	6.0	82.7
OKC3920	5.3	6.3	5.0	68.3	94.3	5.3	70.0
DALZ 1814	4.0	6.3	6.3	25.0	48.3	6.7	.
UGA 17-622	4.3	5.7	5.3	76.7	96.0	7.0	.
DIAMOND	4.3	5.7	5.7	25.0	43.3	7.0	.
FZ 1714	4.3	5.3	5.7	25.0	43.3	7.0	.
UGA 16-1105	4.3	5.7	6.0	71.7	96.0	5.7	.
DALZ 1815	4.0	5.3	6.0	25.0	43.3	7.0	.
MSB-1050	4.7	5.3	5.3	96.0	99.0	3.3	79.3
FZ 1710	3.0	6.0	6.3	25.0	36.7	7.7	.
FZ 1717	3.7	5.3	5.3	25.0	46.7	7.3	.
LSD VALUE	1.1	1.7	2.9	6.2	11.2	1.0	23.5
C.V. (%)	13.5	13.4	15.7	7.0	9.3	11.5	11.9

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

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

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT JAY, FL 1/
2020 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	FALL DENSITY	QUALITY RATINGS			MEAN
				AUG	SEP	OCT	
SEASTAR	8.0	4.7	6.3	8.0	6.7	6.7	7.1
MSB-1050	9.0	7.3	7.7	8.0	6.3	6.7	7.0
OKC3920	8.0	8.7	6.7	7.7	6.3	7.0	7.0
UGA 16-1105	7.7	4.3	6.7	7.7	6.3	7.0	7.0
FZ 1710	8.0	7.7	7.0	8.7	6.0	5.7	6.8
UGA 17-622	7.3	4.7	6.3	7.3	6.7	6.3	6.8
DALZ 1814	7.7	7.0	6.7	8.0	6.0	6.0	6.7
MINI-VERDE	8.7	6.7	5.7	8.0	5.7	6.3	6.7
FZ 1714	7.7	7.3	6.7	7.3	5.7	6.7	6.6
UGA 17-653	7.3	5.3	6.3	7.3	6.0	6.0	6.4
DIAMOND	8.7	6.7	5.7	7.7	5.3	5.7	6.2
FB 1901	7.3	7.0	6.3	7.3	5.3	6.0	6.2
TIFEAGLE	7.0	6.7	5.3	7.7	5.3	5.7	6.2
TAHOMA 31	7.7	6.0	5.7	7.3	4.3	6.7	6.1
FZ 1717	8.0	6.7	6.3	7.0	5.3	5.7	6.0
OKC0805	6.7	8.0	7.0	7.7	4.0	6.3	6.0
DALZ 1815	8.0	7.0	5.7	7.3	5.3	4.7	5.8
OKC0920	6.0	7.3	6.0	6.7	4.7	5.7	5.7
TIFDWARF	8.0	6.7	5.0	7.0	4.3	5.3	5.6
LSD VALUE	1.0	1.2	1.5	1.1	1.2	1.7	0.8
C.V. (%)	7.5	11.0	11.7	7.1	12.2	12.5	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 2.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT JAY, FL 1/
2020 DATA

