

TABLE 1.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT RIVERSIDE, CA 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	PYTHIUM BLIGHT	QUALITY RATINGS												MEAN
					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
4TH MILLENNIUM SRP (U43)	7.7	6.0	7.7	8.7	6.7	6.7	7.0	6.7	6.7	7.0	7.0	7.7	7.3	7.7	7.7	7.7	7.1
PSG-P01	7.7	6.0	6.7	8.3	6.7	7.3	7.0	6.7	7.0	7.0	7.0	7.3	7.3	7.3	7.0	7.0	7.1
SCREAMER LS (PPG-TF-148)	7.7	6.3	7.0	8.3	7.0	7.3	7.0	7.0	7.0	6.7	6.7	7.0	7.0	7.0	7.0	7.0	7.0
IS-TF 311	7.7	6.3	7.3	8.7	7.0	7.0	7.0	6.7	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	6.9
MAESTRO (T31)	7.7	6.3	6.7	8.7	7.7	7.0	7.0	6.7	6.7	6.3	7.0	7.0	7.0	7.0	7.0	6.7	6.9
REGENERATE	8.0	6.7	7.0	8.3	6.7	6.7	6.7	6.7	7.0	7.0	6.7	7.3	6.7	7.3	7.0	7.0	6.9
TECHNIQUE (RZ2)	8.0	6.0	7.0	7.7	6.7	6.7	7.0	6.7	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9
AMITY (CCR2)	7.3	6.0	7.0	7.3	6.7	6.7	6.7	6.7	6.3	6.3	7.0	7.0	7.3	7.0	6.7	7.0	6.8
ROCKWELL (LTP-TWUU)	7.7	5.3	7.0	8.7	6.7	7.0	7.0	6.7	6.3	6.7	6.7	6.7	7.0	7.3	7.0	6.3	6.8
TERRANO	7.3	5.7	6.7	8.3	6.3	6.3	6.7	6.3	6.3	6.7	6.7	7.7	7.3	7.7	6.7	6.7	6.8
BLACK TAIL (PPG-TF-150)	7.3	6.3	7.0	8.7	6.7	6.7	6.7	6.3	7.0	6.3	6.7	6.7	6.7	7.0	7.0	7.0	6.7
FALCON V	7.7	5.7	6.7	8.0	7.0	7.0	6.3	6.0	6.7	6.7	6.3	6.7	7.0	7.0	6.7	7.0	6.7
TEMPLE (DZ1)	8.0	6.3	7.0	8.3	7.0	6.0	6.7	6.7	6.3	6.3	6.3	7.0	6.3	7.0	7.0	7.3	6.7
EMBRACE (PST-5EV2)	7.7	5.0	6.7	7.7	6.7	6.7	6.3	6.7	6.3	6.0	6.3	7.0	7.0	7.0	6.7	6.3	6.6
FALCON IV	8.0	4.7	6.3	8.0	6.3	6.7	6.3	6.3	6.3	6.0	6.3	6.7	6.7	7.3	7.0	7.0	6.6
FIRECRACKER SLS (PPG-TF-105)	8.0	5.7	7.0	8.3	6.7	6.7	6.7	6.7	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.3	6.6
GTO (BURL TF-2)	8.0	6.0	6.7	8.3	6.7	6.3	6.7	6.3	6.0	6.3	6.7	7.0	7.0	6.7	6.7	6.7	6.6
HOT ROD (BURL TF-136)	8.0	5.3	7.3	8.0	6.7	6.3	6.7	6.3	7.0	7.0	6.7	6.7	7.0	6.3	6.3	6.3	6.6
HOVER (BURL TF-69)	7.3	5.7	6.3	7.3	6.3	6.3	6.3	6.0	6.7	6.3	6.7	6.7	6.7	6.7	7.0	7.0	6.6
LEONARDO (LTP-FSD)	7.7	5.0	6.7	9.0	6.7	7.0	6.3	6.3	6.3	6.7	6.3	6.7	7.3	6.7	6.7	6.3	6.6
MET 1	7.7	6.0	6.7	8.3	6.7	7.0	7.0	6.3	6.7	6.3	6.3	6.7	6.7	6.7	6.7	6.3	6.6
OLYMPUS (RAD-TF-88)	7.7	6.0	7.0	8.7	6.3	6.7	7.0	6.3	6.7	6.3	7.0	7.0	7.0	6.3	6.3	6.0	6.6
ROWDY (SRX-TPC)	8.0	6.0	7.0	8.3	6.3	7.0	6.7	6.3	6.0	6.7	6.3	6.7	7.0	6.7	6.7	6.7	6.6
SUPERSONIC (PPG-TF-170)	7.7	6.0	6.0	7.7	6.7	6.7	6.7	6.7	6.3	6.7	6.3	6.3	6.7	6.7	7.0	6.7	6.6
ANNIHILATOR	8.0	5.3	6.3	8.7	6.7	6.0	6.3	6.3	6.3	6.0	6.3	6.7	7.0	6.7	6.7	6.7	6.5
DIABLO (IS-TF 330)	8.0	5.7	7.0	8.7	6.3	6.7	6.3	7.0	6.0	6.7	6.0	7.0	6.7	6.3	6.3	6.3	6.5
GRANDE 3	7.3	5.7	6.7	8.0	6.7	6.7	6.0	6.3	6.3	6.3	6.3	6.3	7.0	6.3	6.7	7.0	6.5
JS 819	7.7	5.7	5.7	8.3	6.3	6.3	6.3	6.3	6.3	6.0	6.0	6.3	7.0	7.0	7.0	7.0	6.5
MET-3	7.7	6.0	7.0	8.3	6.3	6.0	7.0	6.3	6.7	6.7	6.7	6.7	6.7	6.3	6.3	6.0	6.5
RAD-TF-92	7.7	5.3	6.3	8.0	6.3	6.7	6.7	6.0	6.3	5.7	6.7	6.7	7.0	6.7	6.7	6.7	6.5
TITANIUM 2LS (PPG-TF-152)	8.0	6.0	6.3	7.7	7.0	7.0	6.7	6.3	6.3	6.3	6.7	6.3	6.3	6.3	6.3	6.7	6.5
TURFWAY (IS-TF 282 M2)	8.0	5.3	6.0	8.7	6.3	6.3	6.0	6.7	6.3	6.3	6.0	6.3	6.7	7.3	6.7	6.7	6.5
W41	7.7	6.0	6.3	7.3	6.3	6.0	6.3	6.3	6.3	6.0	6.7	6.7	6.7	6.7	7.0	7.0	6.5
204 RES. BLK4	7.0	6.7	7.0	8.0	6.7	6.0	6.0	6.0	6.3	6.7	6.3	6.3	6.7	6.3	6.7	6.7	6.4
ATF 1612	7.7	5.7	6.0	8.7	6.3	6.3	6.3	6.0	6.3	6.3	6.3	6.3	6.7	6.7	6.7	6.7	6.4
ATF 1704	7.0	5.7	6.7	9.0	6.3	6.7	6.0	6.3	6.7	6.3	6.3	6.3	6.7	6.3	6.3	6.3	6.4
B23	7.7	6.0	5.7	7.7	6.3	6.7	6.3	6.7	6.0	6.7	6.3	6.7	6.3	6.3	6.3	6.3	6.4
DYNAMITE LS (PPG-TF-145)	7.7	5.7	6.3	8.0	6.3	6.7	6.7	6.3	6.3	6.3	6.0	6.3	6.3	6.7	6.0	6.3	6.4
F711	7.7	6.0	7.0	8.3	6.7	6.7	6.3	6.7	6.0	6.7	6.0	6.3	7.0	6.3	6.3	6.3	6.4
FAYETTE (IS-TF 291)	8.0	6.0	6.0	8.0	6.7	6.3	6.0	6.3	6.0	6.0	6.0	6.3	6.7	7.0	7.3	6.7	6.4
FESNOVA	8.0	6.0	6.7	7.7	6.7	6.3	6.3	6.3	6.0	6.0	6.0	7.0	6.7	7.0	6.3	6.0	6.4
FIREWALL (PSG-WE1)	8.0	6.0	7.7	8.0	6.7	6.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.4
HEMI	7.7	5.7	6.7	7.7	6.3	6.7	6.7	6.3	6.3	6.0	6.3	6.3	6.0	6.7	6.3	6.3	6.4
JS 818	8.0	5.0	6.3	8.7	6.3	6.3	6.0	6.3	6.0	6.0	6.0	6.3	6.7	7.0	7.0	7.0	6.4
MARAUDER	7.7	5.7	6.0	9.0	6.0	6.0	6.7	6.3	6.0	6.7	6.7	7.0	6.3	6.3	6.3	6.3	6.4

TABLE 1.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT RIVERSIDE, CA 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	PYTHIUM BLIGHT	QUALITY RATINGS												MEAN
					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PPG-TF-135	7.7	6.0	7.0	8.3	6.7	6.7	6.3	6.3	6.0	6.0	6.0	6.0	6.3	6.7	6.7	6.7	6.4
PPG-TF-169	7.7	5.3	6.3	8.7	6.7	6.3	6.0	6.0	6.0	6.0	6.0	6.3	6.0	7.0	7.0	7.0	6.4
RAD-TF-89	7.7	6.0	6.7	8.0	6.7	6.7	6.3	6.0	6.3	6.0	6.0	6.3	6.3	6.3	6.7	6.7	6.4
RAPTOR III (ZW 44)	8.0	6.0	6.0	8.0	6.3	7.0	6.3	6.7	6.0	6.0	6.0	6.3	7.0	6.7	6.3	6.3	6.4
REBOUNDER (PICK-W43)	7.7	5.7	6.3	8.0	6.3	6.3	6.3	5.7	6.7	6.3	6.3	6.7	7.0	6.7	6.3	6.3	6.4
REFLECTION (U45)	7.3	6.0	7.7	9.0	6.3	6.3	6.3	6.3	6.7	6.7	6.3	6.7	6.7	6.3	6.3	6.0	6.4
RHAMBLER 2 SRP (LSD)	7.3	6.0	6.3	8.0	6.3	6.0	6.0	6.0	6.3	6.3	6.3	7.0	6.7	7.0	6.3	6.3	6.4
THUNDERSTRUCK (TD1)	8.0	6.0	6.7	8.0	6.0	6.3	6.7	6.3	6.0	6.3	6.7	6.7	6.3	6.7	6.3	6.3	6.4
UNITUS (IS-TF 289)	8.0	4.3	6.0	8.7	6.3	6.3	6.0	6.3	6.0	6.0	6.0	6.0	7.0	7.0	6.7	6.7	6.4
WARHAWK	7.7	5.0	5.3	8.7	6.7	6.3	6.7	6.3	6.3	6.0	6.3	6.7	6.7	6.7	6.3	6.3	6.4
WICHITA (PPG-TF-151)	7.3	6.0	6.3	7.3	6.3	6.0	6.7	6.7	6.3	6.3	6.3	5.7	6.3	6.7	6.3	6.7	6.4
AQUADUCT	8.0	5.7	5.7	8.7	6.0	6.3	5.7	6.0	5.7	6.0	6.0	6.7	6.7	7.3	6.3	6.3	6.3
ARES (PPG-TF-142)	8.0	5.0	6.0	8.3	6.0	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.7	6.7	6.7	6.7	6.3
ATF 1754	7.7	5.7	6.3	8.3	6.0	6.7	6.0	6.3	6.3	6.3	6.0	6.7	6.0	6.7	6.0	6.0	6.3
BAR FA 121095	7.7	5.3	7.0	8.0	6.7	6.3	6.3	6.0	5.7	6.0	5.7	6.7	6.3	6.7	6.3	6.7	6.3
BIZEM	7.7	5.7	7.0	7.3	6.3	6.3	6.3	6.0	6.3	6.0	6.0	6.3	6.3	7.0	6.3	6.3	6.3
CAESAR (TY 10)	7.7	5.3	6.0	9.0	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.3	6.7	6.3	6.3	6.3	6.3
FAITH	7.3	6.0	6.3	8.7	6.7	6.7	6.7	6.3	6.3	6.0	5.7	6.3	6.7	6.0	6.3	6.3	6.3
IS-TF 276 M2	7.7	5.7	6.3	8.7	6.3	5.7	6.0	6.0	6.0	6.0	6.0	7.0	6.7	7.0	6.3	6.3	6.3
JS 916	8.0	5.0	6.3	8.3	6.0	6.3	6.7	6.3	6.3	6.3	6.0	6.0	6.3	6.3	6.0	6.3	6.3
K12-MCD	8.0	5.3	7.0	8.3	6.3	6.3	6.3	6.0	6.3	6.3	6.0	6.7	7.0	6.0	6.3	6.3	6.3
KINGDOM (DB1)	8.0	5.3	6.7	8.7	6.0	6.3	6.3	6.3	6.3	6.7	6.0	6.0	6.3	7.0	6.0	6.0	6.3
PSG-GSD	8.0	5.7	6.3	8.3	6.3	6.3	6.0	6.7	6.0	5.7	6.3	6.3	6.7	6.7	6.3	6.3	6.3
PST-5DZP	7.7	5.7	6.7	8.7	6.3	6.0	6.0	6.7	6.0	6.0	6.0	6.3	6.7	6.3	6.3	6.3	6.3
XTENDER (PPG-TF-139)	7.3	6.0	6.3	8.3	6.7	6.0	6.7	6.0	6.3	6.3	6.0	6.3	6.7	6.3	6.0	6.7	6.3
ATF 1736	7.3	5.0	6.3	7.0	6.3	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.7	6.2
BULLSEYE	7.3	5.7	6.3	8.3	5.7	6.7	6.3	6.0	6.0	6.7	6.0	6.3	6.7	6.0	6.0	5.7	6.2
CATALYST	8.0	5.3	6.7	7.0	6.3	6.7	6.3	6.3	6.0	6.3	6.0	6.3	6.0	5.7	6.0	6.0	6.2
CROSSFIRE 4 (IS-TF 310 SEL)	8.0	5.7	6.3	7.3	6.3	6.7	6.3	6.0	6.3	6.0	6.0	6.0	6.3	6.3	6.0	6.3	6.2
FIREBIRD 2	8.0	5.7	6.7	8.3	6.0	6.3	6.0	6.0	6.3	6.3	6.3	6.3	6.7	6.3	6.0	5.7	6.2
IS-TF 269 SEL	7.7	5.7	6.3	8.3	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.3	6.7	6.7	6.3	6.3	6.2
IS-TF 308 SEL	8.0	5.3	7.0	8.3	6.0	6.3	6.0	6.7	6.0	6.0	6.3	6.0	7.0	6.0	6.0	6.0	6.2
IS-TF-287	8.0	5.3	6.0	7.3	6.0	6.7	5.7	6.3	5.7	6.0	5.7	6.3	6.7	6.3	6.3	6.3	6.2
K12-05	8.0	6.0	6.7	8.7	6.0	6.0	6.3	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.2
MICHELANGELO (LTP-F5DPDR)	7.7	5.3	6.3	8.0	6.0	6.0	5.7	5.7	6.3	6.3	6.0	6.3	7.3	6.3	6.3	6.3	6.2
PARAMOUNT (PPG-TF-137)	7.7	6.0	6.7	8.3	6.0	6.3	6.0	5.7	6.3	6.7	6.0	6.0	6.7	6.0	6.0	6.3	6.2
PST-5MVD	8.0	5.3	5.7	7.3	6.3	6.0	6.3	6.3	6.0	6.3	6.0	6.3	6.0	6.7	6.0	6.0	6.2
RHIZING MOON (IS-TF 305 SEL)	8.0	6.0	6.0	8.0	6.3	6.0	6.0	5.7	6.0	5.7	6.0	6.0	7.0	6.7	6.3	6.3	6.2
TRAVERSE 2 SRP (W45)	7.3	5.7	6.3	6.7	6.3	6.7	6.3	6.0	5.7	6.3	6.3	6.3	6.0	6.3	6.0	6.0	6.2
BLOODHOUND (MET 6 SEL)	7.3	5.7	6.3	8.3	6.3	5.7	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.0	6.0	6.7	6.1
HOUNDOGB (IS-TF 307 SEL)	7.7	6.0	6.7	8.3	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	7.0	6.3	6.0	6.0	6.1
INSPIRATION (PST-R5NW)	8.0	4.7	6.3	8.7	6.0	6.3	6.0	6.0	6.0	5.7	6.0	6.7	6.7	6.0	6.0	6.0	6.1
JS 809	8.0	5.7	6.3	8.0	6.0	6.3	6.0	6.0	5.7	6.0	6.0	6.3	6.3	6.3	6.0	6.0	6.1
MEMPHIS (GO-DFR)	8.0	6.0	6.0	8.3	6.0	5.7	6.0	5.7	6.3	6.3	6.0	6.7	6.3	6.3	5.7	5.7	6.1
MERIDIAN (PST-5GRB)	7.3	5.3	6.7	8.7	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	7.0	6.0	5.7	5.7	6.1

