

TABLE 1.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT AUBURN, AL 1/
2019-2020 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	WINTER COLOR 2019	WINTER COLOR NOV 2020	QUALITY RATINGS					MEAN
						MAY	JUN	JUL	AUG	SEP	
FZ 1727	6.0	4.7	6.7	2.7	5.3	7.3	6.3	7.3	6.3	7.0	6.9
16-TZ-13463	7.7	2.7	5.3	3.3	7.0	5.7	5.3	5.3	7.3	8.0	6.3
FAES 1319	5.3	7.3	2.7	3.3	5.7	6.0	6.7	7.7	5.3	5.7	6.3
FZ 1436	7.7	4.7	7.3	3.3	6.3	6.7	6.0	7.0	5.3	6.7	6.3
FZ 1440	5.0	4.7	6.7	3.7	6.7	6.3	6.3	6.7	5.7	6.7	6.3
DALZ 1408	6.3	5.7	7.0	4.7	6.0	6.0	5.3	6.0	5.3	6.0	5.7
EMERALD	6.0	5.0	5.3	3.7	6.0	5.3	5.3	6.7	5.3	6.0	5.7
16-TZ-12783	5.3	4.3	2.7	3.7	4.7	4.7	5.3	5.3	6.0	6.0	5.5
DALZ 1713	6.0	5.0	3.7	5.7	6.0	5.0	5.3	6.0	5.7	5.7	5.5
DALZ 1808	4.7	4.7	3.3	2.7	4.0	6.3	5.0	6.3	5.7	4.3	5.5
FZ 1367	7.0	4.3	7.3	2.7	5.3	6.0	5.0	5.3	5.0	5.7	5.4
FZ 1722	4.7	6.0	5.7	4.3	6.0	4.0	3.7	6.3	6.7	6.3	5.4
DALZ 1613	5.0	4.0	4.3	4.3	6.7	4.3	5.0	5.0	6.3	6.0	5.3
ZEON	6.3	6.0	6.7	4.0	6.3	4.7	4.0	5.7	6.3	6.0	5.3
FZ 1732	6.0	3.7	6.3	5.3	5.7	5.7	5.7	5.0	4.7	5.0	5.2
15-TZ-11715	7.0	3.0	6.0	1.7	4.3	5.0	5.7	5.0	4.3	5.7	5.1
DALZ 1701	7.0	6.7	4.0	3.3	4.7	5.0	5.3	4.7	5.3	5.0	5.1
FAES 1335	5.7	3.7	4.7	5.0	5.0	5.0	4.3	5.3	5.3	5.3	5.1
DALZ 1802	8.7	5.0	9.0	4.7	6.3	4.3	4.0	5.3	5.3	6.0	5.0
FZ 1368	7.3	4.7	6.3	4.3	6.0	4.7	4.3	5.3	5.0	5.7	5.0
FZ 1721	5.7	5.0	7.7	4.7	6.0	4.7	4.0	5.0	5.0	6.3	5.0
EMPIRE	7.3	4.3	8.3	5.0	5.0	4.7	3.3	6.0	5.7	5.0	4.9
FZ 1422	6.3	4.7	4.3	2.3	4.0	5.7	5.3	4.7	4.3	4.7	4.9
DALZ 1707	6.0	5.7	2.7	4.0	4.3	4.3	5.0	5.0	4.7	5.0	4.8
DALZ 1806	7.7	6.3	8.0	6.0	6.0	4.3	4.0	4.3	5.7	5.7	4.8
FZ 1410	5.3	3.3	1.3	1.7	3.3	6.3	4.7	3.7	5.3	3.7	4.7
UGA GZ 17-4	4.7	3.3	1.3	2.3	4.3	5.7	4.7	4.0	4.3	4.3	4.6
DALZ 1714	7.7	7.0	3.7	6.3	5.0	3.3	4.3	4.0	5.0	5.7	4.5
FZ 1327	5.3	5.0	1.7	3.0	4.3	6.0	4.0	4.7	4.0	3.7	4.5
DALZ 1311	5.0	4.3	1.3	2.7	4.0	4.7	4.0	4.3	4.7	4.3	4.4
DALZ 1409	8.3	5.0	7.7	4.3	4.7	3.7	4.0	5.3	5.3	3.7	4.4
DALZ 1614	5.0	5.3	5.0	3.0	4.7	5.3	4.3	4.7	3.7	3.7	4.3
DALZ 1603	5.7	3.7	1.3	2.7	3.3	4.7	4.0	3.7	5.0	3.7	4.2
FZ 1723	4.0	3.7	5.7	1.3	4.3	4.3	2.7	5.3	3.7	4.3	4.1
FZ 1407	5.7	5.3	1.0	3.3	3.7	4.7	4.3	4.7	3.3	3.0	4.0
DALZ 1601	5.0	4.7	1.0	2.7	3.0	5.3	3.3	2.7	4.0	3.7	3.8
FZ 1728	6.3	4.0	7.7	2.0	4.7	3.3	3.3	2.7	3.7	3.7	3.3
MEYER	6.0	2.3	3.0	1.3	2.7	3.3	3.0	3.3	3.7	3.3	3.3
DALZ 1807	7.7	5.0	9.0	3.3	5.3	3.3	2.0	2.0	3.7	2.7	2.7
LSD VALUE	1.8	1.2	0.8	1.4	2.1	1.7	1.3	2.0	3.5	1.9	1.4
C.V. (%)	16.8	16.8	11.6	24.5	22.4	18.9	17.9	23.1	26.5	21.8	16.7

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 1.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT AUBURN, AL 1/
2019-2020 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
PERCENT ESTABLISHMENT 2019-2020

NAME	2019	MARCH 2020	APRIL 2020	JUNE 2020	JULY 2020	AUGUST 2020	NOV 2020
FZ 1727	66.7	60.0	96.0	99.0	99.0	99.0	99.0
16-TZ-13463	46.7	66.7	93.0	99.0	99.0	99.0	99.0
FAES 1319	46.7	66.7	83.3	96.0	99.0	99.0	99.0
FZ 1436	63.0	70.0	86.7	99.0	99.0	99.0	99.0
FZ 1440	60.0	66.7	83.3	99.0	99.0	99.0	99.0
DALZ 1408	15.0	36.7	56.7	93.0	99.0	99.0	99.0
EMERALD	30.0	33.3	63.3	96.0	99.0	99.0	99.0
16-TZ-12783	66.7	66.7	83.0	99.0	99.0	99.0	99.0
DALZ 1713	20.0	36.7	66.7	79.7	86.3	89.7	96.0
DALZ 1808	33.3	46.7	66.3	96.0	99.0	99.0	99.0
FZ 1367	46.7	60.0	83.3	93.0	99.0	99.0	99.0
FZ 1722	43.3	30.0	46.7	86.7	96.0	99.0	99.0
DALZ 1613	60.0	60.0	83.3	96.0	96.0	99.0	99.0
ZEON	23.3	30.0	56.7	92.7	96.0	96.0	96.0
FZ 1732	56.7	70.0	80.0	99.0	99.0	99.0	99.0
15-TZ-11715	23.3	50.0	66.7	99.0	99.0	99.0	99.0
DALZ 1701	43.3	36.7	70.0	96.0	99.0	99.0	99.0
FAES 1335	36.7	56.7	73.3	96.0	99.0	99.0	99.0
DALZ 1802	13.3	13.3	36.7	83.3	86.7	96.0	99.0
FZ 1368	26.7	40.0	40.0	89.7	99.0	99.0	99.0
FZ 1721	18.3	26.7	46.7	80.0	86.3	96.0	99.0
EMPIRE	15.0	26.7	43.3	80.0	83.3	92.7	96.0
FZ 1422	40.0	46.7	76.7	96.0	96.0	99.0	99.0
DALZ 1707	23.3	33.3	56.7	80.0	89.3	96.0	96.0
DALZ 1806	10.0	13.3	20.0	70.0	80.0	89.7	96.0
FZ 1410	63.3	66.7	86.3	93.0	99.0	99.0	99.0
UGA GZ 17-4	50.0	53.3	60.0	96.0	99.0	99.0	99.0
DALZ 1714	26.7	26.7	33.3	83.3	92.7	96.0	96.0
FZ 1327	50.0	60.0	86.3	96.0	99.0	99.0	99.0
DALZ 1311	20.0	23.3	40.0	83.3	92.7	96.0	96.0
DALZ 1409	20.0	20.0	26.7	73.3	86.0	89.3	92.7
DALZ 1614	33.3	30.0	60.0	92.7	99.0	99.0	99.0
DALZ 1603	35.0	43.3	76.7	89.7	96.0	99.0	99.0
FZ 1723	43.3	46.7	56.7	96.0	99.0	99.0	99.0
FZ 1407	60.0	53.3	69.7	93.0	99.0	99.0	99.0
DALZ 1601	28.3	26.7	56.7	89.3	96.0	99.0	99.0
FZ 1728	20.0	23.3	30.0	73.3	83.0	89.7	96.0
MEYER	15.0	13.3	33.3	70.0	73.3	79.7	86.3
DALZ 1807	5.0	13.3	20.0	73.0	76.3	83.0	89.7
LSD VALUE	28.1	24.8	23.7	17.2	15.0	13.0	10.2
C.V. (%)	45.7	35.7	24.5	10.5	8.4	6.1	4.0

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.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT FAYETTEVILLE, AR 1/
2020 DATA

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

NAME	GENETIC	SPRING	LEAF	PERCENT GROUND COVER		COLOR	QUALITY RATINGS				MEAN
	COLOR	GREENUP	TEXTURE	SPRING	FALL	OCTOBER	JUN	JUL	AUG	SEP	
DALZ 1806	7.3	7.3	8.3	80.0	10.0	7.3	7.0	8.3	8.0	8.3	7.9
DALZ 1802	7.7	4.0	9.0	66.7	11.7	8.3	6.7	7.7	8.3	8.3	7.8
FZ 1436	7.7	5.3	8.0	71.7	18.3	8.3	7.0	8.0	8.0	8.0	7.8
FZ 1440	7.3	6.7	8.3	70.0	10.0	8.7	7.3	7.7	8.0	7.7	7.7
FZ 1727	7.0	8.0	7.0	86.7	20.0	7.0	7.0	7.3	8.3	8.0	7.7
UGA GZ 17-4	6.7	7.0	8.7	75.0	11.7	7.7	6.3	7.7	8.0	8.3	7.6
DALZ 1408	7.0	4.0	7.7	60.0	13.3	8.0	6.7	8.0	7.3	8.0	7.5
FZ 1732	7.3	7.3	6.3	83.3	18.3	7.0	6.7	7.7	7.3	8.3	7.5
FZ 1722	7.3	7.7	6.7	85.0	10.0	7.0	7.0	8.0	7.3	7.3	7.4
ZEON	6.7	7.7	6.3	83.3	21.7	7.7	7.0	7.3	7.3	8.0	7.4
DALZ 1409	7.7	7.3	8.0	78.3	13.3	7.0	6.3	8.0	7.0	7.7	7.3
DALZ 1807	7.7	2.3	9.0	43.3	9.0	7.3	7.0	6.7	7.7	8.0	7.3
FZ 1367	6.3	6.0	8.0	73.3	15.0	8.0	7.0	7.3	7.3	7.7	7.3
DALZ 1614	7.3	8.7	6.0	90.0	20.0	7.7	7.7	7.0	7.0	7.0	7.2
EMERALD	7.0	8.3	6.3	90.0	13.3	7.0	7.0	7.0	7.3	7.3	7.2
FZ 1728	6.7	6.7	8.3	80.0	8.3	7.7	6.7	7.0	6.7	8.0	7.1
16-TZ-13463	7.3	8.0	7.0	88.3	18.3	6.7	6.3	7.0	7.0	7.7	7.0
DALZ 1613	6.3	8.0	5.7	86.7	11.7	7.7	7.0	7.0	7.0	7.0	7.0
DALZ 1713	7.0	5.7	6.7	73.3	10.0	6.7	7.7	6.7	7.0	6.7	7.0
FAES 1335	6.7	5.3	6.7	73.3	11.7	8.0	7.0	7.3	7.0	7.0	7.0
FZ 1723	6.0	8.3	7.0	80.0	11.7	7.3	7.0	6.3	7.3	7.3	7.0
16-TZ-12783	7.3	6.0	6.0	85.0	18.3	5.7	7.0	7.0	7.3	6.3	6.9
FZ 1368	7.3	1.3	8.0	36.7	9.3	6.7	5.7	7.0	7.3	7.7	6.9
FZ 1721	7.0	4.3	7.7	40.0	15.0	7.7	5.3	7.0	7.7	7.7	6.9
15-TZ-11715	5.7	7.3	5.7	85.0	30.0	6.7	6.3	7.0	7.3	6.3	6.8
FZ 1422	7.3	8.0	6.0	86.7	13.3	5.7	7.0	7.3	6.3	6.3	6.8
DALZ 1707	6.0	8.7	5.0	88.3	20.0	7.0	7.0	6.7	6.7	6.3	6.7
DALZ 1714	7.0	2.7	5.7	41.7	16.7	6.0	6.7	7.7	6.3	6.0	6.7
FAES 1319	6.0	8.3	5.0	88.3	15.0	5.0	7.7	6.3	6.3	6.3	6.7
DALZ 1701	6.7	8.3	5.7	90.0	13.3	6.7	6.7	6.3	6.3	6.7	6.5
DALZ 1808	5.0	8.3	5.3	86.7	13.3	6.0	6.3	6.3	6.3	6.0	6.3
MEYER	6.7	8.3	5.0	86.7	13.3	4.7	6.0	6.0	7.3	5.7	6.3
DALZ 1603	5.0	8.3	4.0	90.0	18.3	5.3	8.0	5.0	6.0	5.7	6.2
DALZ 1311	5.7	8.3	4.0	86.7	13.3	5.0	7.3	5.7	5.7	5.7	6.1
FZ 1327	6.0	8.0	4.0	88.3	11.7	5.3	6.3	6.0	6.0	6.0	6.1
DALZ 1601	5.7	8.3	4.3	86.7	16.7	5.3	7.0	5.7	5.7	5.7	6.0
EMPIRE	5.7	8.0	4.0	83.3	21.7	5.3	7.7	5.7	5.3	5.3	6.0
FZ 1410	5.7	8.0	4.0	90.0	20.0	5.0	7.3	5.7	5.7	5.0	5.9
FZ 1407	5.7	8.3	3.7	85.0	10.0	5.3	6.3	5.7	5.0	6.0	5.8
LSD VALUE	1.3	1.4	0.9	11.0	12.1	1.3	1.3	0.9	1.0	1.0	0.6
C.V. (%)	11.4	13.4	9.6	9.4	38.4	11.8	9.5	8.3	9.1	8.8	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 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT RIVERSIDE, CA 1/
2020 DATA