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

NAME	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
SEASTAR	56.7	70.0	81.7	85.0	96.0	99.0	99.0	99.0
MSB-1050	76.7	89.7	96.0	96.3	99.0	99.0	99.0	99.0
OKC3920	76.7	86.7	88.3	86.7	96.3	99.0	99.0	99.0
UGA 16-1105	60.0	70.0	81.7	86.7	96.0	99.0	99.0	99.0
FZ 1710	56.7	75.0	86.7	86.7	96.0	97.7	97.7	97.7
UGA 17-622	56.7	70.0	80.0	86.7	97.7	99.0	99.0	99.0
DALZ 1814	46.7	56.7	70.0	75.0	85.0	94.7	96.3	99.0
MINI-VERDE	70.0	83.3	85.0	80.0	90.0	99.0	99.0	99.0
FZ 1714	53.3	63.3	75.0	61.7	86.7	96.3	97.7	97.7
UGA 17-653	66.7	76.7	85.0	88.3	97.7	99.0	99.0	99.0
DIAMOND	26.7	40.0	56.7	68.3	83.3	93.3	95.0	95.0
FB 1901	56.7	70.0	81.7	88.3	96.3	99.0	99.0	99.0
TIFEAGLE	89.7	93.0	93.0	93.0	99.0	99.0	99.0	99.0
TAHOMA 31	83.3	94.7	96.3	96.3	99.0	99.0	99.0	99.0
FZ 1717	30.0	38.3	58.3	51.7	71.7	85.0	90.0	93.0
OKC0805	80.0	85.0	88.3	91.7	97.7	99.0	99.0	99.0
DALZ 1815	36.7	46.7	65.0	76.7	86.7	94.7	97.7	97.7
OKC0920	73.3	80.0	83.3	80.0	91.7	99.0	99.0	99.0
TIFDWARF	86.7	88.3	90.0	88.3	96.3	99.0	99.0	99.0
LSD VALUE	22.5	18.3	13.3	13.7	10.4	6.6	4.3	4.1
C.V. (%)	22.0	15.7	10.1	10.1	6.6	3.6	2.3	2.0

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 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT GRIFFIN, GA 1/
2020 DATA

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

NAME	COLOR		PERCENT ESTABLISHMENT			QUALITY RATINGS			MEAN
	NOVEMBER	DECEMBER	AUGUST	SEPTEMBER	OCTOBER	OCT	NOV	DEC	
UGA 17-622	5.7	1.0	96.0	99.0	99.0	7.3	6.0	5.0	6.1
MSB-1050	4.3	1.0	94.7	98.0	97.7	7.0	6.3	4.3	5.9
TAHOMA 31	4.0	1.0	88.3	99.0	99.0	7.3	6.0	4.3	5.9
OKC0920	2.7	1.0	84.7	99.0	99.0	6.7	6.7	4.0	5.8
OKC3920	3.3	1.0	93.3	99.0	96.0	7.0	6.3	4.0	5.8
DIAMOND	7.3	3.3	78.0	89.3	94.3	7.0	6.0	2.7	5.2
MINI-VERDE	5.7	1.7	96.3	99.0	99.0	6.0	6.0	3.7	5.2
TIFDWARF	6.0	4.0	70.0	90.0	94.7	6.3	5.0	4.0	5.1
UGA 17-653	4.0	1.0	94.7	99.0	97.7	6.0	6.0	3.3	5.1
ENTRY 20	4.0	1.0	94.7	99.0	99.0	5.7	5.7	3.7	5.0
FZ 1710	6.3	3.0	95.0	99.0	96.0	6.0	5.7	3.3	5.0
TIFEAGLE	5.3	3.7	60.0	86.7	93.0	5.7	5.3	4.0	5.0
UGA 16-1105	6.0	1.7	76.3	94.7	96.0	6.0	6.0	3.0	5.0
DALZ 1814	4.0	1.0	94.7	99.0	99.0	5.7	5.7	3.0	4.8
FZ 1714	6.7	2.7	95.0	99.0	99.0	6.3	5.7	2.3	4.8
FZ 1717	6.7	2.3	53.3	91.7	91.7	5.3	6.0	2.3	4.6
SEASTAR	6.0	2.3	60.0	91.7	91.7	6.3	5.3	2.0	4.6
DALZ 1815	6.3	3.3	56.7	83.3	86.7	6.3	5.0	2.0	4.4
FB 1901	4.0	1.0	91.3	99.0	94.3	4.7	5.7	2.3	4.2
OKC0805	5.3	1.7	96.3	99.0	99.0	5.0	4.7	3.0	4.2
LSD VALUE	1.9	1.2	18.7	9.4	9.6	3.6	2.8	2.1	2.5
C.V. (%)	21.3	37.3	13.4	5.3	4.5	19.9	15.8	30.2	17.7

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

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

TABLE 4.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT WEST LAFAYETTE, IN 1/
2020 DATA