TABLE 1.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT RIVERSIDE, CA 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	PYTHIUM BLIGHT	QUALITY RATINGS												MEAN
					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PPG-TF-138	8.0	5.3	6.3	7.7	6.0	6.3	6.0	6.0	5.7	5.7	6.3	6.3	6.3	6.7	6.0	6.0	6.1
PSG-8BP2	8.0	5.0	6.3	8.0	6.3	6.3	6.0	6.0	6.0	5.3	6.0	6.0	6.3	6.3	6.0	6.3	6.1
PSG-TT4	8.0	5.0	5.0	7.7	6.0	6.3	6.3	6.0	5.7	5.7	5.7	6.3	6.3	6.7	6.3	6.3	6.1
PST-5BP0	7.7	5.0	6.0	8.3	6.3	6.3	6.0	6.0	6.0	5.7	6.0	6.3	6.3	6.0	5.7	6.0	6.1
THOR (PPG-TF-157)	7.7	6.0	6.3	7.0	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.0	6.0	6.0	6.0	6.3	6.1
VALKYRIE LS (PPG-TF-172)	7.7	6.0	6.7	8.7	6.0	6.3	6.0	6.0	6.0	6.0	5.7	6.0	6.3	6.0	6.3	6.3	6.1
AVENGER II (PPG-TF-156)	7.3	6.3	6.0	7.0	5.7	6.7	6.0	5.7	6.0	6.3	6.0	6.0	6.3	6.0	6.0	5.7	6.0
BAR FA 121091	8.0	5.0	6.0	7.7	6.0	6.3	6.0	6.0	5.7	6.0	5.7	6.0	6.7	6.0	6.0	6.0	6.0
IS-TF 272	8.0	5.7	6.3	8.7	6.0	6.3	6.0	5.7	5.3	6.0	5.7	6.0	6.3	6.3	6.0	6.0	6.0
NIGHTCRAWLER (IS-TF 285)	8.0	4.7	6.3	7.7	6.0	6.0	5.7	6.3	6.0	5.7	6.0	6.0	6.3	6.3	6.0	6.0	6.0
PPG-TF-115	7.7	5.3	7.0	8.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.0	6.0	6.0
PST-5EX2	7.7	4.3	6.0	8.0	6.0	6.0	5.7	5.7	6.0	6.3	6.0	6.0	6.0	6.3	6.0	6.3	6.0
BAR FA 121089	8.0	4.7	5.7	8.3	5.7	6.0	5.7	6.0	5.7	6.0	5.7	6.3	6.0	6.0	5.7	5.7	5.9
ENTRY 117	7.7	5.3	6.0	8.3	5.3	5.7	6.0	6.3	5.7	5.3	6.0	6.3	6.7	6.3	5.7	5.7	5.9
FRONTLINE (EXP TF-09)	8.0	5.7	5.7	7.7	6.0	6.0	5.7	6.0	6.0	5.7	5.7	6.3	5.7	6.3	6.0	5.7	5.9
K12-13	8.0	6.3	6.3	8.7	6.0	6.0	6.0	5.7	6.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	5.9
PST-5BRK	7.7	5.0	5.3	8.7	5.7	6.0	6.0	6.3	5.3	5.7	5.3	6.0	6.3	6.3	6.0	5.7	5.9
RAD-TF-83	8.0	4.7	6.0	7.7	6.0	6.0	5.7	6.0	5.7	5.7	5.7	6.3	6.3	6.0	6.0	5.7	5.9
SALTILLO (PST-5SALT)	7.0	4.7	6.3	8.3	5.7	6.0	5.7	6.0	6.0	5.7	6.0	6.3	6.7	6.3	5.7	5.3	5.9
TEMPTATION (OR-21)	8.0	5.0	6.0	8.0	5.7	6.0	6.0	6.0	5.3	5.7	5.7	6.3	6.3	6.3	5.7	5.7	5.9
COMP. RES. SST	7.3	6.7	6.7	8.3	5.7	5.7	6.0	5.3	5.3	6.0	5.7	6.3	6.0	6.3	5.7	5.3	5.8
FOXHOUND (IS-TF 284 M2)	7.7	5.3	6.7	8.7	6.0	5.7	5.3	5.7	5.3	5.3	5.7	6.0	6.0	6.0	6.0	6.0	5.8
RAIN DANCE (PST-5SDT)	7.3	4.7	6.0	8.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.3	6.3	6.0	5.7	5.7	5.8
SWAGGER (PST-5R05)	7.7	5.0	5.7	8.0	5.7	5.7	5.7	6.0	5.7	5.7	5.7	6.0	6.0	6.0	5.7	5.7	5.8
JS 825	7.7	4.0	5.0	8.7	6.0	6.0	6.0	6.0	5.0	5.3	5.3	6.0	6.0	6.0	5.3	5.7	5.7
BAR FA 120878	8.0	3.7	6.0	8.0	5.0	5.3	5.0	5.3	5.0	5.0	5.0	6.0	6.0	6.0	5.0	5.0	5.3
KY-31	6.0	3.7	4.7	8.7	3.7	4.3	4.3	5.0	4.0	4.0	4.0	5.3	6.0	5.3	4.7	4.0	4.6
LSD VALUE	1.0	0.8	1.2	5.5	0.9	1.8	1.1	1.6	1.0	1.2	1.0	1.6	1.3	1.2	1.3	1.4	0.6
C.V. (%)	5.4	8.7	9.4	11.8	8.0	9.8	8.6	8.5	8.5	9.1	8.4	8.8	8.0	8.4	9.5	10.2	5.7

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

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

TABLE 2.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT STORRS, CT 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS							MEAN
				MAY	JUN	JUL	AUG	SEP	OCT		
REFLECTION (U45)	7.0	6.0	6.3	7.3	7.0	7.7	8.0	8.0	7.3	7.6	
MET 1	5.3	6.3	7.0	7.7	6.7	8.0	7.3	7.7	7.3	7.4	
PSG-PO1	7.0	6.0	6.7	6.7	7.3	8.0	7.7	7.3	7.7	7.4	
REBOUNDER (PICK-W43)	7.7	5.3	6.0	6.7	7.7	7.7	6.0	8.0	8.3	7.4	
FIRECRACKER SLS (PPG-TF-105)	7.7	5.7	6.0	7.7	7.0	7.3	7.0	7.7	7.3	7.3	
THOR (PPG-TF-157)	8.3	6.3	6.3	6.7	7.7	8.0	6.7	7.3	7.7	7.3	
4TH MILLENNIUM SRP (U43)	7.0	5.7	7.0	7.0	6.3	7.7	7.7	7.3	7.3	7.2	
CROSSFIRE 4 (IS-TF 310 SEL)	7.7	5.7	6.7	6.3	7.7	8.0	6.7	7.7	7.0	7.2	
MICHELANGELO (LTP-F5DPDR)	7.0	6.7	5.7	7.3	7.0	7.0	6.7	7.3	8.0	7.2	
PPG-TF-135	6.0	6.0	7.3	7.0	6.7	6.7	7.7	8.0	7.0	7.2	
REGENERATE	7.0	5.7	7.0	7.0	7.0	6.7	7.7	7.7	7.3	7.2	
VALKYRIE LS (PPG-TF-172)	7.0	4.7	5.7	7.3	7.3	7.7	6.7	7.0	7.3	7.2	
BLACK TAIL (PPG-TF-150)	6.7	6.0	6.0	7.0	6.7	7.0	6.7	7.0	8.0	7.1	
BULLSEYE	7.0	5.7	5.3	7.0	7.0	7.0	6.7	7.7	7.0	7.1	
WICHITA (PPG-TF-151)	7.0	5.0	6.3	6.7	7.3	7.3	6.7	6.7	7.7	7.1	
BIZEM	6.0	5.3	6.7	6.0	6.3	7.7	7.3	7.0	7.7	7.0	
FIREWALL (PSG-WE1)	7.0	5.0	6.0	7.3	7.0	7.0	6.7	7.0	7.0	7.0	
PPG-TF-138	7.3	5.3	5.7	7.0	6.7	7.0	6.3	7.3	7.7	7.0	
SUPERSONIC (PPG-TF-170)	6.3	5.3	6.0	7.0	7.0	6.7	7.3	7.0	7.0	7.0	
AMITY (CCR2)	6.7	5.7	6.7	6.7	6.3	6.7	6.7	7.7	7.3	6.9	
IS-TF 311	7.3	5.3	5.7	6.7	7.0	7.0	6.7	7.0	7.0	6.9	
LEONARDO (LTP-FSD)	6.0	4.3	5.7	7.0	7.0	7.0	6.7	6.7	7.0	6.9	
PPG-TF-115	8.0	5.0	6.0	7.7	7.0	6.3	6.3	6.7	7.3	6.9	
ROCKWELL (LTP-TWUU)	7.0	5.7	6.7	7.0	6.7	7.3	6.3	6.3	7.7	6.9	
ROWDY (SRX-TPC)	7.0	4.3	6.0	7.0	7.3	6.7	7.0	6.7	7.0	6.9	
TITANIUM 2LS (PPG-TF-152)	7.0	5.3	6.7	7.0	7.0	7.0	6.7	7.0	6.7	6.9	
TRAVERSE 2 SRP (W45)	6.3	5.0	6.3	7.3	7.3	6.7	6.3	7.0	6.7	6.9	
B23	7.3	5.3	5.7	6.0	6.7	7.0	7.0	6.7	7.3	6.8	
BLOODHOUND (MET 6 SEL)	5.3	5.3	6.0	7.0	7.0	6.3	6.3	7.0	7.0	6.8	
CATALYST	6.0	5.3	5.7	7.0	7.0	6.3	6.3	6.7	7.3	6.8	
F711	5.3	6.3	6.0	7.0	6.7	6.3	7.0	7.0	7.0	6.8	
FAITH	6.7	6.3	5.3	6.7	6.7	7.3	6.0	7.3	7.0	6.8	
FALCON IV	7.3	5.7	4.7	7.0	7.7	6.7	6.0	6.3	7.0	6.8	
FAYETTE (IS-TF 291)	8.0	6.0	6.7	6.7	7.0	6.7	6.3	8.0	6.3	6.8	
FOXHOUND (IS-TF 284 M2)	8.7	5.0	5.7	8.0	7.7	8.0	5.7	5.7	6.0	6.8	
HEMI	6.3	4.7	6.3	7.0	6.3	7.3	6.7	6.7	7.0	6.8	
HOT ROD (BURL TF-136)	5.7	5.7	6.0	7.0	6.0	7.0	6.3	7.3	7.0	6.8	
MAESTRO (T31)	6.7	5.0	6.0	7.3	7.0	6.7	6.7	6.3	7.0	6.8	
PSG-GSD	6.3	5.0	5.0	7.3	6.7	7.3	6.0	6.3	7.0	6.8	
RHAMBLER 2 SRP (LSD)	6.7	4.0	6.3	6.3	6.3	7.3	7.0	6.7	7.0	6.8	
W41	6.7	5.3	6.3	7.0	6.7	7.0	6.0	7.0	7.3	6.8	
ATF 1612	6.7	6.0	6.3	6.3	6.7	7.3	6.7	6.7	6.3	6.7	
DIABLO (IS-TF 330)	9.0	4.3	6.7	6.7	6.7	6.7	6.3	7.0	7.0	6.7	
EMBRACE (PST-5EV2)	5.7	5.7	5.3	6.0	6.7	6.7	7.0	7.0	7.0	6.7	
GTO (BURL TF-2)	6.3	6.3	6.3	6.3	6.7	7.0	6.0	7.3	6.7	6.7	

