

TABLE 1.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST FOR SALT STUDY AT FORT COLLINS, CO 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	FALL DENSITY	PERCENT GROUND COVER			JUN	QUALITY RATINGS				MEAN
						SPRING	SUMMER	FALL		JUL	AUG	SEP		
CARDINAL II	6.0	2.3	1.7	8.0	7.0	21.3	36.0	94.7	2.3	4.3	4.7	5.3	4.2	
RAD-FR64	6.7	2.0	1.3	7.0	7.0	15.3	28.7	88.0	2.3	4.3	5.0	5.0	4.2	
PPG-FRR-134	6.7	2.3	2.0	7.3	7.3	6.7	24.0	94.0	1.7	4.0	5.3	5.3	4.1	
PVF-HSY+	7.0	2.0	2.7	8.0	7.0	9.0	21.3	92.0	1.3	4.3	5.0	5.7	4.1	
5Z5	7.0	2.3	2.3	7.7	7.7	17.3	31.7	96.0	1.7	4.3	5.3	4.7	4.0	
PPG-FRC-130	6.0	3.7	1.7	7.7	7.7	49.7	51.3	70.3	2.7	4.0	4.3	4.0	3.8	
PPG-FRR 132	7.7	2.3	1.3	8.3	6.7	16.3	22.3	78.7	1.7	3.7	5.3	4.3	3.8	
FOXFIRE 2	6.7	2.3	2.3	8.0	7.0	16.0	22.0	86.0	1.7	4.3	4.0	4.7	3.7	
NAVIGATOR III (PPG-FRR 127)	6.7	2.3	1.7	7.3	7.0	14.7	27.0	88.3	2.0	3.3	4.0	5.0	3.6	
DLF-FRR-3128	7.0	2.7	1.0	7.7	6.7	15.7	18.0	89.3	2.0	3.3	4.0	4.7	3.5	
NAI-CHU1	6.3	3.0	1.0	8.0	7.3	30.7	39.3	80.7	2.0	4.0	3.7	4.3	3.5	
RADAR II (PPG-FRC 127)	7.0	3.3	1.7	7.7	7.0	16.3	38.7	75.7	2.0	3.0	4.0	5.0	3.5	
STB1	6.3	2.3	2.0	7.7	7.3	14.7	30.0	93.3	1.7	4.7	4.3	3.3	3.5	
PVF-PDB-2020	6.0	2.3	1.7	8.0	7.7	30.0	31.0	68.3	2.3	3.0	2.7	5.7	3.4	
BAR FRC 130	6.7	2.7	1.0	7.7	7.0	13.0	22.7	70.7	2.0	3.3	3.3	4.7	3.3	
BYE	7.7	2.0	2.0	8.0	7.3	11.7	18.0	93.0	1.7	3.3	4.0	4.3	3.3	
DLFPS-FRC-3105	5.3	3.0	1.7	7.3	7.0	21.3	25.3	78.3	2.0	3.3	3.3	4.7	3.3	
BAR FO 131	7.0	2.7	1.3	7.3	6.7	4.0	5.7	77.3	1.3	3.0	3.3	5.0	3.2	
PVF-MVP-2020	7.0	2.7	2.0	7.7	7.0	5.0	26.0	76.0	1.7	3.3	3.3	4.3	3.2	
TENACIOUS (NAI-HTB2)	6.3	2.3	1.3	8.0	7.3	15.3	30.7	71.3	2.0	3.3	3.3	4.0	3.2	
BEACON II (PPG-FL 128)	6.7	2.0	1.3	7.0	7.0	19.7	27.7	51.7	2.0	3.0	2.7	4.7	3.1	
KEVIN	7.3	2.0	1.3	8.0	6.3	3.3	15.3	84.7	1.3	3.3	4.3	3.3	3.1	
SHADOW IV (PST-4SHAD)	6.3	3.0	1.7	8.0	7.0	10.7	16.7	75.3	1.7	3.3	2.7	4.7	3.1	
BRITTANY 2	6.7	3.0	1.3	7.7	7.0	2.7	21.7	62.0	1.3	3.3	3.3	4.0	3.0	
BLUE HORNET (PPG-FO-102)	5.7	2.0	1.0	8.0	6.7	13.7	25.3	64.7	2.0	3.0	2.7	4.0	2.9	
BOREAL	5.3	3.0	1.0	7.0	5.7	24.0	26.7	76.0	2.3	3.3	2.7	3.3	2.9	
PST-4SWTM	5.7	3.0	1.0	8.0	7.0	11.3	18.3	71.0	1.7	3.0	2.7	4.3	2.9	
COMPASS II	6.3	3.3	1.0	8.0	7.3	12.7	15.0	66.7	1.7	3.3	3.0	3.0	2.8	
DA5-RHF	6.3	2.3	1.7	7.0	7.3	12.7	15.0	69.7	1.3	3.0	2.3	4.3	2.8	
SEABREEZE GT	5.3	2.7	1.7	6.7	6.7	10.7	12.0	77.0	1.7	2.7	3.3	3.3	2.8	
SPHD-20	6.3	2.0	1.3	8.5	6.7	10.0	18.3	68.3	2.0	2.7	2.3	3.7	2.7	
BAR FRC 123	6.3	2.7	1.7	8.3	7.0	2.7	13.3	61.7	1.3	2.3	2.7	4.0	2.6	
DLFPS-FL-3104	7.0	2.3	1.3	7.7	7.3	15.3	19.3	69.3	1.7	2.7	3.0	3.0	2.6	
JAMESTOWN VII	7.0	2.7	1.0	7.0	6.7	6.3	18.7	55.0	1.7	2.3	2.7	3.7	2.6	
5Z2	6.0	2.7	1.7	7.0	6.7	5.3	11.3	68.0	1.7	3.0	2.7	1.7	2.3	
BAR FRL 122	6.3	2.7	1.3	7.3	7.3	7.7	15.0	63.3	1.3	2.7	2.3	3.0	2.3	
RAD-FC59	6.7	2.0	1.0	8.0	6.7	4.0	18.3	57.7	1.7	2.0	2.7	2.7	2.3	
SWORD II (NAI-HAQ1+2)	6.7	2.0	1.3	7.5	7.3	6.7	12.3	38.3	1.3	2.0	2.0	3.7	2.3	
BAR FT 135	6.7	2.3	1.3	8.0	6.7	0.0	0.0	43.3	1.0	1.7	2.3	3.3	2.1	
QUATRO	7.3	2.0	1.3	8.3	6.0	2.0	9.7	52.7	1.3	2.0	2.0	3.0	2.1	
RESOLUTE	7.3	2.0	1.0	7.3	6.3	5.7	15.0	46.0	1.3	1.7	2.7	2.3	2.0	
GLADIATOR	7.3	2.0	1.0	7.5	6.7	1.3	3.7	21.0	1.3	1.7	1.7	3.0	1.9	
BAR FT 132	6.7	2.0	1.3	7.0	6.7	2.3	5.0	30.0	1.3	1.7	1.3	3.0	1.8	
LSD VALUE	2.3	0.9	1.1	2.7	2.3	32.8	50.2	39.7	2.2	2.4	2.2	4.1	1.8	
C.V. (%)	12.9	18.8	35.2	9.7	9.9	105.1	76.9	28.6	36.6	33.9	34.2	34.8	26.7	

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 FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT STORRS, CT 1/
2023 DATA

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

NAME	SPRING	SUMMER	FALL	PERCENT GROUND			QUALITY RATINGS						MEAN
	GREENUP	DENSITY	DENSITY	COVER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
NAVIGATOR III (PPG-FRR 127)	6.7	6.3	8.0	86.7	6.3	6.0	6.7	6.7	7.3	8.0	7.0	7.3	6.9
COMPASS II	6.7	7.0	7.7	86.7	6.0	6.0	6.7	6.7	6.3	7.7	6.7	8.0	6.8
DLFPS-FRC-3105	6.7	7.0	8.0	90.0	6.3	6.0	6.7	6.7	6.3	8.0	7.0	7.3	6.8
NAI-CHU1	6.7	7.0	8.0	90.0	6.3	6.0	6.3	6.3	6.3	8.0	7.0	8.0	6.8
PPG-FRC-130	6.7	7.0	7.7	86.7	6.0	6.0	7.0	6.7	6.7	7.7	6.7	7.3	6.8
RADAR II (PPG-FRC 127)	7.0	7.0	8.0	90.0	6.0	6.0	7.0	6.0	6.7	8.0	7.0	7.7	6.8
PVF-HSY+	6.3	6.3	7.7	86.7	6.0	6.3	6.3	6.3	6.7	7.7	6.7	7.3	6.7
BRITTANY 2	6.0	7.0	8.0	90.0	6.3	6.0	6.3	6.0	6.0	8.0	6.7	7.7	6.6
PVF-MVP-2020	6.3	7.0	7.7	86.7	6.0	6.0	6.7	6.0	6.3	7.7	6.7	7.7	6.6
PVF-PDB-2020	7.0	7.0	6.7	76.7	7.0	6.3	7.0	6.3	6.0	7.3	6.0	7.0	6.6
BAR FRC 123	5.7	7.0	7.3	76.7	6.0	6.0	7.0	6.0	6.0	7.0	6.0	7.7	6.5
BAR FRC 130	6.7	7.0	7.3	83.3	6.0	6.0	6.3	6.0	6.3	7.3	7.0	7.3	6.5
JAMESTOWN VII	6.3	6.7	7.7	86.7	6.0	6.0	6.0	6.0	6.3	8.0	6.7	7.3	6.5
PPG-FRR-134	6.7	7.0	7.3	80.0	6.3	6.3	7.0	6.3	6.0	7.0	6.0	7.0	6.5
5Z5	6.3	6.7	7.3	80.0	6.0	6.3	6.7	6.3	6.3	7.0	6.0	6.7	6.4
BAR FRL 122	6.7	7.0	7.7	83.3	6.0	6.0	6.7	5.7	6.0	7.0	7.0	7.0	6.4
BEACON II (PPG-FL 128)	7.0	7.0	7.0	73.3	6.7	6.7	6.7	6.7	5.3	6.7	6.0	6.3	6.4
BLUE HORNET (PPG-FO-102)	7.0	7.0	7.0	76.7	6.7	6.0	7.0	6.0	6.0	6.3	6.0	7.0	6.4
QUATRO	6.3	7.7	7.7	80.0	6.7	6.0	6.7	6.3	6.0	6.7	6.0	6.7	6.4
5Z2	6.3	6.3	7.3	83.3	6.0	6.3	6.7	6.0	6.0	7.0	6.0	6.3	6.3
BAR FO 131	6.0	6.7	7.7	80.0	6.0	6.0	6.3	6.0	6.3	7.0	6.3	6.7	6.3
BAR FT 135	7.0	7.0	6.3	66.7	6.7	6.3	6.7	6.3	5.7	6.0	6.0	6.3	6.3
BYE	6.3	6.7	7.7	83.3	6.0	6.0	6.0	5.7	6.3	7.7	6.3	6.7	6.3
DA5-RHF	6.7	7.0	7.0	66.7	6.3	6.7	7.0	6.3	6.0	6.3	5.7	6.3	6.3
PST-4SWTM	6.3	7.0	7.7	76.7	6.0	6.0	6.7	6.0	6.0	7.0	6.0	7.0	6.3
RAD-FC59	6.3	6.3	7.7	83.3	6.0	6.0	6.0	6.0	6.0	7.7	6.0	7.0	6.3
SHADOW IV (PST-4SHAD)	7.0	7.0	7.0	76.7	6.3	6.0	6.3	6.0	6.0	7.0	6.0	7.0	6.3
SWORD II (NAI-HAQ1+2)	7.0	7.0	6.7	63.3	6.3	6.7	7.3	6.7	5.7	6.0	5.3	6.3	6.3
DLFPS-FL-3104	6.7	7.3	6.3	66.7	6.0	7.0	7.0	6.3	6.0	6.0	5.3	5.7	6.2
FOXFIRE 2	6.3	6.7	7.0	76.7	6.0	6.0	6.3	6.0	6.0	7.3	5.7	6.3	6.2
PPG-FRR 132	6.0	6.3	7.0	80.0	6.0	6.0	6.3	6.0	6.0	7.0	6.0	6.3	6.2
STB1	6.3	6.3	7.0	80.0	6.3	6.0	6.0	5.7	5.7	7.0	5.7	7.0	6.2
SPHD-20	6.3	7.7	7.0	70.0	6.3	6.3	6.7	6.0	5.7	6.3	5.7	6.0	6.1
TENACIOUS (NAI-HTB2)	6.7	7.0	6.7	70.0	6.3	6.3	7.0	6.0	5.7	6.0	5.3	6.0	6.1
DLF-FRR-3128	6.7	6.3	6.7	66.7	6.0	6.0	6.0	6.0	5.7	6.3	5.7	6.3	6.0
GLADIATOR	5.7	7.3	6.3	66.7	6.0	6.0	6.7	6.7	5.7	5.7	5.3	6.0	6.0
KEVIN	6.3	6.7	6.0	63.3	6.7	6.0	6.0	5.3	5.7	6.0	5.7	6.3	6.0
RESOLUTE	6.0	7.0	6.7	66.7	6.3	6.3	6.7	6.0	5.7	5.7	5.7	6.0	6.0
BAR FT 132	6.7	7.0	6.0	66.7	6.7	6.3	6.0	5.7	5.0	5.7	5.7	6.0	5.9
CARDINAL II	6.3	6.3	6.3	70.0	6.0	5.7	6.0	5.3	5.0	6.7	6.0	6.3	5.9
RAD-FR64	6.3	6.0	7.0	76.7	5.7	5.7	5.7	5.0	6.0	6.7	6.0	6.3	5.9
SEABREEZE GT	6.0	6.7	6.7	70.0	6.0	5.7	5.7	5.7	5.7	6.3	5.7	6.3	5.9
BOREAL	6.0	6.0	5.7	60.0	6.0	5.7	5.3	5.0	5.3	5.7	5.0	5.3	5.4
LSD VALUE	1.7	0.7	1.0	9.2	0.9	0.7	0.8	0.9	0.8	1.0	0.7	0.9	0.4
C.V. (%)	8.7	5.5	7.9	7.6	6.1	5.4	6.9	7.7	7.7	8.6	6.7	8.2	3.7

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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 FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT NEWARK, DE 1/
2023 DATA

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

NAME	GENETIC COLOR	SUMMER PATCH	MAR	APR	MAY	JUN	QUALITY RATINGS						MEAN
							JUL	AUG	SEP	OCT	NOV	DEC	
DLFPS-FL-3104	7.0	6.3	6.3	7.0	7.0	7.0	6.7	5.7	5.3	5.7	5.7	6.7	6.3
PPG-FRC-130	6.3	6.3	5.7	6.3	6.0	6.3	5.7	6.3	5.7	6.7	6.0	6.0	6.1
BAR FT 135	7.0	6.0	6.0	5.7	6.0	6.0	6.0	5.7	5.3	5.7	6.3	7.0	6.0
BEACON II (PPG-FL 128)	5.7	5.0	6.0	6.0	6.3	7.0	5.7	6.0	5.3	5.3	6.0	6.7	6.0
SPHD-20	7.0	6.3	6.0	6.7	6.7	6.0	6.3	5.3	5.3	5.0	5.7	6.0	5.9
DLFPS-FRC-3105	6.0	6.0	5.7	5.3	6.0	6.3	5.7	6.0	5.3	5.3	6.0	6.0	5.8
FOXFIRE 2	6.3	6.0	5.7	5.7	5.7	5.7	5.7	5.3	5.7	6.0	6.0	6.3	5.8
PVF-MVP-2020	6.0	5.3	6.0	6.0	6.0	6.0	5.3	5.7	5.3	5.7	6.0	6.3	5.8
STB1	6.0	5.7	5.7	5.3	5.3	5.7	5.7	6.3	5.7	6.3	6.0	6.0	5.8
SEABREEZE GT	6.0	6.3	5.7	6.0	6.3	5.3	5.3	5.3	5.3	5.3	5.7	5.3	5.6
SWORD II (NAI-HAQ1+2)	6.7	5.7	5.7	6.0	6.0	5.7	6.0	5.3	5.0	4.7	5.3	5.3	5.5
BAR FO 131	5.7	5.7	5.7	6.0	6.0	5.3	5.3	5.3	4.3	5.0	5.3	5.7	5.4
BRITTANY 2	6.3	6.3	6.0	6.0	5.7	6.0	5.3	4.7	4.7	5.3	5.0	5.0	5.4
GLADIATOR	7.0	6.0	5.7	5.3	5.7	5.3	5.7	5.3	5.0	5.0	5.3	5.3	5.4
PPG-FRR 132	6.0	5.0	5.7	6.3	6.0	5.7	5.3	5.3	4.7	4.3	4.7	6.0	5.4
BAR FRC 123	6.0	6.0	5.7	5.7	5.7	5.3	5.3	5.3	4.7	4.7	4.7	4.7	5.2
DLF-FRR-3128	6.3	6.0	5.0	4.7	5.0	5.0	5.0	5.7	4.7	5.3	5.7	6.0	5.2
KEVIN	7.0	5.7	5.3	5.7	5.3	5.0	5.3	5.3	5.0	5.7	5.0	4.7	5.2
RADAR II (PPG-FRC 127)	6.3	6.7	4.3	5.3	5.3	5.3	5.3	4.7	5.0	5.3	5.7	5.3	5.2
TENACIOUS (NAI-HTB2)	7.7	4.7	5.0	5.0	5.3	6.3	5.7	4.7	4.7	4.7	5.3	5.3	5.2
5Z2	6.3	6.3	5.0	6.0	5.7	5.0	4.7	5.0	4.7	5.0	5.0	5.3	5.1
BAR FRL 122	6.0	5.3	5.3	5.7	5.7	5.7	5.0	4.0	4.0	4.0	5.0	6.0	5.0
PPG-FRR-134	6.0	6.0	4.7	4.7	5.3	5.3	5.0	4.7	4.7	4.7	5.0	5.7	5.0
RESOLUTE	7.3	5.0	4.3	4.0	5.0	5.3	5.3	4.7	4.7	5.0	5.3	6.0	5.0
NAI-CHU1	6.0	5.7	4.7	4.7	4.7	4.7	5.0	5.0	5.0	5.0	5.3	4.7	4.9
SHADOW IV (PST-4SHAD)	6.0	4.7	5.0	5.3	5.7	5.3	5.0	4.7	4.7	4.0	4.7	4.7	4.9
5Z5	6.0	6.0	4.7	4.3	5.0	5.3	5.0	4.7	4.3	5.0	5.0	5.0	4.8
JAMESTOWN VII	6.3	6.0	4.7	4.7	5.0	4.7	5.0	5.0	4.0	4.3	5.3	5.3	4.8
PST-4SWTM	6.0	5.3	5.7	5.7	5.0	5.3	4.7	4.0	4.3	4.3	4.3	4.3	4.8
RAD-FR64	6.7	6.0	5.0	5.3	5.7	5.0	4.0	4.0	4.3	4.3	5.0	5.3	4.8
BYE	6.0	6.0	5.0	4.3	5.0	4.7	5.0	4.3	4.3	4.7	5.0	5.0	4.7
PVF-HSY+	6.0	6.0	5.0	5.7	5.0	4.7	5.0	3.7	4.3	4.7	4.3	4.3	4.7
COMPASS II	6.3	6.0	4.3	4.7	5.0	5.0	4.7	4.3	4.3	4.7	4.7	4.3	4.6
NAVIGATOR III (PPG-FRR 127)	6.3	5.3	5.0	5.3	5.3	4.3	4.3	4.0	4.0	3.7	4.7	5.0	4.6
PVF-PDB-2020	7.0	5.0	4.7	5.3	5.0	5.3	5.0	3.7	3.7	4.0	4.7	5.0	4.6
QUATRO	6.3	5.3	4.7	4.3	4.7	4.3	4.3	4.7	4.0	4.3	5.0	5.3	4.6
DA5-RHF	6.7	5.3	4.0	4.3	4.7	5.0	4.7	4.0	4.0	4.3	5.0	5.0	4.5
CARDINAL II	6.7	5.7	4.3	4.7	4.7	5.0	4.0	4.0	3.7	4.3	4.7	5.0	4.4
BLUE HORNET (PPG-FO-102)	5.7	4.7	4.3	4.0	4.7	4.7	4.7	4.0	3.3	3.7	4.0	4.3	4.2
BAR FT 132	5.7	4.3	4.0	3.7	4.0	4.3	4.3	3.3	3.3	3.3	3.7	4.3	3.8
BOREAL	5.3	4.3	3.7	4.0	4.0	4.0	3.7	3.3	3.0	3.3	3.3	3.3	3.6
RAD-FC59	5.0	4.0	4.0	3.7	4.3	4.0	4.0	3.3	3.3	3.3	3.3	2.7	3.6
BAR FRC 130	4.3	4.0	3.7	3.3	3.3	3.7	3.7	3.0	3.0	2.7	3.3	3.7	3.3
LSD VALUE	3.0	5.7	6.9	5.8	4.4	5.1	4.6	5.0	5.5	4.2	5.1	5.0	4.7
C.V. (%)	15.4	24.3	30.2	29.8	23.5	25.5	23.9	30.5	30.4	28.3	26.8	28.4	24.8