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

NAME	WINTER COLOR PERCENT ESTABLISHMENT FROM SEPTEMBER-DECEMBER					QUALITY
	DECEMBER	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
DALZ 1802	7.3	20.0	26.7	43.3	48.3	6.3
DALZ 1408	6.7	26.7	36.7	53.3	60.0	6.0
DALZ 1806	7.0	20.0	30.0	46.7	53.3	6.0
DALZ 1807	6.7	13.3	21.7	26.7	36.7	6.0
FZ 1727	6.3	43.3	53.3	58.3	66.7	6.0
DALZ 1614	5.7	33.3	38.3	53.3	50.0	5.3
DALZ 1713	6.0	26.7	33.3	41.7	53.3	5.3
DALZ 1714	5.0	25.0	33.3	48.3	53.3	5.3
FAES 1335	6.7	41.7	51.7	63.3	68.3	5.3
FZ 1367	6.0	43.3	50.0	65.0	66.7	5.3
FZ 1368	5.7	25.0	30.0	41.7	48.3	5.3
FZ 1436	6.7	33.3	43.3	55.0	63.3	5.3
FZ 1440	5.0	43.3	48.3	68.3	71.7	5.3
UGA GZ 17-4	5.7	30.0	38.3	51.7	58.3	5.3
DALZ 1409	5.7	20.0	33.3	38.3	50.0	5.0
FAES 1319	5.7	45.0	51.7	61.7	63.3	5.0
FZ 1721	5.3	21.7	31.7	41.7	50.0	5.0
ZEON	6.0	51.7	58.3	71.7	71.7	5.0
15-TZ-11715	4.0	33.3	40.0	53.3	65.0	4.7
DALZ 1601	4.7	35.0	45.0	60.0	66.7	4.7
DALZ 1603	4.7	48.3	58.3	66.7	71.7	4.7
DALZ 1613	5.0	25.0	36.7	60.0	58.3	4.7
DALZ 1701	3.3	35.0	38.3	51.7	46.7	4.7
FZ 1722	5.3	40.0	45.0	51.7	60.0	4.7
FZ 1728	6.0	25.0	33.3	48.3	51.7	4.7
FZ 1732	5.7	30.0	38.3	58.3	63.3	4.7
16-TZ-13463	4.3	30.0	41.7	55.0	60.0	4.3
DALZ 1808	3.7	41.7	45.0	60.0	65.0	4.3
EMERALD	3.7	33.3	45.0	50.0	55.0	4.3
FZ 1422	3.3	35.0	38.3	51.7	61.7	4.3
FZ 1723	5.3	23.3	35.0	43.3	53.3	4.3
16-TZ-12783	4.3	46.7	46.7	55.0	66.7	4.0
DALZ 1311	4.3	46.7	58.3	68.3	68.3	4.0
DALZ 1707	3.0	26.7	38.3	45.0	55.0	4.0
EMPIRE	4.0	60.0	60.0	71.7	70.0	4.0
FZ 1327	3.3	31.7	41.7	56.7	58.3	4.0
FZ 1407	3.7	31.7	40.0	51.7	61.7	4.0
FZ 1410	5.0	55.0	63.3	73.3	71.7	4.0
MEYER	2.0	21.7	28.3	31.7	40.0	3.7
CV	15.6	24.2	17.5	17.5	13.6	11.0
LSD	1.2	13.1	11.6	15.8	13.6	0.9

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

TABLE 3.
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MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT RIVERSIDE, CA 1/
2020 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	ZOYSIA MITES	COLOR							QUALITY RATINGS							MEAN
				NOVEMBER	DECEMBER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DALZ 1802	7.7	9.0	7.0	9.0	8.7	5.7	5.7	6.7	6.7	7.0	7.0	7.0	7.0	7.3	7.7	8.0	7.0	6.9
FAES 1335	5.7	6.0	7.3	8.7	7.3	4.7	4.7	6.3	6.7	7.3	7.3	6.7	7.3	7.0	7.7	7.3	7.3	6.7
DALZ 1408	8.0	7.0	7.3	8.3	6.7	5.7	5.3	7.0	6.0	7.7	7.7	6.7	7.0	7.0	6.0	7.0	6.7	6.6
FZ 1727	7.7	6.7	7.0	8.7	7.3	5.7	5.3	6.7	7.3	7.0	7.3	6.3	7.0	6.0	6.7	7.3	6.7	6.6
DALZ 1806	8.3	7.7	7.3	8.7	7.7	5.7	5.3	6.3	6.3	7.0	7.0	6.3	6.0	6.3	7.3	7.7	6.7	6.5
FZ 1732	6.7	6.7	8.7	8.3	7.3	4.7	5.0	6.7	6.0	7.0	7.0	7.3	7.0	7.0	6.3	7.0	6.7	6.5
FZ 1367	6.7	7.3	8.0	8.3	6.7	5.3	5.3	6.0	6.3	6.7	7.3	6.7	7.0	6.0	6.7	7.3	6.7	6.4
UGA GZ 17-4	6.0	8.0	7.0	8.7	7.7	4.7	5.0	6.3	6.0	7.0	7.0	7.3	6.3	6.0	7.0	7.3	6.7	6.4
ZEON	5.0	6.7	8.3	8.0	5.0	5.0	5.0	7.0	7.0	7.3	7.7	6.0	7.0	6.7	6.3	6.7	5.7	6.4
DALZ 1409	6.3	8.0	7.0	8.7	7.7	5.0	5.3	5.7	6.0	7.0	7.0	7.0	5.7	6.0	6.3	7.7	6.7	6.3
DALZ 1614	6.7	6.0	7.3	8.0	6.7	5.3	5.7	6.3	6.3	6.7	6.7	6.0	6.3	6.3	6.3	7.0	6.7	6.3
FZ 1440	7.7	7.7	7.7	8.3	6.7	5.3	5.3	5.7	6.0	7.0	6.7	6.7	6.7	6.3	6.3	7.0	6.0	6.3
DALZ 1713	6.0	5.7	7.7	8.0	6.7	4.7	4.7	5.7	5.7	7.0	7.0	6.3	6.7	7.0	6.7	7.0	6.0	6.2
FZ 1436	7.0	7.0	7.3	8.0	7.0	5.0	5.0	6.3	6.0	7.0	6.3	6.3	6.7	6.0	6.3	7.0	6.7	6.2
FZ 1728	6.7	8.0	7.7	8.0	6.7	4.3	4.7	6.0	6.0	7.0	6.7	6.3	6.3	6.0	7.0	7.7	6.7	6.2
DALZ 1807	6.0	9.0	6.3	8.7	7.3	5.7	5.3	7.0	6.0	6.3	6.0	6.0	5.7	6.3	5.7	7.3	6.3	6.1
FZ 1368	7.0	7.7	7.7	9.0	7.7	4.7	5.0	6.0	6.0	6.7	6.3	5.7	5.7	5.7	7.0	7.7	6.7	6.1
FZ 1722	7.0	6.7	7.0	8.3	7.3	4.7	4.7	6.0	6.0	6.0	6.3	7.0	6.3	6.3	6.3	6.7	6.7	6.1
DALZ 1613	6.7	6.0	7.7	8.0	6.7	4.3	4.7	5.0	5.0	6.3	6.0	6.3	7.3	6.3	6.7	7.3	6.7	6.0
EMERALD	6.7	6.3	6.3	7.3	5.7	4.3	4.0	6.7	6.0	6.7	6.3	7.3	6.7	6.3	6.0	6.3	5.7	6.0
FZ 1721	7.3	7.3	7.0	8.3	6.3	5.0	4.7	6.7	6.0	6.7	5.7	5.7	5.7	6.3	6.0	7.0	6.3	6.0
FZ 1723	5.3	6.7	7.3	8.0	6.3	4.3	4.7	5.3	6.0	7.0	6.0	5.7	6.7	6.7	6.7	7.0	5.7	6.0
DALZ 1714	6.0	6.0	5.7	8.0	6.0	5.3	5.0	5.0	4.0	5.3	5.3	6.0	6.0	6.7	7.0	8.0	6.7	5.9
FAES 1319	8.0	5.0	6.3	8.3	6.7	4.7	4.7	5.7	5.3	5.7	7.0	6.7	5.3	6.0	6.3	6.7	6.0	5.8
16-TZ-12783	7.7	6.0	7.0	7.7	6.0	4.0	4.0	5.0	5.0	6.0	6.3	6.7	6.3	6.7	6.3	6.0	5.7	5.7
DALZ 1311	7.7	3.7	7.3	7.7	5.0	3.7	4.0	3.3	4.3	6.3	7.0	7.0	7.7	6.3	7.0	6.7	5.3	5.7
DALZ 1603	7.3	3.0	7.0	7.3	5.3	4.3	4.7	5.7	5.3	5.7	7.0	6.0	6.0	5.7	6.3	6.3	5.3	5.7
DALZ 1701	8.3	5.7	7.7	8.3	5.7	4.3	4.0	5.3	5.3	6.0	5.3	6.3	6.3	6.3	6.7	6.7	5.7	5.7
FZ 1410	6.7	3.7	7.7	7.7	4.3	4.0	4.0	5.0	4.7	6.3	6.7	6.3	7.0	6.0	6.7	5.7	5.0	5.6
DALZ 1808	7.0	5.0	6.3	7.3	4.7	4.0	4.3	5.0	4.0	6.0	5.7	6.0	6.3	7.0	6.3	6.0	5.0	5.5
DALZ 1601	7.3	3.7	6.3	7.3	5.7	4.0	3.7	4.0	5.0	6.0	6.0	6.0	7.0	5.7	6.7	5.7	5.0	5.4
EMPIRE	7.0	3.7	7.0	7.7	5.0	4.0	4.3	4.3	4.3	5.3	6.0	6.3	7.0	5.7	6.3	5.7	5.3	5.4
16-TZ-13463	8.0	7.0	6.3	8.0	5.7	3.7	3.7	4.3	4.0	5.3	5.3	6.3	6.0	6.3	6.3	6.3	5.3	5.3
FZ 1327	7.7	4.3	6.7	7.0	5.0	3.7	3.3	4.0	3.7	5.3	6.0	5.7	6.3	6.0	6.3	6.3	5.3	5.2
DALZ 1707	7.0	5.7	5.7	7.0	5.0	3.7	3.7	5.0	4.0	6.0	5.3	5.7	5.3	5.7	6.3	5.7	5.0	5.1
FZ 1422	6.7	5.7	6.3	6.7	4.0	3.3	3.0	5.3	5.0	6.3	6.0	5.7	6.0	5.7	5.3	5.0	4.3	5.1
15-TZ-11715	6.0	5.7	6.0	7.7	5.3	4.3	4.0	5.3	4.7	5.7	5.0	5.0	4.7	5.3	5.7	5.3	4.7	5.0
FZ 1407	7.0	3.3	5.0	7.0	4.7	3.7	3.7	4.0	4.0	5.0	5.3	6.0	6.0	6.0	6.7	5.0	4.0	4.9
MEYER	7.0	6.0	4.7	4.0	2.7	3.3	3.0	4.0	3.7	4.7	4.0	3.3	3.7	4.7	4.0	3.3	2.7	3.7
LSD VALUE	2.0	0.7	1.8	0.9	1.1	0.8	0.8	1.1	1.2	1.3	1.4	1.2	1.6	1.4	1.1	0.9	1.0	0.6
C.V. (%)	13.9	7.5	13.5	7.5	11.3	11.6	11.5	12.8	13.3	11.2	12.3	11.2	13.3	10.7	9.4	8.9	10.5	6.5

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 3.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT RIVERSIDE, CA 1/
2020 DATA

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

NAME	SEEDHEAD		PERCENT ESTABLISHMENT FROM FEBRUARY TO OCTOBER								
	SPRING	FALL	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER
DALZ 1802	9.0	5.3	45.0	58.3	73.3	91.7	93.3	95.0	99.0	99.0	99.0
FAES 1335	5.3	9.0	68.3	83.3	96.3	97.7	99.0	96.3	99.0	99.0	99.0
DALZ 1408	6.0	9.0	63.3	80.0	95.0	97.7	97.7	97.7	99.0	99.0	99.0
FZ 1727	2.7	5.7	68.3	85.0	93.3	96.0	96.0	94.7	97.7	99.0	99.0
DALZ 1806	1.3	4.3	48.3	58.3	75.0	85.0	83.3	86.7	94.7	96.3	96.3
FZ 1732	2.0	7.3	66.7	81.7	88.3	94.7	97.7	97.7	99.0	99.0	99.0
FZ 1367	4.3	7.0	73.3	93.0	97.7	99.0	99.0	99.0	99.0	99.0	99.0
UGA GZ 17-4	4.3	4.7	60.0	78.3	91.7	96.3	97.7	97.7	99.0	99.0	99.0
ZEON	8.7	8.3	70.0	92.7	97.7	97.7	99.0	99.0	99.0	99.0	99.0
DALZ 1409	6.0	7.3	43.3	58.3	76.7	91.7	95.0	95.0	99.0	99.0	99.0
DALZ 1614	3.7	4.7	51.7	63.3	80.0	88.3	90.0	86.7	93.3	97.7	97.7
FZ 1440	4.0	8.0	66.7	93.0	97.7	99.0	99.0	99.0	99.0	99.0	99.0
DALZ 1713	5.3	4.0	56.7	70.0	81.7	96.3	99.0	99.0	99.0	99.0	99.0
FZ 1436	4.7	8.0	65.0	78.3	88.3	95.0	97.7	96.3	99.0	99.0	99.0
FZ 1728	1.7	5.7	56.7	70.0	81.7	93.3	93.0	93.3	99.0	99.0	99.0
DALZ 1807	8.3	7.0	33.3	36.7	53.3	71.7	73.3	78.3	88.3	96.0	94.3
FZ 1368	7.0	7.7	46.7	56.7	75.0	81.7	79.7	89.7	97.7	97.7	97.7
FZ 1722	7.3	5.0	55.0	71.7	83.3	89.7	84.7	91.0	94.3	97.7	96.0
DALZ 1613	5.3	7.0	60.0	75.0	88.3	95.0	96.3	96.3	99.0	99.0	99.0
EMERALD	8.7	8.3	50.0	68.3	88.3	91.7	94.7	96.0	97.7	99.0	99.0
FZ 1721	2.0	7.0	48.3	58.3	73.3	80.0	83.3	85.0	87.7	91.0	89.3
FZ 1723	8.7	8.0	55.0	61.7	76.7	86.7	93.3	91.7	94.3	96.0	97.7
DALZ 1714	3.0	6.7	53.3	65.0	75.0	88.3	78.3	88.3	96.3	99.0	99.0
FAES 1319	6.3	7.3	61.7	78.3	88.0	91.3	93.0	93.0	96.0	97.7	97.7
16-TZ-12783	8.0	8.7	58.3	76.7	89.7	94.7	97.7	97.7	99.0	99.0	99.0
DALZ 1311	7.0	9.0	70.0	88.3	96.3	96.0	94.3	97.7	99.0	99.0	99.0
DALZ 1603	7.0	7.0	66.7	90.0	94.7	97.7	97.7	96.0	97.7	99.0	99.0
DALZ 1701	3.0	6.0	50.0	61.7	80.0	88.3	86.7	90.0	97.7	97.7	97.7
FZ 1410	5.0	9.0	78.3	88.0	99.0	97.7	99.0	99.0	99.0	99.0	99.0
DALZ 1808	8.7	9.0	63.3	78.3	86.7	93.3	97.7	96.3	99.0	99.0	99.0
DALZ 1601	7.3	8.7	66.7	78.3	89.7	91.3	94.7	97.7	99.0	99.0	99.0
EMPIRE	4.0	8.7	68.3	86.3	96.3	96.3	96.3	97.7	99.0	99.0	99.0
16-TZ-13463	8.3	9.0	56.7	75.0	85.0	96.0	86.3	91.3	96.0	99.0	99.0
FZ 1327	8.3	7.0	58.3	66.7	85.0	85.0	86.7	94.7	99.0	99.0	99.0
DALZ 1707	3.7	9.0	50.0	65.0	75.0	81.7	80.0	85.0	90.0	96.0	96.0
FZ 1422	8.0	6.3	55.0	73.3	91.7	94.7	96.0	96.3	99.0	99.0	99.0
15-TZ-11715	8.0	5.0	63.3	75.0	88.3	94.7	92.7	96.0	97.7	99.0	99.0
FZ 1407	7.0	7.7	51.7	66.7	81.7	90.0	85.0	93.3	99.0	99.0	99.0
MEYER	4.3	9.0	36.7	33.3	51.7	61.7	60.0	55.0	63.3	60.0	68.3
LSD VALUE	1.9	2.0	12.6	16.4	13.8	10.4	17.1	15.1	10.6	7.3	9.0
C.V. (%)	22.0	17.1	13.4	14.2	10.0	6.9	10.0	8.8	6.2	4.7	5.2