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT STORRS, CT 1/
2017 DATA

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

NAME	QUALITY RATINGS									
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
IS-TF 308 SEL	7.3	5.3	6.0	6.3	7.0	7.0	6.3	6.7	6.7	6.7
IS-TF-287	6.3	5.7	6.0	6.7	6.3	7.3	6.3	7.3	6.3	6.7
RAPTOR III (ZW 44)	6.7	5.0	6.3	7.0	6.7	7.0	6.7	6.7	6.3	6.7
SCREAMER LS (PPG-TF-148)	6.3	5.7	6.0	6.3	6.7	7.0	6.7	6.7	6.7	6.7
THUNDERSTRUCK (TD1)	7.7	5.0	6.7	7.0	7.7	7.7	4.7	7.0	6.0	6.7
AVENGER II (PPG-TF-156)	6.7	5.7	7.0	6.3	6.0	6.7	6.7	7.0	7.0	6.6
FESNOVA	7.0	5.3	5.7	6.3	6.7	6.7	6.0	6.7	7.3	6.6
FIREBIRD 2	6.7	4.7	5.3	6.0	6.3	7.0	6.7	6.7	7.0	6.6
HOUNDOG8 (IS-TF 307 SEL)	7.7	5.0	5.3	6.0	7.0	7.0	6.0	6.7	6.7	6.6
MET-3	5.3	5.7	6.3	6.3	6.7	6.3	5.7	7.3	7.0	6.6
RHIZING MOON (IS-TF 305 SEL)	7.7	5.7	7.0	7.0	7.3	5.7	6.0	6.7	7.0	6.6
TECHNIQUE (RZ2)	5.7	5.3	6.7	6.3	6.7	6.7	6.0	6.7	7.3	6.6
XTENDER (PPG-TF-139)	7.3	4.3	6.0	6.0	6.7	7.3	6.3	6.3	6.7	6.6
IS-TF 269 SEL	8.3	5.0	5.7	6.7	7.3	6.3	5.3	6.3	7.0	6.5
IS-TF 272	8.7	3.7	6.3	6.0	6.3	6.0	6.0	7.7	7.0	6.5
IS-TF 276 M2	8.0	4.7	5.7	6.0	6.3	6.7	6.3	6.7	7.0	6.5
K12-MCD	6.7	5.7	6.3	6.3	6.3	7.3	6.0	6.3	6.7	6.5
PST-5BP0	6.3	5.0	5.3	6.7	6.3	6.7	6.3	6.0	7.0	6.5
PST-5BRK	5.7	6.7	5.3	7.0	6.3	6.7	6.0	6.3	6.7	6.5
PST-5MVD	7.3	5.7	4.7	5.3	7.0	6.3	7.0	6.7	6.7	6.5
REBEL V (ATF 1736)	5.7	6.0	5.0	7.0	6.3	6.3	6.0	6.3	7.0	6.5
TURFWAY (IS-TF 282 M2)	8.3	5.0	6.7	6.7	7.0	7.0	5.7	6.7	6.0	6.5
UNITUS (IS-TF 289)	8.7	4.3	5.7	6.7	6.3	6.7	6.3	6.3	6.7	6.5
HOVER (BURL TF-69)	7.7	4.7	6.3	5.3	6.0	6.7	6.3	7.0	7.0	6.4
KINGDOM (DB1)	8.7	4.0	6.3	6.7	7.0	6.0	5.3	7.3	6.0	6.4
NIGHTCRAWLER (IS-TF 285)	7.7	4.3	6.0	6.3	6.7	6.0	6.0	6.7	7.0	6.4
OLYMPUS (RAD-TF-88)	6.3	3.0	7.7	5.7	6.7	6.7	5.3	7.3	7.0	6.4
PARAMOUNT (PPG-TF-137)	6.3	5.3	6.0	6.0	6.3	6.3	6.0	7.0	7.0	6.4
TERRANO	7.7	4.3	5.3	6.7	6.7	7.0	5.3	6.3	6.3	6.4
ARES (PPG-TF-142)	9.0	4.3	6.3	6.3	6.7	5.7	5.0	6.7	7.3	6.3
ATF 1704	5.3	5.0	5.7	6.0	6.0	6.3	6.0	6.7	6.7	6.3
DYNAMITE LS (PPG-TF-145)	7.7	3.7	5.3	6.7	7.3	6.0	5.0	6.3	6.3	6.3
FALCON V	5.7	6.3	6.0	6.0	6.0	6.0	6.7	6.3	7.0	6.3
GRANDE 3	6.3	7.0	4.7	6.0	5.7	6.0	6.3	7.0	6.7	6.3
JS 818	8.7	3.7	5.0	7.0	6.7	6.7	4.7	7.0	6.0	6.3
K12-05	9.0	5.3	7.3	6.7	7.0	6.0	5.0	6.7	6.3	6.3
PPG-TF-169	6.0	6.3	4.7	6.0	5.7	6.7	6.0	7.0	6.7	6.3
PSG-8BP2	7.3	4.3	5.0	6.7	6.7	6.3	6.0	6.3	6.0	6.3
PSG-TT4	6.7	5.7	5.3	7.0	6.0	7.0	5.3	6.0	6.7	6.3
RAD-TF-89	6.3	3.7	6.3	5.7	6.3	6.0	5.7	7.0	7.0	6.3
SWAGGER (PST-5R05)	6.0	4.7	5.3	6.0	6.3	6.3	6.7	6.3	6.0	6.3
TEMPLE (DZ1)	7.0	5.7	6.0	6.3	6.7	6.3	5.7	6.0	6.7	6.3
JS 916	7.0	4.3	5.7	6.0	6.3	6.0	5.7	6.7	6.3	6.2
CAESAR (TY 10)	7.7	5.3	5.3	6.3	6.3	5.7	5.0	6.7	6.3	6.1
JS 809	8.0	4.0	5.3	6.3	7.0	6.7	4.7	6.3	5.3	6.1

TABLE 2.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT STORRS, CT 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	MAY	JUN	QUALITY RATINGS				MEAN
						JUL	AUG	SEP	OCT	
MEMPHIS (GO-DFR)	8.0	4.3	5.7	6.0	7.0	6.7	5.0	6.7	5.3	6.1
PST-5EX2	5.3	5.7	4.0	5.7	5.3	6.3	6.3	6.0	6.7	6.1
SALTILLO (PST-5SALT)	6.3	4.0	5.0	6.0	5.7	6.0	6.0	6.0	7.0	6.1
JS 819	8.0	4.3	5.7	6.0	7.3	6.3	4.7	6.0	5.7	6.0
PST-5DZP	7.3	4.3	5.0	5.7	6.3	6.0	5.7	6.0	6.3	6.0
RAD-TF-83	6.3	5.3	6.0	6.3	6.3	5.7	4.7	6.3	6.0	5.9
FRONTLINE (EXP TF-09)	9.0	5.3	5.7	6.3	6.0	6.7	4.7	6.3	5.0	5.8
INSPIRATION (PST-R5NW)	7.3	5.0	4.3	6.0	6.3	5.7	5.3	6.0	5.7	5.8
RAD-TF-92	7.0	3.7	6.0	5.3	6.0	6.0	5.0	6.7	5.7	5.8
ATF 1754	5.0	4.7	5.3	5.0	5.7	5.7	6.0	5.7	6.3	5.7
BAR FA 121089	6.3	4.0	5.0	5.3	6.7	5.7	5.0	5.7	5.7	5.7
BAR FA 121095	7.7	3.3	6.0	6.0	6.7	5.7	4.7	6.0	5.0	5.7
MERIDIAN (PST-5GRB)	5.7	5.0	7.0	6.0	5.7	5.7	5.0	6.0	5.7	5.7
RAIN DANCE (PST-5SDT)	5.0	5.3	5.3	6.0	5.7	6.0	5.3	6.0	5.3	5.7
BAR FA 121091	8.0	4.7	4.7	6.0	6.0	6.0	4.3	5.7	5.3	5.6
TEMPTATION (OR-21)	9.0	4.7	6.0	5.7	6.0	5.3	5.0	6.3	5.3	5.6
ANNIHILATOR	6.0	5.3	6.0	5.3	6.0	6.0	5.0	5.3	5.3	5.5
JS 825	7.7	3.3	5.3	5.3	6.7	5.7	4.7	5.7	5.0	5.5
AQUADUCT	7.0	3.7	4.3	5.0	6.3	5.7	5.0	5.0	5.3	5.4
K12-13	8.3	4.0	6.3	6.0	5.7	5.7	4.0	6.0	5.0	5.4
204 RES. BLK4	5.0	5.7	7.3	5.0	6.3	4.7	4.7	5.7	5.0	5.2
COMP. RES. SST	6.3	5.0	6.7	4.7	5.0	5.0	4.7	6.0	5.0	5.1
MARAUDER	5.7	4.3	6.3	4.7	5.7	5.0	4.0	5.7	5.3	5.1
WARHAWK	6.3	3.7	5.3	5.0	5.3	5.0	4.3	5.7	5.0	5.1
BAR FA 120878	5.7	4.3	3.3	4.3	5.3	4.7	5.3	4.7	5.3	4.9
KY-31	2.0	5.0	2.0	3.0	3.0	3.0	3.7	4.0	3.7	3.4
LSD VALUE	1.6	1.7	1.5	1.6	1.9	2.3	1.2	1.3	1.2	0.8
C.V. (%)	13.9	17.6	14.5	13.5	13.1	15.9	12.4	11.1	11.0	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 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT GRIFFIN, GA 1/
2017 DATA

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

NAME	GENETIC COLOR	WINTER COLOR	QUALITY RATINGS											MEAN		
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		DEC	
REBEL V (ATF 1736)	6.7	4.0	5.0	5.7	6.0	6.3	6.3	6.3	6.3	6.3	6.0	6.0	6.0	5.7	5.5	6.0
MET 1	6.3	5.7	5.3	5.7	6.0	6.0	6.3	6.3	6.3	6.0	6.0	5.7	5.7	5.7	5.7	5.9
F711	6.0	5.5	5.5	6.0	5.7	5.3	6.0	6.0	6.0	6.0	6.0	6.0	5.7	5.3	6.0	5.8
MICHELANGELO (LTP-F5DPDR)	6.3	5.5	5.5	6.0	6.3	6.0	6.3	6.0	6.0	5.7	5.7	5.3	5.0	5.5	5.8	5.8
TITANIUM 2LS (PPG-TF-152)	6.3	4.0	6.0	5.7	6.0	6.3	6.3	6.5	6.0	6.0	5.5	5.5	5.0	4.0	5.8	5.8
FAITH	6.3	5.5	5.7	5.7	5.3	5.7	5.7	6.0	6.0	6.0	5.7	5.7	5.3	5.5	5.7	5.7
FALCON V	6.0	5.3	5.3	5.7	6.0	6.0	6.0	6.3	6.0	5.3	5.7	5.3	5.3	5.0	5.7	5.7
GTO (BURL TF-2)	6.0	6.0	5.7	5.7	6.0	6.3	6.0	6.3	5.7	5.3	5.0	5.5	5.0	5.0	5.7	5.7
PSG-PO1	6.3	5.0	5.5	6.0	6.0	5.7	5.7	6.0	6.0	5.3	5.7	5.7	5.3	5.0	5.7	5.7
PST-5BPO	6.3	4.7	5.7	6.3	5.7	6.3	6.3	6.7	5.3	5.0	5.0	5.7	5.7	5.0	5.7	5.7
ATF 1754	6.3	4.7	5.3	5.7	6.0	5.7	6.3	6.0	5.7	5.3	5.3	5.7	5.3	5.0	5.6	5.6
BIZEM	6.3	5.0	5.0	5.7	5.7	6.0	6.0	6.0	6.7	5.5	5.5	5.5	5.3	5.0	5.6	5.6
CAESAR (TY 10)	6.7	5.3	5.7	5.7	6.3	6.3	6.0	6.3	6.0	5.0	5.0	5.0	5.0	4.3	5.6	5.6
CROSSFIRE 4 (IS-TF 310 SEL)	6.0	5.0	5.0	6.0	5.3	5.7	6.0	6.0	5.7	5.3	5.0	6.0	6.0	5.5	5.6	5.6
DYNAMITE LS (PPG-TF-145)	6.7	4.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.3	5.0	5.3	5.0	4.7	5.6	5.6
EMBRACE (PST-5EV2)	6.3	4.7	5.3	5.7	6.3	5.7	6.0	5.7	5.3	5.0	5.7	5.3	6.0	5.0	5.6	5.6
FAYETTE (IS-TF 291)	6.7	5.5	5.7	5.7	5.3	6.0	6.0	6.0	5.7	5.7	6.0	5.3	5.0	5.5	5.6	5.6
HEMI	6.0	5.0	5.0	5.7	6.0	6.0	6.0	6.3	5.7	5.7	5.7	5.7	5.0	5.0	5.6	5.6
MAESTRO (T31)	6.3	6.0	5.0	5.7	5.3	5.7	5.7	6.0	5.7	5.3	5.7	5.7	5.3	6.0	5.6	5.6
OLYMPUS (RAD-TF-88)	7.0	5.0	5.0	5.5	6.0	5.7	6.0	5.5	6.0	5.5	5.5	6.0	5.5	4.5	5.6	5.6
PPG-TF-135	6.0	4.7	5.7	6.0	5.7	5.7	6.0	5.7	5.3	5.3	5.0	5.3	5.7	5.3	5.6	5.6
PPG-TF-169	6.0	5.3	5.3	5.7	5.7	6.0	6.0	6.0	5.7	5.3	5.3	5.7	6.0	5.0	5.6	5.6
REFLECTION (U45)	6.3	5.3	4.7	5.0	5.7	5.3	5.3	6.3	5.7	6.0	5.7	6.0	5.7	5.3	5.6	5.6
REGENERATE	6.3	5.0	5.0	5.7	6.0	5.3	5.7	5.7	6.0	5.7	5.7	6.0	5.7	5.0	5.6	5.6
RHIZING MOON (IS-TF 305 SEL)	6.0	4.5	5.0	5.3	5.7	5.7	6.0	6.0	6.0	5.7	5.7	5.7	5.7	4.5	5.6	5.6
THOR (PPG-TF-157)	5.7	5.0	5.3	5.3	5.7	5.7	5.3	5.7	5.7	5.7	5.3	6.0	5.7	5.3	5.6	5.6
TRENDING (IS-TF 269 SEL)	7.0	5.5	5.0	6.0	5.7	5.7	6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.5	5.6	5.6
UNITUS (IS-TF 289)	6.0	5.5	5.0	5.3	5.3	6.0	5.7	6.0	6.0	5.7	5.7	5.7	5.7	5.0	5.6	5.6
4TH MILLENNIUM SRP (U43)	7.0	5.5	5.0	5.0	5.7	5.0	5.5	6.0	6.0	5.5	5.5	6.0	5.5	5.0	5.5	5.5
ATF 1704	6.0	5.0	5.3	5.7	6.0	6.0	6.0	6.0	5.7	5.3	5.0	5.0	4.7	5.0	5.5	5.5
AVENGER II (PPG-TF-156)	6.0	5.3	5.0	5.3	5.7	6.0	6.0	6.0	6.0	5.0	5.0	5.7	5.3	5.0	5.5	5.5
BAR FA 121095	6.7	5.3	5.0	5.0	5.7	5.7	6.0	6.3	6.0	5.7	5.0	5.3	5.3	5.0	5.5	5.5
BLACK TAIL (PPG-TF-150)	5.7	5.0	5.0	5.3	5.7	5.7	5.3	5.7	6.0	5.7	5.7	5.7	5.7	5.0	5.5	5.5
BULLSEYE	6.0	5.3	4.7	5.3	5.7	6.0	6.3	5.7	5.7	5.3	5.3	5.3	5.3	5.3	5.5	5.5
GRANDE 3	6.0	5.0	4.5	5.3	5.3	5.7	5.7	6.0	5.7	5.7	5.7	6.0	5.3	4.5	5.5	5.5
JS 809	6.0	5.0	4.5	5.3	5.3	5.0	5.3	6.0	5.7	5.7	5.7	5.7	5.7	5.0	5.5	5.5
JS 916	6.0	4.7	5.7	5.7	6.0	6.0	5.7	6.0	5.7	5.3	5.0	5.0	5.0	4.7	5.5	5.5
K12-MCD	6.3	5.0	5.3	5.7	6.0	5.7	5.7	5.7	6.0	5.3	5.3	5.3	5.0	5.3	5.5	5.5
LEONARDO (LTP-FSD)	6.0	5.0	5.0	5.7	5.7	5.7	5.7	5.7	6.0	5.7	5.7	5.7	5.7	4.7	5.0	5.5
PARAMOUNT (PPG-TF-137)	6.0	4.5	5.3	6.0	5.3	5.7	5.7	6.0	5.5	6.0	5.3	5.3	5.0	5.0	5.5	5.5
PST-5DZP	6.7	4.7	5.3	5.3	5.7	5.7	6.0	6.0	5.7	5.3	5.0	5.3	5.7	4.7	5.5	5.5
TERRANO	6.7	5.3	5.3	5.3	6.3	6.3	6.3	6.3	5.7	5.0	5.0	5.0	5.0	4.3	5.5	5.5
TRAVERSE 2 SRP (W45)	6.3	5.7	4.7	4.7	5.7	6.0	5.7	6.0	5.7	5.3	5.3	5.7	5.3	5.7	5.5	5.5
204 RES. BLK4	6.3	4.3	5.3	5.3	5.7	5.7	6.0	6.0	5.3	5.0	5.0	5.3	5.3	4.7	5.4	5.4
FOXHOUND (IS-TF 284 M2)	6.3	4.7	5.0	5.3	5.7	5.7	6.3	5.7	6.0	5.7	5.0	5.3	4.7	4.7	5.4	5.4