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 FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT AMES, IA 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	FALL DENSITY	PERCENT SPRING	GROUND SUMMER	COVER FALL	APR	MAY	QUALITY RATINGS						MEAN
											JUN	JUL	AUG	SEP	OCT	NOVE	
BAR FT 135	6.3	3.3	8.3	6.7	8.7	99.0	79.7	94.7	7.3	7.0	8.0	7.7	7.0	6.3	6.0	6.0	6.9
BYE	6.0	6.7	3.0	6.0	8.0	99.0	78.0	88.3	6.3	7.0	7.3	7.3	7.0	5.3	6.0	6.3	6.6
DLFPS-FRC-3105	3.7	6.7	5.7	7.3	8.0	99.0	96.3	93.7	6.7	7.0	7.7	7.3	7.0	5.3	6.0	6.0	6.6
NAI-CHU1	4.0	7.0	4.3	5.7	5.7	99.0	78.7	70.7	6.7	7.0	8.0	7.0	7.0	5.0	6.0	6.3	6.6
SPHD-20	7.0	6.3	6.7	4.3	6.7	99.0	59.0	89.0	7.0	7.0	8.0	6.7	6.3	5.7	6.0	6.3	6.6
5Z2	6.7	5.7	5.3	7.7	7.7	99.0	80.0	90.7	6.0	7.0	8.0	7.3	6.7	5.0	6.0	6.3	6.5
BAR FO 131	7.3	5.3	7.0	6.0	7.7	99.0	64.3	88.7	6.7	7.3	8.0	6.3	6.3	5.3	6.0	6.0	6.5
BAR FT 132	5.3	4.3	7.3	5.0	7.3	99.0	72.7	92.0	7.0	7.0	6.3	7.3	6.7	5.3	6.0	6.0	6.5
BRITTANY 2	4.7	7.0	5.3	6.0	7.7	99.0	68.3	80.7	6.3	6.7	8.0	7.7	6.0	5.3	6.0	6.0	6.5
CARDINAL II	7.3	5.7	3.3	6.0	8.0	99.0	79.7	78.3	6.0	6.7	7.7	7.0	7.0	5.3	6.0	6.3	6.5
DA5-RHF	6.7	4.7	7.7	4.3	7.7	99.0	85.7	93.0	7.0	7.0	7.3	6.0	6.3	6.0	6.0	6.0	6.5
DLFPS-FL-3104	8.3	5.0	7.7	6.0	7.3	99.0	80.7	96.3	7.3	6.7	7.3	7.0	6.3	5.3	6.0	6.0	6.5
NAVIGATOR III (PPG-FRR 127)	4.0	6.3	5.0	6.3	6.7	99.0	84.7	86.0	6.7	7.0	7.7	7.0	6.7	5.0	6.0	6.0	6.5
PPG-FRR-134	3.7	6.0	3.7	6.7	8.0	99.0	84.3	88.7	6.0	7.0	7.3	7.3	6.7	5.0	6.0	6.3	6.5
PVF-HSY+	5.7	5.7	4.7	6.7	8.7	99.0	85.3	85.0	6.3	6.7	7.0	7.3	7.0	5.3	6.0	6.7	6.5
RAD-FR64	7.0	7.0	4.0	4.7	7.7	99.0	72.0	89.0	6.3	7.0	7.3	7.0	6.7	5.0	6.0	6.3	6.5
SWORD II (NAI-HAQ1+2)	7.0	4.7	7.7	5.0	6.3	99.0	67.0	88.7	6.0	7.7	7.7	7.0	6.7	5.0	6.0	6.0	6.5
FOXFIRE 2	7.0	5.0	5.0	6.7	6.7	98.7	74.0	61.0	7.0	6.3	7.0	7.7	6.3	5.3	5.7	6.0	6.4
KEVIN	7.0	6.7	3.3	4.0	7.3	99.0	73.3	69.7	6.0	7.0	7.0	7.0	6.7	5.7	6.0	6.0	6.4
RADAR II (PPG-FRC 127)	2.7	5.3	6.0	8.3	8.3	99.0	88.0	95.7	6.7	6.7	7.0	6.7	6.7	5.0	6.0	6.3	6.4
5Z5	5.7	6.0	3.3	7.0	8.3	99.0	84.0	88.0	5.7	6.7	7.3	6.7	7.0	5.0	6.0	6.0	6.3
BAR FRC 123	4.3	4.0	7.3	6.0	8.0	99.0	64.7	89.0	6.7	6.3	7.3	6.3	6.3	5.0	6.0	6.3	6.3
BAR FRL 122	3.3	2.7	8.0	6.0	8.0	99.0	92.3	98.7	6.7	6.3	7.0	7.3	6.3	5.0	6.0	6.0	6.3
BEACON II (PPG-FL 128)	6.7	3.7	7.7	6.3	7.3	99.0	73.7	95.7	6.3	7.0	6.3	7.0	6.0	5.3	6.0	6.0	6.3
BLUE HORNET (PPG-FO-102)	5.3	1.7	8.7	6.7	8.3	99.0	73.7	98.0	7.0	6.7	6.7	6.3	6.3	5.3	6.0	6.0	6.3
COMPASS II	5.0	5.7	6.0	4.0	7.3	99.0	77.0	92.7	6.3	7.0	7.3	6.0	7.0	5.0	6.0	6.0	6.3
JAMESTOWN VII	6.3	6.3	5.3	5.3	7.0	99.0	68.3	83.7	6.3	6.7	8.0	6.3	6.0	5.0	6.0	5.7	6.3
PPG-FRR 132	5.0	6.7	3.7	7.0	7.7	99.0	86.3	89.7	6.0	6.3	7.0	7.3	6.7	5.0	6.0	6.0	6.3
PST-4SWTM	4.0	6.3	5.0	7.0	7.7	99.0	72.3	85.3	6.0	6.7	7.3	6.3	6.7	5.0	6.0	6.0	6.3
PVF-PDB-2020	5.3	4.7	8.0	5.3	8.3	99.0	86.0	97.3	6.7	6.7	6.3	6.7	6.7	5.7	6.0	6.0	6.3
RAD-FC59	7.3	7.3	3.3	5.0	6.3	99.0	65.3	79.0	6.0	7.0	7.7	6.3	6.3	4.7	6.0	6.7	6.3
RESOLUTE	6.3	5.3	7.3	4.7	7.3	99.0	70.3	91.3	6.7	7.3	6.7	6.3	6.3	5.3	6.0	6.0	6.3
SEABREEZE GT	4.7	4.0	5.3	7.7	8.3	99.0	88.0	95.0	6.7	6.3	6.7	7.0	6.7	5.0	6.0	6.0	6.3
SHADOW IV (PST-4SHAD)	7.0	5.0	6.7	7.7	8.0	99.0	75.7	95.0	6.0	6.7	7.3	6.3	6.7	5.0	6.0	6.0	6.3
STB1	5.7	6.7	2.7	7.3	7.3	99.0	84.0	76.3	6.0	6.7	6.7	6.7	6.7	5.3	6.0	6.0	6.3
TENACIOUS (NAI-HTB2)	6.7	5.3	7.0	5.0	6.7	99.0	65.0	92.0	6.3	7.3	6.7	6.3	6.0	5.3	6.0	6.0	6.3
BAR FRC 130	4.0	3.7	7.7	7.3	8.7	99.0	83.3	94.3	6.7	7.0	7.3	5.7	6.3	5.0	5.7	6.0	6.2
BOREAL	6.0	5.7	5.3	6.3	6.7	98.0	68.0	68.7	6.0	6.0	6.7	7.0	6.7	5.3	6.0	6.0	6.2
GLADIATOR	7.3	5.7	7.3	4.3	7.7	99.0	73.0	88.3	6.3	6.7	6.7	6.3	6.7	5.0	6.0	5.7	6.2
PPG-FRC-130	4.0	7.0	4.3	7.7	7.3	99.0	73.0	93.3	6.0	6.7	7.0	6.3	6.3	5.0	6.0	6.3	6.2
PVF-MVP-2020	4.7	7.0	4.3	6.7	8.0	99.0	71.0	88.3	6.3	6.7	7.3	6.7	6.0	4.7	6.0	6.0	6.2
QUATRO	6.0	3.3	8.3	5.3	7.0	99.0	68.7	91.7	6.3	7.3	6.3	6.0	6.0	5.0	6.0	6.0	6.1
DLF-FRR-3128	6.0	7.0	2.3	6.7	7.7	98.0	78.3	74.7	5.3	5.7	7.3	6.3	6.7	5.0	6.0	6.0	6.0
LSD VALUE	2.6	2.2	2.1	3.7	4.1	1.4	24.6	12.2	1.5	1.1	1.6	1.9	1.5	1.2	1.0	1.0	0.5
C.V. (%)	25.0	23.1	22.7	25.3	15.6	0.4	14.3	8.4	9.3	7.1	9.5	10.7	7.6	8.8	3.2	5.3	3.3

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 FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT AMES (SHADE), IA 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	JUN	QUALITY RATINGS					MEAN
									JUL	AUG	SEP	OCT	NOV	
RADAR II (PPG-FRC 127)	5.0	5.7	8.7	8.0	8.7	6.3	6.0	6.0	6.0	6.0	6.0	6.7	7.0	6.3
BAR FRC 123	4.7	6.3	8.7	8.0	7.7	5.3	6.3	6.3	6.7	6.0	6.0	6.3	6.7	6.2
COMPASS II	4.0	7.3	9.0	8.7	7.7	6.3	6.0	5.7	6.7	6.0	6.0	6.0	7.0	6.2
NAI-CHU1	4.3	6.7	9.0	8.7	9.0	5.7	6.7	6.0	6.3	6.0	6.0	6.3	6.7	6.2
PPG-FRR-134	6.3	5.7	8.3	7.0	7.7	6.0	6.7	5.7	6.0	6.0	6.0	6.0	7.0	6.2
RAD-FC59	5.7	6.7	9.0	7.3	8.3	6.0	6.3	6.0	6.0	6.0	6.0	6.3	6.7	6.2
STB1	5.3	5.7	8.7	6.7	7.3	6.0	6.3	5.7	6.7	5.7	6.0	6.0	7.0	6.2
5Z5	6.0	4.7	8.3	5.7	6.7	6.0	6.0	6.0	6.3	6.0	5.7	5.7	7.0	6.1
BYE	5.3	5.0	8.0	6.3	5.3	5.7	6.3	6.7	6.0	5.7	6.0	5.7	7.0	6.1
DLF-FRR-3128	6.3	5.0	8.3	6.0	6.7	5.7	6.7	5.3	6.3	6.0	6.0	6.0	7.0	6.1
JAMESTOWN VII	5.3	7.0	8.7	7.0	7.3	6.0	6.0	6.0	6.3	6.0	6.0	6.0	6.7	6.1
PVF-HSY+	4.3	6.0	8.3	6.7	6.7	5.7	5.7	6.0	6.7	6.0	6.0	6.3	6.3	6.1
PVF-MVP-2020	5.0	5.3	8.7	9.0	8.0	5.3	6.0	5.7	6.3	6.0	6.0	6.3	7.0	6.1
RESOLUTE	5.7	6.3	8.0	8.3	6.3	6.0	6.7	6.0	6.0	6.0	6.0	6.0	6.3	6.1
5Z2	7.3	4.7	6.0	5.0	6.7	5.7	6.0	5.7	6.0	6.0	6.0	6.0	6.7	6.0
BAR FRC 130	4.3	5.0	8.3	8.7	7.0	5.3	6.0	6.0	5.7	6.0	6.0	6.0	6.7	6.0
BAR FRL 122	5.0	6.7	8.3	8.7	8.0	5.7	5.7	5.7	6.3	6.0	6.0	6.3	6.7	6.0
BLUE HORNET (PPG-FO-102)	5.3	7.0	8.0	7.0	5.0	6.0	6.0	5.3	6.0	6.0	6.0	5.7	7.0	6.0
BRITTANY 2	4.7	4.7	8.7	8.0	7.3	5.7	6.3	6.0	6.0	5.7	6.0	6.0	6.7	6.0
CARDINAL II	5.7	5.0	6.3	6.3	6.7	5.7	6.0	5.3	6.0	6.0	6.0	5.7	7.0	6.0
DLFPS-FL-3104	6.3	6.3	8.3	7.7	5.3	5.7	6.7	5.0	6.0	6.0	6.0	6.0	6.3	6.0
DLFPS-FRC-3105	5.7	5.3	8.7	8.7	6.7	5.3	6.7	5.3	6.0	5.7	6.0	6.3	6.3	6.0
PPG-FRC-130	5.0	4.0	9.0	8.7	8.3	5.3	6.3	5.7	5.7	6.0	6.0	6.0	7.0	6.0
PST-4SWTM	7.0	4.3	7.7	8.0	7.7	5.0	6.7	5.7	6.0	6.0	6.0	6.0	7.0	6.0
SEABREEZE GT	6.3	6.0	7.7	7.0	7.3	5.7	6.3	5.7	6.0	6.0	6.0	6.0	6.7	6.0
SHADOW IV (PST-4SHAD)	4.0	5.0	8.7	8.0	6.0	5.3	6.0	5.7	6.3	6.0	6.0	6.0	6.3	6.0
SPHD-20	5.3	5.0	8.7	6.7	6.0	6.0	6.7	5.3	6.0	6.0	6.0	5.7	6.7	6.0
SWORD II (NAI-HAQ1+2)	5.0	6.7	8.3	7.3	7.7	6.0	6.0	5.0	6.3	6.0	6.0	6.0	6.7	6.0
BEACON II (PPG-FL 128)	6.0	4.7	8.7	6.3	5.0	5.3	6.0	6.3	6.0	5.7	5.7	5.7	6.3	5.9
BOREAL	5.3	5.3	7.7	5.0	4.7	5.7	6.3	5.7	6.0	5.7	6.0	5.3	6.7	5.9
FOXFIRE 2	7.3	5.7	6.3	5.7	5.3	5.7	6.0	5.0	6.3	6.0	5.7	6.3	6.3	5.9
NAVIGATOR III (PPG-FRR 127)	7.3	4.3	7.3	5.7	7.0	5.3	6.0	5.3	6.0	5.7	6.0	6.0	6.7	5.9
PVF-PDB-2020	7.0	4.7	8.3	5.7	5.7	5.0	6.7	5.3	6.0	6.0	6.0	5.7	6.3	5.9
RAD-FR64	6.0	5.7	7.0	4.7	5.3	5.7	6.0	5.3	5.7	6.0	6.0	6.0	6.7	5.9
TENACIOUS (NAI-HTB2)	5.7	4.7	8.7	8.3	7.3	5.7	6.7	5.3	5.7	6.0	5.7	6.0	6.3	5.9
DA5-RHF	6.3	4.3	7.7	6.7	6.0	5.0	6.3	5.7	5.7	5.7	6.0	5.7	6.3	5.8
GLADIATOR	4.3	5.7	7.3	8.0	5.0	5.3	6.0	5.7	6.7	6.0	5.7	5.7	5.7	5.8
PPG-FRR 132	5.3	4.7	7.3	6.3	6.7	4.7	5.7	5.3	5.7	6.0	6.0	6.0	7.0	5.8
QUATRO	5.7	6.0	7.3	7.0	4.7	5.7	6.0	5.7	5.7	5.7	6.0	6.0	6.0	5.8
BAR FO 131	3.7	6.0	6.0	5.3	5.0	5.3	5.3	5.7	6.0	5.7	5.7	6.0	5.7	5.7
KEVIN	5.7	4.0	6.0	4.3	6.3	5.0	5.3	5.0	5.7	6.0	6.0	6.0	6.3	5.7
BAR FT 135	5.3	5.3	8.3	5.7	3.7	5.0	6.0	5.3	6.0	5.3	5.7	6.0	5.3	5.6
BAR FT 132	4.3	5.0	5.0	4.3	4.0	5.3	5.0	5.0	5.7	6.0	6.0	5.7	5.7	5.5
LSD VALUE	4.7	9.1	2.4	2.8	4.6	4.2	2.4	1.4	1.4	1.3	0.9	1.4	1.9	0.6
C.V. (%)	27.3	35.8	14.7	21.3	27.9	15.8	11.2	9.7	7.8	5.4	3.9	7.2	9.9	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 5.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT AMES (SHADE), IA 1/
2023 DATA