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 3.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT RIVERSIDE, CA 1/
2019 DATA

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

NAME	COLOR DECEMBER	PERCENT ESTABLISHMENT SEPTEMBER	SEPTEMBER-DECEMBER 2019 OCTOBER	NOVEMBER	DECEMBER	QUALITY
DALZ 1802	7.3	20.0	26.7	43.3	48.3	6.3
DALZ 1408	6.7	26.7	36.7	53.3	60.0	6.0
DALZ 1806	7.0	20.0	30.0	46.7	53.3	6.0
DALZ 1807	6.7	13.3	21.7	26.7	36.7	6.0
FZ 1727	6.3	43.3	53.3	58.3	66.7	6.0
DALZ 1614	5.7	33.3	38.3	53.3	50.0	5.3
DALZ 1713	6.0	26.7	33.3	41.7	53.3	5.3
DALZ 1714	5.0	25.0	33.3	48.3	53.3	5.3
FAES 1335	6.7	41.7	51.7	63.3	68.3	5.3
FZ 1367	6.0	43.3	50.0	65.0	66.7	5.3
FZ 1368	5.7	25.0	30.0	41.7	48.3	5.3
FZ 1436	6.7	33.3	43.3	55.0	63.3	5.3
FZ 1440	5.0	43.3	48.3	68.3	71.7	5.3
UGA GZ 17-4	5.7	30.0	38.3	51.7	58.3	5.3
DALZ 1409	5.7	20.0	33.3	38.3	50.0	5.0
FAES 1319	5.7	45.0	51.7	61.7	63.3	5.0
FZ 1721	5.3	21.7	31.7	41.7	50.0	5.0
ZEON	6.0	51.7	58.3	71.7	71.7	5.0
15-TZ-11715	4.0	33.3	40.0	53.3	65.0	4.7
DALZ 1601	4.7	35.0	45.0	60.0	66.7	4.7
DALZ 1603	4.7	48.3	58.3	66.7	71.7	4.7
DALZ 1613	5.0	25.0	36.7	60.0	58.3	4.7
DALZ 1701	3.3	35.0	38.3	51.7	46.7	4.7
FZ 1722	5.3	40.0	45.0	51.7	60.0	4.7
FZ 1728	6.0	25.0	33.3	48.3	51.7	4.7
FZ 1732	5.7	30.0	38.3	58.3	63.3	4.7
16-TZ-13463	4.3	30.0	41.7	55.0	60.0	4.3
DALZ 1808	3.7	41.7	45.0	60.0	65.0	4.3
EMERALD	3.7	33.3	45.0	50.0	55.0	4.3
FZ 1422	3.3	35.0	38.3	51.7	61.7	4.3
FZ 1723	5.3	23.3	35.0	43.3	53.3	4.3
16-TZ-12783	4.3	46.7	46.7	55.0	66.7	4.0
DALZ 1311	4.3	46.7	58.3	68.3	68.3	4.0
DALZ 1707	3.0	26.7	38.3	45.0	55.0	4.0
EMPIRE	4.0	60.0	60.0	71.7	70.0	4.0
FZ 1327	3.3	31.7	41.7	56.7	58.3	4.0
FZ 1407	3.7	31.7	40.0	51.7	61.7	4.0
FZ 1410	5.0	55.0	63.3	73.3	71.7	4.0
MEYER	2.0	21.7	28.3	31.7	40.0	3.7
LSD VALUE	1.2	13.1	11.6	15.8	13.6	0.9
C.V. (%)	15.6	24.2	17.5	17.5	13.6	11.0

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 4.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT GAINESVILLE, FL 1/
2020 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS								MEAN
			FEB	MAR	JUN	AUG	SEP	OCT	NOV	DEC	
FZ 1367	8.0	4.0	6.7	7.0	8.3	7.3	7.7	8.3	6.7	6.0	7.3
FZ 1440	7.7	4.7	6.7	6.7	8.3	7.3	7.7	8.3	6.7	5.7	7.2
DALZ 1614	7.7	5.0	5.0	6.0	8.0	8.0	8.3	8.0	6.3	6.0	7.0
FAES 1319	8.7	6.3	5.3	5.7	8.0	8.7	8.0	8.0	6.3	5.7	7.0
FZ 1436	8.0	3.7	6.3	6.3	8.0	7.3	7.3	8.3	7.0	5.3	7.0
FZ 1727	8.3	6.0	5.3	5.0	9.0	8.3	8.0	8.0	7.0	5.7	7.0
FZ 1732	8.0	5.3	6.0	6.3	7.0	7.7	7.7	8.0	6.7	6.7	7.0
DALZ 1408	8.3	4.0	6.3	6.0	7.0	7.3	7.3	8.0	6.7	6.0	6.8
FZ 1422	8.0	6.3	4.7	6.0	8.3	8.3	8.0	7.7	6.0	5.0	6.8
FZ 1728	7.7	4.7	5.3	5.3	8.0	7.7	8.0	7.3	6.3	6.0	6.8
DALZ 1409	8.0	3.0	6.0	6.7	8.3	8.0	7.3	6.7	5.0	5.3	6.7
DALZ 1603	8.0	7.7	5.0	5.3	7.3	8.3	7.7	8.0	6.0	5.7	6.7
EMERALD	7.7	4.7	5.3	5.3	8.0	8.3	8.0	7.7	6.0	4.7	6.7
16-TZ-13463	9.0	5.3	5.3	5.3	7.7	6.7	8.0	7.3	6.3	5.7	6.5
FAES 1335	8.7	5.7	5.3	5.3	7.0	7.3	7.7	7.7	6.0	6.0	6.5
FZ 1327	7.7	7.3	4.7	5.3	7.0	7.7	7.7	7.7	6.0	5.7	6.5
FZ 1407	7.7	7.3	4.7	4.7	7.3	8.7	7.7	7.7	6.7	5.0	6.5
FZ 1722	7.7	4.7	4.7	4.7	7.3	7.7	7.7	8.0	6.3	5.7	6.5
15-TZ-11715	8.7	5.3	5.0	5.0	7.3	7.7	7.7	7.3	6.0	5.0	6.4
DALZ 1311	8.3	7.0	5.0	4.7	7.3	7.7	7.0	7.7	6.7	5.3	6.4
DALZ 1613	7.3	6.3	5.3	6.3	7.0	6.7	7.3	7.3	6.0	5.0	6.4
FZ 1721	7.7	4.7	5.7	6.7	7.0	7.0	7.0	7.0	6.3	4.3	6.4
16-TZ-12783	7.7	7.0	5.7	5.3	7.7	7.3	6.7	7.0	5.7	5.3	6.3
DALZ 1601	7.7	7.3	5.0	5.0	7.0	8.0	7.0	7.3	6.3	5.0	6.3
DALZ 1701	8.7	6.7	4.3	5.0	7.3	8.3	8.0	7.0	5.7	4.3	6.3
EMPIRE	8.7	7.3	4.7	5.0	7.7	7.3	7.0	8.0	6.0	5.0	6.3
FZ 1368	7.3	4.7	4.3	4.3	6.0	7.0	7.0	8.3	6.7	6.7	6.3
DALZ 1713	7.0	6.7	5.3	6.0	7.0	7.0	7.0	6.7	5.7	5.0	6.2
DALZ 1808	6.7	6.7	4.7	5.7	7.3	6.7	7.7	6.3	6.0	5.0	6.2
DALZ 1707	7.0	6.7	5.0	5.3	7.3	6.7	7.0	7.3	5.7	4.7	6.1
FZ 1410	8.7	8.3	4.3	4.3	7.0	7.7	7.0	8.0	5.7	5.0	6.1
DALZ 1714	7.0	7.3	5.0	6.0	6.7	6.0	6.7	7.3	5.7	4.7	6.0
DALZ 1802	8.0	3.0	6.0	6.3	7.3	6.7	6.3	6.3	5.3	4.0	6.0
ZEON	8.0	3.3	4.7	5.0	7.0	7.3	6.7	7.0	6.0	4.0	6.0
FZ 1723	6.7	3.7	4.7	4.7	6.3	6.7	7.0	7.3	5.7	4.7	5.9
UGA GZ 17-4	8.0	4.0	5.0	5.0	6.7	6.7	6.3	6.7	6.0	5.0	5.9
DALZ 1806	8.7	3.7	4.7	5.0	6.3	6.7	6.3	6.3	5.0	4.3	5.6
DALZ 1807	7.0	2.7	5.0	5.0	6.0	6.0	5.3	4.7	4.0	3.7	5.0
MEYER	7.7	7.3	3.3	3.3	6.0	6.3	6.0	5.7	4.0	3.0	4.7
LSD VALUE	1.2	1.2	1.4	1.4	1.2	1.5	1.2	1.0	0.8	1.0	0.7
C.V. (%)	8.1	14.4	14.5	14.1	9.5	10.8	9.0	8.1	8.2	12.3	6.4

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 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT GAINESVILLE, FL 1/
2020 DATA

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

NAME	WINTER		PERCENT ESTABLISHMENT RATINGS FROM AUGUST THROUGH DECEMBER				
	COLOR	SEEDHEAD	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
FZ 1367	8.3	8.3	30.0	43.3	76.7	80.0	90.0
FZ 1440	8.7	8.3	43.3	53.3	86.7	90.0	99.0
DALZ 1614	8.0	6.3	33.3	50.0	80.0	86.7	89.7
FAES 1319	7.7	5.7	33.3	43.3	76.7	86.7	93.0
FZ 1436	8.0	8.7	36.7	50.0	83.3	83.3	92.7
FZ 1727	7.7	3.7	40.0	53.3	83.3	90.0	99.0
FZ 1732	7.3	7.3	33.3	40.0	76.7	83.3	90.0
DALZ 1408	8.3	7.7	30.0	36.7	76.7	83.3	83.3
FZ 1422	7.7	2.7	33.3	43.3	73.3	76.7	86.7
FZ 1728	8.0	5.3	33.3	46.7	80.0	86.7	93.0
DALZ 1409	8.3	2.7	30.0	33.3	66.7	80.0	86.7
DALZ 1603	7.0	8.7	33.3	40.0	80.0	90.0	96.0
EMERALD	7.7	3.7	33.3	40.0	73.3	80.0	83.3
16-TZ-13463	8.3	8.3	40.0	53.3	83.3	80.0	92.7
FAES 1335	7.7	8.7	40.0	43.3	80.0	83.3	90.0
FZ 1327	6.7	8.0	36.7	56.7	86.7	90.0	99.0
FZ 1407	7.3	8.0	36.7	53.3	86.7	90.0	99.0
FZ 1722	7.7	7.0	30.0	43.3	76.7	86.7	90.0
15-TZ-11715	7.0	2.0	36.7	50.0	83.3	86.7	96.0
DALZ 1311	6.7	8.3	30.0	43.3	80.0	86.7	96.0
DALZ 1613	8.3	1.7	33.3	46.7	73.3	83.3	96.0
FZ 1721	8.7	3.3	40.0	46.7	70.0	80.0	86.7
16-TZ-12783	7.7	6.7	50.0	63.3	90.0	90.0	99.0
DALZ 1601	7.3	8.0	30.0	43.3	80.0	90.0	93.0
DALZ 1701	7.3	1.0	30.0	53.3	83.3	83.3	93.0
EMPIRE	7.0	7.7	40.0	60.0	86.3	83.3	96.0
FZ 1368	7.0	8.7	36.7	43.3	70.0	83.3	83.3
DALZ 1713	8.7	6.7	30.0	36.7	63.3	76.7	83.3
DALZ 1808	7.3	6.3	30.0	43.3	73.3	86.7	90.0
DALZ 1707	7.3	4.0	30.0	40.0	73.3	83.3	90.0
FZ 1410	6.3	6.7	36.7	50.0	83.3	86.7	93.0
DALZ 1714	8.3	2.3	33.3	40.0	66.7	70.0	76.7
DALZ 1802	8.3	5.0	30.0	33.3	66.7	73.3	76.7
ZEON	6.3	4.7	33.3	40.0	83.3	90.0	90.0
FZ 1723	8.0	6.0	33.3	46.7	80.0	80.0	90.0
UGA GZ 17-4	7.0	3.0	30.0	40.0	73.3	76.7	83.3
DALZ 1806	8.0	1.3	30.0	40.0	63.3	73.3	80.0
DALZ 1807	8.3	8.0	30.0	33.3	63.3	70.0	76.7
MEYER	3.7	6.0	30.0	40.0	66.7	73.3	70.0
LSD VALUE	1.2	2.4	6.8	10.2	11.1	8.4	9.0
C.V. (%)	9.7	26.7	11.8	13.6	8.5	6.1	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.