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

NAME	GENETIC	LEAF	PERCENT GROUND COVER		WINTER KILL	STEM	COLOR		% ESTABLISHMENT AUG 2019	QUALITY RATINGS			MEAN
	COLOR	TEXTURE	SUMMER	FALL		RUST	SEPTEMBER	SEEDHEAD		AUG	SEP	AUG	
MSB-1050	8.3	6.3	84.0	98.7	5.3	9.0	6.7	8.7	33.0	4.7	5.7	5.3	5.2
TIFDWARF	7.3	6.7	76.7	95.3	7.0	9.0	5.3	5.7	27.0	3.7	5.3	5.3	4.8
UGA 16-1105	7.3	6.0	66.7	92.7	11.7	9.0	8.0	9.0	37.3	3.3	6.0	4.7	4.7
SEASTAR	6.7	7.0	70.0	91.0	10.3	9.0	7.7	9.0	37.7	3.3	5.7	4.7	4.6
TIFEAGLE	6.7	7.0	83.3	98.0	12.7	9.0	5.3	8.7	33.3	4.0	5.3	4.3	4.6
TAHOMA 31	8.0	7.0	78.3	98.3	4.3	9.0	4.7	3.0	22.3	4.0	4.7	4.3	4.3
UGA 17-653	7.3	6.3	65.0	90.7	9.3	9.0	4.3	9.0	36.7	3.3	6.0	3.7	4.3
DALZ 1815	7.0	8.7	70.0	88.0	15.0	8.7	5.7	9.0	27.0	2.7	5.7	4.0	4.1
UGA 17-622	7.0	6.3	56.7	90.0	9.7	9.0	8.0	9.0	30.7	2.3	5.7	4.3	4.1
FZ 1710	8.3	8.0	65.0	86.0	19.0	7.3	7.3	9.0	24.0	2.3	5.7	4.0	4.0
FZ 1714	7.0	7.7	61.7	82.3	18.3	5.0	6.7	9.0	26.0	2.3	5.7	4.0	4.0
MINI-VERDE	8.7	7.0	73.3	85.0	17.7	9.0	4.0	9.0	27.3	3.3	5.3	3.3	4.0
OKC0805	7.7	7.0	76.7	93.3	4.3	9.0	2.0	5.0	34.0	3.7	5.0	3.3	4.0
DIAMOND	7.7	8.7	60.0	89.3	26.0	9.0	5.0	9.0	24.0	2.0	5.7	4.0	3.9
OKC3920	7.7	7.3	70.0	88.3	2.7	9.0	2.3	9.0	36.7	3.3	5.3	3.0	3.9
DALZ 1814	6.0	8.0	66.7	81.3	17.7	1.7	6.0	9.0	27.0	2.0	5.3	3.3	3.6
FZ 1717	7.7	7.7	55.0	78.3	22.7	7.7	6.3	9.0	25.0	2.0	5.3	3.3	3.6
FB 1901	8.0	7.0	13.0	74.3	71.7	9.0	6.7	9.0	1.3	1.3	5.0	4.0	3.4
OKC0920	7.7	7.3	56.7	76.0	5.0	9.0	3.7	6.7	20.0	2.3	4.0	3.3	3.2
LSD VALUE	1.9	0.7	16.1	22.0	15.7	0.6	1.3	2.0	7.7	1.2	1.6	1.3	1.0
C.V. (%)	11.2	6.3	15.3	10.8	64.4	5.1	15.5	15.1	17.6	23.5	12.2	16.9	12.9

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 WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT COLUMBIA, MO 1/
2020 DATA