TABLE 3. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT GRIFFIN, GA 1/
2017 DATA

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

NAME	GENETIC COLOR	WINTER COLOR	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
HOUNDG8 (IS-TF 307 SEL)	6.0	5.3	4.7	5.7	6.0	5.7	5.7	5.5	5.7	5.3	5.3	5.3	5.0	4.7	5.4
IS-TF 272	6.3	4.7	5.0	5.0	5.3	5.7	6.0	5.7	5.7	5.7	5.0	5.3	5.0	5.0	5.4
IS-TF 276 M2	6.0	5.0	5.0	5.7	5.3	6.0	6.0	6.0	5.7	5.3	5.0	5.3	4.7	5.0	5.4
JS 819	6.7	5.0	4.7	4.7	6.0	6.3	6.0	6.0	5.7	5.3	5.0	5.0	5.0	4.7	5.4
JS 825	6.0	5.0	5.0	5.3	5.3	6.0	5.7	6.0	6.0	5.7	5.3	5.0	4.7	4.5	5.4
K12-13	6.0	6.0	5.0	5.0	5.0	5.7	5.7	5.7	5.7	5.3	5.3	5.5	5.5	6.0	5.4
PSG-GSD	6.0	5.5	5.3	5.7	5.0	5.3	5.3	5.0	5.7	5.7	5.7	5.7	5.0	5.5	5.4
PST-5BRK	6.0	4.7	5.7	6.0	5.3	5.7	5.7	6.0	5.3	5.3	5.3	5.0	5.0	5.0	5.4
RAD-TF-89	6.0	5.0	5.3	5.7	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.3	4.7	4.7	5.4
SCREAMER LS (PPG-TF-148)	6.0	5.0	4.7	5.3	5.3	5.3	5.3	5.7	5.7	5.3	5.3	5.7	5.3	5.3	5.4
STANDOUT (IS-TF 308 SEL)	6.3	4.7	5.0	5.0	6.0	5.7	5.7	5.7	5.3	5.0	5.3	5.3	5.3	5.0	5.4
SUPERSONIC (PPG-TF-170)	6.3	5.0	5.0	5.7	5.7	6.0	5.7	5.7	5.7	5.7	5.3	5.3	5.3	4.3	5.4
TECHNIQUE (RZ2)	6.0	5.7	4.7	5.0	5.3	5.3	5.3	5.3	5.7	5.7	5.7	5.7	5.3	5.3	5.4
TEMPLE (DZ1)	6.3	5.3	5.0	5.0	5.7	5.7	5.7	6.0	5.3	5.0	5.3	5.7	5.7	5.3	5.4
WARHAWK	6.3	5.0	4.7	5.0	5.7	6.0	5.7	5.7	5.7	5.3	5.3	5.3	5.3	5.0	5.4
WICHITA (PPG-TF-151)	6.3	4.5	4.5	4.7	5.7	6.3	5.7	6.0	6.0	6.0	5.5	5.5	5.0	4.5	5.4
AMITY (CCR2)	6.3	5.0	5.0	5.3	5.0	5.3	5.3	5.7	5.7	5.3	5.0	5.0	5.3	5.0	5.3
B23	6.3	5.0	4.0	5.0	6.0	6.0	5.7	5.7	5.7	5.3	5.7	5.7	4.3	4.3	5.3
COMP. RES. SST	6.3	5.5	5.0	5.7	5.3	5.3	5.3	5.3	5.3	5.7	5.3	5.0	5.3	5.0	5.3
FESNOVA	6.0	4.7	4.3	5.3	5.3	5.7	6.0	5.7	5.3	5.0	5.3	5.0	5.3	5.3	5.3
FIREBIRD 2	6.3	4.5	5.0	5.7	5.7	5.0	5.7	5.7	5.3	5.3	5.3	5.0	4.7	4.5	5.3
INSPIRATION (PST-R5NW)	6.0	5.0	5.0	5.3	5.3	5.3	5.7	5.0	5.3	5.3	5.3	5.3	5.0	5.0	5.3
IS-TF 311	6.0	5.0	4.7	5.0	5.3	5.3	5.3	5.7	6.0	5.3	5.3	5.7	5.0	5.0	5.3
MEMPHIS (GO-DFR)	6.0	5.0	5.0	5.3	5.3	5.7	5.7	5.7	5.7	5.0	4.7	5.5	5.5	4.5	5.3
PPG-TF-115	6.7	5.0	5.3	5.7	5.7	5.7	6.3	6.0	5.3	5.0	5.0	5.0	4.7	4.3	5.3
PSG-TT4	6.0	4.7	5.3	5.7	5.7	5.7	6.0	6.0	5.3	5.0	5.0	5.0	5.0	4.3	5.3
PST-5EX2	6.0	5.5	4.3	5.3	5.3	6.0	6.0	6.0	5.7	5.3	5.0	5.0	4.7	5.0	5.3
RAD-TF-92	6.7	5.3	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.0	5.0	5.5	4.7	4.7	5.3
RAIN DANCE (PST-5SDT)	6.3	5.0	4.7	5.0	5.7	5.7	5.7	5.7	5.3	5.0	5.0	5.3	5.0	5.0	5.3
ROCKWELL (LTP-TWUU)	6.3	5.3	5.0	5.0	5.3	5.7	5.7	5.7	5.3	5.3	5.0	4.7	5.7	5.0	5.3
VALKYRIE LS (PPG-TF-172)	6.3	5.0	5.3	6.0	5.3	6.0	5.7	5.3	5.3	5.0	4.7	5.0	5.0	4.5	5.3
W41	6.3	4.3	5.3	5.3	5.3	6.0	6.0	5.7	5.7	5.3	5.0	5.3	4.3	4.0	5.3
XTENDER (PPG-TF-139)	6.3	5.3	5.0	5.7	5.3	5.7	5.7	5.7	5.3	5.3	5.0	4.7	5.7	5.0	5.3
ATF 1612	6.0	4.7	4.0	4.3	5.7	5.7	5.3	5.7	5.3	5.3	5.0	5.3	5.3	5.0	5.2
BAR FA 120878	6.0	3.5	5.0	5.5	5.3	5.0	5.5	5.5	5.5	5.5	5.5	5.0	5.5	4.5	5.2
BLOODHOUND (MET 6 SEL)	6.0	5.0	4.7	5.3	5.3	5.3	5.7	5.7	5.3	5.3	5.0	5.0	5.3	4.7	5.2
DIABLO (IS-TF 330)	6.0	5.0	4.7	5.3	5.3	5.3	5.3	5.7	5.3	5.3	5.3	5.0	4.7	5.0	5.2
FIREWALL (PSG-WE1)	6.0	4.3	4.3	4.7	5.3	5.7	5.7	5.7	5.5	5.5	5.5	5.5	5.0	4.7	5.2
K12-05	6.0	5.0	5.0	5.7	5.3	5.7	6.0	5.7	5.3	4.7	4.7	5.5	4.5	4.5	5.2
MET-3	6.0	4.5	5.0	4.5	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.7	4.0	5.2
NIGHTCRAWLER (IS-TF 285)	6.0	4.7	4.7	5.3	5.3	5.7	6.0	6.0	5.3	4.7	5.0	5.3	4.7	4.3	5.2
PST-5MVD	6.3	5.0	5.0	5.0	5.3	5.3	5.7	5.3	5.0	5.3	5.0	5.0	5.0	5.0	5.2
RAPTOR III (ZW 44)	6.0	4.3	4.7	4.7	5.3	6.0	5.3	6.0	5.7	5.0	4.7	5.0	5.3	5.0	5.2
REBOUNDER (PICK-W43)	6.0	5.3	4.7	5.3	5.7	5.7	5.3	5.7	5.3	5.0	4.7	5.0	5.3	5.0	5.2
SALTILLO (PST-5SALT)	5.7	4.3	5.3	5.3	5.3	5.7	5.3	5.7	5.0	5.0	5.3	5.3	4.7	4.7	5.2

TABLE 3. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT GRIFFIN, GA 1/
2017 DATA

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

NAME	GENETIC COLOR	WINTER COLOR	QUALITY RATINGS												MEAN	
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
SWAGGER (PST-5R05)	6.0	5.3	5.3	5.7	5.7	5.7	5.7	5.7	5.3	4.7	5.0	4.7	4.7	5.7	4.7	5.2
TURFWAY (IS-TF 282 M2)	6.3	4.3	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.3	5.0	4.7	4.7	5.0	4.3	5.2
ANNIHILATOR	6.7	4.0	5.0	5.3	6.0	5.7	5.7	5.7	5.3	5.0	4.7	5.0	5.0	4.3	4.0	5.1
ARES (PPG-TF-142)	6.0	4.7	5.0	5.0	5.3	5.3	5.3	5.3	5.5	5.7	5.0	5.3	5.3	4.3	4.3	5.1
BAR FA 121089	6.0	4.0	4.0	4.5	5.7	5.7	6.0	6.0	5.5	5.5	4.5	5.0	5.0	5.0	4.0	5.1
HOT ROD (BURL TF-136)	6.0	5.7	4.3	4.7	5.0	5.3	5.7	5.7	5.3	5.3	5.0	5.0	5.0	5.3	5.0	5.1
IS-TF-287	6.0	4.3	4.7	5.3	5.3	5.3	5.3	5.3	5.3	5.7	5.3	4.7	5.3	5.0	4.3	5.1
MERIDIAN (PST-5GRB)	6.0	4.7	4.7	5.3	5.3	6.0	5.7	5.3	5.3	5.0	4.3	4.7	4.7	5.7	5.0	5.1
PSG-8BP2	6.0	4.3	5.3	5.7	5.3	5.7	5.7	5.7	5.7	5.3	4.7	5.0	4.7	4.3	4.3	5.1
RAD-TF-83	6.5	6.0	4.5	5.0	5.0	5.3	5.5	5.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1
RHAMBLER 2 SRP (LSD)	7.0	4.7	4.7	5.0	6.0	5.3	6.0	5.7	5.3	5.3	5.0	5.0	5.0	4.3	3.7	5.1
TEMPTATION (OR-21)	6.0	3.7	4.7	5.0	6.0	5.7	5.3	5.7	5.3	5.3	5.0	4.7	4.7	4.7	4.3	5.1
THUNDERSTRUCK (TD1)	6.7	4.3	5.0	5.7	5.3	5.7	5.7	5.3	5.7	4.7	4.7	5.0	4.3	4.0	5.1	
BAR FA 121091	6.0	4.5	4.7	5.0	4.7	5.0	5.7	5.7	5.3	5.3	5.0	5.5	5.0	5.0	4.5	5.0
FIRECRACKER SLS (PPG-TF-105)	6.3	5.3	5.0	4.7	5.3	6.0	5.3	5.3	5.0	5.0	5.0	4.7	4.7	4.7	4.3	5.0
KINGDOM (DB1)	6.3	5.0	4.7	5.3	5.3	5.0	5.7	5.7	5.0	4.7	4.7	4.7	4.7	5.3	4.3	5.0
MARAUDER	6.7	5.3	4.7	4.7	5.3	5.3	5.7	5.7	5.0	4.7	5.0	5.0	4.7	4.7	4.7	5.0
ROWDY (SRX-TPC)	6.0	4.0	4.3	4.3	5.7	5.3	5.7	6.0	6.0	5.3	4.7	5.0	4.0	4.0	4.0	5.0
FALCON IV	6.0	4.7	4.0	4.3	5.0	5.0	5.7	5.7	5.3	5.3	5.0	5.0	4.0	4.0	4.3	4.9
HOVER (BURL TF-69)	6.0	5.0	4.5	5.0	5.3	4.7	5.0	6.0	5.5	5.0	5.0	5.0	5.0	4.5	4.5	4.9
PPG-TF-138	6.0	5.0	4.7	5.3	5.0	5.0	5.3	5.0	5.0	5.0	5.0	5.0	5.0	4.3	4.7	4.9
CATALYST	6.3	5.0	3.7	5.0	5.3	5.0	5.7	5.0	5.0	4.7	5.0	4.7	4.3	4.3	4.3	4.8
JS 818	5.7	4.0	4.3	4.3	5.3	5.7	5.0	4.7	4.3	4.7	4.5	4.5	4.5	4.5	4.0	4.7
AQUADUCT	6.0	4.0	3.7	4.3	5.7	5.3	5.0	4.7	4.7	4.7	4.0	4.0	4.3	3.7	3.7	4.5
FRONTLINE (EXP TF-09)	6.0	4.0	4.3	4.3	5.0	4.7	5.0	5.0	5.0	4.7	4.3	4.3	4.3	3.7	3.7	4.5
KY-31	4.3	4.3	3.3	4.0	4.0	4.3	4.0	4.0	4.3	4.0	4.0	4.7	3.7	4.0	4.0	4.0
LSD VALUE	1.0	3.9	3.1	2.2	1.7	1.6	2.0	1.1	2.4	2.5	3.2	3.0	2.7	5.1	1.1	
C.V. (%)	7.0	15.8	15.4	12.9	9.9	9.9	9.9	8.5	11.1	11.6	12.9	12.3	15.2	17.4	7.7	