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

NAME	PERCENT GROUND COVER RATINGS					
	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
RADAR II (PPG-FRC 127)	71.3	97.3	91.0	94.0	82.7	95.0
BAR FRC 123	75.0	98.3	92.0	84.0	72.3	85.3
COMPASS II	82.0	99.0	97.0	90.0	85.3	86.3
NAI-CHUI	77.3	99.0	96.7	98.7	82.3	98.0
PPG-FRR-134	71.3	96.3	86.0	88.7	84.0	86.7
RAD-FC59	77.7	98.7	88.7	89.0	88.0	92.7
STB1	71.3	98.3	81.0	80.0	72.3	78.0
5Z5	66.3	97.3	74.3	76.7	67.3	76.7
BYE	65.3	95.3	79.7	73.3	68.0	60.3
DLF-FRR-3128	66.3	96.0	77.0	87.3	75.0	74.3
JAMESTOWN VII	79.0	97.7	85.7	81.0	85.3	81.3
PVF-HSY+	73.0	96.7	83.7	91.0	87.3	72.0
PVF-MVP-2020	65.7	98.3	97.3	91.3	89.7	87.0
RESOLUTE	77.3	94.3	95.0	87.3	84.3	69.0
5Z2	62.3	86.3	71.0	86.3	90.0	71.7
BAR FRC 130	63.3	96.3	97.0	87.7	83.0	74.3
BAR FRL 122	79.3	96.3	96.0	96.3	90.0	89.3
BLUE HORNET (PPG-FO-102)	81.0	95.3	86.7	72.0	75.3	55.7
BRITTANY 2	63.7	97.0	92.7	89.7	65.0	82.0
CARDINAL II	64.0	88.0	79.3	84.7	76.7	71.7
DLFPS-FL-3104	77.0	96.3	88.0	84.3	84.7	61.7
DLFPS-FRC-3105	66.3	98.0	95.0	79.3	78.0	76.0
PPG-FRC-130	55.7	98.7	96.7	90.3	71.0	91.7
PST-4SWTM	59.3	93.7	91.0	82.0	76.3	80.7
SEABREEZE GT	75.0	93.3	85.3	83.7	73.3	84.3
SHADOW IV (PST-4SHAD)	68.7	97.7	92.0	90.7	77.3	67.3
SPHD-20	66.0	97.7	83.7	78.7	68.3	67.0
SWORD II (NAI-HAQ1+2)	79.0	95.7	87.0	87.0	93.7	84.0
BEACON II (PPG-FL 128)	63.0	97.3	79.7	71.7	72.7	58.0
BOREAL	70.3	93.3	68.3	76.7	76.7	52.0
FOXFIRE 2	70.3	86.7	76.7	76.0	70.3	60.3
NAVIGATOR III (PPG-FRR 127)	60.0	92.3	73.3	77.0	80.0	78.3
PVF-PDB-2020	63.0	96.7	73.7	72.0	71.3	65.3
RAD-FR64	71.7	91.7	65.7	72.3	83.7	58.3
TENACIOUS (NAI-HTB2)	61.0	98.3	91.3	87.0	83.3	83.0
DA5-RHF	59.0	93.3	83.3	80.7	74.0	66.3
GLADIATOR	70.3	92.3	91.7	76.7	68.7	54.0
PPG-FRR 132	61.3	91.7	80.3	82.7	73.0	74.3
QUATRO	74.7	93.0	85.0	79.0	88.0	53.3
BAR FO 131	71.3	86.0	72.0	67.3	58.3	57.0
KEVIN	57.3	86.3	66.7	76.3	68.7	70.3
BAR FT 135	67.3	97.0	72.3	66.0	67.3	38.7
BAR FT 132	64.3	82.0	65.0	70.3	76.0	47.0
LSD VALUE	68.4	11.4	19.3	52.8	63.6	49.6
C.V. (%)	22.0	5.6	12.3	17.3	20.3	27.0

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 6.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT WEST LAFAYETTE, IN 1/
2023 DATA

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

NAME	GENETIC	PERCENT	GROUND	DOLLAR	QUALITY RATINGS								
	COLOR	COVER	SPRING	SPOT	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
NAI-CHU1	7.3	91.7	6.0	6.0	7.3	7.3	7.3	7.7	4.7	6.7	6.7	6.7	6.8
RADAR II (PPG-FRC 127)	7.3	85.7	6.3	6.3	6.3	7.0	7.3	6.7	5.0	6.3	6.7	6.7	6.5
BRITTANY 2	7.3	87.3	5.0	5.0	6.3	6.7	7.0	7.0	4.7	5.3	7.3	7.0	6.4
DLFPS-FRC-3105	6.7	86.7	6.3	6.3	6.7	6.7	7.3	6.3	4.7	5.7	6.7	6.3	6.3
5Z2	6.0	76.7	5.0	5.0	6.0	5.7	6.0	7.0	4.7	5.7	6.0	6.0	5.9
BYE	7.3	76.7	5.7	5.7	4.7	5.3	6.0	6.3	5.0	5.7	6.3	6.7	5.8
PPG-FRC-130	7.7	80.0	6.3	6.3	4.7	5.7	5.7	6.0	4.3	6.3	6.7	6.7	5.8
5Z5	6.0	73.3	6.0	6.0	5.0	5.3	5.3	6.7	4.3	6.0	6.3	6.3	5.7
PVF-MVP-2020	6.7	76.7	6.3	6.3	5.3	5.7	5.7	6.7	4.3	5.3	6.3	6.3	5.7
STB1	5.7	75.0	6.0	6.0	5.7	5.7	6.3	6.3	4.7	5.0	6.0	6.0	5.7
COMPASS II	7.0	65.0	6.3	6.3	4.7	5.3	5.0	5.7	4.3	6.0	6.3	6.3	5.5
DLF-FRR-3128	6.0	70.0	6.7	6.7	5.0	5.3	6.3	6.7	5.0	5.3	5.0	5.0	5.5
PPG-FRR 132	6.3	76.7	6.7	6.7	5.3	5.0	5.3	6.3	5.3	5.7	5.7	5.7	5.5
PPG-FRR-134	6.0	65.0	7.0	7.0	4.7	5.0	5.7	6.0	5.0	6.3	5.7	5.7	5.5
SEABREEZE GT	4.0	80.0	5.7	5.7	6.0	5.7	6.0	5.7	4.0	4.3	5.7	5.7	5.4
SHADOW IV (PST-4SHAD)	6.0	75.0	6.7	6.7	5.3	5.3	5.0	5.7	4.3	5.3	6.0	6.3	5.4
NAVIGATOR III (PPG-FRR 127)	7.0	78.3	5.3	5.3	5.3	5.3	5.3	6.0	4.7	5.3	5.3	5.3	5.3
PVF-HSY+	6.3	73.3	6.7	6.7	4.7	5.0	5.7	5.3	4.7	4.7	5.7	5.3	5.1
JAMESTOWN VII	6.3	66.7	5.3	5.3	5.0	4.7	5.3	5.3	4.3	4.7	5.3	5.3	5.0
RAD-FC59	7.3	43.3	6.7	6.7	3.7	4.3	4.7	5.0	4.7	5.0	5.7	5.7	4.8
KEVIN	6.0	51.7	7.0	7.0	4.0	4.7	4.3	5.0	4.0	5.0	5.3	5.0	4.7
FOXFIRE 2	6.0	53.3	6.3	6.3	3.7	4.7	4.3	4.7	4.3	4.3	5.3	5.3	4.6
BAR FRL 122	4.3	56.7	6.3	6.3	4.0	4.7	4.7	4.3	3.3	4.0	4.7	5.0	4.3
RAD-FR64	5.7	48.3	5.3	5.3	3.7	3.7	4.0	4.7	3.7	4.7	5.0	5.3	4.3
CARDINAL II	5.7	40.7	6.0	6.0	2.7	3.3	4.0	4.3	3.7	4.3	5.3	5.3	4.1
BAR FRC 123	6.0	43.3	6.7	6.7	3.3	4.3	3.7	4.7	4.3	4.0	3.7	3.7	4.0
PST-4SWTM	6.0	38.3	7.7	7.7	3.7	3.3	3.3	4.0	3.3	4.0	4.7	4.7	3.9
BAR FRC 130	6.0	31.7	6.0	6.0	3.0	3.3	3.3	4.0	3.7	4.0	4.0	4.3	3.7
DA5-RHF	6.3	15.0	7.0	7.0	2.3	3.0	2.0	3.3	2.7	3.0	3.3	3.3	2.9
BEACON II (PPG-FL 128)	6.7	22.0	7.0	7.0	2.3	3.0	2.3	3.0	2.3	3.0	2.7	3.0	2.7
BOREAL	5.5	16.0	.	.	2.3	2.0	2.3	2.7	2.0	2.0	2.7	2.7	2.3
PVF-PDB-2020	6.3	8.7	.	.	2.0	1.7	2.7	2.3	2.0	2.3	2.7	2.7	2.3
BLUE HORNET (PPG-FO-102)	7.0	5.7	7.0	7.0	1.7	2.0	2.0	2.3	2.0	1.7	1.7	1.7	1.9
RESOLUTE	6.5	11.7	.	.	1.7	1.3	2.0	2.0	1.7	1.7	2.3	2.3	1.9
SWORD II (NAI-HAQ1+2)	6.0	2.3	.	.	1.0	2.0	2.0	2.0	2.0	1.7	2.0	2.3	1.9
TENACIOUS (NAI-HTB2)	7.0	4.7	7.0	7.0	1.7	1.7	1.3	1.7	2.0	1.7	2.0	2.0	1.8
BAR FO 131	6.0	7.3	.	.	1.7	1.0	2.0	2.0	2.0	1.3	1.7	1.7	1.7
SPHD-20	8.0	4.0	8.0	8.0	1.3	1.7	2.3	1.7	1.7	1.3	1.7	1.7	1.7
DLFPS-FL-3104	7.0	6.7	.	.	1.3	1.3	1.7	1.7	1.3	1.7	1.3	1.3	1.5
GLADIATOR	6.0	4.7	.	.	1.3	1.7	1.3	1.7	1.7	1.3	1.3	1.3	1.5
QUATRO	6.0	2.0	.	.	1.0	1.3	1.7	1.3	1.0	1.3	1.7	1.7	1.4
BAR FT 132	.	3.0	.	.	1.3	1.3	1.7	1.7	1.3	1.0	1.0	1.0	1.3
BAR FT 135	.	3.0	.	.	1.0	1.7	1.3	1.7	1.7	1.0	1.0	1.0	1.3
LSD VALUE	1.3	15.0	3.6	3.6	1.2	1.3	1.2	1.2	1.0	1.1	1.2	1.3	0.8
C.V. (%)	10.3	22.3	16.2	16.2	21.7	22.6	19.4	18.7	19.7	18.7	19.1	20.0	13.9

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 7.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT MANHATTAN, KS 1/
2023 DATA

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

NAME	WILTING	QUALITY RATINGS					SEP	MEAN
		MAY	JUN	JUL	AUG			
DLFPS-FL-3104	7.7	5.7	5.0	5.3	6.7	6.3	5.8	
PVF-PDB-2020	7.3	5.7	5.7	6.0	6.0	5.7	5.8	
BAR FT 132	6.0	6.0	6.0	6.0	5.3	5.0	5.7	
SPHD-20	7.3	5.3	5.0	6.0	6.3	5.7	5.7	
BAR FT 135	7.0	6.0	5.3	5.3	6.0	5.3	5.6	
RESOLUTE	7.0	6.0	5.7	5.7	5.7	5.0	5.6	
SWORD II (NAI-HAQ1+2)	8.0	5.3	5.3	6.0	6.0	5.0	5.5	
BEACON II (PPG-FL 128)	6.7	5.3	4.3	5.7	5.3	5.0	5.1	
TENACIOUS (NAI-HTB2)	7.3	6.0	4.0	5.3	5.7	4.7	5.1	
DA5-RHF	5.7	5.0	5.3	5.0	4.7	4.7	4.9	
PVF-MVP-2020	4.7	4.0	4.0	5.7	4.3	6.0	4.8	
PVF-HSY+	6.3	3.7	3.7	5.0	5.0	6.3	4.7	
DLFPS-FRC-3105	5.0	4.0	4.0	5.0	4.7	5.3	4.6	
PPG-FRR-134	6.0	4.3	4.0	4.7	4.7	5.3	4.6	
BYE	7.0	3.7	4.0	4.7	5.0	5.3	4.5	
PPG-FRC-130	5.0	3.3	4.0	5.0	4.7	5.0	4.4	
5Z5	6.7	3.7	3.3	4.0	4.7	5.7	4.3	
BLUE HORNET (PPG-FO-102)	5.3	4.3	4.3	4.7	4.3	4.0	4.3	
JAMESTOWN VII	5.0	4.3	4.0	4.7	4.0	4.7	4.3	
BAR FRC 130	5.0	4.7	4.0	4.0	4.3	4.0	4.2	
NAVIGATOR III (PPG-FRR 127)	5.0	3.7	3.7	4.3	4.0	4.7	4.1	
PST-4SWTM	4.7	4.3	4.3	4.7	4.0	3.3	4.1	
STB1	4.7	3.3	4.0	4.3	4.7	4.0	4.1	
BAR FRC 123	4.0	4.3	4.0	4.0	4.0	3.7	4.0	
BAR FRL 122	5.7	4.0	3.7	4.3	4.0	4.0	4.0	
DLF-FRR-3128	6.0	3.3	3.0	4.3	4.3	4.3	3.9	
KEVIN	5.0	4.0	3.7	4.3	4.0	3.7	3.9	
NAI-CHU1	6.0	3.3	3.3	4.0	4.3	4.7	3.9	
RAD-FR64	5.3	4.0	3.7	4.0	4.0	3.7	3.9	
RADAR II (PPG-FRC 127)	5.3	3.3	3.7	4.0	4.3	4.3	3.9	
5Z2	5.3	3.3	3.3	3.7	3.7	4.3	3.7	
BRITTANY 2	5.7	3.0	3.7	4.0	4.0	4.0	3.7	
RAD-FC59	4.7	3.0	3.3	4.3	3.7	4.0	3.7	
FOXFIRE 2	4.0	3.3	3.3	4.0	3.3	3.3	3.5	
SHADOW IV (PST-4SHAD)	4.3	3.7	3.7	3.7	3.7	3.0	3.5	
BAR FO 131	3.3	3.0	3.7	3.3	3.0	3.3	3.3	
PPG-FRR 132	5.0	3.0	3.3	3.3	3.7	3.0	3.3	
BOREAL	.	.	.	.	.	.	.
CARDINAL II	.	.	.	.	.	.	.
COMPASS II	.	.	.	.	.	.	.
GLADIATOR	.	.	.	.	.	.	.
QUATRO	.	.	.	.	.	.	.
SEABREEZE GT	.	.	.	.	.	.	.
LSD VALUE	1.5	1.5	1.4	1.5	1.9	1.8	1.2	
C.V. (%)	16.2	20.7	19.3	17.7	21.6	21.3	15.5	

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 FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2023 DATA