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

NAME	SPRING	PERCENT	GROUND COVER	COLOR	COLOR	SPRING	QUALITY RATINGS								MEAN
	GREENUP	SPRING	SUMMER	OCTOBER	NOVEMBER	COLOR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
OKC3920	7.0	73.3	91.7	8.0	7.0	5.3	6.0	6.0	6.7	6.7	7.0	7.0	7.3	7.0	6.7
OKC0805	7.0	75.0	91.7	5.0	4.0	5.7	6.0	7.0	6.7	7.0	6.3	7.0	6.7	5.7	6.5
TAHOMA 31	5.3	76.7	98.7	6.7	3.0	4.7	5.3	6.0	7.0	7.3	7.0	5.3	6.3	5.7	6.3
UGA 16-1105	6.7	80.0	91.7	6.7	6.3	4.0	6.7	6.0	6.3	6.7	6.0	6.3	6.3	6.0	6.3
MSB-1050	6.0	58.3	89.7	4.7	6.0	7.0	5.3	5.7	6.7	6.3	7.0	6.7	5.7	6.0	6.2
SEASTAR	6.0	86.7	90.0	7.3	6.0	4.3	6.7	5.7	6.3	6.0	6.3	6.0	6.3	6.0	6.2
TIFEAGLE	5.0	86.7	93.0	5.0	3.3	4.0	6.3	6.3	5.7	6.7	6.3	5.7	5.7	6.0	6.1
DALZ 1814	6.3	58.3	51.7	5.7	3.7	5.0	5.7	5.0	6.7	4.7	5.3	5.7	5.7	6.3	5.6
OKC0920	6.7	43.3	78.3	6.0	3.7	5.0	4.3	4.7	5.3	5.0	6.0	7.3	5.0	6.0	5.5
UGA 17-653	6.0	73.3	81.7	6.0	3.3	5.3	6.0	5.0	5.3	5.3	6.0	5.7	5.7	4.3	5.4
MINI-VERDE	5.7	65.0	83.3	3.0	2.3	5.7	5.3	5.7	5.3	5.7	4.7	4.3	5.0	5.7	5.2
UGA 17-622	7.0	65.0	76.7	6.0	4.7	5.0	5.7	4.7	5.0	5.0	5.7	5.3	5.7	4.7	5.2
TIFDWARF	5.3	48.3	71.7	4.7	2.7	7.0	4.0	4.0	5.0	4.3	5.0	4.3	5.7	5.3	4.7
FB 1901	3.3	35.0	56.7	4.0	2.0	6.0	3.0	3.0	4.0	3.7	3.7	3.7	5.0	4.7	3.8
DIAMOND	2.3	11.7	33.3	2.7	3.3	2.0	2.0	2.0	4.7	3.7	3.0	3.7	3.0	4.3	3.3
FZ 1710	2.7	20.0	31.7	5.0	4.0	2.3	2.3	2.0	4.3	3.7	2.7	5.0	3.7	3.0	3.3
DALZ 1815	3.0	16.7	30.0	2.3	1.3	2.0	2.3	1.7	3.7	3.3	3.0	4.3	2.3	2.3	2.9
FZ 1717	2.0	13.3	23.3	3.3	3.0	1.7	1.7	1.7	3.3	2.7	2.0	3.7	2.3	2.3	2.5
FZ 1714	3.3	15.0	11.7	3.7	2.3	1.3	2.7	1.0	2.3	1.0	1.7	4.7	3.0	2.7	2.4
LSD VALUE	1.4	19.2	14.5	1.5	2.4	1.3	1.4	1.1	1.3	1.4	1.1	1.6	1.0	1.1	0.8
C.V. (%)	18.2	23.8	14.4	18.5	36.1	19.3	19.5	16.6	15.7	18.4	14.9	17.6	13.5	14.0	11.1