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

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

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT AMES, IA 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS							
		APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
F711	7.3	6.7	7.7	7.7	8.0	7.7	7.3	8.7	7.7
FIRECRACKER SLS (PPG-TF-105)	6.3	7.3	7.7	8.3	6.7	7.3	7.7	8.0	7.6
IS-TF 272	6.3	6.7	8.0	8.3	7.0	7.0	8.0	7.7	7.5
W41	7.0	7.0	7.3	6.7	7.7	8.0	8.0	8.0	7.5
FOXHOUND (IS-TF 284 M2)	7.0	6.0	7.7	8.0	7.3	7.3	8.3	7.3	7.4
IS-TF 276 M2	7.3	7.3	7.7	8.0	8.0	7.7	6.3	7.0	7.4
PPG-TF-138	6.3	7.3	8.0	7.0	8.0	7.0	7.3	7.0	7.4
TECHNIQUE (RZ2)	6.3	6.0	7.0	7.7	7.7	7.7	7.7	8.3	7.4
PST-5BRK	6.3	6.3	6.7	8.0	7.7	7.3	7.7	7.3	7.3
REFLECTION (U45)	6.7	7.3	7.7	7.3	7.0	6.7	7.7	7.7	7.3
UNITUS (IS-TF 289)	6.0	6.0	8.0	8.7	8.7	6.7	7.0	6.3	7.3
BLOODHOUND (MET 6 SEL)	7.3	7.0	7.0	6.3	7.0	7.3	8.0	8.0	7.2
IS-TF 269 SEL	6.7	7.3	7.3	7.7	6.7	7.3	7.7	6.7	7.2
JS 818	6.3	5.7	7.7	8.7	7.0	6.3	7.7	7.3	7.2
LEONARDO (LTP-FSD)	7.7	7.0	7.0	7.7	7.3	7.7	6.7	7.3	7.2
PARAMOUNT (PPG-TF-137)	6.3	6.7	7.0	7.3	7.3	7.3	7.3	7.3	7.2
PPG-TF-135	7.0	7.0	7.7	7.3	7.0	6.7	7.3	7.3	7.2
TEMPLE (DZ1)	7.3	6.3	7.3	7.7	7.3	7.7	6.7	7.7	7.2
THUNDERSTRUCK (TD1)	6.3	5.7	7.3	8.3	8.0	6.3	7.3	7.3	7.2
BIZEM	6.7	6.0	7.7	6.7	7.3	7.7	6.7	7.7	7.1
EMBRACE (PST-5EV2)	7.0	7.0	7.7	6.7	6.7	7.0	7.3	7.3	7.1
FAITH	6.7	6.3	7.7	7.3	6.0	7.7	6.7	8.0	7.1
FRONTLINE (EXP TF-09)	6.7	6.0	7.3	8.0	8.0	6.7	7.3	6.7	7.1
MEMPHIS (GO-DFR)	6.3	6.0	7.3	7.3	7.3	6.3	8.0	7.3	7.1
PSG-P01	7.7	6.3	7.0	7.3	7.3	7.7	6.7	7.3	7.1
RAD-TF-89	6.7	6.0	7.0	7.0	7.0	7.3	7.7	7.7	7.1
RAPTOR III (ZW 44)	7.7	7.0	7.0	6.7	7.3	8.0	6.3	7.3	7.1
REBOUNDER (PICK-W43)	7.0	6.7	7.7	6.7	7.0	7.0	7.0	7.7	7.1
REGENERATE	6.7	6.7	7.7	6.7	7.0	7.0	7.7	7.0	7.1
WICHITA (PPG-TF-151)	6.3	6.3	7.0	7.0	7.0	7.3	7.7	7.3	7.1
B23	6.7	7.3	7.7	7.7	7.0	6.0	6.0	7.3	7.0
BLACK TAIL (PPG-TF-150)	7.0	6.3	7.3	7.3	6.3	6.7	7.3	7.7	7.0
CAESAR (TY 10)	6.0	6.0	6.7	7.7	7.7	6.3	7.7	7.3	7.0
CATALYST	6.7	6.3	6.7	6.7	7.7	7.7	6.3	7.7	7.0
DIABLO (IS-TF 330)	6.7	6.3	7.0	7.7	6.7	6.3	7.3	7.3	7.0
DYNAMITE LS (PPG-TF-145)	6.3	6.7	7.0	7.0	7.3	7.0	7.0	7.0	7.0
FAYETTE (IS-TF 291)	7.0	6.7	7.0	7.3	6.7	7.0	7.0	7.3	7.0
FIREBIRD 2	6.3	6.3	7.3	7.3	6.3	7.3	7.3	7.3	7.0
GTO (BURL TF-2)	6.3	6.3	7.0	6.7	7.3	7.0	7.3	7.3	7.0
HEMI	6.0	6.7	6.7	7.0	7.3	6.7	7.0	7.3	7.0
HOT ROD (BURL TF-136)	6.0	7.3	6.7	6.3	6.0	7.0	7.7	7.7	7.0
HOUNDG8 (IS-TF 307 SEL)	6.7	6.0	7.3	8.0	8.3	6.3	7.0	6.3	7.0
KINGDOM (DB1)	7.0	6.0	7.3	7.3	7.0	7.0	6.7	7.3	7.0
MET-3	6.3	6.7	7.0	7.0	6.7	6.7	6.7	8.0	7.0
RAD-TF-92	5.7	6.0	7.3	7.3	6.7	6.7	7.0	7.7	7.0

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT AMES, IA 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS								MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT		
ROCKWELL (LTP-TWUU)	7.3	6.7	7.0	6.7	6.7	7.3	7.7	7.3	7.0	
SALTILLO (PST-5SALT)	7.0	6.3	6.7	7.0	7.3	7.3	7.0	7.0	7.0	
TURFWAY (IS-TF 282 M2)	7.0	5.7	7.3	7.3	7.3	6.3	8.0	7.3	7.0	
4TH MILLENNIUM SRP (U43)	6.0	7.0	6.3	7.3	6.3	7.0	7.0	7.3	6.9	
PPG-TF-115	7.3	6.0	7.0	7.0	6.7	7.0	7.3	7.3	6.9	
PPG-TF-169	6.7	6.0	7.0	6.7	6.7	7.3	7.3	7.3	6.9	
RAD-TF-83	6.7	6.3	7.3	6.7	7.3	6.7	6.7	7.0	6.9	
TRAVERSE 2 SRP (W45)	7.0	7.0	7.3	6.7	6.7	6.3	7.0	7.3	6.9	
FESNOVA	7.0	5.3	6.3	7.0	7.3	7.0	7.3	7.0	6.8	
GRANDE 3	6.7	6.3	6.3	6.3	7.0	7.3	7.3	7.0	6.8	
IS-TF 308 SEL	6.0	6.0	7.7	7.0	7.0	6.3	6.3	7.3	6.8	
MET 1	6.3	6.0	6.7	6.7	6.3	7.0	7.0	7.7	6.8	
MICHELANGELO (LTP-F5DPDR)	7.0	5.7	7.7	6.7	7.7	7.0	6.0	6.7	6.8	
PSG-GSD	6.3	7.0	7.3	7.0	6.3	6.7	6.3	6.7	6.8	
PST-5EX2	6.3	6.7	6.3	6.0	7.0	7.0	7.0	7.7	6.8	
REBEL V (ATF 1736)	7.0	6.3	7.0	6.3	7.0	6.7	6.7	7.3	6.8	
RHIZING MOON (IS-TF 305 SEL)	6.3	6.3	8.0	7.0	7.0	6.7	6.0	6.7	6.8	
ROWDY (SRX-TPC)	6.7	5.7	7.0	7.3	6.7	6.7	7.0	7.0	6.8	
XTENDER (PPG-TF-139)	6.0	6.7	7.7	6.7	6.7	6.3	6.3	7.0	6.8	
ARES (PPG-TF-142)	7.3	5.3	6.7	7.7	7.7	6.3	6.7	6.3	6.7	
BAR FA 121095	6.0	5.3	7.3	7.3	7.0	6.7	6.3	6.7	6.7	
HOVER (BURL TF-69)	7.0	6.3	7.3	6.7	7.0	6.0	6.7	6.7	6.7	
IS-TF-287	6.0	6.7	7.7	7.0	6.7	6.3	6.0	6.7	6.7	
JS 819	6.7	5.3	6.7	7.7	7.7	6.7	6.3	6.7	6.7	
K12-13	6.0	6.0	7.0	7.0	6.7	6.7	6.3	7.0	6.7	
K12-MCD	6.7	6.7	6.7	6.7	7.0	6.7	6.7	6.7	6.7	
NIGHTCRAWLER (IS-TF 285)	6.3	5.0	7.7	7.7	6.7	6.0	7.0	6.7	6.7	
OLYMPUS (RAD-TF-88)	5.3	6.0	7.0	7.3	6.0	6.3	7.3	6.7	6.7	
PST-5BPO	6.0	6.0	6.7	6.3	6.7	6.7	7.3	7.0	6.7	
THOR (PPG-TF-157)	7.0	6.3	7.7	7.0	7.0	6.3	6.0	6.7	6.7	
204 RES. BLK4	7.0	7.0	6.3	6.0	6.3	7.0	6.7	6.7	6.6	
AMITY (CCR2)	6.7	5.7	6.0	7.0	6.3	7.0	7.0	7.3	6.6	
ATF 1612	5.3	5.7	7.3	7.0	7.0	6.3	6.3	6.7	6.6	
ATF 1754	7.0	7.0	6.0	6.3	6.7	6.7	6.3	7.3	6.6	
BAR FA 121091	6.3	5.3	6.3	7.3	6.3	7.0	6.7	7.0	6.6	
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	6.7	7.0	6.7	6.7	6.0	7.0	6.3	6.6	
FALCON V	6.7	7.0	6.3	6.3	6.3	6.7	6.7	7.0	6.6	
FIREWALL (PSG-WE1)	6.7	5.7	6.3	6.3	6.3	6.7	7.3	7.3	6.6	
INSPIRATION (PST-R5NW)	7.3	5.3	6.3	7.0	7.0	7.0	7.0	6.3	6.6	
PSG-8BP2	7.0	5.3	6.3	6.7	7.0	7.0	7.0	6.7	6.6	
PST-5MVD	6.3	6.3	6.7	7.0	6.3	6.7	6.7	6.7	6.6	
RAIN DANCE (PST-5SDT)	7.3	5.7	6.7	7.0	6.7	7.0	6.3	7.0	6.6	
RHAMBLER 2 SRP (LSD)	6.0	6.7	7.3	7.0	6.7	6.3	6.0	6.3	6.6	
SWAGGER (PST-5R05)	5.7	6.7	6.7	6.3	6.7	6.7	6.0	7.0	6.6	
TITANIUM 2LS (PPG-TF-152)	6.0	6.3	7.0	6.3	7.0	6.3	6.0	7.0	6.6	