TABLE 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT JAY, FL 1/
2020 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS		
			AUG	SEP	MEAN
DALZ 1701	8.0	4.7	7.0	6.7	6.8
MEYER	7.0	4.3	6.7	7.0	6.8
FZ 1368	7.0	7.0	6.3	7.0	6.7
FZ 1410	6.3	1.3	6.3	7.0	6.7
FZ 1722	6.0	6.3	6.3	7.0	6.7
UGA GZ 17-4	7.0	8.7	6.7	6.7	6.7
DALZ 1311	6.3	2.0	6.3	6.7	6.5
DALZ 1603	6.3	1.3	6.3	6.7	6.5
DALZ 1802	7.7	7.0	6.7	6.3	6.5
FAES 1319	7.3	3.3	6.3	6.7	6.5
15-TZ-11715	8.3	6.7	6.0	6.7	6.3
DALZ 1614	6.0	5.0	6.0	6.7	6.3
DALZ 1714	5.7	5.3	6.0	6.7	6.3
EMERALD	7.0	7.7	6.3	6.3	6.3
FZ 1407	6.0	1.3	6.3	6.3	6.3
FZ 1727	7.3	7.3	6.0	6.7	6.3
16-TZ-12783	6.7	4.0	6.0	6.3	6.2
16-TZ-13463	7.0	9.0	5.7	6.7	6.2
DALZ 1601	6.0	2.3	5.3	7.0	6.2
DALZ 1707	6.3	4.7	6.0	6.3	6.2
DALZ 1806	8.3	8.3	6.7	5.7	6.2
EMPIRE	7.0	1.3	5.7	6.7	6.2
FZ 1367	7.0	7.3	5.3	7.0	6.2
FZ 1422	6.3	4.0	5.7	6.7	6.2
FZ 1723	6.3	8.0	5.7	6.7	6.2
ZEON	6.0	7.7	6.0	6.3	6.2
DALZ 1713	6.0	4.7	5.7	6.3	6.0
DALZ 1808	5.3	3.0	5.7	6.3	6.0
FAES 1335	6.0	6.0	5.7	6.3	6.0
FZ 1327	7.0	2.7	5.7	6.3	6.0
FZ 1721	7.0	8.0	6.0	6.0	6.0
DALZ 1613	6.7	6.0	5.3	6.3	5.8
FZ 1436	5.7	7.7	5.3	6.3	5.8
FZ 1440	6.7	7.7	5.0	6.7	5.8
FZ 1732	6.7	6.3	5.7	6.0	5.8
DALZ 1807	8.0	9.0	6.0	5.3	5.7
DALZ 1408	6.0	7.3	5.0	6.0	5.5
FZ 1728	7.7	8.3	6.0	5.0	5.5
DALZ 1409	6.3	8.7	4.7	6.0	5.3
LSD VALUE	1.1	1.1	2.0	1.0	1.1
C.V. (%)	9.6	13.0	12.5	7.9	7.7

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.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT JAY, FL 1/
2020 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
PERCENT ESTABLISHMENT RATINGS FROM SEPTEMBER 2019 THROUGH OCTOBER 2020

NAME	9/13/19	9/30/19	10/20/19	03/2020	04/2020	05/2020	06/2020	07/2020	08/2020	09/2020	10/2020
DALZ 1701	20.0	30.0	41.7	56.7	70.0	81.7	91.7	94.7	97.7	99.0	99.0
MEYER	26.7	26.7	30.0	30.0	33.3	38.3	41.7	55.0	68.3	78.3	86.7
FZ 1368	13.3	23.3	30.0	36.7	48.3	71.7	86.7	91.7	96.3	99.0	99.0
FZ 1410	20.0	26.7	41.7	58.3	68.3	83.3	91.7	97.7	97.7	99.0	99.0
FZ 1722	10.0	13.3	21.7	30.0	41.7	58.3	70.0	80.0	88.3	92.7	96.0
UGA GZ 17-4	10.0	13.3	18.3	28.3	45.0	63.3	81.7	91.3	96.0	97.7	97.7
DALZ 1311	26.7	33.3	55.0	75.0	86.7	93.3	99.0	99.0	99.0	99.0	99.0
DALZ 1603	26.7	26.7	43.3	56.7	70.0	80.0	89.3	96.0	97.7	99.0	99.0
DALZ 1802	20.0	20.0	20.0	25.0	35.0	43.3	63.3	81.7	91.7	96.3	99.0
FAES 1319	20.0	20.0	30.0	36.7	46.7	63.3	78.3	86.7	93.0	94.7	97.7
15-TZ-11715	20.0	23.3	36.7	48.3	60.0	71.7	85.0	93.3	95.0	99.0	99.0
DALZ 1614	16.7	16.7	25.0	36.7	48.3	70.0	83.3	90.0	94.7	97.7	99.0
DALZ 1714	10.0	13.3	23.3	36.7	48.3	63.3	75.0	86.7	93.3	96.3	99.0
EMERALD	23.3	23.3	26.7	35.0	43.3	53.3	65.0	75.0	85.0	91.3	96.3
FZ 1407	20.0	23.3	36.7	48.3	61.7	73.3	79.7	89.3	92.7	96.0	97.7
FZ 1727	16.7	16.7	25.0	30.0	45.0	61.7	76.7	86.7	91.7	96.3	99.0
16-TZ-12783	13.3	16.7	25.0	38.3	50.0	70.0	85.0	97.7	97.7	99.0	99.0
16-TZ-13463	10.0	10.0	20.0	23.3	25.0	40.0	56.7	76.7	88.3	93.0	96.0
DALZ 1601	16.7	23.3	41.7	55.0	66.7	80.0	89.7	96.0	97.7	99.0	99.0
DALZ 1707	16.7	16.7	31.7	43.3	55.0	66.7	81.7	88.3	94.7	97.7	99.0
DALZ 1806	10.0	10.0	13.3	18.3	18.3	30.0	46.7	65.0	78.3	86.7	91.7
EMPIRE	30.0	40.0	66.7	80.0	88.3	93.3	96.3	99.0	99.0	99.0	99.0
FZ 1367	13.3	16.7	23.3	43.3	56.7	75.0	85.0	94.7	97.7	99.0	99.0
FZ 1422	16.7	23.3	36.7	50.0	63.3	78.3	91.7	94.3	96.0	97.7	99.0
FZ 1723	16.7	23.3	31.7	38.3	53.3	68.3	80.0	86.7	90.0	94.3	96.0
ZEON	16.7	20.0	28.3	33.3	41.7	61.7	75.0	88.0	94.3	96.0	97.7
DALZ 1713	16.7	20.0	26.7	38.3	55.0	73.3	85.0	91.3	96.3	97.7	99.0
DALZ 1808	20.0	20.0	28.3	35.0	43.3	51.7	61.7	80.0	88.3	93.3	97.7
FAES 1335	10.0	20.0	33.3	46.7	61.7	76.7	86.7	93.3	96.0	97.7	99.0
FZ 1327	16.7	23.3	38.3	48.3	58.3	65.0	73.3	82.7	86.0	91.0	94.3
FZ 1721	23.3	23.3	30.0	36.7	46.7	56.7	66.7	73.3	83.3	88.3	91.3
DALZ 1613	10.0	10.0	21.7	31.7	40.0	51.7	68.3	83.3	94.7	96.3	99.0
FZ 1436	23.3	23.3	31.7	40.0	55.0	73.3	88.3	94.7	97.7	99.0	99.0
FZ 1440	20.0	23.3	30.0	46.7	60.0	80.0	90.0	94.7	97.7	99.0	99.0
FZ 1732	10.0	20.0	33.3	53.3	70.0	80.0	90.0	95.0	95.0	99.0	99.0
DALZ 1807	10.0	10.0	11.7	13.3	16.7	25.0	36.7	56.7	71.7	81.7	90.0
DALZ 1408	16.7	16.7	23.3	30.0	46.7	65.0	80.0	90.0	95.0	99.0	99.0
FZ 1728	10.0	20.0	30.0	45.0	55.0	70.0	83.3	88.3	93.3	96.3	99.0
DALZ 1409	10.0	13.3	21.7	30.0	45.0	68.3	85.0	91.7	97.7	99.0	99.0
LSD VALUE	6.1	9.3	12.3	17.1	21.3	22.1	20.0	15.0	11.3	7.5	5.6
C.V. (%)	23.1	27.3	25.4	26.0	24.8	20.1	15.5	10.3	7.1	4.6	3.1

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 ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT FORT LAUDERDALE, FL 1/
2020 DATA

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

NAME	PERCENT GROUND COVER			QUALITY RATINGS				MEAN
	FALL	JUL	AUG	SEP	OCT	NOV	DEC	
FZ 1368	99.0	9.0	9.0	8.0	7.7	8.0	8.0	8.3
DALZ 1713	99.0	8.3	8.3	8.0	8.0	8.0	8.3	8.2
FZ 1440	99.0	9.0	8.3	8.0	8.0	8.0	8.0	8.2
FZ 1732	99.0	9.0	8.3	8.0	8.0	8.0	8.0	8.2
DALZ 1408	99.0	8.7	9.0	8.0	7.7	8.0	7.3	8.1
FAES 1319	99.0	9.0	7.7	7.7	7.3	8.3	8.3	8.1
16-TZ-12783	99.0	8.3	8.3	7.7	7.7	8.3	7.7	8.0
FZ 1367	99.0	8.7	8.3	8.0	7.7	7.7	7.7	8.0
FZ 1436	99.0	9.0	8.0	8.0	7.3	8.0	7.7	8.0
DALZ 1409	99.0	8.0	8.3	8.0	8.0	7.3	7.7	7.9
DALZ 1714	99.0	8.7	8.7	8.0	7.0	7.7	7.7	7.9
DALZ 1806	96.0	9.0	8.3	7.7	7.7	7.7	7.3	7.9
FZ 1722	99.0	9.0	8.0	8.0	8.0	7.7	7.0	7.9
DALZ 1701	99.0	9.0	7.7	7.7	7.3	8.0	7.3	7.8
FAES 1335	99.0	8.7	7.7	7.7	7.3	7.7	7.7	7.8
DALZ 1808	99.0	8.0	7.0	7.3	7.7	8.0	8.0	7.7
FZ 1723	99.0	8.3	7.7	7.7	7.0	8.0	7.3	7.7
DALZ 1707	99.0	8.0	7.7	7.7	7.0	8.0	7.3	7.6
FZ 1327	99.0	8.7	6.7	7.0	7.3	8.0	7.7	7.6
FZ 1727	99.0	8.7	6.7	7.0	7.0	8.0	8.0	7.6
FZ 1728	99.0	9.0	8.0	7.7	7.0	7.3	6.7	7.6
UGA GZ 17-4	99.0	8.0	8.0	8.0	7.7	7.0	7.0	7.6
DALZ 1802	88.3	8.7	8.0	7.7	7.7	6.0	7.0	7.5
EMPIRE	99.0	8.0	6.7	6.7	7.3	8.0	8.3	7.5
16-TZ-13463	96.0	8.3	7.3	7.3	6.7	7.7	7.0	7.4
DALZ 1613	99.0	8.7	7.7	7.3	6.7	7.0	7.0	7.4
DALZ 1614	99.0	8.3	7.3	7.3	6.7	7.7	7.3	7.4
MEYER	99.0	8.0	6.7	7.0	7.7	8.0	7.3	7.4
FZ 1407	99.0	7.3	6.3	7.0	7.3	8.0	7.7	7.3
FZ 1422	99.0	8.3	6.3	7.0	6.7	8.0	7.3	7.3
DALZ 1601	99.0	6.7	7.0	7.0	6.7	8.0	7.3	7.1
DALZ 1603	99.0	6.7	6.0	7.0	7.0	8.0	7.7	7.1
FZ 1721	89.7	8.7	6.3	7.3	7.3	7.3	5.7	7.1
DALZ 1807	80.0	8.7	6.3	6.7	7.3	6.3	6.7	7.0
EMERALD	99.0	7.7	6.7	6.7	6.7	7.3	7.0	7.0
15-TZ-11715	99.0	8.0	6.3	6.7	7.0	7.0	6.7	6.9
DALZ 1311	99.0	7.3	6.0	6.0	6.0	8.0	7.3	6.8
ZEON	96.0	7.0	6.7	7.0	7.0	7.3	6.0	6.8
FZ 1410	99.0	7.7	6.0	6.3	5.0	7.7	7.7	6.7
LSD VALUE	4.0	1.0	1.8	1.2	1.0	1.2	1.5	0.7
C.V. (%)	2.6	7.1	13.0	8.3	8.0	7.5	9.6	5.2

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 7.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT GRIFFIN, GA 1/
2020 DATA

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

NAME	GENETIC COLOR	COLOR RATINGS		PERCENT ESTABLISHMENT FROM SEPTEMBER-NOVEMBER					QUALITY RATINGS						MEAN	
		SEPTEMBER	OCTOBER	SEPT 5	SEPT 19	OCT 3	OCT 17	NOV 7	APR	MAY	JUN	JUL	AUG	SEP		OCT
16-TZ-12783	6.7	7.0	6.7	4.0	5.0	6.0	7.0	7.0	4.3	6.3	6.3	6.7	7.0	7.0	6.7	6.3
15-TZ-11715	7.0	6.7	6.7	2.7	2.7	4.0	5.3	5.3	4.0	5.7	6.3	6.7	6.7	6.7	6.7	6.1
EMPIRE	6.7	6.7	6.7	3.3	3.7	4.7	5.7	6.0	4.0	5.7	6.3	6.7	6.7	6.7	6.7	6.1
16-TZ-13463	6.7	6.7	6.7	4.3	4.0	4.7	5.3	5.7	2.3	6.3	6.3	6.7	6.7	6.7	6.7	6.0
DALZ 1603	7.0	6.3	6.7	2.7	3.7	4.7	5.0	5.0	3.7	5.7	6.0	6.7	7.0	6.3	6.7	6.0
FZ 1410	6.7	6.7	6.7	3.0	3.7	4.0	4.3	4.7	3.3	6.0	6.0	6.3	6.7	6.7	6.7	6.0
FZ 1436	6.3	6.7	6.7	2.0	3.0	4.7	5.0	5.0	2.7	6.0	6.3	6.7	6.7	6.7	6.7	6.0
FZ 1440	6.7	6.7	6.7	3.0	2.7	3.3	3.7	4.0	3.0	6.0	6.3	6.7	6.7	6.7	6.7	6.0
DALZ 1311	6.3	6.7	6.7	2.3	3.3	3.7	4.0	4.0	2.7	5.7	6.0	6.3	6.3	6.7	6.7	5.8
DALZ 1614	6.7	6.7	6.3	2.0	2.3	3.0	3.3	3.3	2.3	6.0	6.3	6.3	6.7	6.7	6.3	5.8
FZ 1732	7.0	6.3	6.3	3.0	3.0	3.7	4.3	4.7	3.7	5.7	5.7	6.3	6.3	6.3	6.3	5.8
FZ 1327	7.0	6.3	6.7	3.7	4.0	5.0	5.3	5.3	2.3	5.7	6.0	6.3	6.7	6.3	6.7	5.7
FZ 1422	6.7	6.3	6.7	3.0	3.0	3.7	4.3	4.0	2.3	5.7	5.7	6.3	6.7	6.3	6.7	5.7
FZ 1722	7.0	6.3	6.0	4.0	3.7	5.0	5.7	6.0	3.7	5.3	5.7	6.3	6.7	6.3	6.0	5.7
DALZ 1408	6.7	6.3	6.3	2.0	2.0	3.0	3.0	3.3	2.3	5.7	6.0	6.0	6.3	6.3	6.3	5.6
DALZ 1601	6.3	6.0	6.3	3.0	3.7	3.7	4.3	4.3	3.3	5.7	5.7	6.0	6.3	6.0	6.3	5.6
DALZ 1701	7.0	6.3	6.0	2.3	3.0	4.0	4.7	4.7	3.0	6.0	6.0	6.0	6.0	6.3	6.0	5.6
FAES 1335	6.7	6.3	6.3	3.3	3.7	4.7	5.7	6.0	3.7	5.3	5.3	5.7	6.3	6.3	6.3	5.6
FZ 1367	6.7	6.3	6.3	3.3	3.7	5.0	5.0	5.0	2.7	5.7	6.0	6.0	6.3	6.3	6.3	5.6
FZ 1407	6.3	6.3	6.3	3.7	4.0	4.7	5.3	5.3	3.3	5.0	6.0	6.0	6.3	6.3	6.3	5.6
UGA GZ 17-4	6.7	6.7	6.7	3.3	3.3	3.3	4.0	4.0	1.7	5.7	5.7	6.3	6.7	6.7	6.7	5.6
DALZ 1808	6.7	6.3	6.3	2.7	2.7	3.0	3.0	3.0	2.0	5.3	5.7	6.3	6.3	6.3	6.3	5.5
DALZ 1713	6.7	6.7	6.7	2.7	2.0	2.3	2.7	2.7	1.0	5.3	5.7	6.3	6.3	6.7	6.7	5.4
FZ 1721	6.7	6.3	6.7	2.3	2.3	2.7	3.0	3.0	1.7	5.3	5.7	6.0	6.3	6.3	6.7	5.4
DALZ 1613	6.0	6.0	6.0	2.0	2.3	3.0	3.3	3.7	2.0	5.7	5.7	6.0	6.0	6.0	6.0	5.3
FZ 1727	7.0	6.7	6.3	2.3	2.7	3.3	4.0	4.0	1.3	5.3	5.7	6.0	6.0	6.7	6.3	5.3
ZEON	6.7	6.3	6.3	2.0	2.0	2.7	3.0	3.7	1.3	5.0	6.0	6.0	6.3	6.3	6.3	5.3
DALZ 1707	6.7	6.3	6.3	2.0	2.7	2.7	3.0	3.3	1.7	5.0	5.7	5.7	6.0	6.3	6.3	5.2
DALZ 1806	6.7	6.3	6.3	2.3	2.0	2.0	2.7	2.7	1.0	5.0	5.3	6.0	6.3	6.3	6.3	5.2
FZ 1368	6.0	6.3	6.3	2.0	2.0	2.0	2.0	2.3	1.0	5.3	5.7	6.0	6.0	6.3	6.3	5.2
DALZ 1409	6.3	6.0	6.0	2.0	2.0	2.3	2.0	2.7	1.0	5.3	5.7	5.7	6.0	6.0	6.0	5.1
DALZ 1802	6.7	6.3	6.3	2.3	2.0	2.0	2.0	2.3	1.0	5.3	5.7	5.7	5.7	6.3	6.3	5.1
FZ 1723	6.3	6.0	6.3	2.7	3.0	4.0	4.0	4.0	1.7	5.0	5.0	6.0	6.0	6.0	6.3	5.1
FAES 1319	6.3	5.7	5.7	2.3	2.7	3.7	4.0	4.0	1.0	5.7	6.0	5.7	5.7	5.7	5.7	5.0
FZ 1728	6.7	5.7	5.7	2.3	2.7	3.3	3.7	4.0	2.0	5.0	5.3	5.7	5.7	5.7	5.7	5.0
MEYER	6.0	5.7	5.7	2.0	2.3	2.3	2.3	2.7	1.0	5.3	6.0	6.0	5.7	5.7	5.7	5.0
DALZ 1714	7.3	6.3	6.0	2.7	2.3	2.7	3.0	3.0	1.0	5.0	5.3	5.3	5.3	6.3	6.0	4.9
EMERALD	6.7	6.0	5.7	2.3	2.3	2.7	3.3	3.3	1.0	5.0	5.3	5.3	5.7	6.0	5.7	4.9
DALZ 1807	5.7	5.3	5.3	2.0	2.0	2.0	2.3	2.3	1.3	4.3	5.0	5.3	5.3	5.3	5.3	4.6
LSD VALUE	1.2	1.3	1.4	1.2	0.8	1.1	1.0	1.1	1.3	1.1	1.2	1.2	1.3	1.3	1.4	0.6
C.V. (%)	7.2	7.8	8.3	24.3	17.7	19.4	17.3	18.1	35.3	9.3	8.5	8.3	8.9	7.8	8.3	6.8