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS								
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
BEACON II (PPG-FL 128)	7.0	6.3	6.3	7.0	5.7	6.0	6.7	7.0	6.7	7.0	6.0	6.5
SWORD II (NAI-HAQ1+2)	7.0	7.0	6.7	6.7	6.3	6.3	6.0	7.0	6.3	6.7	5.7	6.4
DLFPS-FL-3104	7.7	7.0	6.3	6.7	6.3	6.3	6.3	6.7	5.7	6.0	6.0	6.3
PVF-PDB-2020	6.3	5.7	7.0	6.7	5.7	5.7	6.7	6.0	6.3	6.3	6.0	6.2
TENACIOUS (NAI-HTB2)	6.7	6.0	5.7	6.7	6.3	6.3	6.0	5.7	6.3	6.0	6.0	6.2
COMPASS II	4.3	4.7	4.3	7.0	6.0	5.7	4.3	5.7	7.7	7.3	5.0	6.1
GLADIATOR	6.3	6.3	6.3	6.7	6.3	5.3	5.7	5.7	6.7	6.7	6.0	6.1
BRITTANY 2	5.3	5.0	4.7	7.0	6.7	5.7	4.7	5.0	7.0	7.0	5.0	6.0
PPG-FRC-130	5.3	5.0	5.0	6.7	6.0	6.0	4.7	5.3	7.0	6.7	5.3	6.0
5Z5	4.7	4.3	4.0	6.3	6.3	6.7	5.3	6.3	6.3	6.0	4.0	5.9
DLFPS-FRC-3105	4.7	4.3	4.7	7.0	6.7	5.7	4.0	4.0	7.3	6.7	5.7	5.9
FOXFIRE 2	5.7	5.0	5.0	6.3	6.3	6.3	5.3	5.7	6.3	5.3	5.3	5.9
SPHD-20	7.7	6.7	6.3	6.7	5.7	5.7	5.3	6.0	6.7	5.7	5.7	5.9
BAR FRL 122	6.0	6.0	5.3	5.7	5.7	5.3	5.3	6.0	6.7	6.7	5.0	5.8
BLUE HORNET (PPG-FO-102)	6.7	6.3	6.3	6.0	6.3	5.7	5.7	5.3	5.7	5.7	6.0	5.8
NAVIGATOR III (PPG-FRR 127)	5.7	5.0	4.7	6.3	6.0	5.7	5.0	5.7	6.7	6.0	5.0	5.8
RAD-FC59	5.3	5.0	4.3	5.7	5.7	5.0	5.3	6.0	6.3	6.0	6.0	5.8
RESOLUTE	6.7	5.7	6.0	6.7	6.3	5.7	5.3	5.3	6.0	5.7	5.0	5.8
SHADOW IV (PST-4SHAD)	4.0	3.7	3.7	5.7	5.3	5.3	4.7	5.7	7.3	6.3	5.7	5.8
DA5-RHF	7.3	6.7	6.7	6.0	6.0	6.0	5.3	5.3	6.0	5.3	5.7	5.7
PVF-MVP-2020	5.0	5.0	4.7	5.3	5.7	5.7	5.0	5.3	6.7	6.7	5.0	5.7
RADAR II (PPG-FRC 127)	5.3	5.3	5.0	7.0	6.3	5.7	4.3	4.3	6.3	6.3	5.0	5.7
5Z2	4.3	4.0	3.7	5.3	5.7	5.7	5.3	5.3	6.3	6.0	5.3	5.6
PST-4SWTM	5.0	4.3	4.7	5.3	5.7	5.7	4.7	5.3	6.7	6.0	5.7	5.6
BAR FRC 123	4.3	4.3	3.7	6.0	6.0	5.3	5.0	4.7	6.0	6.0	5.0	5.5
BYE	6.0	4.7	5.0	6.0	6.3	6.0	5.0	5.0	5.7	5.0	5.0	5.5
DLF-FRR-3128	4.7	4.0	4.7	5.7	6.0	5.3	4.7	5.3	6.0	5.3	5.3	5.5
JAMESTOWN VII	4.7	4.3	3.7	5.0	6.0	5.3	4.3	5.3	6.3	6.7	4.7	5.5
PPG-FRR 132	4.7	4.7	4.3	5.3	6.0	5.3	5.3	6.0	5.7	5.0	5.0	5.5
PPG-FRR-134	4.3	4.0	3.7	5.7	6.7	6.3	5.0	5.0	5.7	5.7	4.0	5.5
STB1	4.3	4.3	4.3	5.7	6.0	5.3	5.7	5.3	5.3	5.7	5.0	5.5
CARDINAL II	4.3	4.3	4.3	5.7	6.3	5.3	4.7	5.3	5.7	5.0	5.3	5.4
PVF-HSY+	4.3	4.0	3.7	5.7	5.7	5.0	5.0	5.3	6.3	6.0	4.3	5.4
QUATRO	7.0	6.3	6.0	5.7	5.7	5.7	5.0	5.0	5.7	5.3	5.0	5.4
SEABREEZE GT	6.0	5.3	5.3	5.7	6.3	5.3	4.7	5.0	5.3	5.3	5.7	5.4
BAR FT 132	5.3	5.3	4.7	5.7	5.7	4.7	5.3	5.0	5.7	5.3	5.3	5.3
BAR FT 135	6.0	5.3	5.0	5.7	5.7	5.0	5.0	5.0	5.3	5.3	5.7	5.3
KEVIN	4.3	4.0	3.7	5.3	6.0	5.3	4.3	5.0	5.7	6.0	4.3	5.3
RAD-FR64	4.3	4.0	4.0	5.3	5.7	5.0	5.7	4.7	6.0	5.3	4.7	5.3
BAR FO 131	3.7	4.0	3.7	5.3	5.7	4.7	4.7	5.0	6.0	5.0	5.0	5.2
BAR FRC 130	4.3	4.0	4.7	5.3	5.7	5.0	3.3	4.7	6.0	6.0	5.3	5.2
NAI-CHU1	3.7	4.0	3.7	6.0	6.3	5.3	2.3	4.0	6.0	6.3	4.7	5.1
BOREAL	5.0	4.0	4.7	5.0	5.7	4.7	4.7	5.0	4.7	4.0	4.7	4.8
LSD VALUE	1.0	0.8	0.8	0.8	1.0	1.0	1.5	0.6	0.9	0.9	0.6	0.4
C.V. (%)	12.5	10.5	10.7	7.9	7.5	9.3	16.2	7.8	8.9	9.0	7.5	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 9.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT COLLEGE PARK, MD 1/
2023 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/					
NAME	MAY	JUN	SEP	OCT	MEAN
DLFPS-FL-3104	5.0	5.0	5.3	5.7	5.3
SPHD-20	5.0	5.3	4.7	5.7	5.2
SWORD II (NAI-HAQ1+2)	5.0	5.0	5.3	5.3	5.2
TENACIOUS (NAI-HTB2)	5.0	5.0	5.3	5.3	5.2
RESOLUTE	4.7	5.3	5.0	5.3	5.1
PVF-PDB-2020	5.0	5.3	4.7	5.0	5.0
GLADIATOR	5.0	4.7	4.7	5.3	4.9
BAR FT 135	4.3	4.7	4.3	5.0	4.6
DA5-RHF	4.7	4.0	4.3	5.0	4.5
BAR FRC 130	4.3	4.3	4.3	4.7	4.4
BAR FT 132	4.0	4.3	4.3	5.0	4.4
PVF-HSY+	4.3	5.0	3.7	4.7	4.4
QUATRO	4.3	4.7	4.0	4.7	4.4
5Z2	4.7	4.0	3.7	4.7	4.3
BEACON II (PPG-FL 128)	4.0	4.3	4.0	4.7	4.3
PPG-FRC-130	4.0	4.7	4.0	4.7	4.3
BAR FRL 122	4.0	4.3	4.0	4.3	4.2
JAMESTOWN VII	4.3	4.3	3.7	4.3	4.2
BAR FRC 123	4.3	4.0	3.7	4.3	4.1
BLUE HORNET (PPG-FO-102)	3.7	4.7	3.7	4.3	4.1
DLF-FRR-3128	4.0	4.3	3.7	4.0	4.0
DLFPS-FRC-3105	4.0	4.0	4.0	4.0	4.0
FOXFIRE 2	4.3	4.0	3.7	4.0	4.0
PPG-FRR 132	4.0	4.0	4.0	4.0	4.0
5Z5	4.0	3.7	4.0	4.0	3.9
BRITTANY 2	4.0	4.3	3.7	3.7	3.9
CARDINAL II	4.0	4.0	3.7	4.0	3.9
COMPASS II	4.0	4.3	3.7	3.7	3.9
RAD-FR64	3.7	4.0	4.0	4.0	3.9
BYE	3.3	4.0	4.0	4.0	3.8
RAD-FC59	4.0	4.3	3.0	3.7	3.8
RADAR II (PPG-FRC 127)	4.0	3.7	3.3	4.0	3.8
SEABREEZE GT	3.7	3.7	3.7	4.0	3.8
BAR FO 131	4.0	4.3	3.0	3.3	3.7
NAVIGATOR III (PPG-FRR 127)	4.0	3.7	3.3	3.3	3.6
PPG-FRR-134	4.0	4.0	3.3	3.0	3.6
PST-4SWTM	4.0	3.3	3.3	3.7	3.6
PVF-MVP-2020	4.3	3.3	3.0	3.7	3.6
KEVIN	3.3	3.3	3.7	3.7	3.5
NAI-CHU1	4.0	3.0	3.7	3.3	3.5
SHADOW IV (PST-4SHAD)	3.3	3.7	3.7	3.0	3.4
STB1	3.7	3.7	3.0	3.3	3.4
BOREAL	3.0	3.0	3.3	3.0	3.1
LSD VALUE	0.6	1.1	0.9	0.7	0.6
C.V. (%)	9.2	14.3	14.1	11.3	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 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT EAST LANSING (N FERTILIZED), MI 1/
2023 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS								MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT		
RADAR II (PPG-FRC 127)	6.7	7.0	7.3	6.7	6.0	7.0	7.3	7.7	7.0	
DLFPS-FRC-3105	7.0	7.0	6.7	7.0	6.0	7.0	7.7	6.7	6.9	
PPG-FRC-130	6.7	6.7	7.0	7.0	5.7	7.0	7.3	7.0	6.8	
PVF-MVP-2020	6.7	7.3	6.7	6.3	6.0	6.7	7.3	7.0	6.8	
BRITTANY 2	7.0	6.3	6.3	6.7	6.0	7.0	7.3	7.0	6.7	
COMPASS II	7.0	7.0	6.7	6.7	6.0	6.7	7.0	6.7	6.7	
NAI-CHU1	6.3	7.0	7.3	7.0	5.7	6.0	7.0	6.3	6.6	
BAR FRC 130	6.0	6.7	7.0	6.7	5.7	6.7	6.3	6.3	6.5	
BAR FRL 122	6.3	6.7	6.3	6.3	6.0	7.0	6.7	6.7	6.5	
DA5-RHF	6.7	6.3	6.7	6.7	5.7	6.7	7.0	6.7	6.5	
BAR FRC 123	5.7	6.7	7.0	6.3	6.0	6.0	6.0	6.0	6.3	
NAVIGATOR III (PPG-FRR 127)	7.0	6.7	5.0	6.3	5.7	7.3	6.7	6.7	6.3	
PVF-PDB-2020	6.7	6.3	6.7	7.0	6.3	6.7	5.7	5.7	6.3	
RAD-FC59	7.3	6.3	6.3	5.7	5.3	6.7	7.0	7.0	6.3	
PPG-FRR-134	7.0	6.7	5.7	6.7	6.0	6.3	6.3	6.0	6.2	
JAMESTOWN VII	6.3	6.0	6.3	6.3	5.7	6.3	5.7	6.3	6.1	
5Z2	6.7	6.7	5.7	5.3	5.3	7.0	6.0	6.0	6.0	
PVF-HSY+	6.7	6.0	5.7	6.3	6.7	6.0	6.0	5.7	6.0	
GLADIATOR	6.3	5.7	6.0	6.0	5.7	6.7	6.0	5.0	5.9	
PPG-FRR 132	7.0	6.7	5.0	5.7	5.3	7.0	6.0	5.7	5.9	
BYE	6.0	6.0	5.0	5.7	5.7	5.7	6.0	6.3	5.8	
SWORD II (NAI-HAQ1+2)	6.0	5.7	5.7	6.7	5.7	5.7	6.0	5.3	5.8	
TENACIOUS (NAI-HTB2)	6.3	6.3	5.3	6.3	5.0	6.3	5.7	5.7	5.8	
SHADOW IV (PST-4SHAD)	6.7	6.3	6.0	5.3	4.3	6.3	6.0	5.3	5.7	
STB1	6.3	6.7	5.0	5.7	5.0	6.3	5.7	5.3	5.7	
5Z5	6.3	6.0	5.0	5.3	5.0	6.3	5.7	5.7	5.6	
PST-4SWTM	6.7	6.0	6.0	5.3	4.7	5.7	6.0	5.3	5.6	
RESOLUTE	6.7	5.0	5.3	6.0	5.3	6.0	6.0	5.7	5.6	
BEACON II (PPG-FL 128)	6.7	4.0	5.0	5.0	6.0	6.7	5.7	5.7	5.4	
SPHD-20	6.7	5.0	5.0	5.3	5.0	6.0	5.3	5.3	5.3	
KEVIN	7.0	5.7	4.7	5.0	4.7	6.0	5.0	5.3	5.2	
SEABREEZE GT	6.3	6.0	5.3	5.3	5.0	5.0	4.7	5.0	5.2	
BAR FO 131	6.7	5.0	5.0	5.3	5.0	5.7	4.7	5.3	5.1	
FOXFIRE 2	6.7	5.7	4.7	4.7	4.0	5.7	5.7	5.3	5.1	
CARDINAL II	6.7	5.3	5.0	5.0	4.3	5.3	5.0	5.3	5.0	
DLF-FRR-3128	6.7	5.0	4.0	5.0	4.7	5.7	5.7	5.0	5.0	
DLFPS-FL-3104	6.0	4.3	4.7	5.0	4.7	5.7	5.3	5.3	5.0	
BAR FT 135	6.3	4.0	4.3	4.3	5.0	5.7	5.0	5.7	4.9	
BLUE HORNET (PPG-FO-102)	7.0	4.7	5.0	5.0	4.7	5.7	4.0	5.0	4.9	
RAD-FR64	6.7	5.3	4.7	4.7	4.7	5.0	5.0	4.7	4.9	
BAR FT 132	6.3	4.0	4.3	4.7	4.7	5.7	4.3	5.3	4.7	
QUATRO	6.3	4.3	4.7	4.7	4.3	4.7	3.7	4.7	4.4	
BOREAL	6.0	3.7	3.7	4.7	4.3	4.0	3.7	4.0	4.0	
LSD VALUE	1.6	1.2	1.1	1.1	1.6	1.4	0.9	0.9	0.7	
C.V. (%)	8.4	12.9	12.0	11.4	14.5	12.2	10.4	10.1	7.8	

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 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT EAST LANSING (NO TRAFFIC), MI 1/
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/				QUALITY RATINGS							MEAN
	SPRING GREENUP	SUMMER DENSITY	PERCENT GROUND SUMMER	COVER FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	
NAI-CHU1	6.3	6.7	99.0	99.0	6.7	7.0	7.7	7.3	7.0	7.3	6.3	7.0
DLFPS-FRC-3105	6.3	6.3	99.0	99.0	6.7	6.0	6.7	7.0	6.7	7.3	7.0	6.8
BAR FRC 130	6.3	6.0	99.0	99.0	5.7	6.7	7.0	7.3	6.7	7.0	6.7	6.7
COMPASS II	6.7	6.7	99.0	99.0	6.0	6.7	7.0	7.0	6.7	7.0	6.7	6.7
BAR FRC 123	7.0	6.0	99.0	99.0	5.7	6.3	7.0	6.7	6.3	7.3	6.7	6.6
PPG-FRC-130	7.0	6.0	99.0	99.0	6.3	6.3	6.3	6.3	6.7	7.3	7.0	6.6
RADAR II (PPG-FRC 127)	5.3	6.0	99.0	99.0	6.0	6.0	6.3	6.3	6.7	7.0	7.0	6.5
BRITTANY 2	6.3	6.3	99.0	99.0	6.0	6.0	6.3	6.3	6.3	7.0	6.7	6.4
BAR FRL 122	7.3	6.0	99.0	99.0	5.7	6.0	6.7	7.0	6.3	6.7	6.0	6.3
PVF-MVP-2020	6.0	5.0	99.0	99.0	6.0	6.3	6.3	6.3	5.7	6.3	6.3	6.2
JAMESTOWN VII	5.3	6.3	97.7	95.0	5.0	5.7	6.3	6.7	6.0	6.0	5.3	5.9
SHADOW IV (PST-4SHAD)	6.3	5.3	95.0	94.7	5.7	6.0	5.7	6.0	5.7	6.3	5.3	5.8
NAVIGATOR III (PPG-FRR 127)	6.7	6.0	99.0	99.0	5.0	4.7	5.0	5.7	6.0	7.3	6.3	5.7
RAD-FC59	5.0	5.0	99.0	99.0	5.3	5.3	5.3	6.0	5.3	6.0	6.0	5.6
PST-4SWTM	7.0	5.0	96.3	91.7	4.7	5.7	5.3	6.3	5.7	5.7	5.0	5.5
PVF-HSY+	6.7	5.7	96.3	97.7	4.0	4.7	5.0	6.7	6.0	6.3	5.7	5.5
STB1	7.3	5.7	94.7	85.0	5.0	5.3	6.0	6.7	5.7	4.7	5.0	5.5
BYE	6.3	5.7	96.3	97.7	4.7	4.7	5.0	5.7	6.0	6.3	5.7	5.4
PPG-FRR 132	7.3	6.3	96.3	90.0	5.7	5.0	5.3	6.7	6.3	4.3	4.7	5.4
DA5-RHF	5.7	5.7	97.7	96.3	4.3	5.0	5.0	5.7	5.3	6.0	6.0	5.3
TENACIOUS (NAI-HTB2)	7.0	6.3	97.7	97.7	4.0	5.0	4.7	5.7	5.3	6.7	6.0	5.3
PPG-FRR-134	6.7	5.7	93.0	86.7	5.0	4.7	5.3	6.0	5.3	5.0	5.0	5.2
DLFPS-FL-3104	7.0	5.7	99.0	94.7	4.0	4.7	4.3	5.3	5.7	5.7	5.3	5.0
PVF-PDB-2020	7.0	5.3	95.0	94.7	3.7	5.0	4.7	5.7	5.3	5.3	5.3	5.0
SWORD II (NAI-HAQ1+2)	7.3	6.0	96.3	93.3	4.0	4.7	5.0	5.3	5.3	5.7	5.3	5.0
BAR FT 135	6.7	5.0	93.0	81.7	4.0	5.0	5.3	4.7	4.7	5.0	4.7	4.8
RESOLUTE	5.3	5.7	96.3	93.3	3.7	4.7	4.3	5.0	5.0	5.0	5.7	4.8
SEABREEZE GT	7.0	5.3	96.3	80.0	4.0	5.0	5.0	5.3	5.0	4.7	4.3	4.8
5Z2	6.7	5.3	95.0	85.0	4.3	4.0	4.0	5.7	5.7	5.0	4.3	4.7
5Z5	6.0	5.3	94.7	88.3	3.3	4.3	4.3	5.0	5.3	5.3	5.3	4.7
GLADIATOR	6.3	5.3	95.0	95.0	3.7	4.7	4.3	4.7	5.0	5.7	5.0	4.7
BLUE HORNET (PPG-FO-102)	7.0	4.7	93.3	95.0	3.3	4.7	4.0	4.3	4.3	4.7	4.7	4.3
BEACON II (PPG-FL 128)	7.0	4.7	91.7	91.7	3.0	4.0	4.0	5.0	4.0	5.0	4.7	4.2
FOXFIRE 2	6.7	4.3	88.3	66.7	3.7	4.3	4.3	5.0	4.7	4.3	3.0	4.2
SPHD-20	6.3	5.0	93.3	85.0	3.0	4.3	4.3	4.3	4.7	4.3	4.3	4.2
RAD-FR64	7.3	4.7	91.7	80.0	3.7	4.0	4.0	4.7	4.3	4.0	4.0	4.1
CARDINAL II	7.0	4.7	91.7	70.0	3.3	4.0	4.3	5.3	4.3	3.3	3.7	4.0
DLF-FRR-3128	6.7	4.3	91.7	73.3	4.0	3.7	4.0	4.7	4.7	3.7	3.3	4.0
BAR FT 132	6.7	4.3	91.7	86.7	2.7	3.7	4.0	4.7	4.0	4.0	4.0	3.9
KEVIN	6.7	4.0	90.0	73.3	3.3	4.0	3.7	5.0	4.0	3.3	3.7	3.9
BAR FO 131	6.7	3.7	91.7	83.3	2.7	3.7	3.7	4.3	3.7	4.3	4.3	3.8
QUATRO	6.7	4.7	88.3	85.0	2.3	3.7	3.3	3.7	4.0	3.7	3.7	3.5
BOREAL	7.3	3.3	80.0	70.0	1.7	3.3	3.0	4.0	3.3	3.7	3.0	3.1
LSD VALUE	1.7	1.2	5.4	11.0	1.1	0.9	0.9	1.1	0.9	1.0	0.9	0.6
C.V. (%)	11.6	13.2	3.4	7.7	16.3	11.2	11.8	11.9	11.1	11.6	11.1	8.0

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 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT EAST LANSING (NO N FERTILIZED), MI 1/
2023 DATA

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

NAME	GENEITC COLOR	QUALITY RATINGS				MEAN
		JUL	AUG	SEP	OCT	
BRITTANY 2	5.3	4.7	5.7	7.0	6.3	5.9
RADAR II (PPG-FRC 127)	5.0	4.7	5.7	6.7	6.7	5.9
DLFPS-FRC-3105	5.3	5.0	5.3	7.0	6.0	5.8
NAVIGATOR III (PPG-FRR 127)	5.0	5.0	5.3	6.7	6.0	5.8
PPG-FRC-130	5.0	4.7	5.0	6.7	6.7	5.8
PVF-MVP-2020	4.7	4.7	5.3	6.7	6.7	5.8
BAR FRL 122	5.3	5.0	5.7	6.3	5.7	5.7
DA5-RHF	5.3	4.7	5.3	6.7	6.0	5.7
NAI-CHU1	4.7	4.3	5.0	6.7	5.7	5.4
PPG-FRR-134	5.3	5.3	5.0	6.0	5.3	5.4
PVF-HSY+	4.7	5.0	4.7	6.0	5.3	5.3
RAD-FC59	5.0	4.3	5.0	6.3	5.7	5.3
COMPASS II	4.3	4.3	5.0	6.0	5.3	5.2
JAMESTOWN VII	5.3	4.7	5.0	5.7	5.3	5.2
PPG-FRR 132	5.7	4.0	6.0	5.7	5.0	5.2
PVF-PDB-2020	4.7	5.3	5.0	5.3	5.0	5.2
BYE	5.0	4.3	4.7	6.0	5.3	5.1
5Z5	5.0	4.0	5.3	5.7	5.0	5.0
BAR FRC 123	5.0	4.3	5.0	5.7	5.0	5.0
BAR FRC 130	4.7	4.7	4.7	5.7	5.0	5.0
RESOLUTE	5.3	4.3	5.0	5.7	5.0	5.0
SPHD-20	5.0	4.7	5.0	5.7	4.7	5.0
SWORD II (NAI-HAQ1+2)	4.0	4.7	5.0	5.7	4.7	5.0
5Z2	4.7	4.0	5.0	5.7	5.0	4.9
STB1	4.7	4.0	5.7	5.7	4.3	4.9
DLFPS-FL-3104	4.7	4.3	4.3	5.3	5.0	4.8
GLADIATOR	5.3	4.3	5.7	5.0	4.0	4.8
TENACIOUS (NAI-HTB2)	5.0	4.0	5.0	5.3	5.0	4.8
BEACON II (PPG-FL 128)	4.7	4.7	3.7	5.3	4.7	4.6
DLF-FRR-3128	5.0	4.0	5.0	5.0	4.0	4.5
BAR FO 131	4.3	4.0	4.3	5.0	4.3	4.4
BAR FT 135	5.3	3.3	4.7	5.0	4.7	4.4
FOXFIRE 2	5.3	3.0	4.3	5.3	4.3	4.3
KEVIN	4.7	3.3	4.7	5.0	4.3	4.3
PST-4SWTM	4.7	3.7	4.0	5.0	4.7	4.3
BLUE HORNET (PPG-FO-102)	5.0	3.7	5.0	4.0	4.0	4.2
BAR FT 132	5.3	3.7	4.0	4.3	4.3	4.1
CARDINAL II	5.0	3.0	4.0	5.0	4.3	4.1
SHADOW IV (PST-4SHAD)	4.3	3.3	4.0	5.3	3.7	4.1
QUATRO	5.3	4.0	4.3	3.7	4.0	4.0
RAD-FR64	4.7	3.0	3.7	5.0	4.0	3.9
SEABREEZE GT	5.0	3.7	4.0	4.3	3.7	3.9
BOREAL	3.7	2.7	3.0	3.3	3.3	3.1
LSD VALUE	1.7	1.3	1.1	1.0	1.1	0.7
C.V. (%)	12.4	16.9	13.2	11.5	13.5	9.1