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

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

TABLE 6.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT MISS. ST., MS 1/
2020 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	PERCENT GROUND COVER SPRING	COLOR NOVEMBER	MAY	JUN	JUL	QUALITY RATINGS				MEAN
									AUG	SEP	OCT	NOV	
DALZ 1815	6.0	9.0	8	89.7	7.0	5.7	5.7	6.0	6.3	6.3	6.0	6.0	6.0
MSB-1050	7.7	9.0	8	99.0	4.7	7.0	7.0	6.7	6.7	5.7	5.0	4.0	6.0
SEASTAR	5.0	9.0	7	40.0	3.7	5.0	5.3	6.0	6.3	6.3	6.3	5.3	5.8
FZ 1714	6.0	8.3	7	76.7	7.3	5.3	5.3	5.3	5.7	6.0	6.0	6.3	5.7
DALZ 1814	7.0	8.3	7	70.0	6.7	4.3	4.7	5.3	6.7	6.0	6.3	6.0	5.6
DIAMOND	6.0	8.3	8	96.0	6.3	5.7	5.7	5.7	5.7	5.3	5.0	5.7	5.5
UGA 17-653	7.0	9.0	8	48.3	3.3	5.0	5.3	5.7	5.3	5.7	6.3	4.7	5.4
FZ 1710	6.0	8.3	8	79.7	7.0	4.3	5.0	5.0	5.3	5.7	6.0	6.0	5.3
FZ 1717	6.0	8.3	7	76.7	7.0	4.3	5.0	4.7	5.3	5.7	6.0	6.0	5.3
UGA 16-1105	6.0	9.0	7	31.7	3.7	4.3	5.0	5.3	5.3	5.7	5.7	4.3	5.1
UGA 17-622	6.0	9.0	8	40.0	3.0	4.3	5.0	5.3	4.7	5.3	5.7	4.3	5.0
MINI-VERDE	6.0	6.3	8	76.7	4.7	5.7	6.0	6.0	4.0	3.7	3.7	3.7	4.7
OKC0805	6.0	7.0	7	79.7	4.0	5.7	5.7	5.7	4.0	4.0	4.0	3.7	4.7
TAHOMA 31	6.3	9.0	8	96.0	4.7	5.0	5.3	5.3	4.3	4.0	4.0	4.0	4.6
TIFEAGLE	6.3	8.3	7	99.0	5.0	5.7	5.7	5.7	3.7	3.7	4.0	4.0	4.6
OKC0920	5.7	7.0	7	93.0	5.0	5.3	5.3	5.3	4.0	3.7	3.3	3.3	4.3
FB 1901	6.3	7.3	7	53.3	4.3	5.3	5.3	5.3	3.7	3.3	3.3	3.0	4.2
TIFDWARF	5.0	7.7	7	96.0	4.3	5.0	5.3	5.3	3.3	3.3	3.7	3.7	4.2
OKC3920	6.0	8.7	8	73.0	4.0	4.7	5.3	5.3	3.3	3.3	2.7	2.7	3.9
LSD VALUE	0.4	1.4	0	31.3	1.4	2.5	2.0	1.5	1.0	0.8	1.0	1.3	0.8
C.V. (%)	4.8	9.3	0	24.6	17.8	19.2	13.8	10.9	13.0	10.2	12.7	17.5	9.6

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 6.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT MISS. ST., MS 1/
2020 DATA

