

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/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL DENSITY	DORMANCY	COLOR OCTOBER	COLOR NOVEMBER	MAY	JUN	JUL	QUALITY RATINGS			MEAN
											SEP	OCT	NOV	
DLFPS-FL-3104	8.7	2.3	7.0	7.7	8.0	7.0	5.0	6.0	6.0	5.7	8.3	6.0	5.0	6.2
DA5-RHF	8.3	2.7	8.3	8.3	8.5	6.3	4.3	6.7	6.0	5.0	7.3	5.3	5.3	5.9
SPHD-20	8.7	2.7	7.7	8.3	7.0	6.3	5.0	6.3	6.0	5.3	7.3	5.3	5.0	5.9
SWORD II (NAI-HAQ1+2)	8.3	2.3	9.0	8.3	8.5	5.7	5.3	6.0	6.0	5.3	7.0	6.0	5.0	5.9
PPG-FRR 132	7.0	2.0	7.0	7.0	6.0	6.0	4.0	6.3	6.3	6.0	5.7	5.3	4.3	5.7
PVF-HSY+	7.0	2.3	7.3	8.0	7.3	5.7	4.3	5.7	6.7	6.3	6.3	5.3	4.0	5.7
TENACIOUS (NAI-HTB2)	7.7	3.0	7.7	8.3	7.0	6.0	4.3	6.0	6.0	5.7	6.3	5.7	4.3	5.7
5Z5	6.3	2.0	6.3	7.3	6.0	5.7	3.7	5.7	6.3	6.7	5.7	5.0	4.0	5.6
BRITTANY 2	7.3	2.0	7.0	7.3	4.5	5.7	4.0	6.7	6.7	6.3	5.7	5.0	3.3	5.6
RESOLUTE	7.7	1.7	8.0	8.3	5.0	6.0	4.7	5.0	6.0	5.7	7.0	5.3	4.3	5.6
REV (BYE)	6.3	1.7	6.7	7.3	5.3	5.3	4.0	6.3	6.3	6.7	5.7	4.7	3.7	5.6
COMPASS II	7.0	2.0	7.7	8.0	8.0	6.0	4.0	5.3	6.3	5.7	6.0	5.3	4.3	5.5
PPG-FL 128	7.3	2.7	7.7	8.0	5.5	6.7	4.3	5.7	6.3	5.7	5.3	5.7	4.3	5.5
PVF-PDB-2020	7.3	2.7	7.7	8.7	6.7	6.3	4.7	5.7	5.7	5.7	6.7	5.0	4.3	5.5
5Z2	6.7	1.7	7.3	7.0	4.5	4.7	4.3	5.3	6.3	6.0	5.3	5.3	4.0	5.4
PPG-FRC-130	7.3	2.3	7.7	7.3	6.5	6.0	4.0	6.0	6.3	5.3	6.0	5.0	3.7	5.4
PPG-FRR 127	6.0	2.0	7.0	6.7	4.0	5.3	3.3	6.3	6.7	6.3	5.3	4.7	3.0	5.4
PVF-MVP-2020	7.0	1.7	7.0	7.3	6.0	5.3	3.7	5.7	6.7	6.3	5.0	5.0	3.7	5.4
SHADOW IV (PST-4SHAD)	6.7	2.0	7.7	7.7	6.7	5.0	4.3	5.0	6.3	5.3	6.3	5.3	4.0	5.4
BAR FO 131	7.0	1.7	6.7	6.7	7.0	6.0	3.0	6.0	6.0	6.0	5.7	4.7	3.7	5.3
BAR FRC 130	7.0	2.0	7.3	7.3	6.0	5.7	3.3	5.0	6.3	6.3	5.3	5.3	3.7	5.3
BAR FT 132	7.7	2.3	7.3	7.0	5.5	6.3	4.3	4.7	5.7	5.3	5.7	5.3	5.0	5.3
GLADIATOR	7.7	1.3	7.7	7.7	6.0	6.0	4.3	5.3	6.0	6.3	5.0	5.3	4.0	5.3
KEVIN	7.3	1.7	6.7	6.0	3.7	6.0	3.0	5.3	6.0	6.7	5.7	4.7	3.7	5.3
PPG-FRR-134	6.0	1.7	6.3	6.7	5.3	5.3	3.7	5.3	6.3	6.3	5.0	5.0	3.7	5.3
PST-4SWTM	7.7	1.7	7.7	6.7	6.0	5.7	3.7	5.0	6.3	6.3	5.7	5.0	3.7	5.3
BAR FT 135	7.3	1.7	7.7	7.7	7.0	6.0	4.0	5.0	5.3	4.3	6.7	5.0	4.7	5.2
DLF-FRR-3128	6.3	2.0	7.0	6.7	4.3	5.7	3.3	5.7	6.7	6.0	4.7	4.3	3.7	5.2
PPG-FRC 127	6.3	2.0	7.0	7.0	5.0	5.7	3.3	5.7	7.0	5.7	4.7	4.3	3.7	5.2
BAR FRC 123	6.7	2.0	6.3	7.3	5.0	6.0	3.3	5.0	6.0	5.7	5.7	4.3	3.7	5.1
FOXFIRE 2	6.3	1.7	6.7	6.0	2.5	5.0	3.7	5.3	6.0	6.3	5.0	5.0	3.0	5.1
NAI-CHU1	6.7	1.7	7.3	7.3	4.0	5.0	3.7	5.7	6.0	5.7	5.0	5.0	3.3	5.1
SEABREEZE GT	6.3	2.3	6.0	7.0	6.7	5.0	3.7	5.7	6.0	5.7	5.7	4.3	3.0	5.1
STB1	6.3	1.7	6.3	6.3	5.3	4.7	3.3	5.3	7.0	6.3	4.7	4.3	2.7	5.1
CARDINAL II	7.0	2.0	6.3	6.3	4.0	5.7	2.7	5.7	6.0	6.7	5.0	3.7	3.0	5.0
DLFPS-FRC-3105	7.0	2.0	6.3	7.0	5.0	6.0	3.3	5.0	6.3	5.3	5.7	4.3	3.3	5.0
RAD-FR64	7.3	1.7	6.7	6.3	4.7	5.3	3.3	6.0	5.3	6.3	4.7	4.7	3.0	5.0
BAR FRL 122	6.0	1.3	6.7	7.3	4.3	5.0	3.3	4.0	5.7	6.3	5.3	4.7	3.7	4.9
JAMESTOWN VII	6.3	1.7	7.3	6.3	4.0	6.0	2.7	6.0	6.3	6.0	4.7	3.7	2.7	4.9
RAD-FC59	7.3	1.7	6.7	6.3	3.0	5.7	2.7	5.7	6.3	6.3	4.7	4.0	2.3	4.9
BLUE HORNET (PPG-FO-102)	7.3	1.7	7.0	6.3	2.5	5.7	3.7	4.3	5.3	4.7	4.7	4.7	3.7	4.6
QUATRO	6.7	1.7	6.7	6.7	5.0	6.0	3.7	4.0	5.3	4.7	5.3	4.0	3.0	4.4
BOREAL	6.0	1.7	6.3	6.0	1.5	5.0	2.0	4.7	5.7	5.3	3.7	3.0	2.3	4.1
LSD VALUE	1.4	1.2	2.6	2.5	7.0	1.4	1.5	1.9	1.1	1.4	2.0	2.0	1.7	1.0
C.V. (%)	10.6	26.5	13.1	13.9	39.9	11.2	20.6	15.0	8.2	11.6	18.2	17.2	22.8	9.0

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STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

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TABLE 2.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT STORRS, CT 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	COLOR SEPTEMBER	COLOR OCTOBER	APR	MAY	JUN	JUL	QUALITY RATINGS					MEAN
													AUG	SEP	OCT	NOV		
PPG-FL 128	6.3	5.7	6.3	6.0	7.3	7.3	7.3	7.3	5.3	5.3	6.3	6.0	6.7	7.3	7.7	7.3	6.5	
PVF-PDB-2020	7.0	5.7	6.0	6.0	7.3	7.7	8.0	7.3	5.0	5.3	6.7	6.0	6.7	7.7	7.7	7.3	6.5	
BAR FT 135	6.3	5.7	6.0	5.7	7.3	7.3	7.3	7.0	5.0	5.3	6.3	6.0	7.0	7.3	7.3	6.7	6.4	
NAI-CHU1	6.3	5.7	6.7	6.3	7.7	7.0	7.0	6.7	5.3	6.0	6.3	5.3	6.7	7.0	7.0	6.3	6.3	
SPHD-20	7.0	5.3	6.0	6.7	6.7	7.0	7.7	7.7	5.3	5.3	6.3	6.3	6.7	7.0	7.0	6.7	6.3	
SWORD II (NAI-HAQ1+2)	6.7	5.7	6.7	6.0	6.7	7.3	7.7	7.3	5.0	5.0	5.7	6.3	6.7	7.3	7.7	6.7	6.3	
BLUE HORNET (PPG-FO-102)	6.7	5.3	6.7	5.7	7.3	8.0	7.0	7.3	4.7	5.3	6.0	6.0	7.0	6.7	7.3	6.3	6.2	
DLFPS-FL-3104	7.0	5.0	6.7	6.0	7.3	7.0	7.7	7.3	5.3	5.0	6.0	6.0	6.7	7.0	6.7	6.7	6.2	
QUATRO	6.3	5.3	7.0	6.0	7.7	7.7	7.0	7.0	5.0	5.0	5.7	6.0	6.3	6.7	7.3	7.3	6.2	
TENACIOUS (NAI-HTB2)	6.7	5.7	6.0	6.0	7.0	7.3	7.3	7.0	4.7	5.3	5.7	6.0	7.0	7.3	6.7	7.0	6.2	
5Z2	6.3	6.0	6.0	6.0	6.3	6.3	7.0	7.0	5.7	5.7	6.3	6.0	6.0	6.7	6.3	6.0	6.1	
BAR FT 132	6.3	5.7	6.0	6.0	6.7	7.0	7.0	7.0	5.0	5.3	6.0	6.0	6.0	7.0	6.7	7.0	6.1	
DAS-RHF	6.7	6.0	6.3	5.7	7.0	7.0	7.3	7.0	4.7	5.3	5.7	5.7	6.3	7.3	7.0	7.0	6.1	
DLFPS-FRC-3105	6.0	5.7	6.3	6.0	7.0	6.7	6.7	6.3	5.0	6.0	6.3	5.3	6.3	7.0	6.7	6.3	6.1	
GLADIATOR	6.3	5.3	6.7	6.0	6.0	7.0	7.0	6.7	5.3	5.7	5.7	6.0	6.3	6.3	6.7	7.0	6.1	
PPG-FRR 127	6.0	6.0	6.0	6.0	6.7	7.0	7.3	6.7	6.0	5.7	6.3	5.0	6.0	6.7	6.7	6.7	6.1	
PVF-MVP-2020	6.0	6.0	6.3	6.3	6.7	6.7	6.3	6.3	5.7	6.0	6.3	5.3	6.0	6.7	6.3	6.7	6.1	
RESOLUTE	7.0	5.0	6.3	6.3	7.0	7.0	7.3	7.3	5.0	5.3	6.0	6.0	6.7	7.0	6.7	6.3	6.1	
5Z5	6.0	6.0	6.0	6.3	6.7	6.3	7.0	7.0	5.7	5.7	6.3	5.3	6.0	7.0	6.3	6.0	6.0	
BAR FRC 130	6.0	5.7	6.3	5.7	6.7	6.7	6.7	6.0	5.3	6.0	6.0	5.0	5.7	6.7	6.7	6.3	6.0	
COMPASS II	6.0	6.0	7.0	6.0	6.3	6.7	6.7	6.7	5.7	6.0	6.0	5.7	6.0	6.3	6.3	6.3	6.0	
PPG-FRR-134	6.7	6.0	6.0	6.3	6.3	6.3	6.3	6.0	5.3	6.0	6.7	6.0	6.0	6.3	6.3	5.7	6.0	
PST-4SWTM	6.0	6.0	6.3	6.0	6.7	6.7	6.7	6.3	5.7	6.0	6.0	5.7	6.0	6.0	6.3	6.3	6.0	
PVF-HSY+	6.0	6.0	6.3	6.0	6.7	6.7	7.0	6.7	6.0	5.3	6.3	5.3	5.7	6.7	6.7	6.3	6.0	
REV (BYE)	6.0	6.0	6.0	6.0	6.3	6.7	7.0	6.7	6.0	6.0	6.0	5.0	6.0	6.7	6.0	6.0	6.0	
STB1	6.0	6.0	6.0	6.3	6.7	6.7	7.0	6.7	6.0	5.3	6.0	6.0	6.3	6.7	6.0	6.0	6.0	
BAR FO 131	6.0	6.0	6.7	6.0	6.7	6.3	7.3	6.3	5.7	6.0	6.0	5.0	5.7	6.7	6.0	6.3	5.9	
BAR FRC 123	6.0	6.0	6.3	5.7	6.3	6.7	6.3	6.3	5.7	6.0	5.7	5.0	5.7	6.7	6.3	6.0	5.9	
BRITTANY 2	6.7	6.0	6.3	5.3	6.3	6.3	7.0	6.7	5.0	5.7	5.7	5.7	5.3	6.7	6.7	6.3	5.9	
JAMESTOWN VII	6.0	5.7	6.7	6.0	6.7	6.7	6.3	6.7	5.0	5.7	5.7	5.7	6.0	6.0	6.7	6.3	5.9	
PPG-FRC 127	6.0	5.3	6.3	6.0	7.0	6.3	7.0	7.0	5.0	5.7	6.0	5.3	6.0	6.7	6.3	6.0	5.9	
PPG-FRC-130	6.0	5.7	6.0	5.7	7.3	6.3	7.3	7.0	5.7	5.7	6.0	5.3	5.7	7.0	6.3	5.7	5.9	
BAR FRL 122	6.0	6.0	6.3	5.3	6.7	6.7	6.3	5.7	5.0	5.7	5.3	5.0	5.7	6.7	6.7	6.3	5.8	
RAD-FC59	6.0	5.7	6.7	5.7	6.3	6.3	7.7	7.0	5.3	6.0	5.7	5.0	5.3	6.3	6.0	6.3	5.8	
SHADOW IV (PST-4SHAD)	6.0	5.7	6.3	5.7	6.0	6.0	6.3	6.3	5.7	6.0	6.0	5.0	5.3	6.0	6.0	6.3	5.8	
KEVIN	5.7	5.7	6.0	5.7	6.0	6.0	6.7	6.3	5.3	5.3	6.0	5.3	5.7	6.0	6.0	6.0	5.7	
PPG-FRR 132	6.0	6.0	6.7	5.7	6.0	6.3	6.7	6.3	5.7	5.0	6.0	5.3	5.7	6.3	6.0	5.7	5.7	
DLF-FRR-3128	6.0	6.0	5.7	5.3	6.0	6.0	7.0	6.3	5.7	5.3	5.7	5.0	5.7	5.7	5.7	6.0	5.6	
SEABREEZE GT	6.0	5.3	6.3	5.3	6.3	6.3	6.0	5.7	5.0	5.0	5.7	5.7	6.0	6.0	5.7	6.0	5.6	
CARDINAL II	5.7	6.0	6.0	5.7	6.0	6.3	7.3	6.7	5.7	5.0	5.7	5.0	5.3	5.7	5.7	5.7	5.5	
FOXFIRE 2	5.7	6.0	6.7	5.7	5.7	6.0	7.0	6.0	5.7	5.3	6.0	5.0	5.3	5.7	5.7	5.7	5.5	
RAD-FR64	5.7	6.0	6.0	5.3	6.0	6.0	7.7	6.7	5.3	5.3	5.7	5.0	5.0	6.0	6.0	6.0	5.5	
BOREAL	5.3	5.0	6.0	5.0	5.0	5.0	6.0	5.0	4.7	5.0	5.0	4.7	5.0	5.0	5.0	5.3	5.0	
LSD VALUE	0.7	0.8	1.1	1.8	0.8	0.8	0.8	0.7	2.1	0.8	1.2	0.7	0.8	0.8	0.7	1.2	0.5	
C.V. (%)	6.5	6.6	7.1	9.5	7.5	7.4	6.6	6.3	12.0	7.4	7.9	7.7	7.8	7.5	6.9	9.3	4.8	