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

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

TABLE 8.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT WEST LAFAYETTE, IN 1/
2020 DATA

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

NAME	GENETIC			PERCENT GROUND COVER			FALL COLOR		% ESTABLISHMENT		QUALITY RATINGS						
	COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING	SUMMER	FALL	OCTOBER	NOVEMBER	SEPT	OCT	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DALZ 1603	6.7	5.3	6.0	85.0	95.3	99.0	7.3	7.0	36.7	86.7	5.0	7.3	9.0	9.0	8.7	7.7	7.8
DALZ 1601	6.7	5.0	6.0	81.7	98.3	99.0	7.0	7.0	32.3	88.3	4.7	7.0	9.0	9.0	9.0	7.7	7.7
FZ 1407	7.0	5.3	6.0	81.7	95.7	99.0	7.7	7.0	37.7	85.0	5.0	7.3	9.0	9.0	8.3	7.7	7.7
DALZ 1311	7.3	5.0	6.0	83.3	96.0	99.0	7.0	6.7	36.7	85.0	5.0	7.3	8.7	9.0	8.7	7.0	7.6
EMPIRE	6.7	4.3	6.0	91.7	98.0	99.0	7.0	6.7	47.0	91.7	5.0	7.3	8.3	9.0	8.7	7.3	7.6
FZ 1410	7.7	5.3	6.0	90.0	98.3	99.0	7.7	6.7	33.3	85.0	5.0	7.3	8.7	9.0	8.0	7.3	7.6
ZEON	6.0	5.3	8.0	78.3	96.3	98.7	7.0	6.3	31.7	75.0	4.7	6.7	8.0	9.0	8.7	7.7	7.4
DALZ 1707	7.7	6.0	6.7	81.7	95.0	98.0	7.0	7.3	26.7	75.0	4.0	6.0	7.7	9.0	9.0	7.7	7.2
DALZ 1808	6.0	5.0	7.0	75.0	95.3	99.0	6.3	7.0	26.7	75.0	4.7	6.7	7.3	9.0	8.7	7.0	7.2
FAES 1319	8.0	4.7	6.7	63.3	87.3	96.0	8.3	7.3	29.3	75.0	4.3	5.7	7.7	8.7	8.7	8.0	7.2
FZ 1327	7.3	4.0	6.0	61.7	89.3	96.7	7.7	6.3	40.7	83.3	4.0	6.0	8.3	9.0	8.7	7.0	7.2
EMERALD	7.0	6.0	7.7	81.7	95.0	98.3	6.0	5.3	31.0	70.0	4.0	6.0	8.0	9.0	8.3	6.7	7.0
FZ 1422	6.7	6.3	7.0	71.7	89.0	96.3	6.3	6.3	28.3	76.7	4.7	5.7	7.7	8.0	8.3	7.3	6.9
FZ 1723	7.0	3.7	8.0	46.7	86.7	96.0	7.7	7.3	31.7	75.0	3.0	5.3	6.7	8.0	8.3	7.3	6.4
DALZ 1614	7.7	3.3	7.0	50.0	86.0	98.0	7.3	6.7	25.0	76.7	3.0	4.7	5.0	7.7	8.0	7.7	6.0
15-TZ-11715	8.3	3.0	7.3	40.0	81.3	97.7	7.0	7.0	29.3	76.7	3.0	4.3	5.0	8.0	8.7	6.7	5.9
FZ 1727	8.3	3.0	8.0	45.0	85.7	95.7	6.7	5.7	32.3	80.0	2.7	4.7	5.3	8.0	8.3	6.7	5.9
FZ 1732	8.3	3.0	7.7	36.7	81.7	96.0	7.0	5.7	28.3	76.7	2.0	4.0	5.7	8.3	8.7	7.0	5.9
DALZ 1613	7.3	2.0	7.0	21.7	72.7	90.7	7.0	6.0	24.0	70.0	2.0	4.0	4.3	6.0	7.7	7.3	5.2
FZ 1722	8.3	2.3	7.0	20.0	58.3	89.3	7.3	6.3	25.0	75.0	2.0	3.3	4.3	6.0	7.7	7.0	5.1
DALZ 1701	7.3	3.7	7.0	46.7	66.7	87.7	8.0	8.0	21.0	65.0	3.0	4.0	4.0	5.7	6.7	6.0	4.9
16-TZ-12783	7.3	2.3	6.3	7.0	58.3	89.0	8.0	5.7	29.0	75.0	2.0	2.7	3.7	6.0	7.3	7.0	4.8
FAES 1335	6.7	2.7	7.3	16.0	56.7	85.0	7.3	8.0	30.0	76.7	2.0	2.7	4.0	5.7	6.7	7.3	4.7
MEYER	7.0	5.3	7.0	51.7	68.3	92.0	6.0	4.0	25.0	63.3	3.7	4.3	4.0	5.3	5.7	5.0	4.7
FZ 1728	7.7	2.3	8.7	11.7	43.3	87.3	7.3	6.0	25.0	76.7	2.0	2.7	3.7	6.0	6.0	7.0	4.6
16-TZ-13463	8.3	2.3	7.3	26.7	65.7	90.3	8.0	7.0	28.3	71.7	2.0	3.3	4.0	5.0	6.3	6.3	4.5
FZ 1440	8.3	1.7	8.0	4.3	35.0	83.3	8.0	6.3	36.3	75.0	2.0	2.0	3.7	5.0	6.3	5.7	4.1
FZ 1367	8.0	1.3	8.0	1.0	11.0	50.0	8.7	7.3	23.3	76.7	1.3	1.7	2.3	3.7	5.0	4.7	3.1
FZ 1436	8.3	1.3	8.0	0.7	15.0	55.0	8.3	6.7	25.0	80.0	1.3	1.7	2.0	3.0	5.0	4.0	2.8
DALZ 1806	9.0	2.0	8.3	5.0	16.7	33.3	8.3	8.0	20.7	61.7	2.0	1.7	2.0	2.3	3.3	3.7	2.5
UGA GZ 17-4	8.0	2.0	8.3	2.7	8.0	38.3	7.3	8.0	24.0	66.7	2.0	1.7	2.0	2.3	3.0	3.3	2.4
DALZ 1713	8.0	1.7	7.0	1.7	11.7	25.0	7.0	7.3	25.0	68.3	1.7	1.0	2.0	2.3	3.7	3.0	2.3
DALZ 1408	7.3	1.0	8.0	0.0	1.3	6.7	5.7	5.7	23.0	66.7	1.0	1.0	1.7	1.3	1.7	1.7	1.4
DALZ 1409	7.3	1.0	8.0	0.3	0.7	3.7	7.0	8.0	20.7	58.3	1.0	1.0	1.7	1.0	1.7	2.0	1.4
DALZ 1714	5.0	1.0	5.7	0.3	0.7	3.0	5.0	5.7	21.3	58.3	1.0	1.0	1.3	1.0	1.7	2.0	1.3
FZ 1368	3.0	1.0	3.3	0.0	0.3	0.7	3.0	3.3	25.3	58.3	1.0	1.0	1.0	1.0	1.3	1.3	1.1
DALZ 1802	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	20.7	55.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DALZ 1807	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	18.7	46.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FZ 1721	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	23.0	66.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LSD VALUE	1.5	0.7	1.4	9.4	9.5	10.7	1.8	1.9	4.7	7.9	0.6	0.8	1.0	0.9	1.0	1.0	0.6
C.V. (%)	14.4	15.7	14.2	17.4	11.4	10.4	17.9	20.0	11.2	7.1	15.4	14.5	14.3	11.1	11.4	12.7	8.7

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.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
 IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT MANHATTAN, KS 1/
 2020 DATA
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	LEAF TEXTURE	WILTING	FALL COLOR NOVEMBER	PERCENT ESTABLISHMENT SEPT 2019	MAY 2020	SEPT 2019-AUG 2020		QUALITY RATINGS		
							JUNE 2020	AUG 2020	AUG	SEP	MEAN
ZEON	8.7	8.0	7.0	5.7	24.3	66.7	86.0	94.3	8.0	8.3	8.2
DALZ 1707	8.7	7.0	8.3	6.0	40.0	68.3	85.0	99.0	8.0	8.0	8.0
EMERALD	8.0	8.0	8.0	6.3	17.7	53.0	76.7	91.3	7.3	8.3	7.8
FZ 1727	7.0	8.3	6.3	5.7	20.7	47.7	70.0	97.7	8.0	7.7	7.8
15-TZ-11715	7.7	7.7	7.0	5.3	27.7	63.3	78.3	97.7	7.7	7.7	7.7
FAES 1319	7.3	6.3	8.7	5.0	33.3	68.7	73.3	99.0	7.7	7.7	7.7
FZ 1422	7.3	7.0	8.7	5.0	21.7	53.3	73.3	99.0	7.7	7.7	7.7
FZ 1732	6.3	7.7	7.0	6.0	22.3	48.3	65.0	93.3	7.3	8.0	7.7
DALZ 1614	7.3	7.7	7.0	6.3	26.7	56.7	68.3	96.0	7.0	8.0	7.5
DALZ 1701	7.3	6.7	8.7	5.7	30.0	56.7	83.3	99.0	7.3	7.3	7.3
DALZ 1808	7.7	6.7	8.3	5.3	26.7	63.3	85.0	99.0	7.3	7.3	7.3
16-TZ-12783	6.7	5.7	7.7	5.3	51.7	40.0	70.0	94.7	7.0	6.3	6.7
16-TZ-13463	6.7	7.3	4.7	5.0	33.3	51.0	58.3	91.7	6.7	6.3	6.5
DALZ 1613	6.0	7.7	8.0	4.3	20.0	36.0	63.3	83.3	5.0	8.0	6.5
FZ 1327	8.0	4.0	8.7	5.3	41.7	70.0	90.0	96.0	5.7	6.0	5.8
EMPIRE	7.7	4.0	9.0	4.7	75.0	81.7	96.0	99.0	6.0	5.3	5.7
FZ 1410	7.3	4.0	9.0	5.0	26.7	53.3	75.0	99.0	5.3	5.7	5.5
FZ 1723	7.0	8.0	6.0	5.0	17.3	38.7	68.3	94.7	5.7	5.3	5.5
DALZ 1311	7.7	4.0	9.0	4.7	61.7	75.3	92.7	99.0	5.3	5.3	5.3
DALZ 1601	8.0	4.0	9.0	5.3	56.7	76.7	92.7	99.0	5.3	5.3	5.3
DALZ 1603	8.0	4.0	9.0	5.7	53.3	75.0	90.0	99.0	5.3	5.3	5.3
FAES 1335	5.3	7.7	7.7	5.7	28.3	28.3	60.0	86.7	5.0	5.3	5.2
FZ 1407	8.0	4.0	9.0	4.7	43.3	65.0	91.0	99.0	5.3	5.0	5.2
MEYER	8.0	6.0	3.3	4.0	16.7	31.0	65.0	89.3	5.7	4.7	5.2
FZ 1722	6.7	8.0	7.0	6.0	14.0	21.7	60.0	90.0	5.0	5.0	5.0
FZ 1440	3.3	8.3	7.0	3.7	25.0	3.0	50.0	76.7	4.7	4.7	4.7
FZ 1728	4.3	9.0	3.7	5.3	17.7	6.7	46.7	76.7	4.3	4.3	4.3
DALZ 1713	3.0	6.7	8.3	4.3	19.3	3.7	36.7	73.3	3.7	4.3	4.0
FZ 1367	2.0	8.3	6.0	4.3	22.3	0.3	24.0	63.3	3.7	4.0	3.8
FZ 1436	2.7	8.3	6.3	4.7	23.3	3.7	36.7	71.7	3.7	4.0	3.8
DALZ 1408	2.0	8.3	5.7	5.3	18.3	1.7	16.7	56.7	3.0	3.3	3.2
DALZ 1714	3.0	7.3	7.3	7.0	20.0	2.3	20.0	48.3	3.0	3.3	3.2
UGA GZ 17-4	2.3	9.0	5.7	7.0	13.3	3.0	16.7	60.0	2.3	3.3	2.8
DALZ 1409	2.0	8.7	6.3	7.0	10.0	1.7	10.0	40.0	2.3	3.0	2.7
DALZ 1806	2.3	8.7	7.0	7.3	10.0	1.3	11.0	30.0	2.7	2.7	2.7
DALZ 1802	1.0	9.0	0.0	7.0	10.7	0.0	1.0	5.7	1.0	2.0	1.3
FZ 1368	1.0	7.5	0.0	7.0	13.3	0.0	0.0	3.3	1.0	2.0	1.3
FZ 1721	1.0	8.0	0.0	7.0	20.0	0.0	0.3	4.0	1.0	1.5	1.3
DALZ 1807	1.0		0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
LSD VALUE	0.9	0.6	1.3	0.8	13.0	13.9	10.1	11.4	1.1	0.9	0.8
C.V. (%)	10.9	6.3	11.7	9.6	31.3	26.1	12.4	10.2	14.4	10.5	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 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT COLUMBIA, MO 1/
2020 DATA