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

NAME	8/2	PERCENT ESTABLISHMENT AUGUST 2019-APRIL 2020					BALL ROLL DATA FROM JULY-OCTOBER			
		8/23	SEPTEMBER	OCTOBER	MARCH	APRIL	JULY	AUGUST	SEPTEMBER	OCTOBER
DALZ 1815	23.3	50.0	73.3	93.0	89.7	89.7	56.7	74.3	74.0	58.0
MSB-1050	30.0	89.3	99.0	99.0	99.0	99.0	75.0	.	.	69.3
SEASTAR	16.7	40.0	56.7	79.3	33.3	53.0	58.3	95.3	96.7	71.0
FZ 1714	13.3	30.0	50.0	66.7	66.7	76.7	75.0	83.3	85.3	70.7
DALZ 1814	16.7	43.3	56.7	76.7	76.7	70.0	63.0	82.0	84.7	71.3
DIAMOND	23.3	46.7	63.3	92.7	92.7	96.0	50.7	69.7	71.0	55.0
UGA 17-653	20.0	46.7	63.3	76.0	35.0	48.3	52.7	88.7	88.7	52.7
FZ 1710	20.0	43.3	60.0	80.0	80.0	79.7	73.0	100.3	96.0	76.7
FZ 1717	13.3	36.7	50.0	70.0	70.0	76.7	77.7	75.3	77.3	81.7
UGA 16-1105	16.7	48.3	60.0	74.3	18.3	31.7	60.7	103.7	105.3	60.3
UGA 17-622	16.7	40.0	53.3	76.0	30.0	40.0	58.0	99.3	98.7	58.3
MINI-VERDE	16.7	36.7	60.0	76.7	76.7	83.3	88.0	.	.	81.0
OKC0805	16.7	36.7	53.3	66.7	66.7	79.7	60.7	.	.	73.0
TAHOMA 31	20.0	76.7	99.0	92.7	92.7	96.0	63.7	.	.	73.3
TIFEAGLE	20.0	53.3	73.3	96.0	96.0	99.0	90.0	.	.	84.0
OKC0920	20.0	43.3	66.7	99.0	99.0	93.0	65.3	.	.	64.0
FB 1901	13.3	30.0	40.0	46.7	46.7	53.3	89.7	.	.	.
TIFDWARF	20.0	40.0	76.7	92.7	92.7	96.0	86.3	.	.	.
OKC3920	20.0	36.7	60.0	66.3	66.3	73.0	80.0	.	.	.
LSD VALUE	10.3	32.1	44.8	67.6	31.1	36.6	10.8	22.2	23.0	35.1
C.V. (%)	25.8	35.4	30.8	29.3	27.0	26.6	10.0	13.2	13.2	18.5

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

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

TABLE 7.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT LAS CRUCES, NM 1/
2020 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL MEASURED IN INCHES

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT GROUND COVER		SEEDHEAD	APR	MAY	QUALITY RATINGS				MEAN
			SUMMER	FALL				JUN	JUL	AUG	SEP	
SEASTAR	8.0	7.7	99.0	87.0	9.0	3.7	6.7	7.7	7.3	6.0	5.7	6.2
TAHOMA 31	7.3	8.7	97.0	48.7	6.0	5.7	7.7	6.7	7.7	4.3	5.0	6.2
UGA 16-1105	8.7	6.3	99.0	90.0	9.0	3.7	5.0	7.7	8.0	7.0	5.3	6.1
UGA 17-653	8.0	5.7	99.0	89.7	9.0	4.0	5.0	7.3	7.7	6.3	5.7	6.0
FZ 1710	8.0	5.3	98.0	64.0	9.0	3.7	5.7	7.0	9.0	5.3	4.7	5.9
DALZ 1815	7.3	3.7	95.3	88.0	9.0	4.3	5.7	5.7	6.7	6.3	6.0	5.8
OKC0920	6.0	6.0	91.7	87.7	6.7	4.7	6.7	5.7	6.7	5.3	6.0	5.8
TIFEAGLE	6.0	5.3	89.0	68.3	9.0	3.7	6.0	7.0	5.7	7.0	5.7	5.8
UGA 17-622	8.7	5.3	99.0	92.3	9.0	3.3	4.7	6.7	7.7	6.7	6.0	5.8
MSB-1050	8.7	5.0	99.0	6.0	9.0	4.3	5.3	8.0	8.0	5.3	2.7	5.6
OKC0805	6.3	4.0	87.0	50.7	6.0	5.3	5.3	6.7	7.0	4.7	4.7	5.6
OKC3920	7.0	5.7	98.7	27.7	5.0	5.0	5.7	6.7	7.7	4.3	3.7	5.5
TIFDWARF	5.3	2.3	54.0	82.3	6.3	4.0	5.0	5.7	5.0	7.3	5.7	5.4
FZ 1714	7.3	5.7	98.7	76.7	9.0	3.0	4.7	5.3	8.3	5.3	5.0	5.3
DALZ 1814	7.0	4.0	98.7	77.3	9.0	2.7	4.7	5.0	8.0	6.0	5.0	5.2
MINI-VERDE	6.0	2.7	76.0	75.3	9.0	3.0	4.7	5.7	5.0	7.3	5.7	5.2
FZ 1717	7.7	6.0	98.3	66.0	9.0	3.0	4.3	5.7	7.3	4.7	5.0	5.0
DIAMOND	8.0	6.3	98.3	72.0	9.0	3.0	4.0	6.0	7.7	4.7	4.0	4.9
FB 1901	5.0	2.3	59.3	61.7	9.0	2.0	4.7	5.7	5.0	7.0	5.3	4.9
LSD VALUE	0.6	2.1	5.9	19.2	1.1	1.1	0.9	1.6	0.9	1.2	1.2	0.4
C.V. (%)	5.5	24.5	4.3	17.9	8.6	17.9	11.1	13.4	7.8	12.8	13.7	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 7.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT LAS CRUCES, NM 1/
2020 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL MEASURED IN INCHES