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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 AMES, IA 1/ 2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	QUALITY RATINGS									MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
5Z2	4.7	3.0	4.7	5.3	5.7	5.7	6.0	6.0	5.7	5.7	5.6	
DLFPS-FRC-3105	2.0	2.3	4.7	5.7	5.0	6.0	5.7	6.0	6.0	5.7	5.6	
PPG-FRC 127	3.0	2.7	5.0	5.7	5.3	6.0	5.3	6.0	6.0	5.3	5.6	
PPG-FRC-130	2.0	2.3	5.7	5.3	5.3	5.7	5.3	5.7	6.0	6.0	5.6	
PPG-FRR 127	4.3	2.7	5.0	6.0	5.0	5.7	5.7	6.0	6.3	5.3	5.6	
PPG-FRR-134	3.7	2.3	4.7	6.0	5.0	5.7	5.3	6.0	6.3	5.7	5.6	
PVF-PDB-2020	2.7	2.7	5.0	5.0	5.0	6.3	6.0	5.3	6.0	6.0	5.6	
REV (BYE)	2.7	2.3	5.3	5.3	5.7	6.3	5.3	5.7	6.0	5.3	5.6	
5Z5	5.0	3.3	4.7	5.7	5.0	6.0	5.3	6.0	6.0	5.7	5.5	
BAR FRC 123	1.7	1.0	5.3	5.0	4.7	6.3	6.0	5.7	5.7	5.3	5.5	
BAR FRL 122	2.0	1.7	5.0	5.3	5.3	6.0	5.7	5.3	5.7	6.0	5.5	
CARDINAL II	7.7	2.7	5.0	6.0	4.7	6.0	5.7	6.0	6.3	4.7	5.5	
COMPASS II	2.7	2.3	5.3	4.7	5.7	6.0	5.3	5.7	5.7	5.7	5.5	
FOXFIRE 2	5.0	3.7	4.0	5.7	4.7	6.0	6.0	6.0	6.0	5.3	5.5	
JAMESTOWN VII	3.0	2.7	4.3	5.3	5.0	6.3	5.7	6.0	5.7	5.7	5.5	
PPG-FRR 132	3.7	3.0	4.7	5.3	4.7	6.0	6.0	5.7	6.3	5.3	5.5	
PST-4SWTM	2.7	3.3	5.0	5.3	5.0	5.7	5.7	6.0	6.0	5.3	5.5	
PVF-HSY+	4.3	3.0	4.3	5.3	4.3	6.0	5.7	6.3	6.0	5.7	5.5	
PVF-MVP-2020	2.3	2.7	5.0	5.0	5.3	6.0	5.7	6.0	5.7	5.0	5.5	
RAD-FC59	4.7	4.0	4.3	5.3	5.3	6.3	5.7	5.7	6.0	5.3	5.5	
SPHD-20	4.0	4.0	5.3	5.3	4.7	6.0	5.7	5.7	6.0	5.3	5.5	
BAR FO 131	4.7	2.0	5.3	5.7	4.7	5.7	5.3	6.0	6.0	4.7	5.4	
KEVIN	5.7	3.3	4.3	5.3	4.7	6.0	6.0	6.0	6.0	4.7	5.4	
RAD-FR64	6.0	3.3	4.7	5.3	5.0	5.3	5.3	6.0	6.3	5.3	5.4	
STB1	4.7	3.3	4.7	5.7	5.0	6.0	5.0	5.7	5.7	5.3	5.4	
TENACIOUS (NAI-HTB2)	3.0	2.7	6.0	6.0	5.0	5.0	4.7	5.3	5.7	5.3	5.4	
BAR FT 135	4.3	2.3	4.7	5.3	4.7	5.7	5.3	4.7	6.0	6.3	5.3	
BOREAL	4.7	3.0	5.0	5.7	3.7	5.3	5.0	6.0	6.7	5.0	5.3	
BRITTANY 2	2.0	2.7	5.0	5.3	5.0	5.7	5.3	6.0	5.7	4.7	5.3	
DLF-FRR-3128	4.7	2.3	5.0	5.3	4.0	5.7	5.7	5.7	6.0	5.3	5.3	
NAI-CHU1	2.7	3.7	4.0	5.0	5.3	6.0	5.7	5.3	6.3	4.7	5.3	
RESOLUTE	3.3	3.3	5.7	5.3	5.0	5.3	5.3	5.3	5.0	5.7	5.3	
SEABREEZE GT	2.7	2.0	4.0	5.0	4.7	5.7	6.0	5.3	6.0	5.3	5.3	
SHADOW IV (PST-4SHAD)	3.0	2.3	5.0	5.3	5.0	5.7	5.3	5.3	5.7	5.3	5.3	
SWORD II (NAI-HAQ1+2)	3.0	2.7	4.7	5.3	5.3	5.3	5.3	5.3	5.7	5.7	5.3	
BAR FRC 130	2.0	1.7	5.3	5.0	5.0	5.0	5.3	5.7	5.3	4.7	5.2	
BLUE HORNET (PPG-FO-102)	3.7	2.0	5.0	5.0	4.7	5.7	5.3	5.0	5.7	5.3	5.2	
DLFPS-FL-3104	3.3	4.0	4.7	5.7	4.7	5.7	4.7	4.7	6.0	5.7	5.2	
GLADIATOR	3.3	3.0	4.7	5.0	5.0	5.7	4.3	5.0	6.0	5.7	5.2	
PPG-FL 128	2.7	2.7	5.0	5.7	5.3	5.7	4.3	4.7	5.7	5.3	5.2	
DA5-RHF	3.0	3.0	4.3	5.3	5.0	5.3	4.7	5.3	5.7	5.3	5.1	
QUATRO	3.0	3.0	4.3	5.0	4.7	5.7	5.7	5.0	5.0	5.3	5.1	
BAR FT 132	3.3	2.7	4.7	5.3	4.0	4.7	5.0	5.0	6.0	5.0	5.0	
LSD VALUE	1.7	1.3	1.7	1.7	1.8	1.9	2.9	1.1	1.0	2.4	0.8	
C.V. (%)	29.5	25.4	13.4	9.6	12.9	10.3	14.2	9.2	7.4	12.6	4.8	

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

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

TABLE 3.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT AMES, IA 1/
2022 DATA

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

NAME	TURFGRASS QUALITY			PERCENT GROUND COVER			COLOR		
	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	SPRING	SUMMER	FALL	SEPTEMBER	OCTOBER	NOVEMBER
5Z2	2.0	2.7	4.0	80.0	85.7	97.7	3.0	4.3	4.3
DLFPS-FRC-3105	3.3	2.7	4.0	89.7	89.3	98.7	3.3	3.3	3.7
PPG-FRC 127	2.7	3.3	3.3	90.0	88.3	98.3	2.3	3.7	4.0
PPG-FRC-130	3.7	3.3	4.0	89.0	84.7	97.3	2.7	4.3	5.3
PPG-FRR 127	2.0	4.3	5.7	83.7	80.0	97.3	3.3	4.0	5.7
PPG-FRR-134	2.0	5.0	4.0	89.7	80.7	98.0	2.3	3.7	5.0
PVF-PDB-2020	3.7	3.0	2.7	87.3	96.0	98.7	4.0	4.0	3.7
REV (BYE)	3.3	3.3	4.7	89.7	90.3	98.0	2.7	4.0	5.0
5Z5	3.0	2.3	4.3	75.7	92.3	97.0	2.7	4.3	5.0
BAR FRC 123	1.3	2.3	4.0	96.7	80.3	98.3	2.7	3.7	3.3
BAR FRL 122	2.3	3.7	4.3	87.7	77.3	99.0	2.0	2.0	1.7
CARDINAL II	2.7	3.3	4.0	83.7	81.0	94.7	3.7	5.3	6.7
COMPASS II	3.0	4.0	4.0	88.7	83.3	95.7	3.0	4.7	4.7
FOXFIRE 2	3.0	3.0	5.3	73.3	89.0	96.0	3.3	5.0	6.3
JAMESTOWN VII	1.7	5.7	4.7	86.0	71.3	97.7	4.0	4.7	6.0
PPG-FRR 132	3.0	4.0	7.0	86.3	83.7	97.0	2.7	4.3	6.0
PST-4SWTM	4.0	4.0	3.0	82.0	73.3	98.3	3.3	4.0	5.3
PVF-HSY+	2.3	3.3	5.7	83.0	82.3	97.7	3.0	4.7	4.7
PVF-MVP-2020	2.3	3.0	2.3	90.3	76.3	98.0	3.7	4.0	4.7
RAD-FC59	2.0	3.3	3.7	64.7	84.3	97.3	5.0	6.3	7.0
SPHD-20	6.0	6.0	2.0	70.3	68.0	99.0	4.0	4.0	4.0
BAR FO 131	1.7	3.7	4.3	94.3	52.3	95.3	4.3	6.3	8.0
KEVIN	3.3	3.3	5.3	76.0	82.3	94.7	3.7	6.0	6.0
RAD-FR64	2.3	4.0	6.7	82.0	80.0	95.7	3.3	6.0	7.3
STB1	3.0	5.7	6.7	78.7	60.0	98.0	3.0	4.0	6.3
TENACIOUS (NAI-HTB2)	6.3	3.7	3.0	84.0	71.0	98.3	5.3	4.7	4.7
BAR FT 135	2.3	6.0	4.7	89.7	61.0	94.7	4.3	6.0	4.7
BOREAL	5.7	4.0	7.0	69.7	65.3	90.7	5.3	6.3	6.0
BRITTANY 2	2.0	2.7	3.3	81.3	94.0	99.0	3.3	3.0	4.0
DLF-FRR-3128	2.3	3.0	6.0	90.3	77.0	97.3	3.3	4.0	6.3
NAI-CHU1	4.0	5.0	3.3	54.0	77.0	98.7	3.3	4.0	4.0
RESOLUTE	6.0	2.7	1.7	80.3	78.0	96.7	6.7	5.7	3.7
SEABREEZE GT	1.0	3.3	4.3	72.0	87.3	99.0	2.7	2.3	3.7
SHADOW IV (PST-4SHAD)	3.0	3.3	3.7	93.3	87.7	97.7	3.3	4.3	5.7
SWORD II (NAI-HAQ1+2)	3.0	3.0	3.0	79.0	79.7	97.7	6.7	5.0	5.0
BAR FRC 130	3.0	1.3	3.7	94.7	85.7	97.7	3.7	3.7	3.0
BLUE HORNET (PPG-FO-102)	2.7	2.3	2.7	91.7	79.3	98.3	3.7	4.3	3.0
DLFPS-FL-3104	4.7	2.0	1.7	56.0	83.7	98.3	8.3	4.7	3.3
GLADIATOR	3.7	4.0	4.0	77.0	88.7	98.7	5.7	3.7	5.0
PPG-FL 128	1.7	4.0	4.0	83.0	76.0	90.0	4.0	5.0	4.0
DA5-RHF	3.0	2.3	3.0	73.3	83.0	98.7	6.0	4.3	4.0
QUATRO	2.0	1.7	2.3	77.0	87.0	98.3	3.0	3.7	2.7
BAR FT 132	3.0	4.0	2.3	78.0	63.7	94.3	4.7	6.0	5.0
LSD VALUE	3.0	3.5	3.2	24.1	32.9	7.5	2.1	2.1	2.6
C.V. (%)	49.1	41.6	39.8	14.2	16.5	3.0	32.3	24.8	29.0

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 FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT AMES (SHADE), IA 1/
2022 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/												MEAN	
	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
RAD-FC59	6.0	8.3	6.0	2.3	6.7	5.7	6.0	6.0	5.3	6.0	6.0	5.7	5.3	5.8
PPG-FRC 127	5.3	6.3	5.3	5.0	6.0	5.7	5.3	5.7	5.7	5.7	6.0	5.7	5.7	5.7
PVF-MVP-2020	5.3	6.3	5.3	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.0	5.3	5.7
SWORD II (NAI-HAQ1+2)	4.3	4.7	4.3	4.0	6.7	5.3	6.0	5.7	6.3	5.7	5.3	6.0	5.0	5.7
5Z2	5.7	7.3	5.7	4.7	5.7	5.3	5.7	5.7	5.3	5.7	6.7	5.3	5.0	5.6
NAI-CHU1	4.7	6.7	4.7	2.0	5.7	5.7	6.0	5.3	5.7	5.7	5.7	5.3	5.7	5.6
BAR FRL 122	5.0	4.0	5.0	1.7	7.0	5.0	5.3	5.0	5.0	6.0	5.7	6.0	5.7	5.5
JAMESTOWN VII	5.3	6.3	5.3	2.3	7.3	5.3	5.7	5.3	4.3	6.3	6.0	5.7	5.7	5.5
PPG-FRR-134	6.7	6.7	6.7	3.0	5.7	5.0	5.7	5.0	5.7	6.0	5.3	6.0	5.7	5.5
PST-4SWTM	6.0	7.3	6.0	5.0	7.7	5.3	5.0	5.7	6.0	5.0	6.0	5.7	5.7	5.5
SHADOW IV (PST-4SHAD)	5.3	6.0	5.3	4.7	6.7	5.3	5.7	5.7	6.0	5.7	5.3	5.0	5.0	5.5
5Z5	8.3	6.0	8.3	2.7	6.0	4.0	5.3	5.0	5.7	6.0	6.0	5.7	5.7	5.4
BAR FRC 123	6.0	5.0	6.0	2.7	6.7	4.3	5.0	5.7	5.3	5.3	5.7	6.3	5.3	5.4
COMPASS II	5.3	4.3	5.3	2.3	6.7	5.3	5.3	5.0	5.3	5.3	5.3	5.7	5.7	5.4
BAR FRC 130	5.7	4.7	5.7	3.3	8.3	4.3	5.3	5.3	5.3	5.0	6.0	5.7	5.3	5.3
DLF-FRR-3128	8.3	6.0	8.3	3.0	7.0	4.7	5.0	5.0	5.0	5.0	6.0	5.7	5.7	5.3
DLFPS-FRC-3105	5.7	6.7	5.7	3.7	7.7	4.3	5.3	5.3	4.7	5.7	5.7	6.0	5.7	5.3
PPG-FRR 127	7.3	6.0	7.3	4.7	6.0	5.0	5.7	5.3	5.3	5.3	6.0	5.7	4.3	5.3
PVF-HSY+	5.3	7.3	5.3	3.0	5.0	5.7	5.3	5.3	6.0	5.3	5.3	5.3	4.3	5.3
RAD-FR64	7.0	8.0	7.0	3.3	6.0	5.3	5.7	5.3	5.3	5.0	5.0	5.7	5.0	5.3
REV (BYE)	6.3	5.7	6.3	2.3	6.3	4.3	5.3	5.3	4.7	5.7	6.0	4.7	6.0	5.3
SEABREEZE GT	5.7	4.0	5.7	1.7	7.0	4.3	5.3	6.0	5.0	5.3	6.0	5.7	4.7	5.3
STB1	7.3	5.0	7.3	3.0	6.0	4.3	5.3	5.7	4.7	5.7	5.0	5.0	6.3	5.3
TENACIOUS (NAI-HTB2)	5.3	4.7	5.3	3.0	6.7	4.7	5.7	5.0	5.7	5.3	5.7	5.7	4.7	5.3
BLUE HORNET (PPG-FO-102)	5.0	5.0	5.0	3.3	7.7	4.7	5.0	5.3	6.0	4.3	5.3	5.7	5.0	5.2
CARDINAL II	8.0	5.3	8.0	3.0	6.0	4.0	5.0	5.0	6.0	5.0	5.7	5.3	5.3	5.2
FOXFIRE 2	8.0	5.7	8.0	4.7	6.7	5.0	5.0	5.3	4.7	5.7	5.3	5.3	5.3	5.2
PPG-FRC-130	6.0	5.0	6.0	3.7	6.0	4.3	4.3	5.0	5.7	5.7	5.3	5.7	5.7	5.2
PVF-PDB-2020	5.0	5.3	5.0	4.3	6.7	5.0	5.3	5.3	5.7	4.3	4.3	6.0	5.3	5.2
KEVIN	7.7	6.7	7.7	4.0	6.3	5.3	4.7	5.3	5.3	5.0	5.3	5.0	4.7	5.1
PPG-FRR 132	7.3	6.3	7.3	3.7	6.0	4.7	5.0	5.0	5.0	4.3	5.7	5.7	5.3	5.1
BRITTANY 2	5.7	6.7	5.7	3.0	7.3	3.7	4.3	5.0	5.0	5.3	6.0	6.0	5.0	5.0
GLADIATOR	5.0	3.7	5.0	4.3	7.5	4.0	4.3	5.3	5.3	5.3	4.7	6.0	4.7	5.0
DA5-RHF	6.0	7.0	6.0	4.3	6.7	5.0	5.0	5.0	4.7	5.0	4.7	5.0	5.0	4.9
DLFPS-FL-3104	5.3	6.3	5.3	3.7	7.0	4.3	4.3	4.7	5.3	5.0	4.7	5.7	5.3	4.9
PPG-FL 128	5.0	6.7	5.0	5.3	7.0	4.7	4.3	5.0	5.7	5.0	5.0	4.7	5.0	4.9
BAR FT 135	5.7	5.3	5.7	3.3	7.0	4.3	4.0	5.0	5.3	4.7	5.3	5.3	4.3	4.8
QUATRO	4.3	5.7	4.3	4.0	7.0	4.7	4.3	4.3	4.7	5.0	5.0	5.7	5.0	4.8
SPHD-20	6.3	6.3	6.3	3.7	6.7	4.0	3.7	5.3	5.7	4.7	4.0	5.7	5.3	4.8
BAR FO 131	5.0	6.0	5.0	3.7	6.0	4.7	4.3	5.7	5.0	3.7	4.0	5.7	4.7	4.7
BAR FT 132	7.0	6.3	7.0	1.3	5.0	4.0	5.0	5.3	3.3	5.0	4.7	4.7	5.0	4.6
RESOLUTE	4.3	5.3	4.3	3.0	6.7	4.0	4.3	4.3	4.7	5.3	4.3	4.7	5.0	4.6
BOREAL	7.3	5.3	7.3	2.3	6.0	3.7	5.0	4.7	5.0	4.3	4.7	5.0	3.7	4.5
LSD VALUE	1.9	2.3	1.9	3.4	2.7	2.4	2.5	3.0	2.2	2.4	1.3	2.5	2.7	1.0
C.V. (%)	17.9	20.1	17.9	40.8	15.5	18.4	17.0	13.9	15.3	15.8	12.6	12.9	16.2	8.3

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 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT AMES (SHADE), IA 1/
2022 DATA