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT AMES, IA 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS							MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	
VALKYRIE LS (PPG-TF-172)	6.0	7.7	6.7	6.3	6.0	6.3	6.7	6.7	6.6
ANNIHILATOR	6.3	6.0	6.3	6.0	8.0	6.0	6.3	6.7	6.5
BULLSEYE	6.0	5.3	7.3	6.7	6.3	6.7	6.3	6.7	6.5
COMP. RES. SST	5.3	5.7	6.7	7.0	7.0	6.7	6.0	6.7	6.5
MERIDIAN (PST-5GRB)	5.0	6.0	6.7	7.0	6.3	6.3	6.7	6.7	6.5
SCREAMER LS (PPG-TF-148)	7.3	6.0	6.0	6.0	6.7	7.0	6.7	7.3	6.5
SUPERSONIC (PPG-TF-170)	6.0	6.0	6.7	6.7	6.7	6.0	6.3	7.0	6.5
TEMPTATION (OR-21)	6.0	5.7	6.7	7.7	6.7	6.0	6.0	6.7	6.5
TERRANO	7.0	5.7	6.7	7.3	6.7	6.3	6.0	7.0	6.5
ATF 1704	5.7	6.7	6.3	6.3	6.7	6.3	6.0	6.7	6.4
AVENGER II (PPG-TF-156)	6.0	5.3	6.7	6.3	6.3	6.7	7.0	6.7	6.4
FALCON IV	6.7	5.7	6.3	6.7	6.3	6.3	6.7	6.7	6.4
IS-TF 311	6.0	5.7	6.3	6.0	6.7	6.3	6.3	7.3	6.4
JS 809	6.0	5.7	6.7	6.7	6.3	6.3	6.3	7.0	6.4
JS 916	6.3	6.0	6.3	6.3	6.0	6.3	7.0	7.0	6.4
K12-05	6.0	5.3	7.3	7.0	6.3	6.0	6.3	6.7	6.4
MAESTRO (T31)	5.7	6.3	6.3	6.3	6.3	6.3	6.7	6.7	6.4
MARAUDER	6.3	5.3	6.0	7.0	6.3	6.7	7.0	6.3	6.4
PSG-TT4	6.0	5.7	6.0	6.0	6.7	6.3	7.3	6.7	6.4
PST-5DZP	6.7	6.0	7.3	7.0	6.0	6.0	6.0	6.3	6.4
JS 825	6.3	5.0	6.3	6.7	6.7	6.3	6.3	6.7	6.3
WARHAWK	5.3	5.0	6.3	6.7	6.7	6.3	6.7	6.7	6.3
BAR FA 121089	6.3	5.0	6.3	6.3	6.0	6.7	6.3	6.3	6.1
AQUADUCT	6.0	5.3	5.3	6.3	6.7	5.7	6.3	6.3	6.0
BAR FA 120878	6.3	5.0	5.7	6.3	6.0	6.3	6.0	5.7	5.9
KY-31	6.3	4.0	5.0	4.7	5.0	5.3	5.0	5.3	4.9
LSD VALUE	3.0	2.1	2.3	1.7	1.7	2.7	1.9	2.1	1.0
C.V. (%)	13.2	14.4	12.1	11.5	10.9	11.9	11.9	10.7	7.1

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 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT URBANA, IL 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL	APR	MAY	JUN	QUALITY RATINGS				MEAN
				COLOR NOVEMBER				JUL	AUG	SEP	OCT	
FESNOVA	6.3	7.0	5.3	6.3	8.0	9.0	6.7	6.3	5.3	5.0	7.7	6.9
FOXHOUND (IS-TF 284 M2)	7.0	7.3	5.0	7.0	8.3	8.7	6.7	6.0	5.3	4.7	8.0	6.8
AMITY (CCR2)	6.7	7.0	4.7	6.3	8.3	8.7	6.3	6.0	5.3	4.7	7.3	6.7
IS-TF 272	7.0	7.3	4.7	7.3	8.3	8.7	6.3	5.7	5.3	5.0	7.7	6.7
ATF 1704	6.3	7.0	4.3	6.7	7.7	8.7	6.0	6.0	5.7	4.7	7.7	6.6
BLACK TAIL (PPG-TF-150)	7.0	6.3	5.0	6.7	8.0	8.3	6.0	6.0	5.7	5.0	7.0	6.6
REGENERATE	6.7	7.0	5.3	6.0	8.0	8.0	6.7	5.7	5.3	5.0	7.7	6.6
RHIZING MOON (IS-TF 305 SEL)	7.0	6.7	4.0	7.0	8.3	8.7	6.7	6.3	5.3	4.0	7.0	6.6
ATF 1754	6.7	7.3	4.0	6.7	8.0	8.7	6.0	5.7	5.7	4.0	7.3	6.5
CAESAR (TY 10)	6.3	8.0	5.0	6.7	7.7	8.0	6.3	6.0	5.3	4.7	7.7	6.5
HOT ROD (BURL TF-136)	6.7	7.3	4.7	6.7	8.3	8.7	6.3	6.0	5.3	4.3	6.7	6.5
KINGDOM (DB1)	6.3	7.7	4.7	6.7	7.7	8.3	6.0	6.0	5.0	4.7	7.7	6.5
THUNDERSTRUCK (TD1)	6.7	7.7	4.3	6.7	8.0	8.0	6.3	5.7	5.7	4.7	7.3	6.5
DIABLO (IS-TF 330)	6.7	7.3	4.7	7.0	7.7	8.0	5.7	6.0	5.3	4.7	7.3	6.4
FAITH	6.3	6.7	4.3	6.0	7.7	8.3	5.7	5.7	5.0	4.7	7.7	6.4
IS-TF 269 SEL	6.7	7.3	4.7	7.0	7.7	8.0	6.3	6.0	5.0	4.7	7.3	6.4
JS 819	6.3	7.7	4.0	7.0	8.3	8.3	6.3	5.3	4.7	4.3	7.7	6.4
MET-3	6.7	7.0	4.7	7.0	8.7	8.7	5.7	5.7	5.0	4.3	7.0	6.4
OLYMPUS (RAD-TF-88)	6.7	6.7	4.3	7.0	8.3	8.7	5.7	5.7	5.0	4.7	7.0	6.4
PSG-P01	7.0	6.7	4.3	6.7	7.7	8.0	6.0	5.7	5.3	4.7	7.7	6.4
PST-5MVD	7.0	6.3	4.7	6.7	7.7	8.3	5.3	5.3	5.0	5.0	8.0	6.4
ATF 1612	6.7	6.7	3.7	7.0	7.7	8.3	5.7	6.0	5.0	4.3	7.3	6.3
FIRECRACKER SLS (PPG-TF-105)	7.0	8.0	4.7	7.0	8.3	8.7	5.7	5.7	5.0	4.0	6.7	6.3
HOUNDOG8 (IS-TF 307 SEL)	6.3	6.7	3.7	7.0	7.7	7.7	6.0	5.7	5.3	4.7	7.3	6.3
IS-TF 311	6.7	7.7	4.7	7.0	7.7	8.0	6.0	5.7	5.3	4.3	7.3	6.3
NIGHTCRAWLER (IS-TF 285)	6.3	7.0	4.7	6.7	7.3	7.7	6.0	6.0	5.0	4.7	7.3	6.3
PARAMOUNT (PPG-TF-137)	6.0	6.3	4.0	6.3	7.7	7.7	6.0	5.7	5.0	4.7	7.3	6.3
PPG-TF-169	7.0	6.7	4.3	6.7	7.3	8.0	6.0	5.7	5.7	5.0	6.7	6.3
REBOUNDER (PICK-W43)	6.3	7.7	5.0	6.3	7.3	8.0	6.0	5.7	5.7	4.7	7.0	6.3
ROWDY (SRX-TPC)	6.7	7.0	5.0	6.7	7.7	8.3	6.0	5.7	5.0	4.3	7.3	6.3
THOR (PPG-TF-157)	6.0	8.0	5.0	7.0	7.3	7.7	6.3	5.7	5.3	4.7	7.0	6.3
TRAVERSE 2 SRP (W45)	6.3	7.0	4.7	7.0	8.3	8.3	5.3	5.7	4.7	4.3	7.3	6.3
TURFWAY (IS-TF 282 M2)	6.7	7.3	4.3	7.3	8.0	7.7	6.0	5.7	5.0	4.3	7.3	6.3
W41	6.3	7.3	4.7	6.3	8.0	8.3	6.0	5.3	5.0	4.3	7.3	6.3
204 RES. BLK4	6.0	7.3	5.0	6.7	7.7	7.7	6.3	5.7	5.0	4.3	6.7	6.2
4TH MILLENNIUM SRP (U43)	6.3	7.3	5.0	6.7	8.3	8.0	5.7	5.3	5.0	4.0	7.3	6.2
ARES (PPG-TF-142)	7.0	7.3	3.7	6.7	7.3	8.0	5.7	5.3	5.0	4.3	7.7	6.2
AVENGER II (PPG-TF-156)	6.7	6.7	4.7	7.3	8.0	8.0	6.3	5.7	5.0	4.0	6.7	6.2
BAR FA 121091	6.7	6.3	5.0	6.3	7.3	7.7	5.3	5.7	5.0	4.7	7.7	6.2
BULLSEYE	7.0	6.3	4.3	6.7	7.0	7.3	5.3	6.0	5.3	4.7	7.7	6.2
COMP. RES. SST	5.7	6.3	4.7	6.3	7.3	7.3	6.0	5.7	5.7	5.0	6.7	6.2
CROSSFIRE 4 (IS-TF 310 SEL)	5.7	7.0	4.0	6.7	7.3	7.7	6.3	5.7	5.0	4.3	7.0	6.2
GRANDE 3	6.7	7.0	4.3	7.0	7.7	7.7	7.0	6.0	5.0	4.3	6.0	6.2
HOVER (BURL TF-69)	6.3	6.7	4.3	6.7	7.3	8.0	5.7	5.7	5.3	4.7	7.0	6.2
JS 818	6.3	8.0	4.7	7.0	7.7	7.7	5.7	5.3	5.3	4.3	7.3	6.2

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT URBANA, IL 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL COLOR				QUALITY RATINGS				MEAN
				NOVEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	
JS 916	6.0	7.7	4.7	6.7	7.7	7.7	6.0	5.7	5.0	4.3	7.0	6.2
LEONARDO (LTP-FSD)	6.3	6.7	4.7	6.7	7.3	7.7	6.0	5.3	5.0	5.0	7.3	6.2
MAESTRO (T31)	6.3	6.7	4.3	6.7	7.3	8.0	6.0	5.7	5.0	4.3	7.3	6.2
MARAUDER	6.3	7.0	4.7	6.7	7.0	7.3	6.3	5.7	4.7	5.0	7.3	6.2
PPG-TF-138	6.7	7.7	4.3	6.7	7.7	8.3	5.7	5.7	5.0	4.0	7.0	6.2
SALTILLO (PST-5SALT)	6.7	7.7	4.7	7.3	7.3	7.7	5.7	5.7	5.0	4.3	7.7	6.2
TEMPTATION (OR-21)	7.0	7.3	4.7	7.0	8.0	8.0	5.7	5.3	5.0	4.3	7.3	6.2
TITANIUM 2LS (PPG-TF-152)	6.0	6.7	4.3	6.7	7.7	7.7	6.0	6.0	5.0	4.7	6.7	6.2
ANNIHILATOR	6.7	8.0	3.7	7.0	7.3	8.0	6.0	5.0	4.7	4.0	7.7	6.1
BAR FA 121089	6.7	7.3	5.0	6.7	7.7	8.0	5.7	5.3	5.3	4.3	6.7	6.1
BIZEM	6.7	6.0	4.7	5.7	7.3	8.0	5.7	5.3	5.3	4.7	6.7	6.1
FALCON V	6.7	7.7	5.0	6.3	7.3	7.7	5.7	5.0	5.0	4.7	7.3	6.1
GTO (BURL TF-2)	6.7	6.7	4.3	7.0	7.7	8.0	6.0	5.7	5.0	4.0	6.3	6.1
HEMI	6.7	7.3	4.7	6.7	7.7	7.7	6.0	5.7	5.3	4.0	6.7	6.1
IS-TF 308 SEL	6.0	7.0	4.3	7.0	8.0	8.0	6.0	5.3	5.0	4.0	6.3	6.1
IS-TF-287	6.7	8.0	4.3	7.0	7.0	7.3	6.0	6.0	5.0	4.0	7.7	6.1
K12-05	6.7	6.3	4.7	6.3	7.3	7.7	5.7	5.3	5.3	4.7	7.0	6.1
K12-MCD	6.3	7.7	4.0	6.7	7.7	8.0	5.7	5.3	5.0	4.3	7.0	6.1
MERIDIAN (PST-5GRB)	6.3	6.7	4.3	6.7	7.3	8.0	6.0	5.3	5.0	4.3	7.0	6.1
MET 1	6.7	6.7	4.3	6.7	7.0	7.7	5.7	5.0	5.7	4.7	7.0	6.1
RAD-TF-83	7.0	8.0	4.3	6.3	7.7	8.0	6.0	5.3	5.7	4.0	6.3	6.1
RAD-TF-89	6.7	6.7	4.3	6.3	7.7	8.3	6.0	5.7	5.0	4.0	6.3	6.1
RAD-TF-92	6.3	7.0	4.3	6.7	8.0	8.0	5.3	5.0	5.0	4.3	7.0	6.1
RAPTOR III (ZW 44)	6.7	7.3	5.0	6.7	8.3	8.0	6.0	5.7	4.7	4.0	6.3	6.1
REFLECTION (U45)	6.3	7.0	4.7	6.3	7.3	7.7	5.7	5.7	5.3	4.7	6.3	6.1
ROCKWELL (LTP-TWUU)	6.7	7.0	4.3	7.0	7.7	7.3	5.3	5.3	5.3	4.3	7.3	6.1
SUPERSONIC (PPG-TF-170)	6.3	6.7	4.3	6.7	7.3	7.0	6.3	6.0	5.3	4.3	6.7	6.1
TECHNIQUE (RZ2)	6.3	6.0	4.7	6.3	7.7	8.0	5.7	5.7	4.7	4.0	7.3	6.1
TEMPLE (DZ1)	6.3	6.7	4.3	7.3	7.7	8.3	5.7	5.0	5.0	4.3	7.0	6.1
UNITUS (IS-TF 289)	6.3	8.0	5.0	7.3	7.7	7.3	7.0	6.0	5.0	3.7	6.3	6.1
XTENDER (PPG-TF-139)	6.7	6.7	4.0	6.3	8.0	8.0	5.3	5.3	5.3	4.3	6.7	6.1
BLOODHOUND (MET 6 SEL)	6.3	7.0	5.0	7.0	7.3	8.0	5.7	5.3	5.0	4.0	7.0	6.0
DYNAMITE LS (PPG-TF-145)	6.7	7.0	4.3	6.7	7.7	8.3	5.7	5.3	5.0	4.0	6.3	6.0
EMBRACE (PST-5EV2)	6.7	7.0	4.7	6.7	7.3	7.3	5.7	5.3	4.7	4.3	7.0	6.0
FAYETTE (IS-TF 291)	6.3	7.3	4.0	7.0	6.7	7.3	5.7	5.3	5.3	4.3	7.7	6.0
FIREWALL (PSG-WE1)	6.7	7.0	4.7	6.7	7.7	8.0	5.7	5.3	4.3	4.0	7.0	6.0
IS-TF 276 M2	6.7	7.3	5.0	6.0	7.0	7.3	5.7	5.3	5.3	4.0	7.3	6.0
MEMPHIS (GO-DFR)	7.0	6.7	4.7	6.3	7.7	8.0	5.7	4.7	4.3	4.0	7.3	6.0
MICHELANGELO (LTP-F5DPDR)	6.0	7.3	4.7	7.0	7.3	7.7	6.0	5.7	4.7	4.0	6.3	6.0
PPG-TF-135	6.7	6.7	3.7	6.7	7.3	8.0	5.7	5.0	4.7	4.0	7.0	6.0
PST-5BRK	6.0	7.0	4.7	6.7	7.0	7.3	5.7	5.3	5.3	4.7	7.0	6.0
REBEL V (ATF 1736)	6.7	7.3	5.0	7.3	7.3	7.3	5.7	5.3	5.0	4.3	7.3	6.0
VALKYRIE LS (PPG-TF-172)	6.3	6.7	4.0	6.0	7.3	7.0	5.3	5.7	5.0	4.3	7.3	6.0
B23	7.0	6.7	3.7	7.0	7.3	7.3	5.0	5.0	4.7	4.7	7.3	5.9
BAR FA 121095	6.3	6.0	4.7	6.0	7.0	7.3	5.7	5.3	4.7	4.3	7.0	5.9