NAME	BALL ROLL DATA		PERCENT ESTABLISHMENT JULY 1-SEPTEMBER 30, 2019						
	JULY	AUGUST	7/1	7/15	7/29	8/1	8/29	9/18	9/30
SEASTAR	135.3	88.0	7.0	70.3	96.0	96.7	99.0	98.3	98.7
TAHOMA 31	103.7	120.0	2.7	43.0	97.7	98.3	99.0	97.7	98.0
UGA 16-1105	130.3	96.0	6.0	71.3	97.3	96.7	98.7	98.7	98.7
UGA 17-653	132.0	93.0	7.3	81.3	99.0	96.0	98.7	99.0	99.0
FZ 1710	140.7	87.3	2.7	4.7	15.3	48.3	65.7	78.3	67.0
DALZ 1815	121.0	82.3	2.0	8.0	16.7	54.3	74.0	75.0	63.3
OKC0920	94.3	115.0	7.0	26.3	93.0	98.0	99.0	91.3	98.7
TIFEAGLE	117.3	122.3	1.7	56.0	95.7	94.3	94.7	96.0	95.0
UGA 17-622	123.7	82.0	7.0	75.3	99.0	96.3	99.0	99.0	99.0
MSB-1050	97.7	128.7	1.7	52.0	92.0	94.7	96.7	96.3	97.0
OKC0805	124.0	112.0	8.7	70.3	98.0	97.0	97.3	99.0	99.0
OKC3920	128.0	105.3	4.0	43.0	96.7	97.0	98.7	98.7	99.0
TIFDWARF	120.0	107.7	6.0	42.0	93.0	92.3	90.3	92.0	92.7
FZ 1714	117.3	104.3	8.7	5.3	14.0	37.7	63.0	88.0	63.0
DALZ 1814	133.7	95.3	2.3	8.3	26.0	67.3	82.0	88.7	59.0
MINI-VERDE	124.3	123.7	7.0	36.7	82.0	91.3	86.0	89.0	93.0
FZ 1717	140.3	85.7	3.0	8.3	17.0	54.7	69.7	83.3	58.7
DIAMOND	102.0	80.7	3.0	7.7	21.0	47.3	70.3	84.7	66.0
FB 1901	128.0	112.7	15.0	69.3	93.7	97.7	90.3	89.3	96.7
LSD VALUE	41.1	21.1	19.1	12.1	5.9	8.7	9.4	14.7	19.9
C.V. (%)	14.7	12.2	115.1	19.8	5.7	7.1	7.0	8.4	14.0

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

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

TABLE 8.

PERCENT ESTABLISHMENT RATINGS OF WARM-SEASON CULTIVARS IN THE
2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT STILLWATER, OK 1/
2020 DATA