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

NAME	COLOR			PERCENT GROUND COVER RATINGS FROM					
	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
RAD-FC59	4.3	5.7	6.7	69.7	98.0	68.7	87.3	92.7	91.0
PPG-FRC 127	2.0	4.7	5.0	77.3	96.0	63.7	91.0	98.3	94.0
PVF-MVP-2020	3.7	4.7	5.0	80.7	96.3	64.0	89.0	95.7	96.0
SWORD II (NAI-HAQ1+2)	4.3	3.7	5.0	76.3	97.7	72.3	90.7	91.7	97.0
5Z2	4.0	7.0	6.3	74.3	96.0	56.7	84.0	92.3	82.0
NAI-CHU1	2.3	5.0	4.3	78.0	98.7	68.0	96.7	98.3	89.3
BAR FRL 122	3.3	3.7	4.0	77.0	94.0	63.0	88.7	88.0	96.3
JAMESTOWN VII	4.7	6.3	6.0	75.3	96.7	50.3	82.3	88.3	92.0
PPG-FRR-134	3.7	5.0	5.3	49.7	90.7	66.0	94.3	96.0	94.7
PST-4SWTM	6.7	4.3	6.7	60.0	91.0	68.3	75.0	82.3	96.0
SHADOW IV (PST-4SHAD)	4.0	6.0	5.0	71.3	98.0	72.3	86.7	89.3	75.7
5Z5	4.0	6.7	6.0	51.3	85.0	72.0	93.7	90.3	88.0
BAR FRC 123	4.7	4.7	5.7	49.7	83.3	55.3	82.3	89.3	95.7
COMPASS II	3.0	6.0	6.7	76.0	90.0	66.3	90.3	97.7	93.0
BAR FRC 130	5.3	6.0	5.7	68.0	92.7	65.0	85.7	84.7	90.0
DLF-FRR-3128	5.7	4.7	6.3	58.7	82.0	59.3	85.0	88.7	96.7
DLFPS-FRC-3105	4.0	5.3	4.7	57.3	88.3	58.3	93.3	95.7	90.0
PPG-FRR 127	3.3	5.3	5.0	61.7	89.0	62.0	76.3	96.7	89.0
PVF-HSY+	3.7	5.3	4.7	66.7	93.0	65.3	86.7	88.7	89.7
RAD-FR64	4.0	5.0	6.0	69.0	91.7	65.7	80.0	85.3	93.0
REV (BYE)	4.0	7.7	6.0	57.0	91.0	57.0	89.0	91.7	63.7
SEABREEZE GT	4.0	7.0	2.7	72.7	92.7	73.3	83.3	91.0	81.0
STB1	2.7	6.0	5.7	60.7	89.0	57.0	92.7	95.7	83.7
TENACIOUS (NAI-HTB2)	5.7	6.3	5.0	67.7	90.0	68.0	85.3	80.0	89.7
BLUE HORNET (PPG-FO-102)	7.3	3.3	6.3	59.3	87.7	84.3	80.3	76.7	96.7
CARDINAL II	3.3	4.0	6.0	51.7	76.3	70.7	81.3	89.7	91.3
FOXFIRE 2	5.7	5.3	5.7	61.0	80.7	39.7	76.7	73.0	86.0
PPG-FRC-130	2.3	5.0	5.7	60.7	74.3	63.0	90.7	97.3	94.7
PVF-PDB-2020	7.0	5.3	6.0	65.7	85.0	72.0	71.0	67.0	90.7
KEVIN	6.0	5.0	5.3	63.0	81.0	50.0	79.0	78.0	92.0
PPG-FRR 132	5.0	4.7	5.3	58.0	83.7	72.3	75.7	83.3	92.7
BRITTANY 2	5.0	5.7	5.3	30.7	62.7	59.0	90.0	86.0	93.0
GLADIATOR	7.0	5.7	7.3	63.7	66.3	58.0	79.0	70.7	92.7
DA5-RHF	5.7	4.7	6.3	48.0	85.7	64.7	82.3	79.0	88.0
DLFPS-FL-3104	5.7	4.3	6.7	46.3	60.7	56.7	69.3	65.3	90.7
PPG-FL 128	6.7	4.7	6.3	56.7	76.7	56.3	81.3	72.3	85.0
BAR FT 135	7.7	5.3	5.7	51.7	72.3	58.3	65.3	70.0	82.3
QUATRO	6.3	7.0	6.0	40.3	70.3	38.7	71.0	74.0	84.7
SPHD-20	5.3	5.0	6.0	39.7	62.0	53.7	66.3	65.7	93.3
BAR FO 131	4.3	6.3	7.0	51.7	78.7	51.7	58.3	59.3	89.3
BAR FT 132	8.0	6.7	7.0	49.7	87.7	46.0	70.0	60.3	72.7
RESOLUTE	4.3	5.7	6.7	43.7	60.3	50.3	75.3	68.3	83.0
BOREAL	6.0	4.7	3.7	45.7	79.7	61.3	59.0	70.0	86.7
LSD VALUE	2.5	5.3	3.2	54.3	54.9	72.6	21.5	21.2	25.3
C.V. (%)	30.2	30.1	22.9	30.6	20.7	29.1	13.3	14.0	10.9

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

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

TABLE 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT WEST LAFAYETTE, IN (HIGH AND LOW NITROGEN) 1/
2022 DATA

	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT GROUND HIGH NITROGEN QUALITY RATINGS											
	COVER	SPRING	NOVEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
	NAI-CHUI	70.0	6.0	5.3	6.3	7.0	6.7	6.7	6.3	7.3	6.7	6.5
PPG-FRC 127	68.3	6.0	6.0	6.7	7.0	6.7	5.3	6.3	6.7	6.0	6.3	
BRITTANY 2	80.0	5.7	6.0	6.7	6.7	7.3	5.7	5.0	7.0	5.3	6.2	
DLFPS-FRC-3105	71.7	6.0	5.7	6.7	6.3	7.3	5.7	5.0	7.0	6.0	6.2	
REV (BYE)	51.7	4.7	5.7	6.3	5.7	6.0	4.3	5.3	5.7	5.3	5.5	
5Z5	75.0	4.3	5.7	6.0	5.7	6.3	4.3	4.7	5.7	5.0	5.4	
STB1	76.7	5.3	5.3	6.0	4.7	6.3	5.3	5.0	5.3	5.0	5.4	
PPG-FRC-130	43.3	4.3	5.3	6.3	5.0	5.7	5.0	5.0	5.3	4.7	5.3	
SEABREEZE GT	71.7	5.7	5.0	5.0	5.7	6.0	4.7	5.3	5.7	5.3	5.3	
DLF-FRR-3128	68.3	4.7	5.0	5.7	5.7	6.0	3.0	5.0	5.7	4.3	5.0	
PVF-MVP-2020	60.0	4.0	5.0	5.7	5.3	5.3	4.7	5.0	5.3	4.0	5.0	
5Z2	73.3	4.7	4.7	5.0	5.0	6.0	3.0	5.0	5.3	5.0	4.9	
PPG-FRR 127	55.0	5.0	4.0	5.7	5.7	5.7	3.7	4.0	4.7	5.0	4.8	
PPG-FRR-134	33.3	3.7	4.7	5.0	4.3	5.7	4.0	5.0	5.3	4.0	4.8	
SHADOW IV (PST-4SHAD)	58.3	4.3	4.0	4.0	4.3	6.0	4.7	4.7	5.3	4.3	4.7	
PPG-FRR 132	58.3	4.3	4.3	4.7	4.3	5.0	4.0	4.7	5.3	4.3	4.6	
JAMESTOWN VII	35.0	4.0	4.3	4.3	4.3	5.0	4.3	4.3	5.7	3.3	4.5	
PVF-HSY+	45.0	4.3	4.3	4.7	4.7	5.0	2.7	3.7	5.0	4.0	4.3	
COMPASS II	36.7	4.0	4.0	4.0	4.0	4.0	3.7	4.3	5.3	4.3	4.2	
KEVIN	43.3	4.0	4.0	4.7	3.3	4.0	3.3	3.7	4.0	4.0	3.9	
BAR FRL 122	20.0	3.7	4.7	4.7	4.0	4.3	3.7	2.7	3.0	3.3	3.8	
RAD-FC59	23.3	3.7	3.3	3.3	4.0	4.0	3.3	3.3	4.3	3.7	3.7	
BAR FRC 130	15.0	3.7	3.7	3.7	4.0	4.0	4.0	2.7	4.0	2.7	3.6	
RAD-FR64	28.3	3.0	4.3	4.3	3.0	3.7	2.7	3.7	3.3	4.0	3.6	
CARDINAL II	40.0	3.0	3.3	3.3	4.0	4.0	2.0	3.0	4.0	3.3	3.4	
FOXFIRE 2	29.3	3.3	3.7	4.0	3.3	3.3	2.3	3.0	3.7	3.7	3.4	
PST-4SWTM	16.0	3.3	3.7	4.0	3.0	3.3	3.3	2.7	3.7	3.3	3.4	
BAR FRC 123	20.0	3.3	3.0	3.0	4.0	4.0	3.0	2.0	4.0	3.0	3.3	
DA5-RHF	4.0	2.0	2.7	2.7	3.0	2.7	2.7	3.0	3.3	2.7	2.8	
PPG-FL 128	4.7	2.3	3.0	3.0	3.0	2.7	2.3	2.3	2.7	2.3	2.7	
BOREAL	13.7	1.7	3.7	3.3	1.7	2.0	2.0	2.3	2.0	2.0	2.4	
BAR FO 131	1.0	1.3	2.3	2.7	2.0	2.0	2.7	2.0	2.3	2.0	2.3	
BAR FT 135	3.0	1.7	2.7	2.7	2.3	2.0	2.3	2.3	1.3	2.0	2.2	
SPHD-20	1.0	2.3	2.0	2.0	2.3	2.3	2.3	2.0	2.0	2.7	2.2	
BLUE HORNET (PPG-FO-102)	3.0	1.3	2.0	2.0	2.0	2.0	3.0	1.3	2.7	2.0	2.1	
PVF-PDB-2020	2.0	1.0	2.3	2.3	2.0	2.0	2.7	1.3	2.3	1.7	2.1	
RESOLUTE	3.7	1.7	2.3	2.3	2.3	2.0	1.7	1.7	2.0	1.7	2.0	
TENACIOUS (NAI-HTB2)	1.7	1.7	2.3	2.3	1.7	2.3	1.7	1.7	2.3	2.0	2.0	
GLADIATOR	1.7	1.7	2.7	2.7	1.7	1.0	2.0	2.0	1.3	1.7	1.9	
SWORD II (NAI-HAQ1+2)	3.0	1.7	2.0	2.0	1.7	2.3	1.7	2.0	1.7	1.7	1.9	
BAR FT 132	1.7	1.0	2.3	2.3	1.7	1.7	1.7	1.3	1.7	1.0	1.7	
DLFPS-FL-3104	1.0	1.3	2.0	2.0	1.3	1.0	1.7	1.7	1.7	1.3	1.6	
QUATRO	1.3	1.3	1.7	1.7	1.3	1.0	1.3	1.3	2.7	1.7	1.6	
LSD VALUE	23.1	1.2	1.3	1.3	2.1	1.5	1.7	1.6	1.6	1.5	0.9	
C.V. (%)	46.4	23.4	21.3	20.8	33.5	24.1	31.3	29.6	25.1	26.7	16.1	

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.

3/ SPLIT PLOT NITROGEN TREATMENT BEGAN ON 7/13/22 WITH 1.51b N/1000 ft2 APPLIED USING SHAW'S FAIRWAY GRADE FERTILIZER (28-0-10).
DIFFERENCES IN FERTILIZER TREATMENTS WERE NOT PRESENT UNTIL NOVEMBER.

TABLE 6.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT MANHATTAN, KS 1/
2022 DATA

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

NAME	GENETIC PERCENT GROUND DROUGHT TOLERANCE				QUALITY RATINGS							
	COLOR	COVER	FALL	JUNE	JULY	APR	MAY	JUN	JUL	AUG	SEP	OCT
BAR FT 135	5.7	89.7	7.0	5.7	6.3	6.0	6.0	4.7	5.0	5.7	5.7	5.6
PVF-PDB-2020	5.7	73.3	7.7	6.0	6.0	7.0	7.0	5.3	4.3	4.7	5.0	5.6
RESOLUTE	6.3	81.7	7.7	6.0	6.3	6.3	7.0	5.3	4.3	5.0	4.7	5.6
BAR FT 132	6.0	88.3	6.3	6.0	6.3	6.0	6.0	5.3	4.7	5.3	5.0	5.5
PPG-FL 128	6.0	76.7	6.7	6.0	6.0	6.3	6.7	5.0	4.7	5.0	4.3	5.4
SPHD-20	5.7	71.7	7.0	5.3	6.0	7.7	6.3	4.7	4.3	4.3	4.3	5.4
TENACIOUS (NAI-HTB2)	7.0	75.0	5.7	6.0	6.3	6.0	5.3	5.0	4.7	4.3	4.7	5.2
SWORD II (NAI-HAQ1+2)	6.3	79.7	6.0	5.0	6.7	6.7	5.0	4.3	4.0	4.7	4.3	5.1
DLFPS-FL-3104	5.7	71.7	5.7	5.7	5.7	7.0	5.0	4.3	4.3	4.3	4.0	5.0
GLADIATOR	6.0	61.7	7.3	5.7	5.7	6.7	6.3	5.0	4.0	3.3	3.7	5.0
DA5-RHF	5.3	68.3	6.7	5.7	5.0	5.7	6.0	5.0	4.3	4.3	4.0	4.9
DLFPS-FRC-3105	5.7	65.0	6.7	3.0	6.3	7.3	6.0	2.7	3.3	4.0	3.3	4.7
PVF-MVP-2020	5.7	65.0	5.7	3.0	6.0	6.3	6.0	3.7	3.7	3.3	3.7	4.7
BLUE HORNET (PPG-FO-102)	5.7	58.3	6.0	4.7	6.3	5.7	5.7	4.3	3.3	3.7	3.3	4.6
BAR FRC 130	6.0	68.3	6.3	4.7	4.7	5.7	5.7	3.7	3.3	4.0	3.7	4.4
NAI-CHU1	6.0	50.0	5.7	1.7	5.7	6.3	5.3	3.7	2.7	3.0	3.3	4.3
PPG-FRC-130	6.7	63.3	5.7	3.0	6.0	6.3	5.3	2.7	3.3	3.3	3.3	4.3
BAR FRC 123	6.0	68.3	7.3	4.0	4.0	4.7	5.3	3.7	4.0	4.0	3.7	4.2
PST-4SWTM	5.7	53.3	6.7	4.7	5.0	5.0	5.3	3.3	3.3	3.3	4.3	4.2
COMPASS II	6.0	63.3	5.0	2.7	5.3	5.3	5.0	2.7	3.3	3.7	3.7	4.1
JAMESTOWN VII	5.7	63.3	5.3	4.3	5.0	5.3	5.0	3.3	3.0	3.7	3.7	4.1
PPG-FRC 127	6.7	48.3	5.0	4.3	5.7	6.3	4.3	3.3	2.7	3.3	3.0	4.1
PPG-FRR-134	6.0	65.0	6.7	4.0	5.0	5.7	5.0	3.3	2.7	3.7	3.7	4.1
REV (BYE)	5.7	56.7	6.3	4.0	5.0	5.0	5.7	3.3	3.0	3.3	3.7	4.1
BRITTANY 2	6.3	43.3	6.0	3.3	5.3	6.0	6.0	3.3	2.3	2.7	2.3	4.0
KEVIN	7.0	68.3	6.3	5.3	4.3	4.7	4.3	4.0	3.7	3.7	3.7	4.0
PVF-HSY+	6.0	58.3	5.7	3.0	5.0	5.0	5.0	2.3	3.3	3.7	3.3	4.0
BAR FRL 122	5.7	58.3	6.7	4.0	4.3	4.3	5.3	3.3	3.0	3.7	3.3	3.9
STB1	6.0	51.7	6.0	4.0	4.7	5.0	4.7	3.3	3.0	3.0	3.3	3.9
PPG-FRR 127	5.3	53.3	5.7	4.0	5.0	4.0	4.3	3.0	3.0	3.7	3.7	3.8
QUATRO	6.3	40.0	5.3	4.3	5.7	5.0	4.7	3.7	2.7	2.3	2.3	3.8
RAD-FC59	6.7	50.0	6.0	4.0	5.7	5.7	4.7	2.0	2.7	3.0	3.0	3.8
RAD-FR64	7.3	53.3	6.3	4.3	4.3	4.3	4.3	3.3	3.0	3.3	3.7	3.8
5Z2	6.3	53.3	5.7	3.7	4.7	5.0	5.0	2.7	2.7	3.3	2.7	3.7
5Z5	6.0	59.7	5.0	3.0	5.0	4.7	4.0	3.0	2.7	2.7	3.3	3.6
CARDINAL II	6.7	53.3	6.7	4.0	4.3	4.3	4.7	2.7	2.7	3.0	3.3	3.6
SHADOW IV (PST-4SHAD)	6.3	43.3	6.7	4.3	4.0	4.0	4.7	3.3	3.3	3.0	3.0	3.6
BAR FO 131	6.0	43.3	7.0	4.0	3.7	4.3	4.7	3.0	2.7	3.0	3.0	3.5
DLF-FRR-3128	6.0	51.7	6.3	4.0	4.0	4.3	4.7	3.3	2.7	2.7	3.0	3.5
PPG-FRR 132	6.3	46.7	6.0	4.0	4.0	4.3	3.7	3.0	2.7	2.7	2.7	3.3
SEABREEZE GT	5.7	41.7	5.7	3.7	4.0	4.0	4.3	2.3	2.7	2.7	3.0	3.3
FOXFIRE 2	6.7	48.3	5.7	4.7	3.7	3.7	3.7	3.0	3.0	2.7	3.0	3.2
BOREAL	7.0	40.0	6.7	4.7	3.3	3.3	3.3	2.7	2.3	2.7	2.7	2.9
LSD VALUE	3.1	56.0	3.3	2.5	1.3	1.2	2.4	2.2	2.5	2.4	2.1	1.2
C.V. (%)	13.8	32.3	17.3	28.1	15.4	13.8	21.2	29.7	30.1	28.9	26.2	16.5