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

NAME	PERCENT GROUND COVER SPRING	QUALITY RATINGS					OCT	MEAN
		JUN	JUL	AUG	SEP			
EMERALD	56.7	6.0	6.3	6.3	6.7	6.3	6.3	
ZEON	56.7	6.3	6.0	6.0	6.0	6.3	6.1	
DALZ 1701	41.7	5.0	5.7	6.0	6.3	6.3	5.9	
FZ 1732	53.3	5.7	5.7	6.0	6.0	6.0	5.9	
DALZ 1614	38.3	5.0	5.3	6.0	6.3	6.0	5.7	
DALZ 1808	33.3	4.3	5.0	5.3	6.0	6.0	5.3	
EMPIRE	40.0	5.0	5.3	5.3	5.3	5.3	5.3	
DALZ 1613	23.3	4.3	4.7	4.3	5.0	5.0	4.7	
FZ 1422	33.3	4.0	4.3	5.0	5.0	5.0	4.7	
FAES 1319	31.7	4.3	4.0	4.7	4.3	4.7	4.4	
FZ 1410	30.0	3.7	4.7	4.7	4.3	4.7	4.4	
FZ 1723	36.7	4.0	4.3	4.3	4.7	4.7	4.4	
15-TZ-11715	23.3	3.0	4.0	4.3	4.7	4.7	4.1	
FZ 1727	25.0	3.3	3.7	4.3	4.0	4.0	3.9	
UGA GZ 17-4	30.0	3.7	3.7	4.3	4.0	3.7	3.9	
DALZ 1707	20.0	2.7	3.7	4.0	4.3	4.3	3.8	
DALZ 1408	31.7	3.0	3.7	4.0	3.3	3.3	3.5	
DALZ 1409	20.0	2.7	3.3	4.0	3.7	4.0	3.5	
DALZ 1603	28.3	3.3	2.7	3.3	4.0	4.0	3.5	
FZ 1367	25.0	3.0	3.7	4.0	3.3	3.3	3.5	
FZ 1407	21.7	3.0	3.0	3.3	4.3	4.0	3.5	
FZ 1436	23.3	3.0	3.3	3.7	4.0	3.7	3.5	
FZ 1440	20.0	3.0	3.3	3.7	3.7	3.7	3.5	
16-TZ-12783	21.7	2.7	3.3	3.3	3.7	3.7	3.3	
FZ 1722	28.3	3.3	2.7	3.3	3.3	2.7	3.1	
FZ 1728	15.0	2.0	3.3	3.3	3.0	3.3	3.0	
16-TZ-13463	21.7	2.7	2.7	3.0	3.0	3.0	2.9	
DALZ 1601	8.3	2.0	2.0	3.3	3.7	3.7	2.9	
DALZ 1713	11.7	2.0	2.7	3.3	2.7	2.7	2.7	
FAES 1335	13.3	1.7	2.3	3.0	3.0	3.0	2.6	
DALZ 1311	10.0	1.3	2.7	2.3	3.3	2.7	2.5	
MEYER	10.0	2.0	2.7	2.7	2.7	2.7	2.5	
DALZ 1802	11.7	1.3	2.0	2.3	2.3	2.3	2.1	
DALZ 1807	15.0	2.0	2.0	2.0	2.0	2.0	2.0	
DALZ 1806	10.0	1.3	1.3	2.0	2.0	2.0	1.7	
FZ 1721	11.7	2.0	1.3	1.7	2.0	1.7	1.7	
FZ 1327	6.7	1.3	1.3	1.7	2.0	1.7	1.6	
FZ 1368	5.0	1.3	1.3	1.3	1.7	1.7	1.5	
DALZ 1714	1.7	1.0	1.3	1.3	1.7	1.7	1.4	
LSD VALUE	25.3	2.6	2.3	2.4	2.5	2.5	2.3	
C.V. (%)	57.6	45.7	37.8	36.1	35.8	37.1	36.2	

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 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST GROWN UNDER TRAFFIC AT RALEIGH, NC 1/
2020 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL COLOR NOVEMBER	SEEDHEAD	QUALITY RATINGS					MEAN
						JUL	AUG	SEP	OCT	NOV	
DALZ 1601	6.0	4.0	6.0	6.0	8.0	6.3	6.7	7.0	7.0	7.0	6.8
FZ 1407	6.3	3.0	6.0	6.0	6.7	6.3	6.7	7.0	6.7	7.0	6.7
DALZ 1311	6.7	3.7	6.0	6.0	7.3	6.7	7.0	7.0	6.0	6.3	6.6
FZ 1410	6.3	2.7	6.0	5.3	7.7	7.0	6.7	6.7	6.0	6.7	6.6
EMPIRE	6.7	3.0	6.0	5.7	6.0	6.7	6.3	6.7	6.3	6.7	6.5
DALZ 1603	6.0	4.7	6.0	6.0	7.0	6.3	6.7	7.0	5.7	6.3	6.4
FZ 1327	6.0	3.3	6.0	6.0	7.3	6.0	6.3	6.3	5.3	6.3	6.1
FZ 1727	6.7	3.3	8.0	5.7	3.7	6.3	6.0	6.0	6.0	6.0	6.1
DALZ 1614	5.3	4.7	7.7	6.3	4.7	6.0	5.7	6.0	6.0	6.3	6.0
16-TZ-12783	6.3	2.3	7.0	5.3	8.3	6.3	6.3	6.0	5.3	5.7	5.9
FZ 1367	6.3	3.0	8.0	6.3	6.7	5.7	6.0	6.0	5.7	6.3	5.9
15-TZ-11715	6.3	2.7	7.0	6.0	4.0	6.0	6.0	6.3	5.3	5.3	5.8
FZ 1436	6.0	2.7	7.7	6.0	6.3	5.3	5.7	5.7	6.0	6.3	5.8
FZ 1722	6.3	4.0	8.0	6.3	4.3	5.3	6.0	6.0	5.7	6.0	5.8
FZ 1732	6.0	3.3	8.0	6.0	5.7	5.7	5.7	5.7	5.7	6.3	5.8
FAES 1319	6.7	4.3	6.3	6.0	8.0	5.7	6.0	6.0	5.3	5.3	5.7
FAES 1335	6.0	4.0	7.0	5.7	8.3	5.3	6.0	5.7	5.7	6.0	5.7
16-TZ-13463	6.3	2.3	7.7	6.7	8.3	4.3	5.3	6.3	5.7	6.3	5.6
FZ 1440	6.0	2.3	8.0	5.3	5.7	6.3	6.0	5.7	5.0	5.0	5.6
DALZ 1802	6.7	3.0	9.0	7.7	6.3	4.0	4.7	6.0	6.0	6.3	5.4
DALZ 1713	6.3	3.7	7.0	6.7	7.0	4.7	4.7	5.0	5.7	6.0	5.2
UGA GZ 17-4	6.3	3.3	9.0	6.7	6.0	4.7	5.3	5.0	5.3	5.7	5.2
DALZ 1701	7.0	2.7	6.7	6.0	4.0	4.0	4.7	5.3	5.3	6.0	5.1
DALZ 1714	6.0	4.7	7.3	6.3	6.3	4.3	4.7	5.3	5.3	6.0	5.1
DALZ 1707	6.3	3.7	7.0	6.0	6.3	4.0	4.7	5.3	5.3	5.7	5.0
FZ 1723	5.3	3.7	7.0	5.7	8.7	5.0	5.0	5.0	4.7	5.3	5.0
DALZ 1409	6.3	4.3	8.7	7.0	6.0	4.3	4.7	4.7	5.0	5.7	4.9
DALZ 1808	5.7	4.0	6.7	5.7	8.3	3.7	4.3	5.3	5.3	6.0	4.9
FZ 1422	6.3	2.0	7.0	5.7	5.0	6.0	5.7	5.3	3.7	4.0	4.9
DALZ 1408	6.7	3.0	8.0	6.3	7.0	4.3	4.3	4.7	4.7	5.3	4.7
DALZ 1613	5.7	3.3	7.0	5.7	5.3	4.3	4.3	4.7	5.0	5.3	4.7
FZ 1368	6.0	2.3	8.3	6.3	7.7	3.3	3.7	4.7	5.7	6.3	4.7
DALZ 1806	6.3	3.3	9.0	6.7	3.7	3.3	4.0	5.0	5.0	5.3	4.5
FZ 1728	6.7	2.3	8.3	5.3	3.0	5.0	5.0	4.7	4.0	4.0	4.5
ZEON	5.7	3.0	7.7	5.7	5.7	4.3	4.7	5.0	4.0	4.7	4.5
EMERALD	6.0	3.0	7.7	6.0	7.0	4.0	4.3	4.7	4.3	4.3	4.3
MEYER	6.7	2.3	6.7	5.0	8.0	2.7	4.0	4.3	4.0	4.7	3.9
FZ 1721	6.7	2.3	8.3	5.0	5.0	3.0	3.3	4.0	4.0	4.3	3.7
DALZ 1807	6.7	2.7	9.0	6.7	9.0	2.0	2.3	2.7	2.7	3.3	2.6
LSD VALUE	2.0	0.9	0.6	1.0	1.6	1.4	1.1	0.9	1.1	1.0	0.8
C.V. (%)	10.1	17.9	5.5	9.2	15.8	18.0	13.5	10.7	12.5	11.1	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 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST GROWN UNDER TRAFFIC AT RALEIGH, NC 1/
2020 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ 3/															
	PERCENT GROUND COVER MAY-AUGUST				SEPTEMBER 30		OCTOBER 9		TRAFFIC PERCENT COVER		OCTOBER 16		OCTOBER 26		NOVEMBER 2	
	MAY 15	JUNE 22	JULY 10	AUG 14	NO TRAFF	TRAFFIC	NO TRAFF	TRAFFIC	NO TRAFF	TRAFFIC	NO TRAFF	TRAFFIC	NO TRAFF	TRAFFIC	NO TRAFF	TRAFFIC
DALZ 1601	40.0	65.0	83.3	94.3	99.0	95.0	99.0	89.7	99.0	84.7	99.0	77.3	99.0	67.3		
FZ 1407	50.0	73.3	90.0	95.7	99.0	90.0	99.0	87.3	99.0	83.0	99.0	74.0	99.0	64.0		
DALZ 1311	53.3	76.7	90.0	97.7	99.0	88.3	99.0	85.7	99.0	79.3	99.0	73.3	99.0	63.3		
FZ 1410	53.3	76.7	88.3	97.7	99.0	90.0	99.0	85.7	99.0	80.0	99.0	70.0	99.0	60.0		
EMPIRE	61.7	80.0	93.3	97.7	99.0	91.7	99.0	88.0	99.0	83.0	99.0	77.3	99.0	67.3		
DALZ 1603	45.0	75.0	85.0	96.3	99.0	93.3	99.0	90.3	99.0	84.7	99.0	76.7	99.0	67.7		
FZ 1327	35.0	56.7	75.0	91.0	99.0	88.3	99.0	85.7	99.0	79.0	99.0	73.3	99.0	64.0		
FZ 1727	36.7	66.7	83.3	93.3	97.7	85.0	97.7	83.0	97.7	79.3	97.7	71.3	97.7	62.3		
DALZ 1614	33.3	60.0	80.0	90.0	98.3	93.3	98.3	93.3	98.3	89.0	98.3	84.0	98.3	76.7		
16-TZ-12783	46.7	70.0	88.3	97.0	99.0	86.7	99.0	83.3	99.0	78.3	99.0	69.0	99.0	60.0		
FZ 1367	21.7	45.0	60.0	81.7	97.7	90.0	97.7	87.3	97.7	84.0	97.7	78.3	99.0	71.3		
15-TZ-11715	38.3	68.3	85.0	91.7	98.3	85.0	98.3	82.3	98.3	79.3	98.3	74.0	98.3	63.3		
FZ 1436	26.7	51.7	68.3	86.7	99.0	86.7	99.0	85.0	99.0	79.3	99.0	75.0	99.0	66.0		
FZ 1722	21.7	41.7	63.3	86.7	99.0	91.7	99.0	90.0	99.0	85.0	99.0	79.0	99.0	71.3		
FZ 1732	36.7	61.7	80.0	90.0	97.7	86.7	97.7	85.7	97.7	80.0	97.7	72.3	97.7	65.0		
FAES 1319	31.7	43.3	66.7	83.3	99.0	88.3	99.0	87.3	99.0	82.3	99.0	73.3	99.0	66.7		
FAES 1335	40.0	58.3	78.3	90.0	99.0	86.7	99.0	85.0	99.0	80.0	99.0	72.3	99.0	63.0		
16-TZ-13463	33.3	48.3	65.0	88.3	99.0	91.7	99.0	89.0	99.0	85.7	99.0	81.7	99.0	73.3		
FZ 1440	35.0	60.0	75.0	88.3	99.0	86.7	99.0	83.3	99.0	78.3	99.0	73.3	99.0	64.0		
DALZ 1802	11.3	26.7	45.0	70.0	99.0	95.0	99.0	95.0	99.0	93.3	99.0	89.7	99.0	81.7		
DALZ 1713	15.7	35.0	53.3	80.0	99.0	93.3	99.0	93.3	99.0	89.7	99.0	84.7	99.0	75.0		
UGA GZ 17-4	20.0	36.7	58.3	81.7	99.0	91.7	99.0	90.0	99.0	85.7	99.0	81.7	99.0	73.0		
DALZ 1701	35.0	56.7	78.3	91.7	99.0	93.3	99.0	92.3	99.0	89.0	99.0	83.0	99.0	75.7		
DALZ 1714	28.3	41.7	65.0	83.3	99.0	95.0	99.0	95.0	99.0	93.0	99.0	87.3	99.0	77.7		
DALZ 1707	30.0	43.3	61.7	81.7	99.0	90.0	99.0	87.3	99.0	81.7	99.0	76.7	99.0	68.0		
FZ 1723	21.7	41.7	63.3	80.0	99.0	86.7	99.0	82.3	99.0	78.3	99.0	73.3	99.0	66.0		
DALZ 1409	21.7	35.0	56.7	81.7	99.0	91.7	99.0	91.7	99.0	89.0	99.0	84.0	99.0	75.0		
DALZ 1808	31.7	53.3	68.3	89.7	99.0	88.3	99.0	84.0	99.0	80.0	99.0	74.0	99.0	65.0		
FZ 1422	31.7	60.0	80.0	90.0	98.3	90.0	98.3	84.0	98.3	78.3	98.3	70.0	98.3	60.7		
DALZ 1408	17.3	38.3	56.7	81.7	99.0	86.7	99.0	85.7	99.0	82.3	99.0	78.0	99.0	68.3		
DALZ 1613	28.3	48.3	65.0	81.7	97.7	91.7	97.7	89.7	97.7	87.3	97.7	82.3	97.7	73.3		
FZ 1368	14.0	23.3	38.3	66.7	99.0	93.3	99.0	93.3	99.0	92.3	99.0	86.3	99.0	76.7		
DALZ 1806	15.0	25.0	40.0	65.0	99.0	91.7	99.0	91.7	99.0	87.0	99.0	84.0	99.0	76.0		
FZ 1728	19.3	36.7	56.7	81.7	97.7	88.3	97.7	85.0	97.7	78.3	97.7	70.0	98.3	60.0		
ZEON	35.0	51.7	68.3	81.7	99.0	85.0	99.0	80.0	99.0	76.0	99.0	69.0	99.0	61.7		
EMERALD	26.7	43.3	61.7	78.3	99.0	90.0	99.0	85.7	99.0	81.0	99.0	75.0	99.0	68.3		
MEYER	15.7	28.3	40.0	63.3	95.3	85.0	95.3	81.7	95.3	77.0	95.3	70.0	95.3	60.0		
FZ 1721	16.7	30.0	48.3	75.0	99.0	86.7	99.0	83.7	99.0	79.3	99.0	74.0	99.0	68.3		
DALZ 1807	8.7	20.0	33.3	56.7	95.0	86.7	94.0	83.3	94.0	79.3	94.0	73.3	94.0	65.0		
LSD VALUE	11.4	15.1	14.6	9.6	1.9	5.2	1.9	6.0	1.9	5.2	1.9	5.7	1.6	6.1		
C.V. (%)	24.5	19.7	14.1	7.3	1.0	3.3	1.1	4.1	1.1	4.0	1.1	4.8	0.9	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.