TABLE 5.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT URBANA, IL 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL COLOR NOVEMBER	APR	MAY	JUN	QUALITY RATINGS				MEAN
								JUL	AUG	SEP	OCT	
F711	6.0	6.7	4.7	6.7	7.3	8.0	5.3	5.0	5.0	3.7	7.0	5.9
INSPIRATION (PST-R5NW)	6.3	7.3	4.3	7.0	7.3	7.7	5.3	5.0	4.7	4.0	7.0	5.9
JS 809	7.0	7.0	4.7	6.3	7.3	7.3	5.3	5.3	4.7	4.3	6.7	5.9
PST-5DZP	6.3	6.7	4.3	6.3	7.0	7.7	5.3	5.0	4.7	4.3	7.3	5.9
RHAMBLER 2 SRP (LSD)	6.3	7.3	3.3	7.0	7.3	8.0	5.0	5.3	4.3	4.3	7.0	5.9
SWAGGER (PST-5R05)	6.0	6.0	4.0	6.3	7.0	7.0	5.3	5.3	5.0	4.0	7.3	5.9
WICHITA (PPG-TF-151)	6.7	7.0	4.3	7.0	7.3	7.0	5.3	5.3	4.7	4.7	7.0	5.9
FIREBIRD 2	6.3	7.0	5.0	6.3	7.0	7.0	5.7	5.3	4.0	4.7	6.7	5.8
FRONTLINE (EXP TF-09)	7.0	8.0	4.7	6.7	7.0	7.7	4.7	5.0	4.7	4.3	7.0	5.8
K12-13	6.0	6.3	4.3	7.0	7.0	7.7	5.7	5.0	3.7	4.0	7.3	5.8
PPG-TF-115	7.0	6.7	4.3	6.7	7.3	7.3	5.3	5.0	4.7	4.3	6.7	5.8
PSG-8BP2	6.0	6.3	4.0	6.3	7.3	7.7	5.0	4.7	4.7	4.0	7.3	5.8
PSG-GSD	6.0	7.3	4.3	6.7	6.7	7.3	5.3	5.0	4.7	4.7	6.7	5.8
PSG-TT4	6.0	5.7	4.7	6.0	7.0	7.7	5.7	5.7	5.0	3.7	6.0	5.8
SCREAMER LS (PPG-TF-148)	6.3	6.7	4.3	6.3	6.3	7.0	5.7	5.7	4.3	4.3	7.0	5.8
FALCON IV	6.3	8.0	4.3	7.3	6.7	7.3	4.7	5.0	4.7	4.7	7.0	5.7
PST-5BPO	5.7	7.0	4.3	6.7	7.7	8.0	5.7	5.0	4.0	3.7	6.0	5.7
WARHAWK	6.3	7.7	5.0	6.7	6.7	7.0	5.3	5.7	4.7	4.0	6.3	5.7
CATALYST	6.3	7.7	4.7	6.7	6.7	7.0	5.3	4.7	4.3	4.0	7.3	5.6
RAIN DANCE (PST-5SDT)	6.3	6.7	4.3	6.7	7.0	7.3	5.0	5.0	4.3	4.0	6.7	5.6
TERRANO	7.0	7.3	4.3	6.3	7.0	7.3	5.3	5.0	4.7	3.7	6.0	5.6
AQUADUCT	6.7	7.7	4.7	7.0	6.3	6.7	5.0	5.0	4.7	4.0	6.7	5.5
PST-5EX2	6.0	6.7	4.0	6.7	6.3	7.0	4.7	5.0	4.7	4.3	6.7	5.5
JS 825	6.3	7.0	4.0	6.7	6.3	6.7	5.0	5.0	4.3	4.0	6.3	5.4
BAR FA 120878	5.7	6.0	4.7	6.0	5.0	6.0	4.3	5.0	4.0	3.7	6.0	4.9
KY-31	4.0	6.0	4.3	5.7	4.0	4.7	3.7	3.3	2.0	1.0	3.7	3.2
LSD VALUE	1.4	2.5	2.1	3.1	1.4	1.5	1.3	1.6	1.5	1.2	1.4	0.7
C.V. (%)	8.7	11.7	13.4	9.5	9.6	9.5	10.9	11.0	13.1	13.4	9.8	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 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 IN THE 2012 NATIONAL TALL FESCUE TEST AT GROWN UNDER SHADE AT CARBONDALE, IL 1/
 2017 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/									
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
ROWDY (SRX-TPC)	4.0	6.0	7.0	8.0	8.0	9.0	8.0	6.3	7.0	7.0
TITANIUM 2LS (PPG-TF-152)	5.0	5.7	7.0	7.3	7.0	7.3	7.3	7.0	7.0	6.7
ANNIHILATOR	6.0	7.3	7.0	6.0	5.7	6.0	7.7	7.0	6.7	6.6
ATF 1612	4.3	7.0	6.3	6.0	6.0	6.7	7.0	7.7	7.3	6.5
GTO (BURL TF-2)	5.0	6.0	6.3	7.0	5.7	7.0	8.0	7.0	6.3	6.5
MICHELANGELO (LTP-F5DPDR)	4.0	6.0	7.0	6.0	7.0	7.3	7.0	7.3	7.0	6.5
MEMPHIS (GO-DFR)	5.0	5.0	6.0	6.0	6.0	7.0	8.0	7.0	7.3	6.4
FAITH	4.0	5.0	6.0	6.0	6.0	7.3	8.0	7.0	6.7	6.2
REBOUNDER (PICK-W43)	4.0	7.0	6.3	6.3	5.3	6.3	7.0	6.3	7.0	6.2
W41	4.0	5.3	7.3	6.3	6.0	7.0	7.0	6.7	6.3	6.2
CROSSFIRE 4 (IS-TF 310 SEL)	4.0	5.0	6.0	6.3	6.7	7.0	7.0	6.7	6.3	6.1
GRANDE 3	5.0	5.0	6.0	6.0	6.0	7.0	7.0	6.3	6.3	6.1
OLYMPUS (RAD-TF-88)	5.0	5.0	5.7	5.7	6.7	7.3	7.3	6.3	6.3	6.1
SCREAMER LS (PPG-TF-148)	3.3	4.7	6.3	5.0	6.3	7.7	8.7	6.3	6.7	6.1
VALKYRIE LS (PPG-TF-172)	4.0	5.3	5.0	6.0	5.7	7.3	8.0	7.3	6.7	6.1
FALCON IV	5.0	6.0	6.3	5.7	7.3	7.0	5.0	5.7	6.0	6.0
SUPERSONIC (PPG-TF-170)	4.0	5.3	4.7	7.0	7.0	7.0	6.7	6.7	5.7	6.0
4TH MILLENNIUM SRP (U43)	3.3	3.7	5.0	5.7	6.0	6.7	7.7	7.0	7.7	5.9
BIZEM	4.3	5.0	7.0	5.7	6.0	6.7	7.3	6.0	5.0	5.9
BULLSEYE	4.0	6.0	7.0	6.3	5.7	4.7	7.3	6.3	5.7	5.9
MERIDIAN (PST-5GRB)	3.7	4.7	6.0	6.3	5.7	7.0	6.7	7.0	6.3	5.9
BAR FA 121095	4.0	4.0	6.0	6.0	6.0	6.0	7.0	6.7	6.3	5.8
FIRECRACKER SLS (PPG-TF-105)	4.0	5.0	6.0	6.0	6.0	6.0	5.7	6.3	6.3	5.7
IS-TF 308 SEL	3.0	5.3	4.7	6.0	5.7	6.7	7.0	6.0	6.0	5.6
K12-MCD	5.0	5.0	5.0	5.0	5.7	6.3	6.3	5.7	6.0	5.6
TEMPTATION (OR-21)	4.0	5.0	5.3	5.3	6.0	6.0	6.0	6.0	6.3	5.6
IS-TF 269 SEL	3.0	4.0	5.3	6.0	6.3	6.0	6.3	6.3	6.0	5.5
PST-5MVD	4.0	4.0	5.3	5.7	6.0	5.7	6.3	6.0	6.3	5.5
XTENDER (PPG-TF-139)	4.0	5.3	5.3	5.7	5.0	6.0	6.0	6.0	6.3	5.5
JS 819	4.0	5.0	5.3	5.3	5.3	6.3	6.0	6.0	5.3	5.4
JS 916	4.0	5.0	5.3	5.0	5.3	5.3	6.0	6.3	6.0	5.4
MET 1	4.0	5.3	4.7	6.0	5.3	5.7	5.0	6.3	6.0	5.4
MET-3	3.3	4.7	5.0	5.3	5.3	6.3	6.0	7.0	6.0	5.4
PST-5DZP	4.0	5.0	5.3	5.0	5.0	6.0	6.7	6.0	6.0	5.4
THUNDERSTRUCK (TD1)	4.3	4.7	5.3	5.7	5.3	6.0	6.3	5.7	5.0	5.4
TRAVERSE 2 SRP (W45)	4.0	5.0	5.3	6.0	5.3	6.0	5.0	6.0	6.3	5.4
BAR FA 121089	3.3	5.3	4.7	5.3	5.0	6.0	5.7	6.3	6.3	5.3
RAIN DANCE (PST-5SDT)	4.0	4.0	5.0	5.3	5.7	6.0	6.0	6.0	6.0	5.3
IS-TF 272	3.0	5.0	5.3	5.3	5.0	5.3	6.3	5.7	6.0	5.2
HEMI	3.0	4.0	4.0	5.7	6.0	6.0	6.0	6.0	5.7	5.1
JS 809	4.0	4.0	6.0	5.0	5.0	6.3	5.0	5.3	5.0	5.1
TEMPLE (DZ1)	3.0	4.0	5.0	6.0	5.7	5.7	6.0	5.0	5.3	5.1
B23	3.0	5.0	4.7	5.3	5.0	6.3	5.7	5.0	5.0	5.0
BAR FA 121091	3.3	4.0	5.0	5.0	4.7	5.0	6.3	6.0	5.7	5.0
HOVER (BURL TF-69)	4.0	4.3	4.0	4.0	4.3	6.3	6.3	6.0	5.7	5.0