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

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

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS
GROWN UNDER TRAFFIC STRESS AT EAST LANSING, MI 1/
2023 DATA

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

NAME	SUMMER	PERCENT GROUND COVER		QUALITY RATINGS				MEAN
	DENISTY	SUMMER	FALL	JUL	AUG	SEP	OCT	
NAI-CHU1	5.7	97.7	97.7	7.3	6.3	5.7	6.0	6.3
PPG-FRC-130	5.3	97.7	99.0	6.0	6.3	6.0	6.3	6.2
RADAR II (PPG-FRC 127)	5.0	96.3	97.7	6.3	6.0	6.0	6.3	6.2
COMPASS II	5.3	93.3	94.7	6.7	6.0	5.7	5.7	6.0
BAR FRC 130	5.0	96.3	96.3	7.0	5.7	5.3	5.7	5.9
BRITTANY 2	5.3	97.7	96.3	6.3	6.0	5.3	5.7	5.8
DLFPS-FRC-3105	5.3	97.7	96.3	6.7	5.7	5.3	5.7	5.8
JAMESTOWN VII	5.3	97.7	96.3	6.7	6.0	5.3	5.3	5.8
NAVIGATOR III (PPG-FRR 127)	5.3	96.3	96.0	5.7	6.0	5.7	5.7	5.8
BAR FRC 123	5.3	96.3	93.3	6.7	5.7	4.7	5.7	5.7
BAR FRL 122	5.3	97.7	91.7	6.7	6.3	5.0	4.7	5.7
PVF-MVP-2020	4.7	99.0	95.0	6.0	5.3	5.3	5.3	5.5
SHADOW IV (PST-4SHAD)	5.0	96.3	95.0	6.0	5.7	5.3	5.0	5.5
STB1	6.0	95.0	83.3	6.7	6.0	4.3	5.0	5.5
PPG-FRR 132	5.7	96.3	86.7	6.7	6.3	4.3	4.3	5.4
PVF-HSY+	4.7	93.3	90.0	6.3	5.3	5.0	5.0	5.4
RAD-FC59	4.7	96.3	93.3	6.0	5.7	4.7	5.3	5.4
BYE	5.3	95.0	90.0	5.3	5.7	5.3	4.7	5.3
TENACIOUS (NAI-HTB2)	5.3	96.3	93.0	5.3	5.0	5.3	5.3	5.3
PPG-FRR-134	5.0	93.3	76.7	6.0	5.7	4.3	4.3	5.1
DA5-RHF	4.3	91.7	91.7	5.0	4.7	4.3	5.0	4.8
PST-4SWTM	4.3	93.3	83.3	5.7	5.3	4.3	4.0	4.8
PVF-PDB-2020	5.0	94.7	91.7	4.7	5.0	4.7	4.7	4.8
5Z2	4.3	95.0	73.3	5.7	5.3	3.7	4.0	4.7
DLFPS-FL-3104	4.7	96.3	85.0	5.0	5.0	4.3	4.3	4.7
SWORD II (NAI-HAQ1+2)	5.0	93.3	90.0	5.0	4.7	4.7	4.3	4.7
5Z5	4.7	90.0	80.0	5.3	4.7	4.0	3.7	4.4
BLUE HORNET (PPG-FO-102)	4.3	93.3	91.7	4.0	4.0	4.3	4.7	4.3
GLADIATOR	4.7	91.7	86.7	4.7	4.3	4.0	4.0	4.3
RESOLUTE	4.7	93.0	88.3	4.3	4.3	4.0	4.3	4.3
SEABREEZE GT	4.7	94.7	76.7	5.0	4.7	3.7	4.0	4.3
SPHD-20	4.7	93.3	80.0	4.3	4.7	3.7	4.0	4.2
FOXFIRE 2	4.0	86.7	66.7	5.0	4.3	3.7	3.0	4.0
BEACON II (PPG-FL 128)	4.3	93.3	83.3	4.3	3.7	3.7	4.0	3.9
CARDINAL II	4.7	91.7	60.0	5.3	4.7	2.7	3.0	3.9
BAR FO 131	3.3	90.0	73.3	4.0	3.7	3.7	3.7	3.8
BAR FT 135	4.0	91.7	73.3	4.3	4.0	3.3	3.7	3.8
RAD-FR64	4.0	86.7	73.3	4.7	4.0	3.0	3.7	3.8
BAR FT 132	3.7	85.0	73.3	4.3	3.3	3.3	3.3	3.6
KEVIN	4.0	91.7	70.0	4.7	4.0	2.7	3.0	3.6
QUATRO	4.3	85.0	75.0	3.7	3.7	3.3	3.7	3.6
DLF-FRR-3128	3.3	83.3	63.3	4.7	3.7	2.3	3.0	3.4
BOREAL	3.3	83.3	63.3	4.0	3.3	3.0	2.7	3.3
LSD VALUE	1.1	6.4	14.1	0.9	1.0	1.0	1.1	0.7
C.V. (%)	13.2	4.0	10.3	11.1	12.8	15.1	14.9	9.4

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 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT ST. PAUL, MN 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS						MEAN
			SPRING	FALL	MAY	JUN	JUL	AUG	SEP	OCT		
PVF-PDB-2020	4.0	6.7	71.0	98.0	6.7	6.3	7.3	7.0	7.0	6.7	6.8	
GLADIATOR	3.7	6.0	67.7	98.7	6.3	6.0	6.0	6.3	7.0	7.3	6.5	
SPHD-20	4.3	5.0	50.7	98.0	6.7	5.7	6.0	6.0	6.3	6.3	6.2	
TENACIOUS (NAI-HTB2)	4.0	5.0	52.0	98.3	6.0	5.7	7.0	5.3	6.0	6.3	6.1	
DA5-RHF	3.7	4.7	52.3	94.3	6.7	6.0	6.0	5.3	5.3	6.3	5.9	
SWORD II (NAI-HAQ1+2)	6.0	5.7	68.0	85.7	6.3	5.7	5.7	5.7	6.0	5.7	5.8	
BAR FT 135	3.3	4.3	48.7	92.7	6.0	6.0	5.3	5.0	5.3	6.3	5.7	
DLFPS-FL-3104	4.7	5.7	61.3	90.0	7.0	6.7	5.7	4.3	5.3	5.0	5.7	
BEACON II (PPG-FL 128)	4.0	4.3	56.3	86.0	6.7	6.0	5.0	5.0	5.0	5.0	5.4	
RESOLUTE	5.0	4.3	42.0	89.3	5.7	5.7	5.3	5.0	5.3	5.7	5.4	
RADAR II (PPG-FRC 127)	3.3	2.3	15.7	94.0	6.3	4.3	4.3	5.3	6.0	5.3	5.3	
BLUE HORNET (PPG-FO-102)	4.3	5.3	66.0	81.7	6.0	5.3	5.0	4.3	5.0	5.0	5.1	
BAR FRL 122	3.3	2.0	17.3	94.0	5.7	4.0	4.0	4.7	5.7	5.7	4.9	
DLFPS-FRC-3105	3.0	2.7	18.0	93.3	5.7	4.3	4.0	4.7	5.7	5.0	4.9	
QUATRO	4.3	5.3	63.0	82.3	6.0	5.7	4.7	4.0	4.3	4.3	4.8	
BAR FT 132	4.3	4.3	40.3	79.3	4.7	5.7	4.0	3.7	5.0	5.0	4.7	
RAD-FC59	4.3	2.3	12.7	96.3	5.7	3.7	3.7	4.7	5.3	5.0	4.7	
BAR FRC 130	2.3	2.7	19.7	91.7	5.0	3.7	3.7	5.3	4.7	5.0	4.6	
PPG-FRC-130	3.7	2.7	18.7	95.0	5.7	4.0	3.7	4.7	5.0	4.7	4.6	
5Z5	2.3	2.7	13.0	94.0	4.3	3.7	3.3	5.0	5.0	5.0	4.4	
NAI-CHU1	3.7	2.0	12.7	89.3	4.7	4.3	4.0	4.0	5.3	4.3	4.4	
BRITTANY 2	3.0	2.7	14.7	91.3	5.7	4.0	3.0	4.7	5.0	3.7	4.3	
COMPASS II	3.7	3.0	19.7	91.7	5.0	4.0	3.7	4.0	4.3	5.0	4.3	
NAVIGATOR III (PPG-FRR 127)	4.0	2.7	14.7	91.0	5.0	3.7	3.7	4.7	4.7	4.3	4.3	
5Z2	3.7	2.7	15.0	94.7	5.3	3.3	3.7	4.0	4.7	4.0	4.2	
BAR FRC 123	2.7	2.7	19.0	93.7	5.3	3.7	3.3	4.0	4.3	4.3	4.2	
PVF-MVP-2020	3.3	2.7	17.0	94.0	5.0	3.7	3.3	4.0	4.7	4.3	4.2	
BYE	2.7	2.3	9.3	92.7	5.7	3.0	3.0	4.3	4.7	4.0	4.1	
CARDINAL II	4.3	2.0	11.3	87.0	5.0	2.7	2.7	4.0	4.3	5.3	4.0	
JAMESTOWN VII	3.0	2.3	12.7	91.0	5.0	3.3	2.7	4.0	5.0	4.0	4.0	
PPG-FRR-134	2.7	2.3	10.7	92.0	5.0	3.3	3.3	4.0	4.3	4.0	4.0	
PPG-FRR 132	3.0	2.3	13.3	89.7	3.7	3.3	3.0	4.3	4.7	4.3	3.9	
PVF-HSY+	3.3	2.3	11.0	92.7	5.0	3.3	2.7	4.0	4.0	4.3	3.9	
DLF-FRR-3128	3.3	2.3	13.3	86.3	5.0	3.0	3.0	4.0	4.0	4.0	3.8	
PST-4SWTM	2.7	2.0	9.0	93.3	4.0	3.0	3.7	3.7	4.7	4.0	3.8	
RAD-FR64	4.0	2.7	14.0	90.3	4.0	3.3	3.3	4.0	4.0	4.3	3.8	
FOXFIRE 2	3.7	3.0	16.0	88.7	4.0	3.0	2.7	3.7	4.0	4.7	3.7	
SHADOW IV (PST-4SHAD)	2.7	2.3	16.0	87.0	5.0	3.7	2.7	3.7	3.7	3.7	3.7	
STB1	3.0	2.3	11.0	89.7	4.3	2.7	3.0	4.0	4.7	3.7	3.7	
KEVIN	3.7	3.0	16.7	86.3	3.7	3.3	2.7	3.3	4.0	4.7	3.6	
BAR FO 131	3.3	2.3	14.7	93.3	4.7	2.7	3.0	4.0	3.7	3.0	3.5	
SEABREEZE GT	3.3	1.3	6.0	75.0	3.0	2.3	2.0	2.7	3.7	3.3	2.8	
BOREAL	3.7	2.3	14.3	76.3	3.3	1.3	1.7	2.3	2.3	3.0	2.3	
LSD VALUE	1.3	1.1	10.2	23.3	1.5	1.1	1.4	2.1	2.0	1.9	1.1	
C.V. (%)	19.9	22.7	25.7	9.1	16.6	17.4	23.0	23.6	21.1	21.5	15.5	

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 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT ST. PAUL (FAIRWAY), MN 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS						MEAN
			SPRING	FALL	MAY	JUN	JUL	AUG	SEP	OCT		
PVF-PDB-2020	5.0	3.0	31.7	95.3	5.7	5.7	5.7	6.0	6.0	6.3	5.9	
BYE	4.7	3.3	25.3	89.7	6.0	5.3	5.3	6.3	6.0	6.0	5.8	
BAR FRL 122	3.0	2.7	27.3	90.7	5.7	5.3	5.0	6.3	6.0	6.0	5.7	
STB1	4.7	4.3	31.7	96.3	5.7	5.0	5.7	5.7	5.7	6.3	5.7	
SWORD II (NAI-HAQ1+2)	4.3	3.0	21.7	94.7	5.0	5.3	5.3	5.7	5.7	6.0	5.5	
BAR FRC 123	3.7	3.7	33.0	91.7	6.0	6.0	5.3	5.7	4.7	5.0	5.4	
BEACON II (PPG-FL 128)	4.3	3.0	26.3	93.3	5.0	5.0	5.0	5.3	5.3	6.0	5.3	
NAVIGATOR III (PPG-FRR 127)	6.3	4.3	35.0	92.0	5.7	5.0	5.0	5.0	5.3	5.7	5.3	
PPG-FRC-130	3.3	3.3	29.7	88.3	5.7	5.3	5.0	5.7	5.0	5.0	5.3	
PPG-FRR-134	4.7	3.0	32.3	91.3	4.7	4.7	4.7	6.3	5.7	5.7	5.3	
RADAR II (PPG-FRC 127)	3.3	2.3	18.3	92.3	5.3	5.3	5.3	6.0	4.7	5.0	5.3	
TENACIOUS (NAI-HTB2)	5.3	3.7	30.0	94.7	5.3	5.3	5.3	5.3	5.0	5.3	5.3	
BAR FRC 130	2.3	2.7	22.7	94.0	5.3	5.0	5.0	5.3	5.0	5.3	5.2	
RESOLUTE	5.0	3.0	23.7	95.7	5.0	5.0	5.0	5.7	5.3	5.3	5.2	
5Z5	4.3	4.0	36.3	88.3	5.3	4.7	4.7	5.7	4.7	5.7	5.1	
BRITTANY 2	3.7	3.3	28.0	87.7	5.3	5.3	5.3	5.3	4.7	4.7	5.1	
COMPASS II	4.0	4.0	29.0	91.3	5.0	4.7	4.7	5.7	5.0	5.3	5.1	
DA5-RHF	6.0	4.0	34.0	94.7	4.7	4.3	5.0	5.0	5.3	6.0	5.1	
NAI-CHU1	3.3	2.7	20.3	89.0	5.3	5.0	4.7	5.7	5.0	5.0	5.1	
GLADIATOR	4.3	3.0	27.7	96.3	5.3	4.3	5.3	5.3	4.7	5.0	5.0	
5Z2	4.7	5.0	36.3	88.7	5.3	4.3	4.7	5.0	4.7	5.7	4.9	
PVF-MVP-2020	4.0	2.7	21.0	90.7	4.7	4.7	4.3	5.3	5.0	5.3	4.9	
DLF-FRR-3128	5.3	5.3	40.7	82.0	5.0	4.7	5.0	5.0	4.3	4.7	4.8	
DLFPS-FL-3104	6.0	4.3	33.0	95.0	5.0	4.7	4.3	4.7	5.0	5.3	4.8	
QUATRO	6.0	5.3	50.0	95.3	4.7	4.0	4.3	4.7	5.0	5.3	4.7	
SHADOW IV (PST-4SHAD)	4.0	3.3	27.3	85.0	5.3	5.0	4.0	4.7	4.3	4.7	4.7	
SPHD-20	5.3	4.0	28.7	95.7	4.7	4.7	4.7	4.7	4.7	5.0	4.7	
BLUE HORNET (PPG-FO-102)	6.3	4.7	46.0	95.0	4.7	4.3	4.0	3.7	5.3	5.3	4.6	
DLFPS-FRC-3105	3.0	2.3	19.7	86.0	4.7	4.7	5.0	4.7	4.3	4.3	4.6	
PVF-HSY+	4.0	4.7	35.3	78.0	5.0	4.7	4.3	4.7	4.0	4.7	4.6	
RAD-FC59	7.3	5.0	35.0	89.7	5.0	5.0	4.0	5.3	3.7	4.3	4.6	
PPG-FRR 132	3.7	3.3	23.7	88.0	4.7	4.0	4.7	4.7	4.0	5.0	4.5	
RAD-FR64	6.7	3.3	17.7	85.7	4.3	5.0	4.0	5.3	4.0	4.3	4.5	
BAR FT 135	6.0	4.7	40.7	93.3	4.7	4.7	3.7	4.0	4.3	5.3	4.4	
KEVIN	5.7	5.7	40.0	85.3	5.0	4.7	4.7	4.0	4.3	4.0	4.4	
CARDINAL II	6.0	6.0	49.7	81.0	4.0	4.0	4.0	4.7	4.0	5.0	4.3	
FOXFIRE 2	5.3	4.0	28.3	81.7	5.0	4.3	4.0	5.0	4.0	3.3	4.3	
JAMESTOWN VII	4.3	1.7	34.0	89.7	4.7	4.7	3.7	4.7	4.3	4.0	4.3	
PST-4SWTM	3.3	4.3	40.3	84.7	5.0	5.0	4.7	4.3	3.3	3.3	4.3	
SEABREEZE GT	3.7	3.3	36.3	80.3	4.3	3.7	4.3	5.0	4.0	4.0	4.2	
BAR FO 131	5.3	2.3	14.3	88.0	4.7	4.3	4.0	4.0	4.0	3.7	4.1	
BAR FT 132	6.0	5.0	40.7	92.0	4.3	4.0	3.7	3.7	4.0	4.7	4.1	
BOREAL	4.7	5.3	34.0	75.3	2.7	3.0	3.0	3.0	2.0	2.0	2.6	
LSD VALUE	1.4	1.4	22.2	5.9	1.7	1.0	1.3	1.0	1.0	1.4	0.7	
C.V. (%)	18.9	22.7	33.2	4.2	15.0	11.9	14.9	12.2	13.3	16.7	8.6	