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

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

TABLE 7.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2022 DATA

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

NAME	WEAR TOLERANCE RATINGS			QUALITY RATINGS								
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
GLADIATOR	6.0	5.7	5.7	6.3	7.0	6.3	6.0	6.3	6.3	6.7	6.0	6.4
PVF-PDB-2020	6.3	5.3	5.3	6.3	6.7	6.7	6.0	6.0	6.3	6.3	6.3	6.3
SWORD II (NAI-HAQ1+2)	6.0	6.3	6.0	5.7	6.7	6.7	6.0	6.0	6.3	7.0	5.7	6.3
TENACIOUS (NAI-HTB2)	6.3	5.7	5.7	5.7	6.3	6.3	6.0	6.0	6.7	6.7	6.7	6.3
PPG-FRC 127	5.7	5.7	4.7	7.0	6.7	6.0	5.7	6.3	6.0	6.3	5.7	6.2
PPG-FL 128	6.3	7.0	6.7	5.7	6.7	6.7	6.0	6.0	6.0	6.3	5.7	6.1
DLFPS-FL-3104	6.3	6.7	6.3	5.7	6.7	6.7	5.7	6.0	6.0	6.0	5.7	6.0
PPG-FRC-130	4.7	4.0	4.0	7.0	6.3	6.0	5.7	6.0	6.0	5.7	5.3	6.0
BRITTANY 2	5.7	4.7	4.3	6.7	6.0	6.0	5.7	5.7	6.0	6.3	5.0	5.9
DA5-RHF	6.7	6.7	6.0	5.3	6.0	6.0	6.0	6.0	6.3	6.0	5.7	5.9
SPHD-20	5.7	6.0	6.0	5.3	6.0	6.0	5.7	6.0	6.0	6.0	5.3	5.8
NAI-CHU1	5.0	4.3	4.3	6.3	5.7	5.7	5.3	5.3	6.3	5.7	5.3	5.7
BLUE HORNET (PPG-FO-102)	5.0	5.3	5.3	5.7	5.7	6.0	5.3	5.3	5.3	5.7	5.7	5.6
DLFPS-FRC-3105	6.3	5.3	5.0	6.0	5.3	5.3	5.7	6.3	5.7	5.3	5.3	5.6
SHADOW IV (PST-4SHAD)	4.7	3.7	4.0	6.0	5.3	5.0	5.3	6.0	6.0	6.0	5.3	5.6
BAR FT 135	5.3	5.3	5.3	5.3	5.3	5.0	5.0	5.0	5.7	6.7	5.7	5.5
COMPASS II	4.7	4.3	3.7	6.0	5.3	5.0	5.3	5.3	5.7	5.7	5.7	5.5
JAMESTOWN VII	4.7	4.3	4.0	5.3	5.0	6.0	6.0	5.7	5.0	5.3	5.7	5.5
RAD-FC59	5.3	4.3	4.3	5.0	5.3	6.0	5.3	5.7	5.7	5.3	5.3	5.5
RESOLUTE	5.7	5.3	5.7	5.7	6.0	5.7	5.7	6.0	5.7	5.3	4.0	5.5
BAR FRC 123	5.3	4.3	4.3	5.3	5.0	5.3	5.3	5.7	5.7	5.3	5.3	5.4
QUATRO	5.3	5.7	5.7	5.3	5.7	5.7	5.3	5.3	5.7	5.7	4.7	5.4
5Z5	4.3	3.7	3.3	5.3	6.0	5.0	5.0	5.0	5.3	5.0	5.3	5.3
FOXFIRE 2	5.3	5.0	4.7	5.0	5.3	5.3	5.0	5.3	5.3	5.0	5.3	5.2
PPG-FRR 127	5.0	5.3	4.3	5.7	5.3	5.3	5.0	5.3	5.3	5.3	4.3	5.2
PPG-FRR-134	4.7	5.0	3.7	5.7	5.7	5.3	5.0	5.3	5.0	5.0	4.7	5.2
DLF-FRR-3128	4.3	4.3	3.7	4.7	5.3	5.0	5.3	5.3	5.7	4.7	4.7	5.1
PPG-FRR 132	4.3	3.7	3.3	5.3	5.7	5.3	5.0	4.7	5.3	4.7	5.0	5.1
PST-4SWTM	4.0	4.0	4.0	5.0	5.3	5.0	5.0	5.0	5.0	5.3	5.0	5.1
REV (BYE)	4.3	4.7	3.7	5.3	6.0	5.0	5.0	5.0	5.0	5.0	4.7	5.1
BAR FO 131	4.0	3.7	4.0	5.0	4.7	5.0	5.0	5.0	5.3	4.7	5.0	5.0
BAR FRC 130	4.3	4.7	4.0	5.0	4.7	5.0	5.0	5.3	5.3	5.0	4.7	5.0
BAR FRL 122	4.7	4.7	4.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
BAR FT 132	5.0	5.0	5.3	4.3	5.0	5.3	5.0	5.0	5.0	6.0	4.7	5.0
CARDINAL II	4.3	4.3	4.3	5.0	5.0	5.0	5.0	4.7	5.3	5.3	5.0	5.0
PVF-HSY+	4.3	3.3	3.3	5.3	5.7	5.0	5.0	5.0	5.0	4.7	4.7	5.0
SEABREEZE GT	4.0	3.7	3.7	5.0	5.3	5.0	5.0	5.0	4.7	4.7	5.0	5.0
KEVIN	4.0	3.3	3.0	5.0	5.0	5.0	5.0	5.0	5.0	4.7	4.3	4.9
PVF-MVP-2020	5.7	5.0	4.3	5.7	5.0	5.0	5.0	5.0	4.7	4.7	4.3	4.9
RAD-FR64	3.7	3.3	3.3	5.0	5.7	5.0	4.7	5.0	5.0	4.3	4.7	4.9
STB1	4.0	3.7	3.7	5.0	5.7	5.0	4.7	4.7	4.7	4.7	4.7	4.9
5Z2	4.3	4.3	3.7	4.7	5.3	5.3	5.0	5.0	5.0	4.3	4.0	4.8
BOREAL	4.7	5.0	4.7	4.7	4.7	4.7	5.3	4.7	4.3	4.3	4.0	4.6
LSD VALUE	0.9	0.7	0.8	0.7	0.8	0.5	0.7	0.6	0.8	0.8	0.8	0.4
C.V. (%)	11.1	9.7	11.0	8.3	8.9	6.2	7.4	7.3	8.8	9.1	9.9	4.9

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 8.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT COLLEGE PARK, MD 1/
2022 DATA

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

NAME	QUALITY RATINGS						MEAN
	MAY	JUN	JUL	AUG	SEP	OCT	
SPHD-20	5.7	4.7	5.0	5.3	5.7	5.0	5.2
RESOLUTE	5.3	4.7	5.3	5.3	5.3	4.3	5.1
BAR FO 131	5.0	4.7	4.7	4.7	4.7	4.3	4.7
PVF-PDB-2020	5.3	4.0	4.3	4.3	5.0	5.3	4.7
TENACIOUS (NAI-HTB2)	5.0	4.0	4.3	4.3	5.0	5.0	4.6
BRITTANY 2	5.0	4.3	4.3	4.7	4.7	4.0	4.5
GLADIATOR	5.0	3.7	4.0	4.7	4.7	5.0	4.5
COMPASS II	4.3	4.3	4.3	4.3	4.7	4.3	4.4
DA5-RHF	4.3	4.0	4.3	4.3	4.7	4.7	4.4
PPG-FRC 127	5.0	4.3	4.3	4.3	4.7	4.0	4.4
BAR FT 132	5.0	4.0	4.3	4.3	4.7	3.7	4.3
DLFPS-FL-3104	5.0	3.7	3.7	4.0	4.3	5.0	4.3
SWORD II (NAI-HAQ1+2)	5.0	3.3	4.0	4.0	4.3	5.0	4.3
BAR FRC 123	4.3	3.7	4.0	4.0	4.3	4.7	4.2
PVF-MVP-2020	4.3	4.0	4.0	4.3	4.3	4.3	4.2
5Z2	4.0	3.7	4.0	4.3	4.3	4.3	4.1
BAR FRL 122	4.3	3.7	4.0	4.3	4.3	4.0	4.1
BAR FT 135	4.7	3.3	4.0	4.0	4.3	4.3	4.1
BAR FRC 130	4.3	3.7	4.0	4.0	4.0	4.0	4.0
PVF-HSY+	4.3	4.3	4.3	3.7	3.7	3.7	4.0
REV (BYE)	4.3	4.3	4.3	4.0	3.7	3.3	4.0
BLUE HORNET (PPG-FO-102)	4.3	4.7	3.7	3.7	3.7	3.3	3.9
FOXFIRE 2	4.0	3.7	3.7	4.0	4.3	4.0	3.9
PPG-FRC-130	4.3	3.7	4.0	4.0	3.7	4.0	3.9
JAMESTOWN VII	4.0	3.3	3.3	3.7	4.0	4.3	3.8
PPG-FRR 127	4.0	3.7	3.3	4.0	3.7	4.0	3.8
5Z5	3.7	3.7	3.7	3.7	3.7	3.7	3.7
DLFPS-FRC-3105	4.0	3.0	3.3	4.0	4.0	4.0	3.7
KEVIN	4.0	3.7	3.7	3.7	3.7	3.3	3.7
PPG-FRR 132	3.7	3.3	3.7	3.7	4.0	4.0	3.7
PST-4SWTM	4.0	3.3	3.3	3.3	3.7	4.0	3.6
QUATRO	4.3	3.3	3.3	3.3	3.7	3.7	3.6
STB1	4.0	3.3	3.3	3.3	3.3	4.0	3.6
PPG-FL 128	4.0	3.3	3.3	3.3	3.3	3.7	3.5
PPG-FRR-134	3.7	3.0	3.0	3.7	3.7	4.0	3.5
RAD-FC59	3.7	3.0	3.0	3.7	3.7	4.0	3.5
SEABREEZE GT	3.3	3.3	3.3	3.7	3.7	3.7	3.5
CARDINAL II	3.7	3.0	3.3	3.3	3.7	3.7	3.4
DLF-FRR-3128	3.3	3.0	3.3	3.3	3.3	4.0	3.4
NAI-CHU1	3.7	2.7	3.0	3.3	3.7	4.0	3.4
RAD-FR64	3.7	3.3	3.3	3.3	3.3	3.3	3.4
SHADOW IV (PST-4SHAD)	3.7	2.7	2.7	3.7	3.3	3.3	3.2
BOREAL	3.3	2.7	2.7	3.3	3.0	3.0	3.0
LSD VALUE	1.0	1.5	1.2	1.3	1.0	0.8	0.8
C.V. (%)	13.0	19.2	17.0	15.5	14.5	11.9	11.6

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 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE 2020 NATIONAL FINELEAF FESCUE TEST AT EAST LANSING (WITH NITROGEN), MI 1/ 2022 DATA

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

NAME	GENETIC	COLOR		QUALITY RATINGS						MEAN
	COLOR	SEPTEMBER	MAY	JUN	JUL	AUG	SEP	OCT		
PVF-MVP-2020	7.0	6.0	7.7	7.0	7.3	8.7	9.0	7.0	7.8	
COMPASS II	6.7	6.0	6.7	6.7	6.7	8.0	8.0	7.0	7.2	
DLFPS-FRC-3105	6.0	6.0	7.0	6.7	6.0	8.0	8.7	7.0	7.2	
NAI-CHU1	6.3	6.0	7.0	6.7	6.3	8.0	8.3	7.0	7.2	
PPG-FRC 127	6.7	6.0	7.0	7.0	6.3	7.7	8.3	7.0	7.2	
PPG-FRC-130	6.3	6.0	7.3	7.0	6.7	7.7	7.7	7.0	7.2	
5Z2	6.7	6.0	6.0	6.0	6.0	8.0	8.3	7.0	6.9	
PPG-FRR 127	7.0	6.0	6.7	5.3	6.0	8.0	8.3	7.0	6.9	
PPG-FRR-134	6.3	6.0	6.7	5.7	6.3	7.7	8.3	6.7	6.9	
RAD-FC59	7.3	6.0	6.3	6.7	6.3	7.3	7.3	6.7	6.8	
STB1	6.3	6.0	6.0	6.0	6.3	7.7	8.0	7.0	6.8	
PST-4SWTM	7.0	6.0	6.3	6.0	6.0	7.0	7.7	6.7	6.6	
PVF-HSY+	6.7	6.0	5.7	6.0	5.7	7.3	7.7	7.0	6.6	
RAD-FR64	7.3	6.0	5.7	5.3	6.3	7.3	7.7	7.0	6.6	
5Z5	6.0	6.0	5.7	5.7	5.3	7.3	7.7	7.0	6.4	
BAR FRC 130	6.3	6.0	6.0	6.0	5.7	6.7	7.3	6.7	6.4	
BRITTANY 2	6.3	6.0	5.7	6.0	5.0	6.3	7.7	7.0	6.3	
JAMESTOWN VII	6.7	6.0	5.3	6.7	5.3	6.3	7.3	7.0	6.3	
PPG-FRR 132	6.3	6.0	5.7	5.0	5.3	6.7	8.3	7.0	6.3	
REV (BYE)	6.3	6.0	6.0	5.3	5.7	7.0	7.3	6.7	6.3	
SHADOW IV (PST-4SHAD)	6.3	6.0	5.3	5.7	6.0	7.0	7.3	6.7	6.3	
FOXFIRE 2	7.0	6.0	5.7	5.3	5.0	7.0	7.3	7.0	6.2	
BAR FRC 123	6.3	6.0	5.7	5.7	5.0	6.3	6.7	6.7	6.0	
CARDINAL II	6.3	6.0	5.0	4.3	5.0	7.3	7.7	6.7	6.0	
KEVIN	6.7	6.0	5.3	5.0	5.3	6.7	7.3	6.3	6.0	
BAR FRL 122	5.7	6.0	5.3	5.7	5.3	6.3	6.7	6.3	5.9	
DA5-RHF	6.3	6.0	4.7	5.0	5.0	7.0	7.3	6.7	5.9	
DLF-FRR-3128	6.3	6.0	5.7	4.7	5.3	6.3	7.0	6.3	5.9	
PVF-PDB-2020	6.3	6.0	4.3	5.3	5.0	7.0	7.0	6.3	5.8	
SEABREEZE GT	6.0	6.0	5.3	5.0	4.7	5.7	7.3	6.0	5.7	
GLADIATOR	6.3	6.0	5.0	4.3	5.0	6.7	6.3	6.3	5.6	
SWORD II (NAI-HAQ1+2)	7.0	6.0	4.3	4.3	4.7	6.0	7.3	6.3	5.5	
BAR FO 131	6.3	6.0	5.0	4.7	5.0	5.3	6.0	6.0	5.3	
TENACIOUS (NAI-HTB2)	6.7	6.3	3.0	3.3	4.3	6.0	6.7	6.0	4.9	
BOREAL	5.3	6.0	4.3	3.0	4.3	5.3	5.0	5.0	4.5	
RESOLUTE	7.0	6.3	3.3	3.3	3.7	4.7	5.7	5.7	4.4	
BLUE HORNET (PPG-FO-102)	6.7	7.0	3.7	3.0	3.7	4.7	4.3	5.7	4.2	
SPHD-20	6.7	7.0	2.3	2.7	3.3	4.3	5.0	5.7	3.9	
DLFPS-FL-3104	6.7	7.0	2.0	2.3	3.0	3.7	5.0	5.0	3.5	
PPG-FL 128	6.3	6.3	2.3	2.7	2.7	3.3	4.7	5.0	3.4	
QUATRO	6.7	7.0	3.0	2.7	3.0	3.3	4.0	4.3	3.4	
BAR FT 135	6.7	6.7	2.3	2.3	2.7	3.0	4.3	5.0	3.3	
BAR FT 132	6.7	7.0	2.0	2.3	3.3	4.0	3.3	4.3	3.2	
LSD VALUE	1.1	0.3	1.6	1.5	1.6	1.8	1.3	0.9	1.2	
C.V. (%)	7.7	2.9	20.0	18.9	19.1	17.7	12.4	9.3	13.1	

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 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT EAST LANSING (NO NITROGEN), MI 1/
2022 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS			MEAN
		AUG	SEP		
PVF-MVP-2020	7.0	8.3	8.7		8.5
NAI-CHU1	6.3	8.0	8.3		8.2
5Z2	6.7	7.7	8.0		7.8
DLFPS-FRC-3105	6.0	7.3	8.3		7.8
COMPASS II	6.3	7.7	7.7		7.7
PPG-FRR 127	6.7	7.0	8.3		7.7
PPG-FRC 127	5.7	7.0	8.0		7.5
PVF-HSY+	6.3	7.0	8.0		7.5
STB1	5.7	6.7	8.3		7.5
PPG-FRR-134	6.0	7.0	7.7		7.3
RAD-FR64	7.3	7.3	7.3		7.3
BRITTANY 2	6.0	6.3	7.7		7.0
PPG-FRC-130	6.0	7.0	7.0		7.0
PST-4SWTM	6.3	6.7	7.3		7.0
RAD-FC59	7.3	7.0	7.0		7.0
REV (BYE)	6.3	6.7	7.3		7.0
CARDINAL II	6.3	6.3	7.3		6.8
PPG-FRR 132	6.0	6.0	7.7		6.8
5Z5	6.0	6.0	7.3		6.7
BAR FRC 130	5.7	6.3	7.0		6.7
FOXFIRE 2	7.0	6.0	7.3		6.7
JAMESTOWN VII	6.7	6.3	7.0		6.7
SHADOW IV (PST-4SHAD)	6.3	6.0	7.3		6.7
DA5-RHF	6.0	6.0	7.0		6.5
KEVIN	6.3	6.0	7.0		6.5
PVF-PDB-2020	6.0	6.3	6.7		6.5
SWORD II (NAI-HAQ1+2)	6.7	5.7	7.3		6.5
BAR FRC 123	5.7	5.7	6.3		6.0
DLF-FRR-3128	6.0	5.7	6.3		6.0
SEABREEZE GT	6.0	5.0	7.0		6.0
BAR FO 131	6.0	5.3	6.3		5.8
GLADIATOR	6.0	6.0	5.7		5.8
TENACIOUS (NAI-HTB2)	6.7	4.7	6.7		5.7
BAR FRL 122	5.7	5.3	5.7		5.5
RESOLUTE	6.3	4.0	5.7		4.8
BOREAL	4.7	4.7	4.7		4.7
SPHD-20	6.3	4.0	5.3		4.7
BLUE HORNET (PPG-FO-102)	6.0	4.3	4.3		4.3
DLFPS-FL-3104	6.0	3.3	4.7		4.0
PPG-FL 128	5.7	3.0	4.7		3.8
QUATRO	6.3	3.3	4.3		3.8
BAR FT 132	6.7	3.7	3.3		3.5
BAR FT 135	6.7	2.7	4.3		3.5
LSD VALUE	0.8	1.9	1.5		1.5
C.V. (%)	7.2	19.7	14.3		15.1

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 11.