PERCENT ESTABLISHMENT MAY-SEPTEMBER					
NAME	5/1	6/1	7/13	9/29	MEAN
TAHOMA 31	73.3	84.0	99.0	93.3	87.4
MSB-1050	59.3	75.0	93.7	91.0	79.8
OKC3920	43.3	63.3	94.7	88.3	72.4
OKC0805	43.3	59.0	86.7	86.3	68.8
UGA 16-1105	43.3	59.3	91.7	70.0	66.1
UGA 17-653	30.0	50.0	82.3	78.3	60.2
FB 1901	26.5	45.0	66.7	78.3	55.1
TIFEAGLE	28.3	44.0	68.7	78.3	54.8
UGA 17-622	14.3	40.7	59.3	70.0	45.0
OKC0920	32.5	38.5	45.0	68.3	43.9
SEASTAR	29.7	34.7	46.3	62.5	43.8
TIFDWARF	18.3	30.0	43.3	75.0	41.7
DIAMOND	12.3	35.7	51.7	59.3	39.8
FZ 1710	14.0	27.3	41.7	63.3	36.6
FZ 1714	6.7	22.3	38.3	64.0	31.2
FZ 1717	11.0	27.3	37.3	47.5	30.5
MINI-VERDE	7.0	17.3	27.3	53.3	26.3
DALZ 1814	6.5	20.0	36.0	27.5	24.4
DALZ 1815	5.0	22.0	42.5	24.0	23.7
LSD VALUE	15.3	26.9	43.3	27.9	18.5
C.V. (%)	34.5	35.6	36.8	21.1	23.9

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 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF WARM-SEASON CULTIVARS IN THE 2019 NATIONAL WARM-SEASON PUTTING GREEN TEST AT COLLEGE STATION, TX 1/ 2020 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/									
	GENETIC COLOR	LEAF TEXTURE	MAY	JUN	QUALITY RATINGS					MEAN
					JUL	AUG	SEP	OCT	NOV	
MSB-1050	7.7	7.7	6.3	6.7	7.0	6.7	7.0	7.0	7.0	6.8
FZ 1710	8.0	7.7	6.0	5.0	6.7	7.3	7.0	7.7	7.3	6.7
SEASTAR	7.0	6.7	6.3	6.3	6.7	7.0	6.3	7.0	7.0	6.7
OKC0805	6.0	7.0	6.0	6.3	6.7	6.7	6.7	6.7	7.0	6.6
FZ 1717	7.7	7.0	6.0	5.0	6.3	7.3	7.0	7.0	7.0	6.5
OKC3920	7.3	6.3	6.0	6.3	6.3	6.7	6.7	6.7	7.0	6.5
TIFEAGLE	7.0	6.7	5.7	6.0	6.7	7.0	6.3	6.7	7.3	6.5
FZ 1714	7.0	7.0	6.0	5.3	6.7	7.0	6.7	6.7	6.7	6.4
OKC0920	7.0	6.3	6.7	6.3	6.3	6.3	6.7	6.0	6.7	6.4
TAHOMA 31	7.0	6.0	6.0	6.3	6.3	6.7	6.7	6.0	6.7	6.4
UGA 16-1105	7.3	6.7	6.3	6.3	6.0	6.0	6.7	6.3	7.0	6.4
DALZ 1815	7.7	7.3	5.7	5.0	6.3	6.7	6.0	6.7	7.3	6.2
DIAMOND	7.3	6.7	6.0	5.0	6.0	6.7	6.3	6.7	7.0	6.2
MINI-VERDE	6.3	7.0	5.3	6.0	6.3	7.0	5.7	6.0	7.0	6.2
UGA 17-622	6.7	6.0	6.7	6.3	6.3	6.0	6.0	6.0	6.3	6.2
UGA 17-653	6.7	6.7	6.7	5.7	6.0	6.0	7.0	6.0	6.0	6.2
DALZ 1814	7.0	6.0	6.0	5.0	6.3	6.3	6.0	6.3	6.7	6.1
FB 1901	7.0	7.0	5.7	5.7	6.3	6.3	5.7	7.0	6.0	6.1
TIFDWARF	6.3	7.3	5.7	5.7	6.7	6.3	5.3	6.7	6.7	6.1
LSD VALUE	0.9	1.3	1.3	0.7	1.9	2.0	1.0	0.7	1.4	0.5
C.V. (%)	6.9	8.8	8.7	7.2	9.0	10.4	8.0	6.2	8.2	3.7

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.