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 16.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT RALEIGH, NC 1/
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	QUALITY RATINGS											
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
NAVIGATOR III (PPG-FRR 127)	8.3	9.0	9.0	7.3	8.0	8.0	9.0	9.0	9.0	9.0	7.7	5.3	6.0	6.3	7.7
PVF-HSY+	8.0	8.7	8.7	7.0	7.7	7.3	9.0	8.7	9.0	9.0	7.0	4.7	5.0	5.3	7.2
PPG-FRR-134	8.0	9.0	9.0	6.3	7.0	7.0	8.7	9.0	8.7	9.0	5.7	4.3	4.3	4.7	6.8
PPG-FRR 132	8.0	9.0	9.0	6.3	6.7	6.7	8.7	8.7	8.7	9.0	7.0	3.7	3.7	5.0	6.7
STB1	8.0	9.0	8.7	7.0	7.3	7.0	9.0	8.7	8.7	9.0	5.7	3.0	3.7	4.7	6.7
COMPASS II	7.3	9.0	9.0	8.0	8.0	7.7	9.0	8.3	8.7	8.7	4.7	2.7	3.0	4.3	6.6
KEVIN	8.0	9.0	8.7	6.7	7.7	7.7	9.0	8.0	9.0	8.7	4.3	2.7	3.7	4.3	6.5
NAI-CHU1	7.7	9.0	9.0	6.3	7.7	7.3	9.0	8.0	9.0	8.7	4.3	3.0	4.0	4.7	6.5
PVF-MVP-2020	8.0	9.0	9.0	6.7	7.0	7.0	9.0	8.7	8.7	9.0	4.0	3.3	4.0	4.3	6.5
SHADOW IV (PST-4SHAD)	7.0	9.0	9.0	6.7	7.0	7.0	9.0	8.0	9.0	8.3	4.7	3.3	4.0	4.7	6.5
BYE	8.0	9.0	9.0	5.7	6.0	6.3	8.3	8.7	8.7	9.0	5.7	3.3	4.3	4.7	6.4
CARDINAL II	8.7	9.0	8.7	6.0	6.7	6.7	8.3	8.7	8.3	8.7	4.0	4.0	4.0	4.3	6.3
5Z5	8.0	9.0	9.0	6.0	5.7	6.3	8.7	8.7	8.7	9.0	5.0	3.0	3.7	3.7	6.2
DLFPS-FRC-3105	8.0	9.0	9.0	5.7	6.7	6.7	9.0	8.0	9.0	9.0	5.3	2.3	3.0	3.7	6.2
JAMESTOWN VII	7.7	8.7	8.3	5.7	7.0	7.0	8.0	8.0	8.3	9.0	4.5	3.7	4.0	5.0	6.2
BRITTANY 2	7.0	9.0	9.0	5.3	5.7	6.3	7.7	8.0	8.7	9.0	5.3	3.0	3.3	4.7	6.1
FOXFIRE 2	8.0	8.7	8.7	6.0	6.0	6.3	7.7	8.7	8.7	9.0	4.3	2.7	3.3	3.7	6.0
RADAR II (PPG-FRC 127)	7.3	9.0	9.0	4.7	5.3	5.0	8.0	8.3	8.7	8.7	6.0	3.0	3.3	3.7	5.9
5Z2	8.7	8.7	8.7	4.7	5.0	5.0	6.7	7.7	8.7	9.0	4.7	3.0	3.7	4.3	5.7
PST-4SWTM	7.7	9.0	9.0	5.3	5.7	5.7	7.7	7.7	8.3	8.3	4.7	1.7	2.7	3.7	5.6
DA5-RHF	8.0	9.0	8.7	4.7	4.7	4.7	6.3	7.3	7.7	8.3	4.7	3.3	3.3	4.3	5.4
PPG-FRC-130	8.0	9.0	9.0	5.0	5.7	6.0	7.3	8.3	8.7	8.7	4.0	1.7	1.7	2.0	5.4
BAR FRL 122	7.0	9.0	9.0	4.7	5.0	5.3	6.7	8.0	8.7	8.7	3.7	2.0	2.7	3.0	5.3
DLF-FRR-3128	8.0	9.0	9.0	4.7	5.3	5.3	6.7	8.3	8.7	8.7	3.0	1.0	2.0	2.7	5.1
BAR FRC 123	7.7	9.0	8.7	4.3	4.3	4.7	7.7	8.0	8.3	8.7	3.3	1.7	1.7	2.7	5.0
BEACON II (PPG-FL 128)	7.7	9.0	9.0	4.3	4.0	4.0	6.0	7.7	8.3	8.7	4.3	3.0	2.3	2.7	5.0
TENACIOUS (NAI-HTB2)	8.7	9.0	8.7	4.0	4.0	3.3	4.7	7.3	7.3	8.0	4.7	3.7	3.7	3.7	4.9
BAR FRC 130	7.3	9.0	8.3	4.0	3.7	4.0	7.0	8.0	8.7	8.7	3.3	1.3	2.0	2.7	4.8
BAR FT 135	8.0	9.0	8.7	4.3	5.0	4.3	6.0	6.7	6.3	7.0	3.7	3.0	3.3	3.3	4.8
DLFPS-FL-3104	8.3	9.0	8.7	4.0	4.3	4.0	6.3	7.0	7.3	7.7	3.7	3.0	3.0	3.0	4.8
RAD-FC59	9.0	9.0	9.0	4.3	4.7	4.7	5.3	7.0	7.3	8.0	3.7	2.0	2.3	3.0	4.8
BAR FO 131	8.3	8.7	8.3	4.0	4.3	4.0	6.0	7.7	6.7	8.0	3.0	2.7	2.7	3.0	4.7
RAD-FR64	8.7	8.7	8.3	3.3	3.7	3.3	4.3	6.0	6.0	7.0	4.7	2.3	2.7	3.0	4.2
SWORD II (NAI-HAQ1+2)	8.0	8.7	8.7	3.3	3.7	3.3	4.0	6.0	6.3	7.3	4.3	2.7	2.7	3.0	4.2
PVF-PDB-2020	8.3	9.0	8.7	3.3	3.7	3.7	4.3	5.7	6.0	6.7	3.7	3.0	2.7	2.7	4.1
SPHD-20	8.7	8.7	9.0	3.7	3.7	3.3	4.3	5.7	6.0	6.7	3.3	2.7	2.7	2.7	4.1
RESOLUTE	8.3	9.0	8.0	3.0	3.3	3.3	3.7	4.7	5.0	7.0	3.7	3.0	3.7	3.7	4.0
BOREAL	7.3	8.7	7.0	3.7	4.0	4.0	5.0	5.7	5.7	6.0	2.0	1.3	2.0	2.7	3.8
BAR FT 132	8.3	9.0	8.3	3.3	3.7	2.7	3.7	4.7	4.3	5.7	3.0	3.7	2.3	2.3	3.6
GLADIATOR	8.0	9.0	9.0	3.3	4.0	3.7	4.0	4.3	5.3	6.0	2.7	1.3	1.7	1.7	3.5
SEABREEZE GT	7.7	9.0	8.3	3.0	3.7	3.3	4.0	4.7	4.3	5.3	3.3	1.3	1.3	2.3	3.3
QUATRO	8.3	8.7	6.0	2.3	2.7	2.3	2.7	3.3	3.0	4.7	2.0	1.7	2.0	2.0	2.6
BLUE HORNET (PPG-FO-102)	8.0	9.0	6.0	2.7	3.0	2.3	2.7	3.7	3.3	3.7	2.3	1.3	1.3	1.7	2.5
LSD VALUE	0.7	1.2	2.4	1.8	2.0	1.8	1.6	1.4	1.4	2.0	1.6	2.0	1.6	1.8	1.1
C.V. (%)	5.2	3.1	11.2	22.7	23.5	22.2	15.8	12.4	12.6	14.6	23.2	38.7	29.8	29.3	13.3

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 16.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT RALEIGH, NC 1/
2023 DATA

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

NAME	PERCENT GROUND COVER			BROWN PATCH WEAR COUNTS	BROWN PATCH 8/1	WEAR TOLER. 8/23	POA ANNUA
	SPRING	SUMMER	FALL				
NAVIGATOR III (PPG-FRR 127)	99.0	99.0	97.0	6.0	6.7	7.7	9.0
PVF-HSY+	99.0	99.0	93.3	4.7	6.0	7.3	9.0
PPG-FRR-134	99.0	99.0	80.0	4.3	6.0	5.7	9.0
PPG-FRR 132	99.0	99.0	75.0	4.3	4.0	6.7	9.0
STB1	99.0	99.0	68.3	3.3	4.0	6.0	9.0
COMPASS II	99.0	99.0	58.3	3.0	3.3	4.0	9.0
KEVIN	99.0	99.0	65.0	3.0	3.3	3.3	9.0
NAI-CHU1	99.0	99.0	68.3	3.3	3.3	4.3	9.0
PVF-MVP-2020	99.0	99.0	70.0	3.3	3.3	3.3	9.0
SHADOW IV (PST-4SHAD)	99.0	99.0	78.3	3.7	3.3	4.7	9.0
BYE	99.0	99.0	75.7	3.7	4.0	6.3	9.0
CARDINAL II	99.0	99.0	70.0	3.3	4.0	3.7	9.0
5Z5	99.0	99.0	63.3	3.3	4.0	5.0	9.0
DLFPS-FRC-3105	99.0	99.0	55.0	3.0	4.0	6.0	9.0
JAMESTOWN VII	99.0	99.0	78.3	3.7	4.0	4.7	9.0
BRITTANY 2	99.0	99.0	62.3	3.3	4.3	4.3	9.0
FOXFIRE 2	99.0	99.0	63.3	3.0	4.0	4.0	9.0
RADAR II (PPG-FRC 127)	99.0	99.0	63.3	3.3	4.3	5.3	9.0
5Z2	98.0	99.0	65.0	3.3	3.7	5.0	9.0
PST-4SWTM	98.3	99.0	45.0	2.7	3.0	4.0	9.0
DA5-RHF	97.0	99.0	70.7	4.0	4.3	4.7	9.0
PPG-FRC-130	98.7	99.0	27.3	1.7	1.7	3.7	9.0
BAR FRL 122	98.0	99.0	33.3	2.3	3.0	2.3	9.0
DLF-FRR-3128	99.0	99.0	27.7	1.7	2.3	2.7	9.0
BAR FRC 123	98.3	99.0	30.0	1.7	1.7	2.3	9.0
BEACON II (PPG-FL 128)	96.7	99.0	40.0	3.3	3.7	4.0	9.0
TENACIOUS (NAI-HTB2)	93.3	99.0	66.7	3.7	4.3	4.7	8.3
BAR FRC 130	97.7	99.0	31.7	1.7	2.0	2.3	9.0
BAR FT 135	94.3	98.7	63.3	3.7	3.7	3.7	8.7
DLFPS-FL-3104	90.0	99.0	49.3	3.7	4.0	4.0	8.3
RAD-FC59	93.0	99.0	43.3	2.3	3.3	3.0	8.7
BAR FO 131	96.7	99.0	46.7	2.3	3.0	2.3	9.0
RAD-FR64	82.3	98.7	50.0	2.7	2.7	3.7	7.7
SWORD II (NAI-HAQ1+2)	94.0	99.0	60.0	3.3	4.0	4.3	7.7
PVF-PDB-2020	79.3	98.3	55.0	3.3	3.7	3.7	7.3
SPHD-20	86.0	98.3	43.3	3.0	3.7	3.3	7.7
RESOLUTE	71.7	96.0	71.7	3.3	4.0	3.0	6.7
BOREAL	85.7	97.7	31.7	1.7	1.7	2.0	7.7
BAR FT 132	71.7	98.3	40.0	3.0	2.7	2.7	6.3
GLADIATOR	75.7	92.7	26.7	2.0	2.0	2.7	7.0
SEABREEZE GT	81.3	97.0	25.0	1.3	1.7	2.3	7.3
QUATRO	55.0	73.0	24.3	2.3	2.7	3.3	5.0
BLUE HORNET (PPG-FO-102)	50.0	83.7	16.7	1.7	2.0	2.3	4.3
LSD VALUE	15.1	15.7	33.5	1.8	2.4	1.9	1.4
C.V. (%)	10.1	6.5	34.8	32.2	35.4	28.7	10.4

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 17.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT NORTH BRUNSWICK, NJ 1/
2023 DATA

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

NAME	SPRING GREENUP	SUMMER PATCH RATINGS			QUALITY RATINGS							
		7/3	8/11	8/29	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
NAVIGATOR III (PPG-FRR 127)	2.3	6.3	5.7	5.0	5.7	6.0	6.3	5.7	5.7	6.3	7.0	6.1
PVF-HSY+	4.0	6.3	5.0	5.0	6.0	6.0	6.3	5.7	5.3	5.7	6.0	5.9
5Z5	2.0	6.3	7.0	6.0	4.3	5.0	5.7	5.3	5.7	6.3	7.0	5.6
BYE	2.7	6.0	6.0	4.3	6.0	6.0	6.7	5.7	4.3	5.0	5.7	5.6
PPG-FRR-134	2.3	7.0	6.3	5.7	5.0	5.0	5.3	6.0	5.3	5.3	7.0	5.6
PPG-FRC-130	6.7	5.7	5.0	3.0	7.0	6.0	4.3	4.0	3.7	5.3	8.0	5.5
PPG-FRR 132	4.3	7.0	7.3	5.3	6.0	5.3	5.3	6.0	6.0	5.0	4.7	5.5
FOXFIRE 2	5.3	5.7	4.7	4.3	6.3	4.7	4.0	5.3	4.7	5.3	6.7	5.3
COMPASS II	6.7	5.3	3.7	4.0	6.3	4.7	3.3	3.0	3.7	5.7	7.3	4.9
RADAR II (PPG-FRC 127)	6.3	4.7	3.3	2.7	8.0	7.0	4.7	3.3	2.7	3.3	5.3	4.9
STB1	4.3	5.3	5.0	3.7	6.3	5.0	5.0	5.0	4.0	3.7	4.7	4.8
BRITTANY 2	6.7	4.7	4.0	3.7	7.3	5.3	3.3	4.3	3.3	3.3	5.3	4.6
PVF-MVP-2020	4.0	4.7	4.0	3.3	6.0	6.0	4.7	3.7	3.7	4.0	4.0	4.6
DLFPS-FRC-3105	5.3	5.0	5.3	3.0	6.3	5.7	4.0	4.0	3.7	3.7	4.3	4.5
JAMESTOWN VII	5.3	5.3	4.7	3.7	5.7	3.7	3.0	4.3	4.3	5.0	5.7	4.5
BAR FT 135	8.0	3.3	3.0	3.0	6.3	5.0	6.3	3.0	3.0	3.3	3.7	4.4
CARDINAL II	3.3	5.3	4.7	4.3	5.0	4.0	4.0	4.3	5.0	4.3	4.3	4.4
5Z2	3.3	5.3	4.3	3.7	5.0	4.7	5.0	4.3	4.0	3.7	3.3	4.3
BLUE HORNET (PPG-FO-102)	7.7	3.7	4.3	4.3	5.7	4.0	4.3	3.7	4.0	4.3	4.3	4.3
BAR FRC 123	6.3	4.7	3.3	3.7	6.7	4.0	3.0	3.3	3.3	3.7	5.7	4.2
BOREAL	2.7	5.7	4.3	3.7	5.0	4.0	3.7	4.3	3.3	4.7	4.7	4.2
DLF-FRR-3128	1.3	5.7	4.3	3.7	4.7	4.0	5.0	4.7	3.3	3.3	4.3	4.2
QUATRO	7.0	4.7	3.0	4.0	5.0	4.7	4.3	3.7	3.3	4.7	3.7	4.2
KEVIN	4.3	5.0	4.7	3.7	4.7	4.0	4.3	4.7	4.0	3.7	3.3	4.1
BAR FO 131	5.7	4.7	3.3	3.0	5.3	4.7	4.0	3.7	3.3	3.7	3.7	4.0
BAR FRC 130	8.0	3.7	3.3	2.7	8.0	4.7	3.3	3.0	3.0	3.0	2.7	4.0
BAR FRL 122	7.3	4.7	4.0	3.7	5.7	4.0	4.3	4.0	3.0	3.3	3.3	4.0
SWORD II (NAI-HAQ1+2)	7.3	2.3	2.0	1.7	6.3	6.3	6.3	2.0	1.7	2.3	2.7	4.0
NAI-CHU1	4.3	5.0	3.0	2.7	6.0	4.3	4.0	3.0	2.3	3.0	4.3	3.9
PVF-PDB-2020	4.7	2.3	2.3	1.7	6.0	5.3	6.3	2.3	2.0	2.7	2.7	3.9
RAD-FC59	4.0	4.7	3.3	2.3	5.7	5.3	4.0	3.7	3.0	2.3	3.0	3.9
RAD-FR64	5.3	4.7	4.0	3.0	4.7	3.3	3.7	4.0	3.3	4.0	3.7	3.8
SHADOW IV (PST-4SHAD)	5.3	4.3	3.3	2.7	6.0	4.0	3.7	3.7	3.0	3.0	3.0	3.8
TENACIOUS (NAI-HTB2)	7.0	2.7	2.3	2.0	5.0	5.0	5.7	2.7	2.0	3.0	3.3	3.8
BAR FT 132	6.3	1.7	2.3	2.0	5.3	4.7	4.7	2.0	2.3	3.0	3.0	3.6
PST-4SWTM	3.7	4.0	3.3	2.3	6.0	5.0	3.3	3.0	2.7	2.0	2.3	3.5
DA5-RHF	4.7	2.7	1.7	1.7	6.3	5.7	4.3	2.0	1.7	2.0	2.0	3.4
SPHD-20	4.7	2.0	2.0	2.3	5.7	5.0	4.7	2.3	2.0	1.7	1.7	3.3
RESOLUTE	5.3	2.0	2.0	1.7	4.7	4.7	4.0	2.0	1.7	2.3	2.3	3.1
GLADIATOR	5.7	1.7	1.7	1.3	4.7	5.7	5.7	1.7	1.0	1.0	1.7	3.0
BEACON II (PPG-FL 128)	6.7	1.7	1.7	1.7	5.0	5.0	4.3	1.7	1.7	1.3	1.0	2.9
DLFPS-FL-3104	3.0	1.3	1.0	1.0	5.0	5.0	4.7	1.7	1.0	1.0	1.3	2.8
SEABREEZE GT	4.0	3.3	2.7	1.7	2.0	2.0	1.7	2.7	1.7	1.0	1.0	1.7
LSD VALUE	2.2	2.2	2.3	2.3	2.0	1.9	2.0	1.9	2.4	2.8	3.5	1.4
C.V. (%)	27.6	30.1	36.2	39.1	19.0	20.8	24.2	30.3	39.7	41.7	46.6	19.0