MEAN TURFGRASS QUALITY RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT EAST LANSING (TRAFFIC), MI 1/
2022 DATA

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

NAME	QUALITY RATINGS				MEAN
	AUG	SEP	OCT		
NAI-CHU1	7.7	5.0	5.3		6.0
PVF-MVP-2020	6.3	5.7	5.7		5.9
FOXFIRE 2	5.0	5.7	6.3		5.7
BAR FRC 123	5.7	4.7	6.0		5.4
RAD-FR64	4.3	6.0	6.0		5.4
TENACIOUS (NAI-HTB2)	5.3	5.0	6.0		5.4
BRITTANY 2	6.3	4.3	5.3		5.3
PPG-FRR-134	5.7	4.3	6.0		5.3
5Z2	5.3	4.7	5.7		5.2
PVF-HSY+	5.7	5.0	5.0		5.2
CARDINAL II	5.0	4.7	5.7		5.1
PPG-FRC 127	6.0	4.3	5.0		5.1
PPG-FRR 132	5.3	5.0	5.0		5.1
SHADOW IV (PST-4SHAD)	5.3	4.7	5.3		5.1
BLUE HORNET (PPG-FO-102)	4.0	4.3	6.7		5.0
PPG-FRR 127	5.7	4.3	5.0		5.0
BAR FRL 122	5.3	4.3	5.0		4.9
DA5-RHF	4.7	4.7	5.3		4.9
PPG-FRC-130	6.7	4.0	4.0		4.9
QUATRO	3.3	5.3	6.0		4.9
REV (BYE)	5.3	4.7	4.7		4.9
STB1	6.0	4.3	4.3		4.9
BOREAL	3.7	5.7	5.0		4.8
PVF-PDB-2020	5.0	4.7	4.7		4.8
BAR FT 132	4.7	4.3	5.0		4.7
RESOLUTE	4.3	4.3	5.3		4.7
DLF-FRR-3128	5.3	3.3	5.0		4.6
DLFPS-FRC-3105	7.0	2.7	4.0		4.6
PST-4SWTM	5.0	3.7	4.7		4.4
SPHD-20	4.0	4.0	5.3		4.4
DLFPS-FL-3104	5.0	3.7	4.3		4.3
JAMESTOWN VII	6.3	3.0	3.7		4.3
KEVIN	4.0	4.0	5.0		4.3
BAR FO 131	4.3	3.3	5.0		4.2
PPG-FL 128	4.3	3.3	5.0		4.2
RAD-FC59	5.0	3.7	4.0		4.2
BAR FRC 130	5.0	3.7	3.7		4.1
GLADIATOR	4.0	3.7	4.3		4.0
SWORD II (NAI-HAQ1+2)	4.7	3.3	4.0		4.0
5Z5	5.0	3.3	3.3		3.9
COMPASS II	6.3	2.7	2.7		3.9
BAR FT 135	4.3	3.0	3.7		3.7
SEABREEZE GT	4.3	3.0	3.7		3.7
LSD VALUE	0.9	4.0	3.4		1.9
C.V. (%)	11.3	31.3	25.9		16.4

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 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT EAST LANSING (NO TRAFFIC), MI 1/
2022 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS							MEAN
		MAY	JUN	JUL	AUG	SEP	OCT		
NAI-CHU1	6.0	6.7	7.7	6.3	7.7	7.0	7.7	7.2	
PPG-FRC-130	6.0	6.0	7.0	7.0	6.7	6.3	7.0	6.7	
BRITTANY 2	6.0	6.0	7.3	6.7	6.0	6.0	6.3	6.4	
DLFPS-FRC-3105	6.0	6.0	7.0	6.3	6.3	5.7	6.7	6.3	
PPG-FRC 127	6.3	6.3	7.3	7.0	5.0	5.7	6.3	6.3	
COMPASS II	6.0	6.7	7.0	6.3	5.0	5.7	6.3	6.2	
PVF-MVP-2020	6.0	6.0	7.0	6.0	6.0	5.7	6.7	6.2	
BAR FRC 130	6.0	5.0	6.7	6.3	5.3	5.7	6.3	5.9	
JAMESTOWN VII	6.0	5.0	6.0	5.3	6.3	5.3	6.0	5.7	
PPG-FRR 127	6.7	4.3	5.0	5.7	6.0	5.7	6.0	5.4	
PPG-FRR-134	6.0	5.7	5.7	6.3	6.0	4.3	4.7	5.4	
BAR FRC 123	6.0	5.0	5.3	6.0	5.3	5.3	5.0	5.3	
REV (BYE)	6.0	5.0	6.0	5.7	5.3	4.3	4.7	5.2	
STB1	5.7	5.0	5.3	5.7	5.7	4.0	5.7	5.2	
BAR FRL 122	6.0	4.0	5.3	5.7	5.3	4.7	5.7	5.1	
RAD-FC59	7.0	4.7	6.0	5.3	5.0	4.7	5.0	5.1	
SHADOW IV (PST-4SHAD)	6.0	4.7	5.0	5.3	5.3	4.3	5.3	5.0	
PVF-HSY+	6.0	4.0	5.0	5.3	5.3	4.7	5.3	4.9	
PPG-FRR 132	6.0	4.0	4.7	6.0	5.0	4.3	5.0	4.8	
5Z2	6.0	4.0	4.7	5.3	5.0	3.7	4.3	4.5	
DA5-RHF	6.3	3.3	4.0	4.7	5.0	4.7	5.3	4.5	
SEABREEZE GT	5.3	3.7	5.3	5.7	4.3	3.3	4.7	4.5	
PST-4SWTM	6.0	3.7	4.7	5.3	5.0	3.3	4.7	4.4	
5Z5	6.3	3.0	4.3	4.7	5.0	4.0	4.0	4.2	
DLFPS-FL-3104	6.7	2.3	3.7	5.0	5.0	4.0	4.7	4.1	
FOXFIRE 2	6.0	4.3	4.0	5.0	5.0	2.3	3.7	4.1	
GLADIATOR	6.0	3.0	4.3	5.0	4.3	3.7	4.0	4.1	
PVF-PDB-2020	6.3	2.3	3.3	5.0	5.0	4.7	4.0	4.1	
SWORD II (NAI-HAQ1+2)	6.0	2.3	4.0	5.0	5.0	3.7	4.7	4.1	
TENACIOUS (NAI-HTB2)	6.3	2.0	3.7	4.7	5.3	4.3	4.3	4.1	
RAD-FR64	7.0	3.7	4.3	5.0	4.7	3.0	3.3	4.0	
CARDINAL II	5.7	3.3	4.0	5.0	4.7	2.7	3.7	3.9	
DLF-FRR-3128	6.3	4.0	4.0	5.0	5.0	2.7	3.0	3.9	
BLUE HORNET (PPG-FO-102)	7.0	2.3	3.7	5.0	4.3	3.7	3.7	3.8	
RESOLUTE	6.3	2.3	3.3	4.7	4.7	3.3	4.3	3.8	
BAR FT 135	6.0	2.0	4.3	4.3	4.0	3.3	4.0	3.7	
SPHD-20	6.7	1.7	3.3	4.7	4.0	3.7	4.3	3.6	
BAR FO 131	6.3	2.3	4.0	4.7	4.3	2.7	3.0	3.5	
KEVIN	6.0	2.3	3.7	4.7	4.3	2.7	3.3	3.5	
PPG-FL 128	6.0	1.0	3.7	4.0	4.3	3.0	4.7	3.4	
BAR FT 132	6.3	1.0	3.3	3.7	4.7	2.7	3.7	3.2	
QUATRO	6.7	1.7	3.3	4.3	3.7	2.3	3.0	3.1	
BOREAL	5.7	1.3	3.7	4.0	3.7	2.0	2.7	2.9	
LSD VALUE	0.9	1.0	1.2	1.0	1.4	1.0	1.0	0.7	
C.V. (%)	6.9	18.4	15.7	11.4	15.2	15.9	13.4	9.5	

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 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT ST. PAUL, MN 1/
2022 DATA

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

NAME	GENETIC COLOR	SUMMER DENSITY	PERCENT GROUND COVER			QUALITY RATINGS					MEAN
			SUMMER	MAY	JUN	JUL	AUG	SEP	OCT		
GLADIATOR	7.3	7.7	95.3	6.3	6.7	7.0	7.3	6.7	7.7	6.9	
PVF-PDB-2020	6.0	8.0	96.7	6.3	6.0	7.0	7.0	6.3	7.0	6.6	
DA5-RHF	7.0	7.7	95.0	6.3	6.0	6.7	6.7	6.3	7.0	6.5	
SWORD II (NAI-HAQ1+2)	7.3	6.7	91.7	7.0	6.3	6.7	5.7	5.7	6.3	6.3	
DLFPS-FL-3104	6.3	6.7	94.0	6.3	6.0	6.0	6.0	6.0	7.0	6.2	
SPHD-20	6.0	8.0	93.0	5.7	5.7	6.7	6.0	6.0	6.0	6.0	
PPG-FL 128	4.7	7.3	91.7	6.0	5.7	6.3	5.3	5.7	6.3	5.9	
TENACIOUS (NAI-HTB2)	6.3	6.7	93.3	5.7	5.7	6.0	5.7	5.7	6.3	5.8	
BAR FT 135	4.7	6.3	91.3	5.0	5.0	5.3	5.7	6.3	6.3	5.6	
PPG-FRC 127	4.3	6.7	93.0	5.7	5.3	5.3	5.3	5.3	6.3	5.6	
PPG-FRC-130	4.0	6.7	90.7	6.0	6.7	5.3	4.7	4.7	5.0	5.4	
BAR FRL 122	4.7	6.3	94.7	4.3	6.0	5.0	5.0	5.3	5.3	5.2	
RESOLUTE	5.7	5.0	88.3	5.7	5.0	5.7	4.7	5.0	5.3	5.2	
BRITTANY 2	2.0	6.7	92.0	6.0	6.3	5.3	4.3	4.7	4.0	5.1	
CARDINAL II	5.3	6.0	84.0	4.3	4.0	4.7	4.0	5.3	6.3	4.8	
DLFPS-FRC-3105	3.3	5.7	86.0	5.0	6.3	5.0	4.3	4.3	4.0	4.8	
BAR FT 132	5.0	5.3	80.0	5.0	4.3	5.0	4.0	4.7	5.0	4.7	
PVF-MVP-2020	4.0	5.3	89.7	4.0	5.7	4.7	4.3	4.3	5.0	4.7	
REV (BYE)	4.7	5.3	85.0	5.0	5.0	4.7	4.7	4.3	4.7	4.7	
NAI-CHU1	3.7	5.7	88.7	5.0	6.0	4.3	3.7	4.3	4.0	4.6	
PST-4SWTM	4.0	5.3	89.3	4.0	5.7	4.7	3.7	4.7	4.7	4.6	
RAD-FC59	5.3	4.7	84.7	4.7	5.7	4.3	4.0	4.3	4.3	4.6	
COMPASS II	3.3	5.0	87.3	4.3	4.7	4.7	4.0	4.0	4.7	4.4	
PPG-FRR 127	6.7	5.0	87.0	4.3	5.0	4.3	3.7	4.3	4.7	4.4	
5Z5	5.0	5.3	84.3	4.0	5.0	4.0	3.7	4.7	4.7	4.3	
BLUE HORNET (PPG-FO-102)	5.3	6.0	88.3	4.0	4.0	4.3	3.7	4.7	5.3	4.3	
QUATRO	5.7	5.7	92.0	4.7	4.0	4.0	4.0	4.3	5.0	4.3	
SEABREEZE GT	3.3	4.7	89.3	3.7	4.3	4.0	3.3	4.7	5.7	4.3	
PPG-FRR 132	5.0	5.3	85.0	4.3	4.3	3.7	3.7	4.3	4.7	4.2	
SHADOW IV (PST-4SHAD)	3.0	5.7	90.3	4.7	4.7	4.3	3.3	4.0	4.0	4.2	
5Z2	5.7	5.3	83.3	4.3	4.7	3.7	3.7	4.0	4.3	4.1	
BAR FRC 130	3.3	6.3	90.7	4.3	4.7	4.0	3.7	4.0	4.0	4.1	
STB1	4.7	5.3	81.7	4.7	4.0	3.7	3.3	4.7	4.3	4.1	
BAR FRC 123	2.7	5.0	88.0	4.3	4.7	3.7	2.3	4.7	4.3	4.0	
PPG-FRR-134	5.3	4.7	86.7	4.3	4.3	3.0	3.3	4.7	4.3	4.0	
PVF-HSY+	5.7	5.0	82.7	5.0	4.3	3.3	3.0	4.0	4.3	4.0	
JAMESTOWN VII	3.3	4.3	83.7	4.0	4.3	4.0	3.3	4.0	4.0	3.9	
DLF-FRR-3128	5.0	4.3	84.0	3.7	3.7	3.7	3.0	4.3	4.7	3.8	
FOXFIRE 2	6.7	4.3	81.0	3.7	4.7	3.3	3.0	4.0	4.3	3.8	
RAD-FR64	6.0	3.7	78.7	4.0	3.7	3.0	3.0	4.3	4.7	3.8	
KEVIN	5.7	4.3	84.0	3.7	3.7	3.0	2.7	4.7	4.7	3.7	
BAR FO 131	4.0	4.0	78.0	4.0	3.7	3.0	2.7	3.7	3.3	3.4	
BOREAL	5.0	4.3	82.7	3.3	2.0	2.7	2.3	3.3	4.0	2.9	
LSD VALUE	1.4	1.9	6.7	1.3	1.4	1.5	1.5	1.4	1.7	0.9	
C.V. (%)	18.5	19.0	4.6	16.3	16.9	19.7	22.3	16.4	19.2	12.2	

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

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

TABLE 14.