3/ TRAFFIC PERCENT COVER FIRST RUN WAS SEPTEMBER 15,2020. TRAFFIC WAS CONDUCTED FOR 7 SONDECUTIVE WEEKS, 3 TIMES A WEEK WITH 2 PASSES CONDUCTED EACH DAY EACH DAY OF TRAFFIC SIMULATION.

TABLE 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT STILLWATER, OK 1/
2020 DATA

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

NAME	GENETIC	SPRING	LEAF	COLOR	COLOR	COLOR	PERCENT ESTABLISHMENT	PERCENT ESTABLISHMENT	PERCENT ESTABLISHMENT	QUALITY RATINGS								
	COLOR	GREENUP	TEXTURE	OCTOBER	NOVEMBER	DECEMBER				SEEDHEAD	SPRING	SUMMER	FALL	MAY	JUN	JUL	AUG	SEP
DALZ 1408	8.0	1.7	7.7	9	6.0	2.7	8.7	89.0	97.7	99.0	5.0	7.0	7.0	8.0	6.3	6.3	6.7	6.6
FAES 1319	7.7	1.3	6.7	9	8.0	2.7	8.7	86.3	96.0	99.0	5.3	7.0	6.7	7.3	6.3	6.7	6.7	6.6
FZ 1732	7.3	1.0	7.0	9	7.0	2.0	8.3	81.7	98.3	99.0	5.0	6.3	7.0	7.3	6.3	7.0	7.0	6.6
DALZ 1614	7.3	1.0	7.3	9	7.3	2.0	9.0	87.0	96.0	99.0	5.7	6.3	6.7	7.0	5.7	7.0	7.0	6.5
FZ 1722	8.0	2.0	7.7	9	6.7	2.7	8.3	86.7	99.0	99.0	5.7	7.0	7.0	7.3	5.7	6.3	6.3	6.5
DALZ 1613	7.0	1.7	7.0	9	5.7	1.3	9.0	90.3	98.0	99.0	5.0	6.3	7.3	7.3	5.7	7.0	6.3	6.4
FAES 1335	7.0	2.3	7.7	9	8.0	2.3	9.0	80.0	90.3	99.0	5.0	6.0	6.7	7.0	5.7	7.0	7.3	6.4
FZ 1436	7.7	1.7	8.0	9	6.0	3.0	8.7	85.0	94.7	99.0	5.0	6.0	6.7	7.3	6.0	7.0	7.0	6.4
FZ 1727	8.0	1.3	7.7	9	6.0	1.7	8.7	80.7	96.3	91.3	5.0	6.3	7.0	7.7	5.3	6.7	6.7	6.4
16-TZ-12783	8.0	2.0	7.0	9	7.3	3.0	9.0	97.7	99.0	99.0	5.7	6.7	6.7	6.7	6.0	6.3	6.3	6.3
FZ 1723	7.0	1.0	7.7	9	7.7	3.3	8.7	86.7	94.7	99.0	5.3	6.3	7.0	7.0	6.3	6.0	6.3	6.3
15-TZ-11715	8.0	1.0	7.0	9	7.7	2.3	9.0	85.0	97.3	99.0	5.7	6.3	6.3	7.0	5.3	6.0	6.7	6.2
FZ 1367	8.0	2.7	8.0	9	5.7	2.3	8.7	80.7	99.0	99.0	5.0	6.0	6.7	7.3	5.7	6.3	6.3	6.2
FZ 1422	7.0	2.0	7.0	9	7.0	2.7	9.0	80.0	94.7	99.0	5.3	6.0	6.7	6.7	6.7	6.0	6.3	6.2
FZ 1440	7.7	1.0	8.0	9	6.3	3.0	8.0	83.3	97.3	99.0	5.0	5.7	6.3	7.0	6.0	6.7	7.0	6.2
ZEON	6.3	2.0	7.3	9	8.0	2.3	9.0	88.7	97.7	99.0	5.7	6.3	7.0	6.3	5.3	6.3	6.3	6.2
DALZ 1707	6.7	1.0	7.0	9	7.3	2.7	9.0	94.7	94.7	99.0	5.7	6.3	6.7	6.3	5.7	6.0	6.0	6.1
DALZ 1713	7.7	1.7	7.0	9	6.7	3.0	8.3	78.3	99.0	99.0	4.3	5.3	6.7	7.3	6.3	6.3	6.3	6.1
DALZ 1808	5.3	2.0	6.3	9	6.7	2.3	9.0	87.0	94.7	99.0	5.3	6.7	5.7	6.7	6.0	6.3	6.3	6.1
FZ 1410	7.3	2.7	6.0	9	6.3	1.3	7.0	97.7	99.0	99.0	6.0	7.3	6.0	6.0	5.3	6.0	6.0	6.1
16-TZ-13463	7.0	1.0	7.3	9	6.3	3.0	9.0	93.7	99.0	99.0	6.0	6.7	6.3	6.3	5.0	5.3	6.0	6.0
DALZ 1311	6.7	2.0	6.0	9	7.0	2.0	7.3	93.0	97.0	99.0	5.7	7.3	6.0	6.0	5.0	6.0	6.0	6.0
DALZ 1601	6.3	1.0	6.7	9	7.0	1.7	7.0	96.3	99.0	99.0	6.0	7.3	6.0	6.0	5.0	6.3	5.7	6.0
DALZ 1603	6.3	2.0	5.7	9	7.0	2.0	7.7	93.3	96.7	99.0	5.3	6.7	5.7	6.3	5.0	6.7	6.0	6.0
DALZ 1802	8.0	1.0	8.0	9	9.0	5.5	9.0	60.0	80.0	76.0	3.0	4.0	5.5	8.0	7.0	7.0	7.5	6.0
FZ 1407	7.0	2.3	6.0	9	7.0	1.7	7.0	96.3	99.0	99.0	6.0	7.0	6.0	6.3	5.0	6.0	5.7	6.0
DALZ 1701	7.0	2.3	6.7	9	8.0	2.7	9.0	80.7	89.7	99.0	4.7	5.0	5.3	6.3	6.3	7.0	6.7	5.9
EMERALD	7.0	1.3	7.7	9	7.3	3.0	9.0	72.7	89.0	99.0	4.7	5.3	6.3	6.7	5.3	6.0	6.0	5.8
EMPIRE	6.7	1.3	5.7	9	7.3	1.3	7.7	95.7	99.0	99.0	5.3	6.0	5.0	6.0	5.3	6.3	6.0	5.7
FZ 1327	6.0	1.3	6.0	9	7.0	2.3	6.7	89.7	99.0	99.0	5.7	6.3	5.0	5.7	5.3	6.0	6.0	5.7
FZ 1368	7.3	2.0	8.0	9	9.0	4.3	9.0	60.0	79.0	99.0	3.3	3.7	5.3	6.3	7.0	6.7	7.7	5.7
DALZ 1409	8.0	1.3	8.0	9	7.7	3.7	9.0	64.0	83.3	96.7	3.7	6.3	5.7	7.0	4.7	5.3	6.7	5.6
DALZ 1714	7.0	1.3	7.0	9	9.0	4.7	9.0	71.0	91.3	99.0	4.0	4.3	6.0	6.3	5.7	6.0	6.7	5.6
DALZ 1806	7.7	2.3	8.0	9	8.3	5.3	9.0	61.7	85.7	99.0	3.0	4.0	5.3	6.3	5.7	6.0	7.0	5.3
FZ 1721	7.0	1.7	8.0	9	5.0	2.7	9.0	70.0	81.7	99.0	4.0	4.0	5.0	6.0	5.7	5.3	6.3	5.2
UGA GZ 17-4	7.7	1.0	8.0	9	7.3	4.3	9.0	61.7	85.0	99.0	4.0	4.0	6.0	6.3	4.7	5.3	5.7	5.1
FZ 1728	7.0	1.7	8.0	9	5.3	3.0	6.7	78.3	83.3	99.0	4.0	4.0	4.3	6.0	6.3	5.0	4.7	4.9
MEYER	7.0	1.3	7.0	9	5.7	1.7	9.0	55.0	82.3	99.0	2.7	4.0	4.3	5.3	6.0	5.7	5.0	4.7
DALZ 1807	8.0	2.0	8.0	9	7.0	5.5	9.0	55.0	67.5	76.0	2.5	3.0	4.0	5.0	4.0	5.0	5.5	4.1
LSD VALUE	0.8	2.6	0.5	0	0.9	1.1	0.8	14.2	7.8	31.2	1.0	1.5	0.9	1.2	0.9	0.8	0.9	0.6
C.V. (%)	7.0	50.3	4.9	0	8.2	24.9	5.7	10.7	5.2	9.3	13.4	15.5	9.6	10.0	9.3	7.5	8.6	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.

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT KNOXVILLE, TN 1/
2020 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY RATINGS			PERCENT GROUND COVER			QUALITY RATINGS							
				SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DALZ 1707	7.7	6.0	8.0	3.0	6.0	5.0	50.7	82.7	93.7	6.7	5.3	4.3	7.0	7.3	7.0	7.3	6.4
FZ 1410	7.3	7.3	6.0	4.0	6.3	3.7	63.7	91.3	91.0	6.0	5.3	5.7	7.3	7.0	7.0	6.7	6.4
FZ 1407	7.7	6.0	7.3	2.7	6.3	3.7	50.3	95.0	94.7	5.7	5.0	4.7	7.7	6.7	7.3	7.0	6.3
DALZ 1311	7.7	7.0	6.0	3.7	3.7	4.3	60.7	72.0	96.3	5.3	5.7	5.7	6.0	7.3	7.0	6.7	6.2
EMPIRE	7.7	5.7	6.3	3.0	5.0	3.7	48.3	74.0	93.7	5.7	5.0	4.3	6.0	7.0	7.0	6.7	6.0
FZ 1422	7.0	6.7	8.0	2.7	5.0	5.0	57.7	64.3	87.0	6.3	5.7	4.7	5.7	6.0	7.0	6.3	6.0
FAES 1319	5.0	7.3	8.3	3.3	4.0	4.3	63.0	64.7	92.7	5.7	5.3	5.7	5.3	5.0	7.0	7.0	5.9
DALZ 1603	5.3	6.0	6.0	2.3	4.7	5.0	50.7	74.7	93.0	5.7	5.0	3.7	6.0	5.7	7.0	7.3	5.8
DALZ 1614	7.0	5.7	8.0	3.0	4.0	4.0	47.3	76.0	98.0	4.3	4.7	4.3	5.7	6.7	7.7	7.0	5.8
FZ 1327	7.3	5.3	7.3	2.3	4.7	3.7	45.0	76.0	95.3	5.0	4.3	4.0	6.3	6.7	7.7	6.0	5.7
DALZ 1701	7.7	5.7	7.7	3.0	4.3	5.3	45.3	66.3	95.0	4.0	4.3	4.7	5.3	6.3	7.0	7.3	5.6
EMERALD	7.3	5.7	9.0	2.0	3.7	6.0	45.7	57.3	94.0	5.0	4.3	3.3	5.0	6.7	7.3	7.3	5.6
15-TZ-11715	7.0	4.7	8.7	1.7	4.7	4.7	36.7	72.7	93.7	5.0	3.7	3.0	6.0	6.7	7.3	6.7	5.5
DALZ 1808	8.0	4.3	8.0	1.7	4.7	4.7	29.7	71.3	93.3	4.3	3.3	3.0	6.0	7.0	8.0	7.0	5.5
16-TZ-13463	7.3	4.0	9.0	1.7	3.3	7.3	31.7	58.7	78.7	4.7	4.0	3.0	5.0	7.0	6.0	8.0	5.4
FZ 1722	7.3	4.0	9.0	1.3	4.3	4.7	33.0	73.7	93.3	4.0	3.7	3.3	5.7	7.0	7.0	7.0	5.4
FZ 1723	7.0	4.3	8.7	1.7	3.0	5.0	35.3	52.3	91.3	5.7	4.0	2.7	4.3	7.0	7.3	7.0	5.4
FZ 1732	6.7	4.0	7.5	1.7	3.7	6.0	26.7	78.0	96.7	4.0	4.0	3.7	6.0	5.7	7.0	7.7	5.4
DALZ 1601	7.7	4.7	6.0	2.3	2.3	3.7	39.3	41.7	95.3	5.3	4.3	4.0	3.3	7.0	7.0	6.3	5.3
DALZ 1613	7.7	3.7	8.0	1.7	4.3	4.3	28.3	82.3	95.3	3.3	3.0	3.3	6.7	6.7	7.3	7.0	5.3
FZ 1367	6.3	4.3	9.0	1.0	4.3	3.0	36.7	71.3	94.7	4.3	3.7	3.7	5.7	6.0	7.0	6.7	5.3
FZ 1436	7.0	4.0	8.3	1.0	5.0	3.7	30.3	73.0	94.3	3.7	3.3	3.0	6.0	6.7	7.7	7.0	5.3
FZ 1727	8.3	4.7	9.0	2.3	2.3	3.7	40.3	42.0	95.3	4.0	4.0	4.0	3.7	7.3	7.7	6.7	5.3
ZEON	7.7	5.7	9.0	2.7	2.3	4.3	45.3	40.3	88.0	4.7	4.7	4.0	3.7	7.3	7.0	6.0	5.3
16-TZ-12783	7.3	3.7	8.0	1.7	4.3	3.7	27.3	60.3	90.7	4.0	3.7	3.3	5.3	6.7	7.0	6.7	5.2
DALZ 1713	7.3	5.3	8.3	2.0	1.7	5.0	41.7	38.7	97.7	4.3	4.0	3.3	3.3	7.0	7.3	7.3	5.2
FZ 1368	7.7	3.3	9.0	1.0	3.7	4.3	25.0	68.7	95.3	4.7	3.3	3.0	5.3	6.7	7.3	6.3	5.2
FZ 1440	7.0	4.0	9.0	1.3	5.0	3.0	30.7	68.0	90.7	4.3	4.0	2.7	5.3	7.0	6.7	6.7	5.2
UGA GZ 17-4	7.3	5.3	9.0	1.7	2.3	4.3	41.3	54.7	92.3	4.7	3.7	3.7	4.0	6.7	6.7	7.0	5.2
DALZ 1408	6.3	4.7	9.0	1.3	3.0	4.3	36.0	51.3	88.0	3.7	3.7	3.7	4.7	6.0	6.7	7.3	5.1
DALZ 1714	6.7	2.7	8.3	1.3	5.7	4.7	19.7	77.7	91.0	3.7	3.0	2.3	6.3	6.0	6.7	7.0	5.0
DALZ 1806	5.3	3.0	9.0	1.0	4.3	5.3	20.3	72.3	91.3	3.7	3.0	2.0	6.0	5.3	7.0	7.7	5.0
FAES 1335	7.0	4.0	8.3	1.3	3.0	4.0	29.7	36.3	76.7	5.0	4.0	2.7	4.0	7.0	6.0	6.7	5.0
DALZ 1802	7.0	3.0	3.0	1.3	4.3	3.7	18.7	67.3	86.7	3.3	3.3	2.7	5.7	6.3	6.0	6.7	4.9
FZ 1721	7.7	3.0	6.0	1.3	3.0	3.7	22.0	43.3	91.7	3.7	3.3	3.0	4.0	7.3	6.7	5.3	4.8
FZ 1728	7.7	2.3	9.0	1.3	3.0	4.7	14.3	36.7	65.7	4.0	3.7	3.0	3.7	7.3	5.3	6.7	4.8
MEYER	7.7	4.0	7.7	1.3	2.7	5.0	31.0	39.7	76.3	4.3	3.3	3.0	4.0	6.7	5.7	6.3	4.8
DALZ 1807	6.0	2.3	0.0	1.7	4.0	2.7	17.0	70.0	94.7	3.0	3.0	3.0	6.0	6.3	7.0	4.7	4.7
DALZ 1409	7.0	3.3	9.0	1.0	2.0	4.7	24.3	37.7	75.0	3.0	3.0	3.0	3.3	6.3	6.3	7.3	4.6
LSD VALUE	4.9	3.2	2.1	1.7	9.4	2.5	31.6	106.3	49.6	2.0	1.9	3.3	8.9	6.3	5.1	2.2	1.3
C.V. (%)	18.7	33.9	17.0	45.0	58.9	25.6	41.8	45.7	14.5	22.5	23.1	35.2	42.3	20.5	17.3	12.7	11.0