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 18.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT ADELPHIA, NJ 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL DENSITY	LEAF SPOT	QUALITY RATINGS								MEAN
						APR	MAY	JUN	JUL	AUG	SEP	OCT	DEC	
BEACON II (PPG-FL 128)	7.3	6.0	8.7	8.7	7.7	5.3	7.7	6.7	6.0	6.7	8.7	8.3	8.3	7.2
NAVIGATOR III (PPG-FRR 127)	5.7	6.0	6.7	7.0	3.7	6.3	3.7	7.0	6.3	7.3	8.7	8.0	7.7	6.9
NAI-CHU1	5.7	6.0	7.7	9.0	4.0	6.0	5.0	5.3	6.0	5.7	9.0	8.7	7.7	6.7
DLFPS-FL-3104	8.0	6.0	8.0	8.3	7.3	5.0	7.3	7.3	5.7	5.0	7.0	7.7	7.3	6.5
DLFPS-FRC-3105	5.0	5.0	7.0	8.0	4.7	5.7	5.3	5.7	5.7	5.3	8.3	8.3	7.3	6.5
PVF-MVP-2020	5.3	6.7	6.7	6.3	6.0	5.3	5.0	6.7	6.3	6.0	8.0	8.0	6.7	6.5
PVF-PDB-2020	7.7	6.0	8.0	7.0	7.0	5.3	6.7	6.3	5.3	5.7	7.3	7.3	7.7	6.5
SWORD II (NAI-HAQ1+2)	7.7	6.0	8.3	8.3	6.0	6.0	6.3	7.0	5.7	5.0	6.7	7.7	6.7	6.4
PPG-FRC-130	4.3	6.3	6.7	7.7	4.7	6.0	5.0	6.0	5.7	6.0	8.0	6.3	7.0	6.3
RESOLUTE	8.0	4.7	7.7	7.3	6.0	5.7	6.0	7.0	6.0	5.7	6.7	7.0	6.7	6.3
RADAR II (PPG-FRC 127)	5.3	5.7	7.7	8.7	4.7	5.3	4.0	6.0	6.0	6.3	7.7	7.3	7.0	6.2
TENACIOUS (NAI-HTB2)	7.7	4.7	8.0	8.0	6.3	5.7	6.7	5.3	4.7	5.3	6.7	8.0	7.0	6.2
DA5-RHF	7.3	6.0	8.0	7.3	5.3	5.3	6.3	6.0	4.7	6.0	6.3	6.7	5.7	5.9
5Z5	5.7	5.7	6.3	6.3	3.0	4.7	4.0	6.7	6.0	4.3	5.0	6.3	6.7	5.5
BRITTANY 2	4.3	5.3	7.7	6.7	4.3	6.3	5.0	6.3	5.3	4.0	5.0	5.3	7.0	5.5
BYE	5.0	6.0	6.3	6.0	4.0	5.7	4.0	6.3	4.7	4.3	5.0	6.7	7.3	5.5
PVF-HSY+	6.3	5.7	5.3	5.7	4.3	5.7	4.0	5.7	5.0	4.0	6.3	6.7	6.7	5.5
BAR FRC 130	4.0	5.3	7.0	7.0	3.3	6.7	4.0	5.3	4.7	5.0	6.0	5.7	5.7	5.4
BAR FRL 122	4.3	5.3	7.0	5.7	4.0	5.7	4.3	5.7	3.3	4.7	6.3	5.7	6.3	5.3
BAR FT 135	7.3	7.0	8.3	6.3	3.7	6.3	4.3	5.0	4.3	4.7	5.0	6.0	6.3	5.3
SPHD-20	7.3	4.3	8.0	6.7	4.3	4.3	4.7	6.3	5.7	4.7	5.7	5.0	5.7	5.3
BAR FRC 123	4.7	5.7	6.7	5.0	4.0	5.7	3.7	5.3	4.7	4.0	5.7	6.0	6.3	5.2
COMPASS II	5.7	5.7	7.0	6.3	5.7	4.7	5.0	4.7	5.0	4.3	5.7	5.7	6.3	5.2
RAD-FC59	6.7	4.0	6.7	5.3	3.3	4.0	4.0	5.7	4.3	4.7	7.0	5.7	6.3	5.2
BAR FT 132	7.7	5.3	8.0	6.3	4.0	5.7	4.0	4.3	4.3	5.0	6.0	5.3	6.0	5.1
5Z2	6.0	6.7	5.3	5.3	3.0	5.0	3.3	6.3	5.0	3.7	5.0	5.3	6.7	5.0
BLUE HORNET (PPG-FO-102)	7.3	4.3	9.0	8.0	2.3	5.0	3.7	3.3	3.7	5.0	5.7	6.3	7.0	5.0
PPG-FRR-134	4.7	6.7	6.0	5.3	4.3	5.3	4.0	5.7	3.3	3.7	5.7	6.0	6.3	5.0
QUATRO	7.3	5.0	9.0	8.0	3.0	5.3	4.0	4.3	3.7	5.0	5.3	6.0	6.0	5.0
GLADIATOR	7.3	4.3	7.7	6.0	4.7	5.0	5.0	4.7	4.7	4.7	4.7	5.3	4.3	4.8
JAMESTOWN VII	4.0	6.7	7.0	5.3	4.0	7.0	3.3	3.7	3.7	3.3	5.7	5.0	5.3	4.6
SHADOW IV (PST-4SHAD)	6.0	7.0	6.3	4.3	4.7	6.3	4.3	4.7	4.0	2.7	3.0	3.7	5.7	4.3
PST-4SWTM	6.7	5.3	6.7	5.3	5.3	3.7	4.7	4.3	4.0	3.0	3.0	4.0	6.0	4.1
BAR FO 131	3.3	6.3	5.7	3.7	2.7	5.0	3.0	4.3	3.7	3.7	4.3	4.3	4.0	4.0
PPG-FRR 132	5.7	5.3	5.0	3.0	2.7	5.0	4.3	4.7	2.3	2.3	3.0	3.7	5.7	3.9
STB1	6.7	7.0	5.3	4.0	3.0	5.3	4.3	3.7	2.7	2.0	2.7	4.3	5.3	3.8
FOXFIRE 2	6.3	5.3	4.7	3.0	2.3	5.0	3.7	4.7	3.3	3.0	1.7	3.3	5.0	3.7
SEABREEZE GT	5.7	4.3	6.0	1.7	3.0	5.0	4.7	5.3	2.0	2.0	1.7	2.3	4.3	3.4
CARDINAL II	7.0	5.3	5.7	3.0	2.3	5.3	4.0	5.3	1.7	1.3	2.0	2.7	4.0	3.3
DLF-FRR-3128	5.3	5.7	4.3	3.3	3.7	4.0	3.7	4.3	2.0	1.3	2.3	3.3	4.7	3.2
RAD-FR64	5.0	8.0	4.3	2.7	1.7	5.3	3.0	2.3	1.7	2.0	2.0	3.3	4.3	3.0
KEVIN	7.0	5.7	3.7	2.0	2.0	4.7	3.3	4.0	1.7	1.0	1.3	2.3	3.7	2.8
BOREAL	4.7	5.3	3.7	1.3	1.7	3.7	3.3	2.7	2.0	2.0	1.3	1.0	2.3	2.3
LSD VALUE	1.4	2.7	0.8	1.6	1.8	6.5	1.8	1.4	1.2	1.3	1.5	1.6	1.3	0.8
C.V. (%)	14.8	20.0	8.5	18.3	27.3	28.5	23.5	16.3	18.0	20.5	19.1	18.9	14.2	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 19.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT QUEBEC CITY (CANADA), QE 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL DENSITY	PERCENT GROUND COVER			QUALITY RATINGS					MEAN
				SUMMER	MAY	JUN	JUL	AUG	SEP	OCT		
BEACON II (PPG-FL 128)	6.0	5.0	7.0	86.7	5.0	6.3	7.3	7.3	7.3	7.3	7.3	6.8
DLFPS-FL-3104	6.3	4.7	7.7	80.0	5.0	6.0	7.3	7.0	7.7	7.7	7.7	6.8
PVF-PDB-2020	5.7	5.3	7.0	86.7	4.7	6.3	7.7	7.0	7.0	6.7	6.7	6.6
GLADIATOR	5.3	5.0	7.3	80.0	4.7	6.0	7.3	6.7	7.0	6.7	6.7	6.4
RESOLUTE	6.0	4.7	6.3	70.0	4.7	5.3	6.7	7.3	6.7	7.0	6.7	6.3
SPHD-20	5.3	5.0	7.0	76.7	4.3	6.0	6.7	6.7	7.3	6.0	6.2	6.2
DA5-RHF	5.7	4.7	6.7	73.3	4.7	5.0	6.3	7.0	7.3	6.0	6.1	6.1
SWORD II (NAI-HAQ1+2)	5.0	4.7	6.7	80.0	4.3	5.7	7.0	6.3	7.7	5.0	6.0	6.0
BAR FT 135	5.3	4.3	6.7	80.0	4.0	5.3	6.7	6.0	7.3	6.3	5.9	5.9
BLUE HORNET (PPG-FO-102)	5.3	3.3	7.3	70.0	3.3	4.7	6.3	6.7	7.0	6.0	5.7	5.7
QUATRO	5.0	3.7	7.0	83.3	3.3	5.0	7.0	6.3	6.3	5.3	5.6	5.6
NAI-CHU1	5.0	4.7	6.0	66.7	4.0	5.3	5.7	6.7	6.3	5.0	5.5	5.5
BAR FT 132	4.3	4.3	6.7	70.0	3.7	4.3	6.0	6.3	6.7	5.3	5.4	5.4
BYE	6.7	4.3	6.0	63.3	3.7	4.3	6.3	5.7	6.3	6.0	5.4	5.4
PPG-FRR-134	6.7	4.0	6.0	66.7	4.0	5.3	5.7	5.7	6.0	5.0	5.3	5.3
BAR FRC 130	4.7	5.0	6.0	56.7	4.7	4.7	4.7	6.0	6.3	5.0	5.2	5.2
COMPASS II	5.0	4.7	6.0	63.3	3.7	4.7	5.7	5.7	6.3	5.0	5.2	5.2
TENACIOUS (NAI-HTB2)	4.7	4.3	5.7	63.3	3.3	4.7	5.7	5.7	6.7	5.3	5.2	5.2
BAR FRL 122	5.0	5.3	6.0	66.7	4.0	4.3	5.3	6.0	6.3	4.3	5.1	5.1
DLF-FRR-3128	7.0	5.0	5.3	53.3	4.0	4.7	5.7	4.7	6.0	5.3	5.1	5.1
KEVIN	7.3	4.7	6.0	60.0	3.7	5.3	5.3	5.0	6.0	5.0	5.1	5.1
SHADOW IV (PST-4SHAD)	4.0	5.7	6.0	60.0	4.3	5.7	4.7	5.3	5.3	5.3	5.1	5.1
BAR FRC 123	4.3	5.0	7.0	70.0	4.0	4.3	6.0	5.7	6.0	4.0	5.0	5.0
FOXFIRE 2	7.3	5.0	5.7	56.7	4.0	4.7	4.7	5.7	6.7	4.3	5.0	5.0
PVF-HSY+	6.3	4.7	5.0	60.0	3.3	5.0	5.7	5.7	5.7	4.7	5.0	5.0
PPG-FRC-130	6.7	5.0	6.3	63.3	3.7	4.3	5.3	5.3	6.3	4.7	4.9	4.9
PST-4SWTM	4.3	5.3	6.0	60.0	4.7	4.7	4.7	5.0	6.0	4.3	4.9	4.9
PVF-MVP-2020	4.7	5.0	6.3	66.7	3.7	4.7	5.3	5.3	6.3	3.5	4.9	4.9
RADAR II (PPG-FRC 127)	5.3	5.3	5.7	63.3	4.7	4.0	6.0	5.7	5.7	3.7	4.9	4.9
NAVIGATOR III (PPG-FRR 127)	6.0	4.0	6.0	56.7	3.3	4.0	5.3	5.3	6.0	4.5	4.8	4.8
5Z5	6.7	4.0	6.0	66.7	3.3	4.0	5.7	5.7	5.7	4.0	4.7	4.7
DLFPS-FRC-3105	4.7	4.3	6.0	70.0	3.3	4.3	5.3	5.7	5.7	4.0	4.7	4.7
BRITTANY 2	5.0	4.7	6.0	60.0	3.0	4.7	5.0	5.7	5.7	3.7	4.6	4.6
JAMESTOWN VII	5.0	5.3	5.7	70.0	3.7	4.7	5.3	5.0	5.7	3.3	4.6	4.6
CARDINAL II	7.0	4.0	5.7	60.0	3.3	3.7	4.7	4.7	6.3	4.3	4.5	4.5
RAD-FR64	6.7	4.0	5.3	56.7	3.7	4.0	5.0	4.7	5.3	4.5	4.5	4.5
5Z2	5.7	3.7	5.0	43.3	3.0	3.3	4.7	5.3	6.0	4.0	4.4	4.4
PPG-FRR 132	6.0	4.7	5.3	60.0	4.0	4.0	5.0	4.3	5.3	3.7	4.4	4.4
RAD-FC59	6.0	4.0	5.0	60.0	3.7	4.0	4.7	5.0	5.3	3.3	4.3	4.3
BAR FO 131	6.0	4.7	5.0	56.7	3.3	4.0	4.3	4.3	5.3	3.7	4.2	4.2
STB1	5.7	4.7	5.0	63.3	3.7	4.0	4.3	4.3	5.0	3.7	4.2	4.2
SEABREEZE GT	4.3	4.3	5.3	53.3	2.3	4.0	3.7	4.3	5.7	4.3	4.1	4.1
BOREAL	5.0	4.0	5.0	43.3	3.0	3.3	4.0	3.3	4.7	3.3	3.6	3.6
LSD VALUE	2.2	2.4	1.6	29.1	3.3	3.5	2.1	1.2	1.6	3.6	1.5	1.5
C.V. (%)	19.0	17.5	13.3	19.9	25.9	25.2	19.6	13.2	13.3	30.1	15.7	15.7

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 20. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT LOGAN, UT 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SUMMER DENSITY	QUALITY RATINGS							MEAN
				MAY	JUN	JUL	AUG	SEP	OCT		
PVF-PDB-2020	8.3	6.7	7.0	7.3	8.7	9.0	8.3	7.7	7.0	8.0	
SWORD II (NAI-HAQ1+2)	9.0	6.3	7.3	6.3	9.0	9.0	7.7	8.0	6.7	7.8	
BEACON II (PPG-FL 128)	8.0	6.0	7.3	6.0	8.3	9.0	7.3	7.3	6.3	7.4	
PPG-FRC-130	6.0	7.0	7.7	7.7	8.7	8.0	6.0	7.3	7.0	7.4	
TENACIOUS (NAI-HTB2)	7.7	5.0	7.3	5.3	8.7	9.0	7.0	8.0	6.3	7.4	
DA5-RHF	8.0	5.3	7.3	5.7	8.3	8.7	7.3	7.3	6.3	7.3	
DLFPS-FL-3104	8.7	6.7	7.7	5.7	8.3	9.0	7.3	7.7	5.7	7.3	
GLADIATOR	7.3	5.3	7.7	4.3	8.7	9.0	7.7	7.0	7.0	7.3	
RESOLUTE	8.0	5.0	7.0	5.0	9.0	8.7	7.0	7.7	6.3	7.3	
BYE	5.3	4.0	6.0	5.7	8.7	8.7	6.3	6.7	7.0	7.2	
5Z2	6.7	4.7	6.7	5.0	9.0	8.7	6.0	6.3	7.0	7.0	
RAD-FC59	7.3	6.3	7.3	5.0	8.3	8.0	5.7	7.3	7.7	7.0	
SPHD-20	8.3	5.0	7.3	4.3	9.0	9.0	7.0	7.3	5.3	7.0	
NAVIGATOR III (PPG-FRR 127)	6.7	5.0	6.3	5.7	8.7	9.0	6.0	6.7	5.7	6.9	
PVF-HSY+	6.0	4.7	6.3	5.7	8.3	8.3	5.3	6.7	7.0	6.9	
RADAR II (PPG-FRC 127)	6.3	6.0	7.7	6.3	8.7	7.3	6.0	7.3	6.0	6.9	
COMPASS II	6.3	6.3	7.0	5.0	8.3	7.0	6.0	7.7	7.0	6.8	
5Z5	6.3	4.3	7.0	4.3	8.7	9.0	5.7	6.7	6.0	6.7	
BRITTANY 2	5.3	7.3	7.7	6.0	8.3	7.3	5.3	7.0	6.3	6.7	
DLF-FRR-3128	5.3	4.7	6.3	5.3	8.7	8.7	5.3	6.0	6.0	6.7	
DLFPS-FRC-3105	6.0	6.3	8.0	5.7	8.7	7.3	6.0	6.7	5.7	6.7	
PPG-FRR-134	5.7	3.7	7.0	4.7	8.3	8.7	5.3	6.7	6.3	6.7	
PVF-MVP-2020	5.7	6.0	6.7	5.7	8.0	8.0	6.0	6.3	6.0	6.7	
BAR FRL 122	6.3	6.7	7.3	4.7	8.0	7.3	5.7	7.3	6.7	6.6	
BAR FT 135	7.3	5.3	6.3	4.3	7.3	8.3	6.7	6.3	6.3	6.6	
FOXFIRE 2	6.3	4.7	6.7	5.3	7.7	8.3	5.7	6.7	6.0	6.6	
PPG-FRR 132	5.7	4.0	6.3	5.7	8.0	8.3	5.0	6.3	6.0	6.6	
BAR FO 131	6.3	5.3	6.3	6.3	8.0	7.3	5.0	7.3	4.3	6.4	
CARDINAL II	7.0	4.3	7.0	5.0	7.7	8.3	5.0	6.3	6.0	6.4	
STB1	5.3	4.7	7.3	5.0	8.7	8.0	5.0	6.0	5.7	6.4	
BAR FRC 123	5.3	6.3	7.0	5.0	7.7	6.0	5.3	7.0	7.0	6.3	
PST-4SWTM	5.3	5.0	7.7	5.0	8.0	7.0	5.7	6.3	5.7	6.3	
BAR FRC 130	5.0	6.3	7.0	5.3	8.0	6.7	5.0	7.0	5.3	6.2	
NAI-CHU1	5.3	6.0	7.0	5.0	8.0	7.0	5.3	6.3	5.3	6.2	
RAD-FR64	7.0	3.3	6.3	4.7	8.7	8.7	4.3	6.0	5.0	6.2	
BAR FT 132	7.3	5.0	6.7	4.0	7.0	8.0	5.7	6.3	5.3	6.1	
BLUE HORNET (PPG-FO-102)	7.3	6.0	5.0	5.0	6.0	8.0	6.0	5.7	5.7	6.1	
JAMESTOWN VII	6.0	5.7	6.0	6.0	7.7	6.3	5.3	6.0	5.3	6.1	
SHADOW IV (PST-4SHAD)	5.7	6.0	7.0	5.0	7.0	7.0	5.7	6.0	5.7	6.1	
KEVIN	6.0	4.0	6.7	4.0	7.7	7.7	4.3	5.3	5.7	5.8	
SEABREEZE GT	5.3	3.3	6.7	4.0	7.7	6.7	5.7	6.0	4.7	5.8	
QUATRO	7.3	4.3	6.0	3.7	5.3	7.0	5.7	5.7	5.3	5.4	
BOREAL	4.7	3.3	6.0	2.3	5.7	6.0	4.3	4.3	5.0	4.6	
LSD VALUE	1.0	1.4	1.1	1.4	1.1	0.8	0.7	1.5	2.3	0.6	
C.V. (%)	10.2	15.8	8.7	15.9	8.2	6.4	8.2	11.9	16.1	6.0	

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 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT BLACKSBURG, VA 1/
2023 DATA