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

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

NAME	GENETIC COLOR	SPRING GREENUP	SUMMER DENSITY	PERCENT GROUND COVER	QUALITY RATINGS							MEAN
					SUMMER	MAY	JUN	JUL	AUG	SEP	OCT	
RESOLUTE	5.0	4.3	6.3	80.7	7.0	5.7	6.0	5.3	5.3	5.3	5.8	
PVF-PDB-2020	3.7	5.0	5.3	81.3	6.0	5.3	5.7	5.7	5.7	5.7	5.7	
BRITTANY 2	4.3	5.7	6.3	78.3	6.0	6.3	6.0	5.0	4.7	5.3	5.6	
PPG-FL 128	4.0	4.7	5.7	78.7	6.0	5.0	5.7	6.0	5.0	5.3	5.5	
PPG-FRC 127	3.0	5.3	5.7	76.0	6.3	6.0	5.3	5.0	4.7	5.7	5.5	
BAR FRC 123	3.7	6.7	6.3	73.7	6.0	6.0	4.7	5.3	5.0	5.7	5.4	
BAR FRC 130	2.0	5.7	6.7	62.0	6.0	5.3	5.3	4.7	5.0	6.0	5.4	
NAI-CHU1	3.7	4.0	5.7	70.0	6.0	5.7	5.3	5.0	5.0	5.7	5.4	
PPG-FRC-130	3.7	6.0	5.7	76.3	6.3	6.3	5.3	4.7	4.7	5.3	5.4	
TENACIOUS (NAI-HTB2)	5.3	5.3	7.0	76.7	6.7	5.7	5.7	4.7	5.0	5.0	5.4	
DLFPS-FRC-3105	3.0	5.0	5.7	76.7	6.0	5.7	5.7	4.7	4.7	5.3	5.3	
GLADIATOR	4.0	4.7	5.7	74.7	6.0	5.3	5.3	5.7	5.0	4.7	5.3	
REV (BYE)	4.7	3.7	6.7	78.0	5.7	5.7	5.0	5.0	4.7	6.0	5.3	
SWORD II (NAI-HAQ1+2)	3.7	4.7	6.0	76.3	5.3	5.7	6.0	5.3	5.0	4.3	5.3	
STB1	4.3	4.3	5.7	71.3	5.3	5.0	5.0	4.7	4.7	6.7	5.2	
BAR FRL 122	4.0	5.3	7.3	84.3	5.0	4.7	4.7	5.0	5.3	5.7	5.1	
RAD-FC59	5.7	5.7	6.3	71.7	6.3	5.0	4.0	4.7	4.7	5.7	5.1	
5Z5	5.3	4.7	5.0	71.0	5.7	5.3	4.0	4.3	4.7	5.3	4.9	
COMPASS II	3.3	5.0	5.3	73.7	5.7	5.3	4.3	5.0	4.0	5.3	4.9	
JAMESTOWN VII	3.3	3.7	6.0	62.3	6.3	5.3	4.7	4.0	4.3	5.0	4.9	
PVF-MVP-2020	3.0	6.0	5.7	67.3	5.7	5.3	4.3	4.3	4.3	5.3	4.9	
DA5-RHF	5.3	4.7	6.0	79.0	5.3	4.7	4.7	4.3	5.0	5.0	4.8	
PPG-FRR 127	5.0	5.0	5.0	73.3	4.7	5.3	4.3	4.7	4.3	5.3	4.8	
RAD-FR64	5.3	3.7	5.0	65.7	5.3	5.0	4.7	4.3	4.3	5.0	4.8	
DLFPS-FL-3104	6.0	5.0	5.7	80.0	5.7	4.3	4.0	4.3	4.7	5.0	4.7	
PPG-FRR 132	5.0	4.3	5.0	65.3	4.7	3.7	4.0	4.7	5.0	6.0	4.7	
SHADOW IV (PST-4SHAD)	3.3	6.0	5.3	63.3	5.7	5.3	4.7	4.0	4.0	4.7	4.7	
SPHD-20	5.3	3.7	5.3	80.7	5.7	4.7	4.3	4.0	4.7	5.0	4.7	
BLUE HORNET (PPG-FO-102)	5.7	5.3	7.3	72.3	6.0	4.0	4.3	3.7	4.7	5.0	4.6	
DLF-FRR-3128	5.7	5.3	5.0	71.0	4.3	4.7	4.0	4.3	4.3	5.3	4.5	
PPG-FRR-134	5.0	3.0	6.0	79.7	4.7	4.7	4.3	4.0	4.3	5.0	4.5	
PST-4SWTM	4.0	3.0	5.0	71.3	5.0	5.0	4.3	4.0	4.0	4.7	4.5	
PVF-HSY+	5.3	3.7	5.3	71.0	5.0	4.7	4.0	4.3	4.3	4.7	4.5	
5Z2	4.3	5.0	4.3	68.0	5.3	4.0	4.0	4.3	4.0	4.7	4.4	
KEVIN	6.3	5.3	5.0	64.0	5.0	4.3	3.7	4.3	4.0	5.3	4.4	
QUATRO	5.7	4.3	6.3	76.3	5.7	4.0	3.7	3.7	4.3	5.0	4.4	
BAR FT 135	5.7	5.3	5.7	71.3	4.7	4.0	4.0	3.7	4.3	5.3	4.3	
FOXFIRE 2	6.0	5.7	5.0	71.3	4.7	4.3	3.7	4.0	4.3	4.7	4.3	
SEABREEZE GT	4.3	4.7	5.0	68.7	4.7	4.7	4.3	4.3	4.0	4.0	4.3	
BAR FO 131	4.7	5.7	5.0	63.7	5.0	4.3	4.0	3.3	3.7	5.0	4.2	
CARDINAL II	8.0	5.3	5.3	76.0	4.0	3.3	3.3	3.7	4.7	5.3	4.1	
BAR FT 132	6.0	4.7	4.7	67.7	4.3	4.0	3.3	3.3	4.0	4.0	3.8	
BOREAL	3.7	2.0	3.0	37.0	2.7	2.7	3.0	2.3	2.0	2.3	2.5	
LSD VALUE	1.5	1.7	1.6	14.1	0.9	0.9	1.3	0.9	1.0	1.4	0.7	
C.V. (%)	19.6	19.8	15.1	11.0	10.6	12.0	16.2	12.8	12.7	14.3	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 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT RALEIGH, NC 1/
2022 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS											MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PPG-FRR 127	8.3	8.3	7.7	7.7	7.3	8.0	9.0	8.3	8.0	6.7	4.3	5.0	7.0	7.2
PVF-HSY+	8.3	8.3	7.7	7.3	7.0	8.0	8.7	8.0	7.7	6.0	4.7	6.0	6.7	7.1
5Z5	8.3	8.3	7.3	6.7	6.3	8.0	8.7	8.0	7.0	6.0	3.3	4.3	5.0	6.4
PPG-FRR 132	8.0	8.0	5.7	6.3	6.7	7.7	8.7	8.0	6.7	5.3	3.7	5.3	5.7	6.3
PPG-FRR-134	8.7	8.0	5.3	5.7	5.7	7.7	8.0	8.0	7.7	6.0	3.3	5.7	6.0	6.3
STB1	8.3	8.0	4.7	5.7	6.0	7.7	8.3	8.0	7.3	6.0	4.0	4.7	7.0	6.3
REV (BYE)	8.0	8.0	6.0	5.7	6.7	7.7	8.7	8.0	7.3	5.3	3.3	4.3	5.3	6.2
NAI-CHU1	8.0	8.7	5.0	5.7	5.7	8.0	7.7	8.0	6.0	5.7	4.0	5.3	5.7	6.1
COMPASS II	8.0	8.7	4.3	5.3	5.3	7.7	7.7	8.0	6.3	5.3	4.0	5.7	6.7	6.0
KEVIN	9.0	7.3	4.3	4.3	5.0	7.7	7.7	8.0	7.0	5.7	3.7	4.7	6.7	5.9
BRITTANY 2	8.0	8.7	5.7	5.7	5.7	7.7	7.3	8.0	6.0	4.7	3.3	4.0	5.3	5.8
CARDINAL II	8.7	8.3	5.7	5.7	6.0	7.0	7.0	7.7	7.0	5.0	3.0	4.0	5.7	5.8
FOXFIRE 2	8.3	7.3	5.3	5.0	5.3	6.3	6.0	8.0	7.3	5.3	3.7	4.3	5.7	5.7
PST-4SWTM	8.0	8.3	6.3	6.0	6.0	7.3	6.7	7.0	6.7	3.7	3.7	4.3	5.0	5.7
SHADOW IV (PST-4SHAD)	7.7	8.3	4.7	5.7	5.3	6.7	5.7	7.7	6.3	5.0	4.3	5.0	6.7	5.7
DLFPS-FRC-3105	8.0	8.7	4.3	4.7	5.3	7.0	7.3	7.7	5.7	5.7	3.7	4.3	5.3	5.5
PVF-MVP-2020	8.3	8.0	4.3	4.3	4.7	6.7	7.0	8.0	6.0	5.7	3.3	4.7	6.0	5.5
5Z2	8.0	8.0	4.7	5.0	5.3	7.7	8.0	8.0	7.0	4.3	2.3	3.3	4.0	5.4
DLF-FRR-3128	8.0	8.3	4.0	4.0	4.0	5.3	5.7	8.0	7.7	4.3	2.3	3.7	4.3	4.8
JAMESTOWN VII	8.3	8.3	5.3	5.0	5.0	5.3	5.7	5.0	6.0	4.0	3.0	4.3	6.0	4.8
PPG-FRC 127	7.7	8.3	4.0	4.0	4.3	5.7	6.0	7.0	6.0	3.7	3.3	4.7	4.7	4.8
PPG-FRC-130	8.0	8.0	3.7	3.7	4.3	5.7	6.0	7.7	5.0	4.3	2.7	3.3	4.3	4.6
BAR FRL 122	7.0	9.0	3.7	3.7	4.3	5.7	5.7	6.7	6.0	3.7	2.7	3.3	4.0	4.5
PPG-FL 128	7.7	9.0	4.3	4.0	4.7	5.0	5.3	6.7	5.3	4.0	3.0	2.7	3.7	4.4
BAR FRC 130	7.7	8.7	4.0	4.3	4.3	6.0	5.7	7.7	5.0	3.0	1.3	2.7	3.7	4.3
DLFPS-FL-3104	8.3	9.0	4.0	4.0	4.0	4.7	5.0	6.0	5.7	3.7	3.3	3.0	3.7	4.3
BAR FRC 123	7.7	7.7	3.3	3.3	3.7	5.0	5.0	7.0	6.0	3.3	2.0	3.0	4.0	4.2
RAD-FC59	8.3	8.3	3.3	3.7	3.7	5.3	5.0	5.3	5.0	3.3	2.7	3.0	3.3	4.0
DA5-RHF	8.0	8.7	3.3	3.3	3.3	3.7	3.7	4.3	5.7	4.3	3.3	4.3	4.0	3.9
RAD-FR64	8.3	7.0	3.7	3.7	3.7	5.0	4.7	6.0	5.7	3.7	2.0	2.3	2.7	3.9
BAR FO 131	8.3	8.0	3.3	3.3	3.7	4.7	4.3	5.0	4.7	3.7	2.3	3.0	3.7	3.8
SPHD-20	8.3	9.0	4.0	3.7	4.0	5.0	4.3	6.0	4.3	2.3	2.0	2.7	3.0	3.8
TENACIOUS (NAI-HTB2)	8.0	8.3	4.7	3.3	3.3	4.3	5.0	5.0	5.0	3.0	2.7	2.7	3.3	3.8
PVF-PDB-2020	8.0	9.0	3.3	3.3	3.3	4.3	3.7	4.7	5.0	3.0	2.0	2.7	3.0	3.5
BAR FT 135	8.0	9.0	3.0	3.0	3.3	4.0	3.7	4.0	4.0	2.7	2.7	3.0	4.3	3.4
BOREAL	8.0	6.7	3.3	3.3	3.3	4.3	4.0	4.7	5.0	2.3	1.3	2.0	3.3	3.4
RESOLUTE	8.7	9.0	2.7	3.0	2.7	3.7	3.7	4.0	4.3	2.7	2.0	2.0	3.0	3.1
SEABREEZE GT	8.0	8.7	3.3	3.0	3.3	4.0	3.3	4.7	5.0	1.7	1.0	2.0	2.7	3.1
SWORD II (NAI-HAQ1+2)	8.0	8.7	3.3	3.3	2.7	3.3	3.0	3.7	4.0	2.7	2.0	2.7	3.0	3.1
BAR FT 132	8.3	8.7	3.3	3.0	3.3	3.7	3.7	3.3	3.7	2.7	1.7	1.7	2.7	3.0
GLADIATOR	7.7	9.0	3.7	3.3	3.0	3.7	3.0	3.3	3.0	2.3	2.0	2.3	2.7	2.9
BLUE HORNET (PPG-FO-102)	8.3	9.0	2.7	3.3	3.0	3.3	2.3	3.3	3.3	1.7	1.0	1.3	2.3	2.5
QUATRO	8.3	8.3	3.0	3.0	2.7	3.3	2.7	2.7	1.7	1.3	1.0	1.3	2.3	2.3
LSD VALUE	1.0	0.9	1.6	1.5	1.8	1.7	1.9	1.7	2.0	1.6	1.4	1.4	2.0	1.2
C.V. (%)	5.4	6.2	22.5	21.3	24.2	18.4	21.0	17.4	21.1	25.0	30.4	24.2	27.1	16.0

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 FINELEAF FESCUE CULTIVARS IN THE
 (CONT'D) 2020 NATIONAL FINELEAF FESCUE TEST AT RALEIGH, NC 1/
 2022 DATA

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

NAME	SPRING DENSITY	PERCENT GROUND COVER			BROWN PATCH COUNT
		SPRING	SUMMER	FALL	
PPG-FRR 127	8.0	99.0	97.7	98.3	7.7
PVF-HSY+	8.0	99.0	97.0	97.7	7.0
5Z5	8.0	97.7	94.7	90.0	6.3
PPG-FRR 132	8.0	98.3	89.3	92.0	6.0
PPG-FRR-134	7.7	98.7	94.7	93.0	7.0
STB1	7.7	99.0	97.0	94.3	7.0
REV (BYE)	7.7	99.0	89.7	89.7	5.3
NAI-CHU1	8.3	99.0	90.7	97.7	6.0
COMPASS II	8.0	99.0	94.0	98.3	5.7
KEVIN	7.7	98.3	96.3	95.3	6.3
BRITTANY 2	8.3	98.3	82.3	90.3	4.3
CARDINAL II	7.7	97.3	92.3	89.7	5.0
FOXFIRE 2	7.3	91.3	94.0	89.7	6.0
PST-4SWTM	8.0	99.0	85.0	92.3	4.7
SHADOW IV (PST-4SHAD)	7.7	95.3	89.0	97.0	6.3
DLFPS-FRC-3105	8.0	98.7	90.7	95.0	4.7
PVF-MVP-2020	7.3	97.7	94.0	97.0	6.0
5Z2	7.7	98.3	81.7	83.3	4.3
DLF-FRR-3128	8.0	93.3	85.0	80.0	4.0
JAMESTOWN VII	8.0	82.7	82.3	90.7	5.7
PPG-FRC 127	8.0	87.7	80.0	90.7	3.7
PPG-FRC-130	8.0	90.7	83.3	85.0	4.3
BAR FRL 122	7.7	92.7	73.3	81.7	3.0
PPG-FL 128	8.0	89.7	83.3	71.7	3.3
BAR FRC 130	7.3	94.7	65.0	65.0	2.3
DLFPS-FL-3104	8.0	88.3	86.7	76.7	5.3
BAR FRC 123	7.3	91.3	71.7	76.7	3.3
RAD-FC59	7.7	73.0	73.3	70.0	3.0
DA5-RHF	7.7	75.0	83.3	85.0	4.3
RAD-FR64	7.3	78.3	78.3	56.7	3.3
BAR FO 131	6.7	81.7	76.7	75.0	3.3
SPHD-20	8.0	68.3	57.3	66.7	2.3
TENACIOUS (NAI-HTB2)	8.0	79.3	73.3	70.0	3.0
PVF-PDB-2020	8.0	70.0	71.7	65.0	3.0
BAR FT 135	7.3	63.3	75.0	80.0	3.7
BOREAL	6.7	66.3	56.7	66.7	1.7
RESOLUTE	8.0	71.3	65.0	54.3	2.7
SEABREEZE GT	7.7	63.3	50.0	48.3	1.7
SWORD II (NAI-HAQ1+2)	7.7	65.0	68.3	70.0	2.3
BAR FT 132	7.7	55.7	65.3	55.0	2.7
GLADIATOR	8.0	51.7	51.7	56.7	2.0
BLUE HORNET (PPG-FO-102)	8.0	38.3	38.3	25.0	1.3
QUATRO	7.7	26.7	20.7	31.7	1.3
LSD VALUE	1.0	27.4	19.7	18.6	2.4
C.V. (%)	5.8	19.3	15.8	15.1	34.5

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 16.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT NORTH BRUNSWICK, NJ 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SUMMER PATCH	APR	MAY	QUALITY RATINGS					MEAN
						JUN	JUL	AUG	SEP	OCT	
BRITTANY 2	4.0	7.3	8.3	7.0	7.3	6.3	5.0	6.3	7.7	7.0	6.7
PPG-FRC 127	4.3	4.3	7.3	6.0	7.7	7.0	4.3	5.7	8.3	8.0	6.7
DLFPS-FRC-3105	4.0	6.3	7.0	6.0	7.7	6.7	4.0	6.0	6.3	6.3	6.1
PPG-FRC-130	5.3	6.3	6.7	6.7	6.7	6.3	4.0	4.7	7.0	6.7	6.0
COMPASS II	5.0	5.7	7.7	5.7	6.7	5.3	3.3	5.0	6.3	6.7	5.6
PVF-MVP-2020	5.7	5.7	6.7	6.0	6.7	5.3	3.0	4.3	5.7	6.0	5.3
BAR FRC 130	2.0	8.3	6.7	7.0	6.0	4.7	2.0	4.7	6.0	5.3	5.1
NAI-CHU1	3.3	4.0	7.0	5.7	5.3	5.3	2.3	4.3	6.0	6.7	5.1
RAD-FC59	7.3	4.0	6.7	5.3	6.0	4.3	3.0	4.0	7.0	6.3	5.1
REV (BYE)	7.7	4.3	5.7	5.0	5.7	4.7	4.7	3.7	6.3	6.0	5.1
TENACIOUS (NAI-HTB2)	4.7	4.0	7.3	4.0	5.3	4.7	5.0	5.3	5.0	6.3	5.1
PPG-FRR 132	6.7	4.0	6.3	4.0	6.0	4.0	4.3	4.3	6.0	6.7	5.0
JAMESTOWN VII	4.7	5.7	8.0	5.7	5.0	4.0	3.0	5.0	6.0	5.7	4.9
STB1	6.3	4.7	6.0	4.3	5.0	5.3	4.0	4.0	5.3	6.0	4.9
BAR FRC 123	2.0	7.7	6.7	6.0	5.0	3.3	2.0	4.7	6.7	5.7	4.8
BLUE HORNET (PPG-FO-102)	6.3	5.0	6.7	3.7	5.0	4.0	5.0	4.7	5.0	5.7	4.7
PVF-PDB-2020	5.7	3.0	5.0	4.0	5.7	4.0	4.0	4.0	4.3	5.7	4.5
BAR FT 132	4.3	4.7	6.3	3.7	5.0	3.7	4.3	4.7	4.3	5.3	4.4
BAR FT 135	4.7	4.3	6.3	4.0	4.3	4.0	4.3	3.3	5.0	5.7	4.4
FOXFIRE 2	7.0	5.0	5.7	4.7	4.7	4.7	3.0	3.3	5.3	5.3	4.4
PVF-HSY+	7.0	4.0	4.3	4.0	4.7	4.3	3.0	2.7	5.7	6.3	4.4
BAR FO 131	7.0	4.3	6.0	3.7	5.7	4.7	2.3	3.7	5.0	5.0	4.3
PPG-FRR 127	7.7	3.3	4.0	4.0	5.0	4.3	3.7	3.0	4.7	5.7	4.3
SWORD II (NAI-HAQ1+2)	6.3	2.3	6.0	3.3	4.7	4.3	4.3	4.0	4.3	5.0	4.3
BAR FRL 122	1.7	8.0	4.7	5.7	4.7	3.7	2.0	3.0	4.7	6.0	4.2
DA5-RHF	5.0	4.0	4.7	4.0	5.0	4.0	2.7	3.3	5.7	5.0	4.2
PPG-FL 128	3.3	3.7	5.0	4.0	5.3	3.3	3.7	3.3	5.0	4.7	4.2
PST-4SWTM	4.7	5.7	3.3	5.3	5.7	4.7	2.3	2.7	4.0	4.7	4.2
SPHD-20	6.0	2.7	6.0	4.3	4.3	3.7	4.0	4.0	4.3	4.7	4.2
5Z5	7.7	3.0	3.7	3.7	4.3	3.7	3.0	2.3	4.7	5.0	3.8
5Z2	7.0	3.3	3.3	4.0	4.0	3.7	2.7	2.3	4.0	5.0	3.7
SHADOW IV (PST-4SHAD)	1.7	6.7	4.0	5.3	4.3	3.0	1.3	3.0	4.0	5.0	3.7
DLF-FRR-3128	7.7	2.7	3.0	4.0	4.7	3.0	2.3	2.0	4.0	5.0	3.6
PPG-FRR-134	6.7	2.7	4.0	3.7	3.0	3.3	2.3	3.0	5.0	5.0	3.6
QUATRO	6.3	4.3	5.7	3.0	3.0	3.0	3.3	3.3	3.7	5.0	3.5
CARDINAL II	6.0	4.7	3.7	3.7	3.3	2.7	1.7	2.0	5.0	5.7	3.4
DLFPS-FL-3104	4.7	1.0	4.3	3.3	3.7	3.0	3.0	3.3	3.3	4.3	3.4
GLADIATOR	4.7	2.7	3.7	3.0	4.0	3.0	2.7	2.7	3.7	4.3	3.3
KEVIN	6.3	3.0	3.3	3.7	3.3	2.7	2.0	2.0	4.7	5.0	3.3
RESOLUTE	5.0	3.3	4.0	3.0	4.3	3.0	2.3	3.0	3.3	4.0	3.3
RAD-FR64	7.7	4.7	3.0	4.7	3.7	2.3	1.7	2.0	4.0	4.0	3.2
BOREAL	3.0	3.7	2.7	3.3	3.0	2.0	1.3	1.7	2.7	3.0	2.4
SEABREEZE GT	1.7	6.7	1.0	4.0	3.0	3.7	1.3	1.0	1.7	2.3	2.4
LSD VALUE	1.4	1.6	2.5	1.3	1.5	1.7	2.6	1.8	1.7	1.5	1.1
C.V. (%)	17.7	22.7	28.0	17.6	19.3	24.3	40.9	29.1	21.0	16.7	15.4