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 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT DALLAS, TX 1/
2020 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS							MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	
FAES 1319	6.7	2.3	6.3	7.0	8.3	9.0	6.3	7.0	8.7	8.0	7.8
DALZ 1311	6.3	1.3	5.0	5.7	7.0	8.7	7.0	7.3	8.0	8.7	7.5
FZ 1410	6.7	1.0	5.3	5.3	7.0	8.3	6.0	7.3	9.0	8.7	7.4
EMPIRE	7.0	1.0	4.7	6.3	7.7	8.7	5.0	6.3	8.3	8.3	7.2
FZ 1436	6.0	4.0	8.0	5.3	7.3	8.7	7.0	6.7	7.3	8.0	7.2
FZ 1440	4.3	3.7	8.0	6.0	7.3	8.7	7.3	6.7	7.0	7.7	7.2
FZ 1407	7.0	2.0	4.3	5.0	7.0	8.0	6.7	7.0	8.3	7.7	7.1
DALZ 1601	5.7	1.7	5.3	5.3	6.7	8.7	6.3	6.0	7.7	8.0	7.0
DALZ 1603	6.0	2.0	5.0	4.3	7.0	8.3	6.0	6.3	8.3	8.3	7.0
DALZ 1701	7.3	1.0	6.3	5.7	7.3	7.7	5.7	6.3	8.3	7.7	7.0
DALZ 1713	6.0	2.7	7.0	6.0	7.7	7.7	6.7	7.0	7.3	6.7	7.0
FZ 1422	7.7	1.0	6.3	6.3	7.7	8.3	5.3	6.7	7.7	7.3	7.0
FZ 1732	5.7	2.3	7.3	6.0	7.0	7.3	6.7	6.3	7.7	7.7	7.0
DALZ 1408	6.0	3.3	8.0	6.3	7.3	7.7	6.3	6.0	7.0	7.7	6.9
DALZ 1614	5.3	3.3	7.0	7.7	7.0	8.0	5.7	6.3	6.3	6.7	6.8
DALZ 1714	5.7	4.0	6.7	4.7	6.3	7.0	6.7	7.3	8.3	7.3	6.8
16-TZ-12783	5.7	2.0	6.7	5.0	7.3	8.0	5.3	6.0	8.0	7.0	6.7
DALZ 1613	5.0	4.3	7.0	6.0	6.3	7.0	6.3	6.7	6.7	7.7	6.7
DALZ 1802	7.3	2.7	9.0	6.0	7.3	7.7	5.0	6.0	7.7	7.3	6.7
FZ 1367	5.3	3.3	8.0	6.7	7.3	8.3	5.7	5.3	6.3	7.3	6.7
DALZ 1707	5.3	1.0	6.3	5.3	6.7	7.3	5.0	6.0	7.7	7.3	6.5
UGA GZ 17-4	7.3	4.0	9.0	6.3	7.3	8.3	5.0	5.3	6.7	6.3	6.5
FZ 1722	6.3	3.7	8.0	5.7	6.0	6.3	5.7	5.3	8.0	7.0	6.3
FZ 1727	6.0	1.7	8.0	5.7	7.3	8.0	4.7	5.0	7.3	6.3	6.3
EMERALD	7.7	2.0	7.3	7.0	7.3	7.3	5.0	5.3	6.0	5.3	6.2
DALZ 1409	7.3	4.3	9.0	6.3	7.7	7.3	4.7	5.0	6.0	6.0	6.1
DALZ 1808	5.0	3.0	6.3	4.7	6.7	7.3	5.0	5.7	7.3	6.3	6.1
ZEON	5.3	2.0	7.7	5.3	6.0	6.7	5.3	5.3	7.3	7.0	6.1
FZ 1327	6.7	2.0	5.7	5.0	7.3	7.7	3.7	4.7	6.7	7.3	6.0
15-TZ-11715	6.3	1.3	7.0	5.7	5.7	7.0	4.0	5.0	6.7	7.3	5.9
FZ 1368	4.7	3.0	7.7	4.3	6.7	6.0	5.0	5.3	6.7	6.7	5.8
FZ 1723	5.7	1.7	7.7	5.3	6.3	7.7	3.3	4.7	6.7	6.3	5.8
FAES 1335	5.3	3.3	7.7	5.3	7.0	8.3	3.3	4.0	5.0	6.7	5.7
16-TZ-13463	6.7	1.0	7.7	5.7	6.3	7.0	3.3	3.7	5.7	5.0	5.2
FZ 1721	5.7	2.7	7.7	5.0	7.0	7.0	3.3	3.7	5.3	5.0	5.2
DALZ 1806	7.0	3.0	8.0	4.7	6.7	6.0	3.0	4.3	5.3	5.0	5.0
DALZ 1807	6.3	2.3	9.0	4.0	6.0	7.0	3.3	4.3	5.3	5.3	5.0
FZ 1728	4.7	1.3	9.0	4.0	5.7	6.0	3.3	3.7	6.0	6.3	5.0
MEYER	6.3	1.0	6.3	3.3	4.0	4.3	2.3	2.3	2.7	3.0	3.1
LSD VALUE	1.2	0.7	0.6	1.5	1.0	0.9	1.3	1.1	1.4	1.7	0.7
C.V. (%)	12.2	19.3	6.1	15.7	9.1	7.8	16.3	12.7	12.9	14.8	7.2

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.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST AT DALLAS, TX 1/
2020 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/				PERCENT ESTABLISHMENT MARCH-JUNE 2020			
	FROST TOLERANCE	WILTING	RECOVERY	LARGE PATCH	MARCH	APRIL	MAY	JUNE
FAES 1319	9.0	6.3	8.7	6.7	56.7	70.0	90.0	38.3
DALZ 1311	8.0	7.0	9.0	5.0	60.0	75.0	93.3	10.0
FZ 1410	7.0	6.0	9.0	4.0	63.3	73.3	86.7	38.3
EMPIRE	5.7	5.3	9.0	7.0	70.0	88.3	66.7	10.0
FZ 1436	9.0	6.0	8.0	5.3	56.7	71.7	91.7	36.7
FZ 1440	8.7	5.3	7.7	5.3	56.7	76.7	88.3	38.3
FZ 1407	8.7	6.7	9.0	4.3	60.0	75.0	90.0	10.0
DALZ 1601	8.3	5.7	8.0	5.0	60.0	73.3	93.3	10.0
DALZ 1603	9.0	6.7	9.0	3.0	46.7	58.3	85.0	66.7
DALZ 1701	6.0	5.0	8.0	7.0	43.3	61.7	78.3	66.7
DALZ 1713	8.7	6.7	7.7	6.0	30.0	46.7	73.3	61.7
FZ 1422	7.7	4.3	8.0	7.0	36.7	55.0	78.3	93.3
FZ 1732	9.0	5.0	7.7	7.0	43.3	63.3	81.7	38.3
DALZ 1408	9.0	5.7	7.7	5.7	40.0	56.7	73.3	65.0
DALZ 1614	9.0	5.3	8.0	7.0	50.0	66.7	80.0	10.0
DALZ 1714	9.0	5.7	7.0	5.0	33.3	43.3	60.0	80.0
16-TZ-12783	9.0	4.0	7.7	8.0	50.0	65.0	58.3	10.0
DALZ 1613	9.0	5.7	7.3	6.7	36.7	53.3	73.3	90.0
DALZ 1802	8.7	4.0	6.3	8.7	20.0	33.3	46.7	73.3
FZ 1367	8.3	5.7	7.0	7.3	43.3	61.7	81.7	66.7
DALZ 1707	8.3	4.7	6.7	6.0	46.7	66.7	85.0	36.7
UGA GZ 17-4	7.0	5.7	7.0	5.7	46.7	61.7	83.3	65.0
FZ 1722	8.7	3.7	7.0	6.0	50.0	60.0	78.3	36.7
FZ 1727	7.0	4.7	8.0	7.7	36.7	58.3	78.3	35.0
EMERALD	9.0	4.0	6.7	8.0	33.3	50.0	65.0	88.3
DALZ 1409	7.7	5.0	7.3	6.7	33.3	48.3	68.3	90.0
DALZ 1808	8.7	4.0	7.3	8.7	46.7	71.7	91.7	10.0
ZEON	8.0	4.0	6.7	6.7	36.7	53.3	75.0	36.7
FZ 1327	8.3	5.0	7.7	7.7	33.3	45.0	70.0	60.0
15-TZ-11715	6.3	3.3	6.3	7.7	36.7	50.0	70.0	61.7
FZ 1368	8.7	2.7	5.7	6.3	30.0	38.3	60.0	83.3
FZ 1723	8.0	2.7	5.3	7.0	33.3	53.3	76.7	88.3
FAES 1335	5.7	3.7	5.3	9.0	50.0	68.3	86.7	10.0
16-TZ-13463	9.0	3.0	5.0	6.7	36.7	50.0	63.3	90.0
FZ 1721	9.0	2.7	6.0	7.7	16.7	26.7	36.7	53.3
DALZ 1806	8.3	3.3	6.3	6.7	23.3	28.3	46.7	63.3
DALZ 1807	9.0	2.7	6.3	8.7	13.3	16.7	30.0	48.3
FZ 1728	9.0	2.7	6.0	6.0	30.0	43.3	68.3	91.7
MEYER	7.3	2.3	3.3	8.7	20.0	25.0	36.7	55.0
LSD VALUE	2.2	1.2	1.0	3.3	14.4	14.4	21.7	63.1
C.V. (%)	13.7	16.5	9.2	24.4	22.3	16.8	18.2	62.0

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 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2019 NATIONAL ZOYSIAGRASS TEST GROWN UNDER SHADE AT COLLEGE STATION, TX 1/
2020 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS							MEAN
			MAY	JUN	JUL	AUG	SEP	OCT		
DALZ 1807	7.5	8.0	7.0	7.5	7.0	7.5	7.0	7.5	7.3	
DALZ 1802	8.0	7.7	6.3	7.3	7.0	8.0	7.0	7.7	7.2	
UGA GZ 17-4	7.7	7.0	6.3	7.0	7.7	7.3	6.7	7.3	7.1	
DALZ 1408	7.7	6.7	6.3	7.0	7.0	7.0	7.0	7.0	6.9	
DALZ 1409	7.0	7.0	6.3	7.0	7.0	7.0	6.7	7.3	6.9	
FZ 1436	7.7	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.9	
FZ 1722	7.0	6.7	7.0	6.7	7.0	7.3	7.0	6.7	6.9	
DALZ 1806	7.0	7.5	6.5	7.0	6.0	7.5	6.5	7.5	6.8	
FZ 1367	7.0	7.0	6.0	6.3	7.0	7.3	7.0	7.0	6.8	
FZ 1440	7.3	7.0	5.7	6.7	7.0	7.7	7.0	7.0	6.8	
FZ 1727	6.7	6.3	6.7	7.0	7.0	6.7	7.0	6.7	6.8	
15-TZ-11715	7.0	6.0	6.3	6.7	7.0	7.0	6.7	6.7	6.7	
16-TZ-12783	7.3	5.3	6.0	6.3	6.7	7.0	7.0	7.0	6.7	
EMERALD	7.0	6.3	6.7	6.7	7.0	7.0	6.3	6.7	6.7	
FZ 1368	7.0	7.3	6.0	6.7	6.7	6.7	7.0	7.0	6.7	
FZ 1721	7.3	7.0	6.0	6.3	7.0	6.7	7.0	7.0	6.7	
FZ 1732	6.7	6.3	7.0	6.3	6.7	7.0	7.0	6.3	6.7	
16-TZ-13463	7.7	6.7	6.3	6.3	6.3	7.0	6.7	7.0	6.6	
DALZ 1614	7.3	6.3	5.7	6.3	6.7	7.0	7.0	7.0	6.6	
DALZ 1714	7.3	5.7	6.7	6.3	7.0	6.0	6.7	7.0	6.6	
FZ 1723	7.0	6.7	6.0	6.0	7.0	7.0	7.0	6.3	6.6	
FZ 1728	6.3	7.3	5.7	6.3	6.7	7.0	7.0	6.7	6.6	
ZEON	7.3	6.3	6.0	6.3	6.7	6.7	6.7	7.3	6.6	
DALZ 1713	6.7	6.0	7.0	6.3	6.3	6.0	6.7	6.7	6.5	
FAES 1319	7.0	5.3	6.3	6.3	6.7	6.3	6.7	6.7	6.5	
FAES 1335	7.0	6.3	6.0	6.0	6.7	7.0	7.0	6.3	6.5	
FZ 1407	6.7	5.0	6.7	6.0	6.7	6.0	6.7	7.0	6.5	
DALZ 1311	6.7	5.0	6.7	6.0	6.7	6.0	6.3	6.7	6.4	
DALZ 1601	6.0	5.0	6.7	6.0	6.0	6.0	6.7	6.7	6.3	
DALZ 1603	6.3	5.0	6.3	6.0	6.3	6.0	6.7	6.7	6.3	
DALZ 1613	6.3	6.3	6.0	6.0	6.7	6.3	6.3	6.7	6.3	
DALZ 1707	7.0	5.7	6.0	6.0	6.7	6.0	7.0	6.3	6.3	
FZ 1410	7.0	5.0	6.0	5.7	6.3	6.0	7.0	7.0	6.3	
FZ 1422	6.0	5.0	5.7	6.0	6.7	6.7	6.7	6.0	6.3	
EMPIRE	6.7	5.3	6.3	6.0	6.3	6.0	6.7	6.0	6.2	
FZ 1327	7.0	5.0	6.0	5.3	6.0	6.3	7.0	6.7	6.2	
DALZ 1701	6.7	6.0	5.7	5.7	5.7	6.3	6.7	6.7	6.1	
DALZ 1808	7.0	5.3	5.7	5.3	5.7	6.0	6.7	7.0	6.1	
MEYER	6.0	5.3	4.3	4.3	4.7	5.7	5.0	5.3	4.9	
LSD VALUE	1.3	0.6	1.0	1.0	0.9	0.6	0.8	1.0	0.4	
C.V. (%)	8.5	6.9	8.4	8.9	7.3	5.6	6.2	7.6	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.