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

NAME	PERCENT GROUND COVER		QUALITY RATINGS							
	SPRING	SUMMER	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
BEACON II (PPG-FL 128)	99.0	99.0	8.0	8.0	8.0	7.3	6.0	6.7	7.7	7.4
SPHD-20	99.0	99.0	7.0	8.3	8.0	7.3	6.3	7.0	7.3	7.3
SWORD II (NAI-HAQ1+2)	99.0	99.0	7.7	8.0	8.0	6.7	6.3	6.7	8.0	7.3
PVF-PDB-2020	99.0	99.0	7.3	7.7	7.3	7.3	6.3	7.3	7.3	7.2
TENACIOUS (NAI-HTB2)	99.0	99.0	7.3	8.0	7.7	7.7	6.3	6.3	7.0	7.2
BAR FT 135	99.0	99.0	7.7	7.3	7.3	6.3	6.0	7.3	7.7	7.1
RESOLUTE	99.0	99.0	7.0	7.7	7.3	7.3	6.3	6.7	7.7	7.1
DLFPS-FL-3104	99.0	99.0	6.7	7.3	7.7	7.7	6.0	7.0	7.0	7.0
GLADIATOR	99.0	99.0	8.0	7.0	7.7	7.0	6.0	6.7	6.7	7.0
DA5-RHF	99.0	99.0	7.0	7.7	7.3	6.7	6.7	6.7	6.3	6.9
DLFPS-FRC-3105	99.0	99.0	7.3	7.7	6.3	5.3	6.3	7.3	7.7	6.9
NAVIGATOR III (PPG-FRR 127)	99.0	99.0	7.7	7.3	6.3	6.3	6.3	7.0	6.3	6.8
BAR FT 132	99.0	99.0	7.0	7.3	6.7	6.7	6.0	7.0	6.0	6.7
QUATRO	99.0	99.0	6.7	7.3	7.7	6.0	6.0	6.3	6.0	6.6
BYE	99.0	99.0	7.0	7.0	6.0	5.7	6.3	7.0	6.7	6.5
NAI-CHU1	99.0	99.0	7.3	6.0	6.7	5.7	6.0	6.7	7.3	6.5
RADAR II (PPG-FRC 127)	99.0	99.0	7.0	6.3	6.7	5.7	6.0	7.0	7.0	6.5
BRITTANY 2	99.0	99.0	7.0	5.3	6.3	5.7	6.0	7.0	7.3	6.4
PPG-FRR-134	99.0	99.0	7.0	6.3	6.0	6.7	6.0	6.3	6.7	6.4
5Z2	99.0	99.0	7.0	6.3	5.3	6.3	6.0	7.0	6.3	6.3
COMPASS II	99.0	99.0	8.0	6.7	6.0	6.0	6.0	5.3	6.0	6.3
PPG-FRC-130	99.0	99.0	7.3	6.3	5.7	5.0	6.0	6.7	7.3	6.3
PVF-HSY+	99.0	99.0	7.0	5.3	6.0	6.0	6.3	6.7	7.0	6.3
PVF-MVP-2020	99.0	99.0	6.3	6.0	6.3	5.3	6.0	7.0	7.0	6.3
5Z5	99.0	99.0	6.7	5.7	5.7	5.7	6.3	6.3	7.0	6.2
BAR FRC 123	99.0	99.0	7.0	6.3	6.3	5.3	6.0	6.0	6.3	6.2
RAD-FC59	99.0	99.0	6.3	5.0	5.7	5.7	6.3	6.7	7.3	6.1
STB1	99.0	99.0	6.7	7.0	5.0	6.0	6.0	6.0	6.0	6.1
BAR FRC 130	99.0	99.0	7.0	5.3	6.3	5.3	6.0	6.0	6.3	6.0
BAR FRL 122	99.0	99.0	6.7	4.7	5.7	5.3	6.0	6.7	7.0	6.0
JAMESTOWN VII	99.0	99.0	6.7	5.3	6.0	5.3	6.0	6.7	6.0	6.0
PPG-FRR 132	99.0	99.0	6.7	5.0	6.0	5.7	5.7	6.3	7.0	6.0
PST-4SWTM	99.0	99.0	6.0	6.0	5.7	6.0	6.3	6.3	6.0	6.0
BOREAL	99.0	99.0	7.0	6.3	7.0	5.0	5.3	5.0	5.3	5.9
KEVIN	99.0	99.0	6.7	4.7	5.3	5.7	6.3	6.3	6.0	5.9
SHADOW IV (PST-4SHAD)	99.0	99.0	6.3	4.0	5.7	5.7	6.0	6.3	7.0	5.9
BAR FO 131	99.0	99.0	5.0	6.0	6.0	6.0	6.3	5.3	5.7	5.8
DLF-FRR-3128	99.0	99.0	7.0	4.3	5.3	5.3	6.0	6.3	6.0	5.8
FOXFIRE 2	99.0	99.0	6.7	4.7	5.0	6.0	5.7	6.0	6.3	5.8
BLUE HORNET (PPG-FO-102)	92.7	92.7	6.3	7.0	6.3	5.0	5.0	5.3	5.0	5.7
SEABREEZE GT	99.0	99.0	7.3	4.7	5.7	5.0	5.7	5.7	5.7	5.7
CARDINAL II	99.0	99.0	7.0	4.7	5.0	5.3	5.7	5.7	6.0	5.6
RAD-FR64	99.0	99.0	6.3	4.3	5.3	4.3	5.0	5.7	7.0	5.4
LSD VALUE	5.9	5.9	1.4	1.3	1.0	1.4	1.0	1.9	1.7	0.5
C.V. (%)	1.7	1.7	9.8	13.2	9.9	13.3	7.5	12.2	12.4	5.4

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 22.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT PULLMAN, WA 1/
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL DENSITY	PERCENT GROUND			QUALITY RATINGS						MEAN
				COVER	FALL	DORMANCY	APR	MAY	JUN	JUL	AUG	SEP		OCT
PPG-FRR-134	5.3	4.0	7.0	97.7	3.3	3.3	3.7	5.3	7.3	7.0	6.7	7.3	5.8
BYE	6.0	4.0	6.0	92.7	3.3	3.7	4.7	6.0	6.0	6.0	6.0	6.7	5.6
TENACIOUS (NAI-HTB2)	6.3	3.3	7.3	99.0	3.7	3.3	4.3	5.3	6.3	6.0	6.3	7.3	5.6
BAR FRC 130	4.0	5.0	6.3	97.7	4.7	5.0	4.3	5.0	5.3	6.0	6.0	7.0	5.5
PVF-MVP-2020	5.7	4.3	6.3	99.0	4.0	4.0	4.3	4.7	6.3	6.0	6.0	7.0	5.5
SEABREEZE GT	5.0	4.7	6.0	98.3	3.3	4.0	4.7	4.7	5.3	5.3	6.3	7.3	5.4
BRITTANY 2	4.7	3.7	6.0	96.0	3.7	4.7	4.3	5.0	5.3	5.0	6.0	6.7	5.3
CARDINAL II	5.7	4.7	5.7	97.7	3.0	4.7	3.7	4.3	5.7	5.7	6.0	7.0	5.3
DLFPS-FRC-3105	4.7	3.3	6.7	97.3	4.3	4.0	4.3	4.7	5.7	6.0	6.3	6.3	5.3
NAVIGATOR III (PPG-FRR 127)	6.0	4.3	5.7	91.3	3.3	4.3	4.0	5.7	5.7	5.7	5.7	6.3	5.3
COMPASS II	4.7	4.0	6.7	99.0	3.7	4.3	4.0	4.0	6.3	5.7	5.7	6.3	5.2
5Z2	5.3	4.3	5.7	98.3	4.0	3.7	3.7	4.0	5.0	6.0	5.7	6.7	5.0
BAR FRC 123	4.7	4.7	6.3	97.0	3.3	4.3	3.7	4.7	5.0	5.3	5.3	6.3	5.0
KEVIN	5.3	3.7	5.3	96.3	4.0	3.0	4.0	5.3	5.0	5.3	5.7	6.3	5.0
PPG-FRC-130	5.7	3.7	6.0	97.7	3.3	4.0	3.3	3.3	6.3	5.7	5.3	6.7	5.0
RADAR II (PPG-FRC 127)	4.7	4.0	5.3	97.7	4.3	4.7	4.3	5.0	4.7	5.3	5.0	6.3	5.0
BLUE HORNET (PPG-FO-102)	5.3	4.3	5.7	97.7	3.7	4.3	3.7	5.0	4.3	5.0	5.3	6.3	4.9
DLF-FRR-3128	4.7	3.7	5.3	86.3	4.7	3.7	4.7	5.7	4.3	4.3	5.0	6.3	4.9
FOXFIRE 2	5.7	4.0	5.3	88.0	4.7	3.7	4.7	4.3	5.0	5.3	5.3	6.0	4.9
NAI-CHU1	5.3	3.3	6.3	97.3	4.3	3.3	3.3	4.3	5.3	5.7	5.7	6.3	4.9
PPG-FRR 132	4.3	4.3	6.0	96.0	4.7	4.0	4.3	4.7	4.7	5.0	5.7	6.0	4.9
JAMESTOWN VII	5.0	3.3	6.0	96.0	4.3	3.3	4.0	4.7	4.7	5.3	5.3	6.3	4.8
PST-4SWTM	4.7	2.0	5.7	98.3	4.0	2.7	4.0	5.0	5.3	5.3	5.0	6.3	4.8
PVF-HSY+	4.3	3.7	6.0	91.3	3.7	3.0	4.0	5.7	5.0	4.7	5.3	6.0	4.8
PVF-PDB-2020	4.7	4.0	5.3	89.0	4.0	3.3	4.0	5.3	5.0	5.3	5.3	5.3	4.8
DA5-RHF	5.3	3.3	5.7	95.0	4.7	3.3	4.3	4.7	5.0	5.3	5.0	5.3	4.7
5Z5	5.7	3.7	5.7	97.0	3.3	3.0	3.3	4.3	4.3	5.0	5.7	6.7	4.6
BEACON II (PPG-FL 128)	4.7	3.7	6.0	89.7	4.3	3.3	4.3	4.3	5.0	5.0	5.0	5.3	4.6
RAD-FC59	6.0	3.7	6.0	95.0	3.3	3.3	3.3	5.0	5.0	5.3	4.7	5.3	4.6
SWORD II (NAI-HAQ1+2)	5.0	3.0	6.0	94.7	3.0	2.3	3.7	5.3	5.0	5.3	5.3	5.3	4.6
BAR FT 135	5.7	3.7	5.3	91.3	4.0	3.3	4.0	4.3	5.0	5.0	4.7	5.3	4.5
STB1	4.7	5.0	5.0	89.7	3.3	3.3	3.0	5.0	4.7	5.0	5.0	5.3	4.5
BAR FO 131	5.3	4.0	5.0	89.7	4.0	3.0	3.3	4.7	5.0	5.0	4.7	4.3	4.3
BOREAL	3.7	3.7	4.3	93.0	4.0	3.7	4.0	4.3	4.3	4.3	4.3	5.3	4.3
RAD-FR64	5.3	4.0	4.7	88.0	4.0	3.7	3.7	4.3	4.3	4.0	4.7	5.7	4.3
SHADOW IV (PST-4SHAD)	4.0	4.7	5.0	88.0	4.7	3.3	3.7	4.3	4.3	4.7	5.0	5.0	4.3
BAR FT 132	4.7	2.7	4.7	91.0	3.7	3.0	4.0	4.7	4.0	4.3	4.3	5.3	4.2
GLADIATOR	5.3	3.0	5.3	86.3	3.7	2.3	3.3	5.3	4.7	4.3	4.3	5.0	4.2
RESOLUTE	5.0	3.0	5.0	91.7	4.0	3.0	3.7	4.3	5.3	4.3	4.0	4.7	4.2
BAR FRL 122	4.3	4.3	5.3	85.0	3.7	4.0	3.3	4.0	4.0	3.7	4.3	4.3	4.0
QUATRO	4.7	3.7	4.7	89.7	4.0	3.3	3.3	4.7	4.7	4.0	4.0	4.3	4.0
DLFPS-FL-3104	4.3	3.0	4.7	85.0	3.0	3.0	3.0	3.3	4.7	4.3	4.0	4.7	3.9
SPHD-20	5.0	2.7	4.0	86.7	3.7	2.7	3.7	4.0	4.3	3.7	4.0	4.3	3.8
LSD VALUE	2.7	1.4	2.1	17.9	3.5	1.3	2.2	3.3	2.5	2.8	1.9	1.9	1.2
C.V. (%)	18.4	19.1	16.3	7.0	23.8	19.0	18.7	20.9	19.4	20.1	16.9	16.8	12.1

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 23.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT MADISON, WI 1/
2023 DATA

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

NAME	GENETIC	SPRING	SPRING	SUMMER	FALL	COLOR	QUALITY RATINGS									MEAN
	COLOR	GREENUP	DENSITY	DENSITY	DENSITY	NOVEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
GLADIATOR	6.7	4.3	6.0	7.7	7.3	7.7	4.7	5.7	7.0	7.3	7.7	7.3	7.3	7.3	6.8	
BAR FT 132	6.0	4.3	5.7	7.0	7.0	6.7	4.7	5.3	6.7	7.0	7.0	7.0	7.3	6.7	6.5	
DLFPS-FL-3104	7.0	5.3	5.7	7.3	7.0	7.7	4.3	4.7	6.7	7.0	7.7	7.7	7.0	7.0	6.5	
PVF-PDB-2020	6.7	4.7	6.0	7.0	7.0	7.3	4.3	5.0	7.0	6.7	6.7	7.7	7.0	7.3	6.5	
TENACIOUS (NAI-HTB2)	6.3	5.3	6.0	7.0	7.3	6.7	4.7	5.7	7.0	6.7	6.7	7.3	7.0	7.0	6.5	
DA5-RHF	6.7	4.0	5.7	7.0	7.0	6.3	4.3	4.7	6.7	7.0	7.0	7.3	7.3	7.0	6.4	
SPHD-20	6.7	5.7	6.0	7.7	6.7	7.0	4.3	5.7	6.7	6.7	7.3	7.0	7.0	6.7	6.4	
SWORD II (NAI-HAQ1+2)	7.0	4.0	6.0	7.3	7.0	7.7	4.3	5.3	7.3	6.7	6.7	7.0	7.0	7.0	6.4	
BAR FT 135	6.3	4.7	6.0	7.0	6.7	6.7	5.0	5.3	6.3	6.7	6.7	7.0	7.0	6.0	6.3	
NAVIGATOR III (PPG-FRR 127)	7.0	3.7	5.3	7.0	6.7	6.0	4.0	5.0	6.0	6.3	7.7	7.7	7.0	6.3	6.3	
PPG-FRC-130	5.7	3.0	5.7	7.0	7.7	7.0	3.3	5.3	7.3	6.3	7.0	7.0	7.0	6.7	6.3	
RADAR II (PPG-FRC 127)	5.7	3.0	5.0	7.3	7.3	7.0	3.3	4.7	7.0	7.0	6.7	7.3	7.3	6.7	6.3	
COMPASS II	6.0	2.7	5.7	7.0	7.0	6.3	3.3	5.0	6.7	6.7	7.0	7.0	7.0	7.0	6.2	
5Z5	6.3	3.7	5.3	7.3	6.3	6.3	3.7	4.7	7.0	6.7	7.3	7.3	6.7	5.7	6.1	
BEACON II (PPG-FL 128)	6.7	4.7	6.0	7.0	6.3	6.3	4.3	4.3	7.0	6.7	7.0	7.0	6.7	6.0	6.1	
BRITTANY 2	5.3	3.0	5.7	6.7	7.0	6.3	4.0	5.0	7.0	6.3	6.7	6.7	6.7	6.7	6.1	
BAR FRL 122	5.3	3.7	5.3	6.7	6.3	6.3	4.0	4.7	6.7	6.3	6.3	6.7	6.7	6.3	6.0	
BYE	7.0	3.3	5.3	7.0	6.0	6.0	4.0	5.0	6.7	6.7	6.7	7.0	6.3	6.0	6.0	
CARDINAL II	6.7	3.7	5.0	6.7	6.3	6.0	4.0	5.0	5.7	6.0	7.0	7.3	6.3	6.3	6.0	
PPG-FRR 132	6.7	4.0	5.0	6.7	5.7	5.0	4.0	5.0	7.0	6.3	7.0	6.7	6.3	5.3	6.0	
RAD-FC59	6.3	3.3	5.7	6.7	6.7	6.0	3.7	5.3	7.0	6.0	6.3	6.7	7.3	6.0	6.0	
DLFPS-FRC-3105	5.3	2.7	5.0	7.0	6.3	6.0	3.3	4.7	6.3	6.3	6.3	7.0	7.0	6.0	5.9	
PVF-HSY+	6.3	3.7	5.3	6.7	6.3	6.0	3.7	5.3	6.0	6.0	6.7	7.0	7.0	5.7	5.9	
RESOLUTE	6.0	3.7	5.7	7.0	6.3	6.3	3.7	4.7	6.3	6.3	6.0	7.0	6.7	6.3	5.9	
BAR FRC 123	4.7	3.7	6.0	6.7	6.7	6.0	4.0	5.3	6.0	6.0	6.3	6.0	6.3	6.3	5.8	
DLF-FRR-3128	6.3	4.3	5.3	6.7	5.3	4.3	4.0	5.0	6.0	7.0	6.3	6.3	6.7	5.0	5.8	
PPG-FRR-134	6.7	3.3	5.0	7.0	5.7	5.7	3.7	4.7	7.0	6.0	6.7	6.7	6.0	5.3	5.8	
PVF-MVP-2020	6.0	3.0	5.0	6.3	7.0	6.0	3.3	5.0	6.0	6.0	6.3	7.0	7.0	6.0	5.8	
NAI-CHU1	5.7	2.0	5.0	7.0	6.3	5.3	2.7	4.3	6.7	6.3	6.0	6.7	6.7	6.3	5.7	
PST-4SWTM	5.0	3.3	5.3	6.3	5.7	5.3	3.7	4.7	6.3	6.0	6.0	6.3	6.3	6.0	5.7	
BAR FRC 130	5.0	2.7	5.7	6.7	6.7	6.3	3.3	4.3	6.0	6.0	6.3	6.3	6.7	6.0	5.6	
5Z2	6.3	4.0	5.3	6.3	5.7	5.0	4.0	4.7	6.3	6.3	5.3	6.0	6.3	5.3	5.5	
BLUE HORNET (PPG-FO-102)	6.0	4.7	5.7	7.0	6.0	5.7	4.3	5.0	5.7	5.7	6.3	6.0	6.0	5.0	5.5	
STB1	6.3	3.7	5.7	6.7	5.7	5.0	4.0	5.0	6.3	6.0	5.7	6.0	6.0	5.0	5.5	
FOXFIRE 2	6.3	4.0	5.3	6.0	5.0	4.0	3.7	5.3	5.7	6.0	6.0	5.7	5.7	5.0	5.4	
SEABREEZE GT	6.3	4.0	5.3	6.3	5.7	4.7	4.0	4.7	5.7	6.0	6.0	6.0	6.3	4.7	5.4	
SHADOW IV (PST-4SHAD)	4.7	3.7	5.7	6.3	5.7	5.7	3.7	5.0	5.7	5.3	5.7	6.3	6.3	5.0	5.4	
KEVIN	6.7	4.0	5.7	6.3	5.0	3.7	3.7	5.0	5.3	6.3	6.3	5.7	5.3	4.3	5.3	
QUATRO	6.0	4.7	6.0	6.3	6.0	7.3	4.0	4.7	5.7	5.7	5.7	5.7	5.7	5.0	5.3	
RAD-FR64	6.7	4.0	5.0	6.3	5.3	5.3	4.0	5.0	6.3	5.7	5.7	5.7	5.7	4.7	5.3	
BAR FO 131	5.7	3.0	5.0	6.0	6.0	5.3	2.7	4.7	6.3	5.7	5.7	5.3	5.7	5.7	5.2	
JAMESTOWN VII	5.3	2.7	5.3	6.0	5.3	5.0	3.0	4.7	6.0	5.7	5.0	5.0	6.0	5.3	5.1	
BOREAL	5.7	4.0	5.0	6.7	4.7	3.7	3.3	4.3	5.0	6.0	6.7	5.0	5.3	4.3	5.0	
LSD VALUE	1.3	1.2	1.0	1.1	1.1	1.3	1.3	1.6	1.0	1.9	1.4	1.1	0.9	1.2	0.5	
C.V. (%)	11.1	19.2	8.3	7.6	10.3	13.7	15.8	11.0	9.0	10.8	10.8	10.0	8.3	12.4	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.