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 ADELPHIA, NJ 1/
2022 DATA

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

NAME	QUALITY RATINGS												MEAN
	FALL DENSITY	PERCENT COVER	GROUND FALL	LEAF SPOT	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
TENACIOUS (NAI-HTB2)	8.7	98.3	9.0	4.3	5.7	8.7	7.0	7.3	8.0	8.3	8.7	7.3	
PPG-FL 128	8.0	97.0	8.7	4.0	5.7	8.3	6.0	8.0	7.7	8.3	7.7	7.0	
DLFPS-FL-3104	8.7	98.3	8.7	3.3	4.7	7.3	7.3	7.3	7.7	8.0	7.3	6.6	
PVF-PDB-2020	7.7	97.0	9.0	2.3	5.0	7.3	6.3	7.3	7.3	7.7	7.7	6.4	
SWORD II (NAI-HAQ1+2)	8.0	97.0	8.3	4.0	3.7	7.3	6.0	7.3	7.7	8.0	7.3	6.4	
BAR FT 135	8.3	97.0	6.3	5.0	4.7	5.3	6.0	6.3	7.3	8.0	7.7	6.3	
DA5-RHF	7.3	97.0	8.0	4.3	4.0	6.7	6.0	6.3	7.0	7.3	7.0	6.1	
BAR FT 132	8.3	97.0	7.0	3.7	4.7	6.3	5.0	7.0	6.3	7.3	7.7	6.0	
RESOLUTE	8.0	95.3	8.3	3.7	4.0	6.7	5.7	6.7	6.7	8.0	7.0	6.0	
BLUE HORNET (PPG-FO-102)	8.0	97.3	6.3	5.0	5.3	5.0	5.3	5.7	5.7	7.0	6.0	5.6	
SPHD-20	7.3	97.0	6.7	2.0	3.3	6.0	6.0	7.3	6.3	7.0	7.0	5.6	
PPG-FRR-134	5.7	88.3	5.0	7.0	6.3	3.3	4.7	5.0	5.7	6.0	5.0	5.4	
PPG-FRR 127	7.0	95.0	5.7	5.3	6.0	4.0	4.3	5.0	5.3	7.0	5.3	5.3	
BRITTANY 2	6.7	93.7	8.7	6.0	6.0	6.7	4.3	3.3	4.0	5.7	5.3	5.2	
JAMESTOWN VII	7.7	95.0	7.0	6.0	6.7	4.7	3.7	3.0	5.0	6.0	6.3	5.2	
NAI-CHU1	7.3	95.0	5.7	4.3	6.0	4.3	3.7	5.0	5.3	7.0	5.7	5.2	
PVF-MVP-2020	6.7	94.3	6.0	6.0	6.0	5.0	4.0	3.7	4.3	6.0	6.3	5.2	
PPG-FRC-130	7.0	91.7	7.7	6.3	6.7	6.0	4.0	3.3	4.3	5.3	5.0	5.1	
DLFPS-FRC-3105	6.0	93.3	4.7	5.3	5.7	5.0	3.0	3.7	5.3	6.0	5.7	5.0	
GLADIATOR	7.0	91.7	8.0	2.3	3.3	5.0	5.0	5.0	5.7	6.3	7.0	5.0	
PPG-FRR 132	6.7	91.7	4.7	5.0	5.7	4.3	4.0	5.0	5.3	6.0	5.0	5.0	
QUATRO	7.3	95.0	6.0	4.0	5.0	5.0	4.0	4.7	4.7	6.0	6.0	4.9	
CARDINAL II	6.0	91.7	5.0	5.7	6.3	3.7	3.3	3.7	4.3	6.0	5.3	4.8	
PVF-HSY+	6.3	88.3	5.7	5.0	5.0	4.0	4.0	4.0	5.0	6.3	5.3	4.8	
REV (BYE)	5.7	91.7	4.7	6.7	5.0	3.7	4.0	3.7	4.3	5.3	5.3	4.8	
STB1	6.0	91.7	5.7	6.0	5.3	4.0	4.0	4.3	4.3	5.0	5.7	4.8	
PST-4SWTM	5.0	88.3	6.0	5.3	4.7	4.3	4.0	4.3	4.0	5.3	5.3	4.7	
SEABREEZE GT	6.0	91.7	5.3	4.0	5.0	3.3	3.7	4.3	5.0	6.7	5.3	4.7	
BAR FRC 130	5.7	93.3	4.0	5.0	4.7	3.3	3.0	4.0	5.3	6.0	5.7	4.6	
BAR FRL 122	6.3	90.0	5.7	4.0	4.0	4.0	3.3	4.0	5.0	6.0	5.3	4.5	
RAD-FC59	5.0	93.3	6.0	5.3	4.7	5.0	3.7	2.7	4.3	5.7	4.7	4.5	
SHADOW IV (PST-4SHAD)	5.7	90.0	7.3	4.7	5.0	4.3	4.0	3.3	4.3	5.0	5.0	4.5	
PPG-FRC 127	6.3	91.3	5.3	4.3	5.3	4.3	3.0	4.0	4.3	5.7	4.3	4.4	
COMPASS II	6.7	90.0	5.3	5.7	4.3	3.7	3.3	3.3	4.3	5.0	4.7	4.3	
FOXFIRE 2	5.7	88.3	3.0	6.0	4.3	2.3	3.0	3.0	5.3	5.3	4.3	4.2	
5Z2	5.7	86.7	4.7	4.0	4.3	3.3	3.3	3.0	4.0	4.7	4.3	3.9	
BAR FO 131	4.7	88.3	6.7	4.7	4.0	3.7	3.3	2.3	4.0	4.3	4.7	3.9	
DLF-FRR-3128	5.0	88.3	5.0	4.0	3.7	3.0	3.0	4.0	4.0	5.0	4.3	3.9	
5Z5	6.0	87.7	3.3	4.7	5.0	2.7	2.7	3.0	4.0	4.7	4.0	3.8	
BAR FRC 123	5.7	85.0	5.3	3.3	4.0	2.7	3.0	3.0	4.0	4.3	4.3	3.6	
RAD-FR64	6.0	91.7	1.3	4.0	4.7	1.7	2.0	2.3	4.0	5.3	5.0	3.6	
KEVIN	5.3	88.3	4.0	3.0	4.3	2.7	2.7	3.0	3.0	4.0	4.7	3.4	
BOREAL	4.3	86.7	1.7	2.7	2.7	1.3	2.0	2.3	3.0	3.3	3.7	2.6	
LSD VALUE	2.3	10.6	2.0	2.5	3.7	2.0	1.4	1.7	2.1	2.0	2.2	1.7	
C.V. (%)	18.6	5.1	21.8	28.8	28.0	27.2	21.8	23.6	23.8	19.2	21.4	19.1	

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 18.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT QUEBEC CITY (CANADA), QE 1/
2022 DATA

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

NAME	QUALITY RATINGS											MEAN
	GENETIC COLOR	SPRING GREENUP	FALL DENSITY	PERCENT GROUND COVER	SUMMER	MAY	JUN	JUL	AUG	SEP	OCT	
SWORD II (NAI-HAQ1+2)	5.7	5.3	6.7	83.3	5.7	6.7	6.3	6.7	7.0	6.7	6.5	
BLUE HORNET (PPG-FO-102)	5.7	5.3	6.7	81.7	5.3	6.3	6.3	6.7	6.7	6.0	6.2	
RESOLUTE	6.7	5.3	6.3	83.3	4.7	6.3	7.0	6.7	6.3	6.0	6.2	
DA5-RHF	6.0	5.7	7.0	78.3	5.0	6.3	6.3	6.0	6.7	6.3	6.1	
PPG-FL 128	5.3	5.0	7.0	83.3	5.7	6.0	6.0	6.0	6.7	6.0	6.1	
TENACIOUS (NAI-HTB2)	6.0	5.3	7.0	78.3	5.0	5.7	6.3	6.3	6.7	6.3	6.1	
BAR FT 132	6.0	5.3	6.7	81.7	5.0	5.7	6.3	6.3	6.7	6.0	6.0	
BAR FT 135	5.3	6.0	7.0	75.0	5.3	5.3	6.0	6.0	6.7	6.0	5.9	
PVF-PDB-2020	5.0	4.7	7.0	80.0	5.0	6.0	6.0	6.0	6.7	5.7	5.9	
QUATRO	5.3	5.0	6.7	76.7	5.0	5.7	6.0	6.0	7.0	6.0	5.9	
DLFPS-FL-3104	6.0	4.7	6.0	75.0	5.0	6.0	6.0	6.3	5.7	5.7	5.8	
GLADIATOR	5.3	5.0	7.0	80.0	4.7	5.7	6.0	5.7	6.7	5.7	5.7	
SPHD-20	5.7	5.0	6.3	78.3	4.7	5.7	6.3	6.0	6.0	5.7	5.7	
BAR FRC 130	4.7	5.0	7.0	75.0	5.0	5.0	5.3	5.7	6.3	5.0	5.4	
BAR FRL 122	5.0	5.0	7.0	66.7	5.0	5.3	5.0	5.3	6.0	5.7	5.4	
PST-4SWTM	5.3	4.3	6.0	68.3	4.7	5.3	5.3	5.0	6.0	5.3	5.3	
SHADOW IV (PST-4SHAD)	4.7	5.0	6.3	65.0	5.3	5.0	5.3	5.3	5.7	5.0	5.3	
BAR FRC 123	4.7	4.3	6.7	73.3	5.0	4.7	5.7	5.7	5.3	5.0	5.2	
BRITTANY 2	5.0	4.3	7.0	68.3	4.3	5.7	5.0	5.0	6.0	5.0	5.2	
JAMESTOWN VII	4.7	4.0	6.3	65.0	5.3	5.7	4.7	5.0	5.7	4.7	5.2	
NAI-CHU1	5.0	4.3	6.7	60.0	5.0	4.7	4.7	5.3	6.0	5.3	5.2	
PPG-FRC-130	5.7	4.0	6.3	65.0	4.7	5.3	5.3	5.3	6.0	4.7	5.2	
PPG-FRR-134	5.0	3.7	6.3	71.7	5.0	5.0	5.3	5.3	5.7	5.0	5.2	
PVF-HSY+	6.0	5.0	6.3	66.7	4.7	4.3	5.3	5.3	6.0	5.3	5.2	
RAD-FC59	5.7	3.7	6.3	61.7	5.0	5.0	4.7	5.3	5.7	5.3	5.2	
5Z5	6.0	4.0	5.7	63.3	4.0	4.7	5.3	5.3	5.7	5.3	5.1	
COMPASS II	5.0	4.0	6.0	65.0	4.7	4.7	4.7	5.3	6.0	5.0	5.1	
PVF-MVP-2020	5.7	4.7	6.7	66.7	4.3	5.0	5.3	5.3	5.7	5.0	5.1	
SEABREEZE GT	4.7	4.3	5.7	68.3	5.0	4.3	5.0	5.0	5.7	5.3	5.1	
CARDINAL II	6.0	4.7	6.3	60.0	4.7	4.7	5.3	5.0	5.7	4.7	5.0	
DLF-FRR-3128	6.0	3.7	6.0	63.3	4.7	4.7	5.0	5.7	5.3	4.7	5.0	
DLFPS-FRC-3105	4.7	4.0	6.0	68.3	4.7	5.0	4.7	5.0	5.7	5.0	5.0	
5Z2	5.7	4.0	5.7	55.0	4.3	4.3	4.7	5.7	5.7	5.0	4.9	
FOXFIRE 2	6.0	4.7	6.0	65.0	4.3	4.3	5.3	5.3	5.3	5.0	4.9	
KEVIN	5.7	4.3	6.3	60.0	4.7	4.3	5.0	5.0	5.7	5.0	4.9	
PPG-FRC 127	4.7	3.7	6.7	58.3	4.3	4.7	4.7	5.3	5.7	4.7	4.9	
PPG-FRR 127	5.7	4.3	5.7	63.3	4.3	4.0	5.3	5.0	6.0	5.0	4.9	
PPG-FRR 132	6.0	4.7	6.3	63.3	4.7	4.7	5.0	5.0	5.7	4.3	4.9	
REV (BYE)	5.7	3.7	6.0	61.7	4.7	4.7	5.0	5.3	5.3	4.7	4.9	
STB1	4.7	4.7	6.0	60.0	4.3	4.7	4.7	5.0	5.7	5.3	4.9	
RAD-FR64	6.3	4.0	6.0	61.7	4.0	4.0	5.3	5.0	5.3	4.3	4.7	
BAR FO 131	4.3	3.7	6.0	60.0	4.3	5.0	4.3	5.0	5.0	4.0	4.6	
BOREAL	5.3	3.7	5.3	61.7	4.7	4.0	4.7	5.0	5.0	4.0	4.6	
LSD VALUE	1.5	2.0	1.1	10.5	1.3	0.9	1.1	0.9	1.0	1.1	0.6	
C.V. (%)	12.7	18.3	8.3	9.4	11.0	10.9	11.7	9.5	9.4	11.7	6.7	

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

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

TABLE 19. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT LOGAN, UT 1/
2022 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS							
		APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PVF-PDB-2020	7.7	8.0	7.3	7.3	7.7	7.7	8.0	8.0	7.7
SWORD II (NAI-HAQ1+2)	7.7	8.0	7.0	7.7	7.3	7.3	8.3	7.3	7.6
DLFPS-FL-3104	7.7	6.7	7.0	8.0	8.3	7.0	7.3	7.7	7.4
GLADIATOR	7.3	7.0	6.3	7.0	8.0	7.0	7.0	6.3	7.0
PPG-FL 128	7.0	7.0	7.0	6.7	6.7	6.7	7.7	7.3	7.0
RESOLUTE	8.0	6.7	7.0	7.3	7.3	7.0	7.0	7.0	7.0
RAD-FC59	8.0	8.3	7.3	6.3	4.7	6.0	7.3	8.3	6.9
DA5-RHF	7.7	6.7	6.3	7.3	6.7	6.3	7.3	7.0	6.8
PPG-FRC-130	6.3	7.7	8.0	5.7	5.7	5.7	8.0	6.7	6.8
PPG-FRR 127	8.7	5.7	7.7	7.3	7.0	6.0	7.3	6.0	6.7
SPHD-20	8.0	6.3	6.7	7.0	7.7	7.0	6.3	6.0	6.7
TENACIOUS (NAI-HTB2)	7.3	6.7	6.7	6.7	7.0	6.3	6.0	7.0	6.6
REV (BYE)	8.0	3.7	8.0	8.3	6.3	6.0	7.3	5.7	6.5
5Z2	7.7	4.3	7.3	8.0	6.3	5.3	7.3	6.3	6.4
5Z5	8.3	5.3	7.3	8.0	5.3	5.3	6.7	6.3	6.3
CARDINAL II	8.0	7.0	6.7	6.3	6.3	5.3	6.7	5.0	6.2
PVF-HSY+	7.3	3.7	8.3	6.7	5.7	5.0	7.3	7.0	6.2
PVF-MVP-2020	6.0	6.3	7.3	5.3	5.3	5.0	7.7	6.3	6.2
BAR FT 135	7.0	7.0	5.0	6.0	6.3	6.0	6.3	6.0	6.1
COMPASS II	6.0	6.3	6.7	5.3	4.7	5.3	8.0	6.7	6.1
PPG-FRC 127	5.7	4.0	7.3	5.7	5.7	6.0	8.3	6.0	6.1
BAR FT 132	6.3	6.0	5.3	5.7	6.0	6.0	6.7	6.0	6.0
BRITTANY 2	6.3	7.0	6.3	5.3	4.0	5.0	7.0	7.0	6.0
DLFPS-FRC-3105	5.7	7.0	6.7	5.7	4.7	4.3	7.0	6.3	6.0
PPG-FRR 132	7.0	5.7	7.0	7.0	6.3	4.7	6.0	5.3	6.0
PPG-FRR-134	7.7	3.7	7.3	7.3	6.3	5.3	6.3	5.3	6.0
FOXFIRE 2	7.3	6.7	6.7	7.0	4.0	5.0	6.0	6.0	5.9
BAR FO 131	7.0	4.7	7.7	6.0	4.0	5.0	7.0	6.3	5.8
DLF-FRR-3128	7.0	4.7	6.7	7.7	4.7	5.0	6.3	5.3	5.8
KEVIN	6.3	6.3	6.7	6.0	4.7	4.7	6.3	5.7	5.8
RAD-FR64	8.0	5.3	7.3	7.3	5.0	5.0	5.7	5.0	5.8
BLUE HORNET (PPG-FO-102)	6.3	8.0	5.0	5.0	6.7	5.3	4.7	5.0	5.7
JAMESTOWN VII	6.3	6.3	6.0	5.0	4.3	4.7	7.3	6.3	5.7
NAI-CHU1	5.3	5.0	6.7	5.0	5.3	5.3	7.0	5.7	5.7
QUATRO	7.0	7.0	5.0	6.0	6.3	5.3	5.0	5.0	5.7
SHADOW IV (PST-4SHAD)	5.0	7.3	5.7	5.0	4.3	4.7	6.7	6.3	5.7
PST-4SWTM	4.7	6.3	6.0	4.7	5.3	4.7	6.3	6.0	5.6
STB1	7.0	6.0	6.7	6.0	5.0	4.0	6.3	5.0	5.6
BAR FRC 123	5.0	6.7	5.7	4.7	4.3	4.3	7.3	5.7	5.5
BAR FRL 122	5.3	5.3	5.7	5.0	4.3	5.7	6.7	5.3	5.4
BAR FRC 130	4.7	6.0	5.7	4.7	4.3	5.0	6.7	5.0	5.3
SEABREEZE GT	4.7	5.0	4.3	4.3	5.3	5.7	5.7	4.7	5.0
BOREAL	4.0	4.7	5.3	3.7	3.7	4.0	4.7	3.3	4.2
LSD VALUE	1.0	1.6	1.4	1.2	1.2	0.9	1.2	1.3	0.5
C.V. (%)	10.2	16.3	12.3	12.7	14.0	10.5	10.9	13.1	5.9

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

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

TABLE 20. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT BLACKSBURG, VA 1/
2022 DATA

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

NAME	PERCENT GROUND COVER SPRING	RED THREAD	QUALITY RATINGS							
			APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PVF-PDB-2020	99.0	9.0	7.7	9.0	9.0	8.3	8.0	8.3	8.3	8.4
RESOLUTE	99.0	9.0	8.0	9.0	9.0	9.0	7.7	7.3	8.7	8.4
SWORD II (NAI-HAQ1+2)	99.0	9.0	8.3	9.0	9.0	8.7	7.7	7.7	8.3	8.4
PPG-FL 128	99.0	9.0	8.7	9.0	8.0	8.7	8.0	7.7	8.3	8.3
GLADIATOR	99.0	9.0	7.7	8.7	8.7	7.7	7.7	7.7	7.7	8.0
TENACIOUS (NAI-HTB2)	99.0	9.0	8.0	9.0	8.3	8.3	7.3	7.7	7.7	8.0
DA5-RHF	92.7	8.7	8.0	8.7	8.7	8.3	6.7	7.3	7.0	7.8
DLFPS-FL-3104	99.0	8.7	7.0	8.3	8.7	8.7	6.7	7.0	8.3	7.8
BAR FT 132	99.0	8.7	7.0	9.0	8.0	8.0	6.7	7.0	7.7	7.6
NAI-CHU1	99.0	8.0	8.0	7.3	6.3	7.7	8.0	7.7	8.0	7.6
PPG-FRR 127	91.0	7.7	8.0	7.3	7.0	8.0	8.3	7.0	7.7	7.6
PPG-FRC 127	99.0	8.7	8.0	8.0	6.3	7.3	8.0	7.0	8.0	7.5
PVF-MVP-2020	99.0	8.0	7.7	8.0	7.3	7.7	6.7	8.0	7.0	7.5
SPHD-20	81.3	9.0	7.0	8.3	7.7	8.0	7.3	7.0	7.0	7.5
5Z5	99.0	7.7	8.3	7.3	7.0	7.3	7.3	7.7	7.0	7.4
BAR FT 135	99.0	9.0	7.7	8.3	7.0	7.3	6.3	7.0	8.0	7.4
DLFPS-FRC-3105	99.0	9.0	8.3	8.3	6.7	6.3	7.3	6.7	7.3	7.3
PPG-FRC-130	99.0	8.0	7.3	7.7	6.0	7.0	7.3	8.3	7.7	7.3
PVF-HSY+	99.0	7.7	7.7	7.3	7.7	6.7	7.3	7.7	7.0	7.3
REV (BYE)	99.0	7.3	7.7	7.7	6.0	7.0	7.7	8.0	7.0	7.3
PPG-FRR 132	96.0	8.3	7.7	7.7	7.0	6.3	7.3	7.0	7.7	7.2
BRITANY 2	99.0	8.0	7.3	8.0	7.3	7.0	7.3	6.0	7.0	7.1
COMPASS II	99.0	8.3	8.3	8.0	6.3	5.7	7.3	6.7	7.7	7.1
JAMESTOWN VII	99.0	8.3	7.3	8.0	6.3	7.3	6.7	6.7	7.7	7.1
PPG-FRR-134	99.0	7.3	8.0	7.3	6.7	6.0	8.0	6.7	7.3	7.1
RAD-FC59	91.0	8.3	7.0	7.3	6.0	7.7	6.7	6.3	6.3	6.8
SHADOW IV (PST-4SHAD)	99.0	6.0	7.7	5.3	6.3	6.0	7.7	7.0	7.3	6.8
5Z2	99.0	6.7	6.7	5.7	6.0	6.3	7.7	7.7	6.7	6.7
BAR FRL 122	99.0	8.0	6.7	7.0	5.7	7.3	6.7	5.7	6.0	6.4
STB1	99.0	7.3	6.7	7.0	5.7	6.0	6.7	6.0	7.0	6.4
BAR FRC 130	99.0	8.0	7.7	6.3	5.3	7.3	5.3	5.3	5.7	6.1
PST-4SWTM	99.0	7.0	7.3	6.3	6.0	6.7	5.7	5.7	5.3	6.1
DLF-FRR-3128	99.0	6.3	6.3	6.3	5.3	5.0	6.3	6.0	6.7	6.0
QUATRO	99.0	8.7	6.0	6.7	6.0	7.3	5.0	5.0	5.7	6.0
BAR FRC 123	99.0	8.3	7.3	6.3	6.3	6.0	4.7	5.0	5.7	5.9
CARDINAL II	99.0	4.7	7.3	4.7	4.7	4.7	6.3	6.3	6.3	5.8
BLUE HORNET (PPG-FO-102)	86.0	8.0	7.0	6.0	6.3	6.0	5.0	4.3	5.0	5.7
FOXFIRE 2	86.0	5.7	6.7	5.7	5.3	5.0	5.3	6.3	5.7	5.7
RAD-FR64	99.0	3.0	6.0	4.3	5.0	5.0	6.3	6.3	6.0	5.6
BAR FO 131	99.0	7.7	5.7	5.3	6.3	6.3	5.0	4.7	5.0	5.5
KEVIN	99.0	5.7	7.0	5.7	5.0	4.3	5.0	5.0	6.3	5.5
SEABREEZE GT	99.0	5.0	6.0	5.0	5.0	5.3	5.0	5.0	5.7	5.3
BOREAL	99.0	5.3	5.7	6.0	5.0	4.7	4.7	5.0	5.3	5.2
LSD VALUE	18.0	1.2	3.1	1.4	1.2	1.2	1.2	1.4	1.4	0.7
C.V. (%)	6.4	10.3	15.2	12.5	11.2	11.1	11.2	12.6	12.0	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 21.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE
2020 NATIONAL FINELEAF FESCUE TEST AT PULLMAN, WA 1/
2022 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL DENSITY	PERCENT GROUND COVER	QUALITY RATINGS							
					FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT
PPG-FRC 127	5.3	3.7	7.3	97.7	5.7	6.7	7.7	6.7	6.7	6.7	7.3	6.8
PVF-MVP-2020	5.0	3.7	7.0	97.7	5.3	6.3	7.7	6.3	7.0	7.0	7.0	6.7
COMPASS II	5.0	4.0	6.3	97.3	5.3	6.0	7.0	6.0	6.0	6.0	6.7	6.1
TENACIOUS (NAI-HTB2)	5.3	3.3	6.3	97.3	5.0	6.0	6.0	5.7	6.3	6.3	6.0	5.9
BAR FRC 123	5.0	4.7	5.7	94.7	4.7	5.7	6.7	6.0	5.7	5.7	5.7	5.7
BAR FRC 130	5.0	4.7	5.3	95.0	5.0	5.7	6.3	5.3	5.7	5.3	6.3	5.7
PPG-FL 128	5.0	3.0	5.7	95.3	4.7	5.3	5.7	5.7	6.3	6.3	5.7	5.7
BRITTANY 2	5.0	4.3	5.0	95.3	5.3	5.7	6.3	5.3	5.3	5.3	5.7	5.6
NAI-CHU1	5.0	3.0	6.0	91.0	5.0	5.7	5.7	5.3	5.7	5.7	6.0	5.6
PPG-FRC-130	5.3	3.0	5.3	96.0	4.7	5.3	6.3	5.3	5.7	5.3	6.0	5.5
PPG-FRR-134	5.7	3.3	5.3	97.0	4.7	5.3	5.3	5.0	5.7	6.0	6.3	5.5
DLFPS-FRC-3105	5.3	3.7	6.0	92.7	4.7	5.3	6.3	5.3	5.3	5.3	5.7	5.4
SEABREEZE GT	4.7	4.0	5.3	95.0	5.0	5.3	5.7	5.0	5.3	5.7	6.0	5.4
DA5-RHF	5.0	3.0	5.3	93.3	4.7	5.0	5.3	5.3	6.0	5.3	5.7	5.3
JAMESTOWN VII	5.3	4.3	5.0	93.3	5.0	5.7	5.7	5.3	5.3	5.0	5.3	5.3
PPG-FRR 132	5.3	3.3	5.3	91.0	5.0	5.7	5.3	5.0	5.3	5.0	5.3	5.2
5Z2	6.3	5.0	5.0	93.3	5.0	5.7	5.7	5.0	5.0	4.7	5.0	5.1
BLUE HORNET (PPG-FO-102)	5.3	4.0	5.0	96.3	4.7	5.3	5.3	5.0	5.3	5.3	5.0	5.1
PST-4SWTM	5.0	3.3	5.3	95.0	5.3	5.0	5.3	5.0	5.0	5.0	5.3	5.1
BAR FT 135	5.0	4.0	5.3	93.3	5.0	5.3	5.0	4.7	5.0	5.3	5.0	5.0
RAD-FC59	6.3	5.0	5.0	91.3	5.0	5.0	5.7	4.3	4.3	5.0	5.3	5.0
PPG-FRR 127	5.7	3.3	5.0	86.7	5.0	5.0	5.3	4.7	4.3	4.7	4.7	4.8
PVF-PDB-2020	5.3	3.0	5.3	88.3	4.0	5.0	5.3	4.7	4.7	5.0	4.7	4.8
DLFPS-FL-3104	4.3	3.3	5.0	91.7	4.7	4.7	4.7	4.3	4.7	5.0	4.7	4.7
BAR FRL 122	4.3	4.3	4.3	83.3	4.3	5.0	5.0	4.3	4.7	4.3	4.3	4.6
FOXFIRE 2	5.3	3.7	4.3	85.0	4.7	5.3	5.0	4.3	3.7	4.0	4.3	4.5
KEVIN	4.7	4.0	3.7	86.7	5.7	5.7	4.7	4.0	3.7	3.7	4.3	4.5
BAR FT 132	4.0	3.3	4.7	91.3	4.0	4.3	4.3	4.7	4.7	4.7	4.3	4.4
GLADIATOR	5.0	3.3	5.0	85.7	3.3	3.7	5.0	4.3	5.0	5.0	4.7	4.4
PVF-HSY+	5.3	4.0	4.3	88.3	3.7	4.7	5.0	4.3	4.3	4.3	4.7	4.4
BAR FO 131	5.0	4.0	4.3	88.3	3.7	4.0	5.3	4.3	4.3	4.3	4.3	4.3
CARDINAL II	5.7	3.3	4.3	88.3	4.0	4.3	5.0	4.3	4.0	4.0	4.7	4.3
RESOLUTE	5.7	3.0	5.0	90.0	3.3	3.3	4.7	4.3	5.0	5.0	4.3	4.3
REV (BYE)	5.7	3.0	4.3	88.3	4.0	4.3	5.0	4.0	4.0	4.3	4.7	4.3
STB1	4.3	4.3	4.0	88.3	4.7	4.3	4.7	4.0	3.7	4.0	4.3	4.2
5Z5	6.0	3.3	4.3	78.3	4.0	4.3	4.7	4.0	4.0	4.0	4.0	4.1
BOREAL	4.0	3.0	4.3	86.7	4.0	4.7	5.0	3.3	3.7	3.7	4.3	4.1
QUATRO	5.7	3.7	4.3	86.7	3.7	3.7	4.3	4.0	4.3	4.7	4.3	4.1
SPHD-20	4.3	2.3	4.3	80.7	3.7	3.7	4.7	4.3	4.0	4.3	4.0	4.1
SWORD II (NAI-HAQ1+2)	5.0	2.3	4.3	83.3	3.0	3.7	4.7	3.3	4.0	4.7	4.3	4.0
DLF-FRR-3128	5.7	3.7	3.7	78.3	3.7	4.3	4.7	3.7	3.3	3.7	3.7	3.9
SHADOW IV (PST-4SHAD)	4.0	4.0	3.7	85.0	3.0	3.7	4.3	3.3	3.7	4.0	3.7	3.7
RAD-FR64	5.0	3.7	3.3	81.7	3.3	4.0	4.3	3.0	3.0	3.3	3.7	3.5
LSD VALUE	1.2	2.5	1.5	13.0	1.8	1.8	1.1	1.4	1.3	1.4	1.5	1.1
C.V. (%)	12.2	25.3	17.3	7.1	19.3	18.6	12.4	16.8	16.2	16.0	17.3	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 22. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF FINELEAF FESCUE CULTIVARS IN THE 2020 NATIONAL FINELEAF FESCUE TEST AT MADISON, WI 1/ 2022 DATA

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

NAME	QUALITY RATINGS										
	SPRING GREENUP	FALL DENSITY	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PVF-PDB-2020	4.0	6.3	4.0	4.7	7.3	5.7	7.0	7.0	7.7	7.3	6.3
DA5-RHF	3.7	6.7	4.3	4.7	7.7	5.3	7.3	6.7	7.0	6.7	6.2
SPHD-20	3.7	6.7	4.0	4.0	7.0	6.7	7.0	6.7	7.3	6.7	6.2
TENACIOUS (NAI-HTB2)	3.3	6.3	4.0	4.0	6.7	6.0	7.0	7.0	7.7	7.3	6.2
BAR FT 132	3.3	6.3	3.7	4.3	7.0	5.7	7.0	6.7	7.7	7.0	6.1
PPG-FRC-130	3.3	6.7	3.0	5.3	6.7	5.7	7.0	6.7	7.3	7.0	6.1
5Z5	2.7	6.3	3.3	4.7	7.0	6.3	6.7	6.3	7.0	6.7	6.0
COMPASS II	2.3	6.3	3.0	4.7	7.7	5.3	6.7	6.3	7.3	7.3	6.0
DLFPS-FL-3104	4.0	6.7	3.3	4.0	7.0	6.3	7.0	6.3	7.0	6.7	6.0
GLADIATOR	3.7	6.7	3.7	4.3	7.7	5.7	7.0	6.0	6.7	7.0	6.0
SWORD II (NAI-HAQ1+2)	3.7	7.0	3.7	4.0	7.0	6.7	6.3	6.3	7.3	7.0	6.0
5Z2	2.7	6.0	3.0	4.3	7.0	5.7	7.0	6.3	7.0	6.7	5.9
BAR FT 135	3.3	5.7	4.3	4.7	7.0	5.7	6.3	5.7	6.7	7.0	5.9
BRITTANY 2	2.7	6.7	3.0	4.7	7.0	6.0	6.0	6.3	7.3	7.0	5.9
PPG-FRR 127	2.7	6.3	2.7	4.7	6.7	5.7	6.7	6.7	7.7	6.7	5.9
KEVIN	2.3	6.3	3.3	4.7	7.0	5.3	6.0	6.3	7.0	6.7	5.8
PPG-FL 128	3.3	6.7	3.7	4.0	6.7	5.7	6.3	6.0	6.7	7.0	5.8
RESOLUTE	3.3	6.7	4.0	4.3	6.7	6.0	6.0	5.7	7.0	6.3	5.8
BAR FRC 123	3.3	5.7	3.3	4.7	7.3	5.7	5.7	5.7	6.3	7.0	5.7
BAR FRL 122	2.3	6.3	3.0	5.0	7.0	5.3	5.7	5.7	7.0	7.0	5.7
CARDINAL II	2.7	6.0	3.3	4.3	6.0	6.3	5.7	6.0	6.7	7.0	5.7
PPG-FRR 132	2.7	6.0	3.3	4.3	7.0	6.0	6.7	5.3	6.3	6.3	5.7
PVF-MVP-2020	3.0	5.7	3.0	4.0	6.7	6.0	6.0	6.0	7.0	6.7	5.7
SEABREEZE GT	3.0	6.0	3.3	5.3	6.3	5.7	5.7	5.7	6.7	7.0	5.7
STB1	2.0	5.7	3.0	5.0	6.7	6.3	6.3	5.0	6.3	6.7	5.7
PPG-FRC 127	2.0	7.0	2.3	4.0	7.3	6.0	5.3	6.0	7.0	7.0	5.6
PST-4SWTM	2.7	6.0	2.7	4.7	6.7	5.7	6.0	5.7	6.7	7.0	5.6
RAD-FC59	2.7	6.7	3.0	4.3	6.7	5.7	6.0	6.0	7.0	6.3	5.6
REV (BYE)	2.0	6.0	2.3	4.3	7.0	5.3	6.3	6.0	6.7	6.7	5.6
FOXFIRE 2	2.7	6.0	3.3	4.3	6.3	5.3	5.7	5.3	7.3	6.7	5.5
JAMESTOWN VII	2.3	6.0	3.0	4.3	6.3	6.0	6.0	5.7	6.7	6.0	5.5
NAI-CHU1	1.7	6.3	2.3	4.0	7.0	6.3	5.0	6.3	6.3	6.7	5.5
RAD-FR64	2.7	6.3	3.0	4.7	6.7	6.3	5.7	5.0	6.3	6.7	5.5
BAR FRC 130	2.7	5.7	3.0	4.7	6.7	5.0	5.3	5.3	6.7	6.3	5.4
DLF-FRR-3128	2.3	5.7	3.0	4.7	7.0	5.0	6.0	5.0	6.0	6.3	5.4
DLFPS-FRC-3105	2.7	6.7	2.7	4.0	6.3	5.7	5.3	6.0	7.0	6.3	5.4
BAR FO 131	3.0	6.0	3.3	4.3	6.7	5.0	5.7	5.3	6.3	6.0	5.3
PPG-FRR-134	2.3	6.0	3.0	4.0	6.7	5.7	6.0	5.3	6.0	5.7	5.3
PVF-HSY+	3.0	6.0	3.0	3.7	6.3	5.3	5.3	5.0	7.0	6.3	5.3
SHADOW IV (PST-4SHAD)	3.0	5.3	3.0	4.7	6.7	5.3	5.7	4.7	6.0	6.3	5.3
BLUE HORNET (PPG-FO-102)	4.0	6.3	3.7	3.7	6.3	5.0	6.0	5.0	6.0	6.0	5.2
QUATRO	3.7	5.7	3.0	4.0	6.0	5.0	5.3	5.0	5.3	6.0	5.0
BOREAL	3.0	4.7	3.0	3.7	6.7	5.0	4.7	4.3	4.3	5.7	4.7
LSD VALUE	0.8	0.9	0.8	2.4	3.7	2.6	1.3	1.0	1.1	1.3	0.7
C.V. (%)	17.0	7.8	14.2	15.7	12.2	13.6	11.3	9.8	9.0	8.5	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.