TABLE 6.
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT GROWN UNDER SHADE AT CARBONDALE, IL 1/
2017 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/									MEAN
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
JS 825	4.0	5.0	5.3	5.3	5.0	5.3	5.0	5.0	5.3	5.0
ATF 1704	3.0	4.3	4.3	5.0	4.7	6.3	4.7	5.3	6.0	4.9
AVENGER II (PPG-TF-156)	3.0	3.0	5.0	6.0	5.0	5.0	5.3	5.3	6.0	4.9
COMP. RES. SST	3.3	4.3	5.3	5.0	4.7	5.0	5.7	5.3	5.3	4.9
K12-05	4.0	4.0	4.0	4.0	5.0	5.3	6.0	6.3	5.3	4.9
MAESTRO (T31)	4.0	4.3	5.0	5.0	5.0	5.3	4.7	5.3	5.3	4.9
PSG-GSD	3.0	4.0	5.3	5.0	4.7	5.3	5.0	6.0	5.3	4.9
PST-5BRK	3.3	3.0	5.3	6.0	5.3	5.0	6.0	5.3	5.0	4.9
ROCKWELL (LTP-TWUU)	3.0	4.0	5.0	5.0	5.3	5.3	5.3	5.3	5.3	4.9
SALTILLO (PST-5SALT)	3.0	3.3	5.0	5.0	4.7	5.3	6.0	6.0	6.0	4.9
HOUNDOG8 (IS-TF 307 SEL)	3.0	4.3	5.7	5.3	4.7	5.3	4.7	5.0	5.0	4.8
KINGDOM (DB1)	4.0	4.0	4.7	5.3	5.0	5.0	4.7	5.3	5.0	4.8
MARAUDER	2.3	4.0	3.7	5.0	4.0	6.3	5.3	6.0	6.3	4.8
THOR (PPG-TF-157)	3.0	4.3	4.0	5.7	4.7	4.7	5.7	6.3	5.0	4.8
TURFWAY (IS-TF 282 M2)	3.0	4.3	4.0	5.3	4.0	4.3	6.3	5.3	6.3	4.8
ATF 1736	3.0	3.0	4.3	5.3	4.0	4.7	5.0	6.0	5.7	4.6
CAESAR (TY 10)	4.0	4.3	4.7	4.3	5.0	5.0	4.3	5.0	5.0	4.6
FOXHOUND (IS-TF 284 M2)	3.7	3.3	4.7	4.3	4.3	4.3	4.7	6.0	5.3	4.5
BAR FA 120878	2.0	5.0	4.0	3.7	4.0	5.3	6.0	5.0	4.3	4.4
HOT ROD (BURL TF-136)	3.0	3.0	4.0	4.7	4.0	5.3	5.0	5.3	5.0	4.4
LEONARDO (LTP-FSD)	2.3	3.0	3.7	5.0	5.0	5.3	5.0	5.3	4.7	4.4
PST-5EX2	2.0	2.7	4.3	5.3	4.7	5.0	5.0	5.3	5.3	4.4
AMITY (CCR2)	2.3	3.7	3.7	5.0	3.7	4.3	6.0	5.0	5.3	4.3
JS 818	3.3	3.0	5.0	4.3	4.3	5.0	4.0	4.3	5.0	4.3
F711	3.0	3.0	3.0	4.3	4.0	4.3	5.0	5.0	6.0	4.2
PARAMOUNT (PPG-TF-137)	2.0	3.0	4.7	4.7	4.7	4.7	4.7	5.0	4.7	4.2
SWAGGER (PST-5R05)	2.0	2.7	4.0	4.0	4.3	4.7	5.0	6.0	5.0	4.2
DYNAMITE LS (PPG-TF-145)	2.0	4.0	4.0	4.3	4.0	5.3	4.3	4.3	4.3	4.1
FRONTLINE (EXP TF-09)	3.0	4.0	4.3	4.0	4.3	4.3	3.7	5.0	4.3	4.1
KY-31	2.0	3.3	4.0	4.3	4.3	4.7	5.3	5.0	4.3	4.1
TECHNIQUE (RZ2)	2.0	3.7	4.0	4.3	4.3	4.7	4.3	5.0	5.0	4.1
TERRANO	3.0	3.3	3.3	4.0	4.0	5.0	4.7	5.3	4.3	4.1
CATALYST	2.7	3.7	4.3	4.0	4.3	4.3	4.3	4.3	4.3	4.0
DIABLO (IS-TF 330)	2.0	3.3	3.7	4.0	4.0	4.7	5.3	5.0	4.3	4.0
FIREBIRD 2	2.0	2.7	4.3	3.7	4.0	3.7	5.0	5.7	4.7	4.0
NIGHTCRAWLER (IS-TF 285)	2.0	3.7	4.0	5.0	3.7	3.7	4.7	4.7	5.0	4.0
PSG-TT4	2.7	2.3	4.0	4.3	4.0	4.7	5.0	5.0	4.0	4.0
ATF 1754	2.0	3.3	2.7	3.0	4.0	5.0	5.0	4.7	5.0	3.9
EMBRACE (PST-5EV2)	3.0	2.7	4.0	3.7	3.7	4.0	4.3	4.7	4.7	3.9
WARHAWK	3.3	3.7	3.3	3.0	4.3	4.7	4.0	4.3	4.3	3.9
K12-13	2.0	3.0	4.0	4.0	4.0	4.3	5.0	4.0	3.7	3.8
RHIZING MOON (IS-TF 305 SEL)	3.0	3.0	4.0	4.0	4.3	4.3	3.3	4.0	4.0	3.8
WICHITA (PPG-TF-151)	2.0	3.0	4.3	4.0	4.0	4.3	4.3	4.3	4.0	3.8
BLOODHOUND (MET 6 SEL)	2.0	2.7	4.3	4.0	3.7	4.0	4.0	4.7	4.0	3.7
REGENERATE	2.3	3.0	3.3	4.0	3.3	4.3	3.3	4.3	4.0	3.6

TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT GROWN UNDER SHADE AT CARBONDALE, IL 1/
 2017 DATA

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

NAME	QUALITY RATINGS									MEAN
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
FALCON V	3.0	3.0	3.3	4.0	4.0	3.3	3.0	4.0	3.0	3.4
RAD-TF-83	1.3	2.0	3.3	3.3	3.0	4.0	5.3	5.0	3.7	3.4
BLACK TAIL (PPG-TF-150)	2.0	3.0	3.0	3.0	3.0	3.3	4.0	4.0	4.0	3.3
AQUADUCT	2.0	3.0	3.7	3.0	3.0	4.3	2.7	3.3	4.0	3.2
FAYETTE (IS-TF 291)	1.3	2.7	3.0	3.3	3.0	3.3	3.0	4.3	5.0	3.2
IS-TF-287	2.0	2.0	3.0	3.3	3.0	2.3	4.3	3.7	4.7	3.1
PST-5BP0	2.0	2.7	4.0	3.0	3.0	3.3	3.3	3.0	3.3	3.1
RAD-TF-92	1.7	3.0	3.0	2.7	3.0	2.7	4.0	3.7	2.7	2.9
REFLECTION (U45)	2.0	2.0	2.7	2.7	3.0	3.3	3.0	4.0	3.3	2.9
RHAMBLER 2 SRP (LSD)	2.0	2.0	2.7	2.7	3.0	2.7	3.0	4.0	3.7	2.9
UNITUS (IS-TF 289)	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.3	3.3	2.9
PPG-TF-115	1.7	2.0	3.0	2.7	3.3	2.7	3.3	3.3	3.3	2.8
PSG-8BP2	2.0	2.3	2.3	2.7	3.3	3.0	4.0	3.0	2.3	2.8
ARES (PPG-TF-142)	2.0	2.0	2.3	3.0	2.7	3.3	3.3	2.7	3.0	2.7
INSPIRATION (PST-R5NW)	2.0	2.0	3.0	3.0	2.7	3.0	3.0	3.0	3.0	2.7
PPG-TF-169	1.7	1.7	3.3	2.7	3.0	2.7	3.0	3.0	3.0	2.7
FESNOVA	1.0	1.0	2.3	3.3	3.0	3.3	3.3	3.0	3.0	2.6
PPG-TF-135	2.0	2.0	1.7	2.0	3.0	2.7	3.3	3.3	3.3	2.6
204 RES. BLK4	1.3	1.3	2.3	2.3	3.0	2.7	3.3	3.3	3.0	2.5
PPG-TF-138	1.3	2.3	2.7	3.0	2.7	3.0	3.0	2.7	2.0	2.5
RAD-TF-89	1.3	1.7	2.0	2.3	3.0	3.0	3.0	3.0	2.3	2.4
IS-TF 276 M2	2.0	2.0	2.3	2.0	2.3	3.0	2.3	2.3	2.0	2.3
PSG-P01	1.3	1.3	1.7	2.0	2.3	3.0	3.0	3.3	3.0	2.3
RAPTOR III (ZW 44)	2.0	2.3	2.0	2.3	2.0	2.0	2.3	2.3	2.3	2.2
FIREWALL (PSG-WE1)	1.3	1.3	2.0	2.0	2.0	2.3	2.0	2.7	2.3	2.0
IS-TF 311	1.0	1.0	1.7	2.0	1.3	2.0	1.3	1.3	1.3	1.4
LSD VALUE	0.6	0.9	0.9	0.9	0.8	1.0	1.1	0.9	0.9	0.5
C.V. (%)	13.3	16.6	13.4	13.4	11.8	12.9	14.7	12.2	12.1	7.9

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 TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT WEST LAFAYETTE, IN 1/
2017 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/										
	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	MAY	JUN	JUL	QUALITY RATINGS				MEAN
							AUG	SEP	OCT	NOV	
AVENGER II (PPG-TF-156)	7.0	7.0	6.7	7.0	7.7	7.0	7.3	7.3	8.0	7.3	7.4
PARAMOUNT (PPG-TF-137)	7.0	6.7	6.7	6.7	7.3	7.0	7.7	7.0	8.0	8.0	7.4
4TH MILLENNIUM SRP (U43)	6.7	6.7	6.7	7.0	7.3	7.3	7.0	7.7	7.3	7.3	7.3
AMITY (CCR2)	6.7	6.7	6.7	6.7	7.0	6.7	7.3	7.7	8.0	7.7	7.3
MET 1	7.0	6.7	6.7	6.3	7.0	7.3	7.0	7.7	8.0	7.7	7.3
PST-5DZP	7.0	7.0	7.7	7.3	7.3	7.7	7.0	7.3	7.0	7.3	7.3
RAPTOR III (ZW 44)	7.0	7.3	7.0	7.0	7.7	7.0	7.3	7.3	7.3	7.7	7.3
REGENERATE	7.0	6.7	7.3	7.0	7.3	7.3	7.3	7.3	7.3	7.7	7.3
IS-TF 311	7.0	7.0	7.0	7.3	7.0	7.0	7.0	7.3	7.3	7.7	7.2
MAESTRO (T31)	7.0	7.0	7.0	6.7	7.0	7.7	7.0	7.3	7.3	7.7	7.2
PPG-TF-169	6.7	7.0	6.7	7.0	7.3	7.0	7.0	7.0	7.3	7.7	7.2
REFLECTION (U45)	6.7	7.3	7.3	7.0	7.3	7.0	7.0	7.0	7.7	7.7	7.2
SCREAMER LS (PPG-TF-148)	7.0	7.0	7.0	6.7	7.0	7.3	7.3	7.3	7.3	7.7	7.2
B23	7.0	7.0	7.0	7.0	7.0	7.3	7.3	6.7	7.3	7.3	7.1
F711	6.7	6.7	7.7	7.0	6.7	6.7	7.3	7.3	7.3	7.7	7.1
FIREBIRD 2	7.0	7.3	7.3	7.0	7.0	7.0	7.0	7.3	7.0	7.7	7.1
HEMI	7.0	7.0	7.7	7.0	7.3	7.0	7.3	7.0	7.0	7.0	7.1
HOT ROD (BURL TF-136)	7.0	6.7	7.3	6.7	7.0	7.0	7.7	7.3	7.3	6.7	7.1
IS-TF 269 SEL	7.0	7.3	7.0	6.7	7.0	7.0	7.0	7.3	7.3	7.3	7.1
MET-3	6.7	6.7	7.3	6.7	7.0	7.0	7.0	7.7	7.3	7.3	7.1
NIGHTCRAWLER (IS-TF 285)	7.0	7.3	7.3	7.3	7.0	7.0	7.0	7.0	7.3	7.3	7.1
PPG-TF-135	7.0	6.3	7.0	6.7	7.7	7.0	7.0	7.3	7.0	7.3	7.1
PST-5BP0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.7	7.1
SALTILLO (PST-5SALT)	6.7	7.0	6.7	7.3	7.0	6.7	7.0	6.7	8.0	7.3	7.1
W41	7.0	7.0	7.0	7.3	7.0	7.0	7.0	7.0	7.0	7.3	7.1
ATF 1612	7.0	7.0	6.7	7.0	6.7	7.0	7.0	7.0	7.0	7.3	7.0
ATF 1754	7.0	5.7	6.7	6.3	7.0	7.0	7.0	7.0	7.0	7.7	7.0
BIZEM	7.0	7.3	6.3	6.7	7.0	7.0	7.0	7.0	7.3	7.3	7.0
BLACK TAIL (PPG-TF-150)	7.0	6.0	7.0	7.0	7.0	6.7	7.0	6.7	7.3	7.3	7.0
BLOODHOUND (MET 6 SEL)	7.0	6.3	6.7	6.7	7.0	7.0	7.0	7.3	7.0	7.3	7.0
CATALYST	7.0	7.0	6.3	6.7	6.7	7.3	7.0	7.0	7.3	7.0	7.0
DIABLO (IS-TF 330)	7.0	6.3	6.7	6.7	7.0	7.0	7.0	7.0	6.7	7.3	7.0
EMBRACE (PST-5EV2)	7.0	6.3	6.7	7.0	7.0	6.7	7.0	7.0	7.3	7.0	7.0
FIRECRACKER SLS (PPG-TF-105)	7.0	6.7	7.0	7.0	7.3	7.0	7.0	7.0	6.7	7.0	7.0
GRANDE 3	6.7	6.7	6.0	6.3	6.3	7.0	7.0	7.0	7.3	7.7	7.0
HOUNDOG8 (IS-TF 307 SEL)	7.0	7.0	6.7	6.7	7.3	7.0	7.3	7.0	7.0	7.0	7.0
IS-TF 308 SEL	7.3	7.0	7.3	6.7	7.0	7.3	7.0	7.0	7.0	7.0	7.0
JS 916	7.0	6.7	6.7	6.7	7.3	6.7	7.0	7.0	7.3	7.0	7.0
K12-MCD	6.7	7.7	7.0	6.7	7.0	7.3	7.0	6.7	7.3	7.3	7.0
LEONARDO (LTP-FSD)	7.0	6.7	6.7	6.7	7.0	7.0	7.0	6.7	7.3	7.0	7.0
MERIDIAN (PST-5GRB)	6.7	7.7	7.3	7.3	6.7	6.3	6.7	7.0	7.3	7.3	7.0
MICHELANGELO (LTP-F5DPDR)	7.3	6.7	6.0	6.3	7.0	7.0	7.0	7.0	7.7	7.3	7.0
PPG-TF-138	7.0	7.0	6.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
PSG-PO1	6.7	6.7	6.3	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0
PSG-TT4	6.3	6.7	7.3	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT WEST LAFAYETTE, IN 1/
2017 DATA

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

NAME	QUALITY RATINGS										
	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PST-5BRK	7.0	6.0	7.3	6.7	7.0	7.0	7.0	7.3	7.0	7.3	7.0
PST-5MVD	7.0	6.3	6.3	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0
ROCKWELL (LTP-TWUU)	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.3	7.0
ROWDY (SRX-TPC)	7.0	6.7	6.7	7.0	6.7	7.3	7.0	7.3	7.0	7.0	7.0
SUPERSONIC (PPG-TF-170)	7.0	6.7	6.3	6.7	7.0	7.0	7.0	7.0	7.0	7.3	7.0
TECHNIQUE (RZ2)	7.0	7.0	7.3	6.3	7.0	7.0	6.7	7.3	7.3	7.0	7.0
TEMPLE (DZ1)	7.0	6.7	7.0	6.7	6.7	7.0	7.0	7.0	7.3	7.0	7.0
THOR (PPG-TF-157)	6.7	7.0	7.0	6.7	7.0	6.7	7.0	6.7	7.3	7.3	7.0
TITANIUM 2LS (PPG-TF-152)	7.3	7.0	8.0	6.7	6.7	6.7	7.0	6.7	7.7	7.7	7.0
UNITUS (IS-TF 289)	7.0	7.0	6.7	6.3	6.7	7.0	7.0	7.3	7.3	7.3	7.0
VALKYRIE LS (PPG-TF-172)	7.0	7.3	6.7	6.7	7.0	7.3	7.0	7.3	7.0	7.0	7.0
ATF 1704	7.0	7.0	7.0	6.3	7.0	7.0	7.0	6.7	7.0	7.0	6.9
GTO (BURL TF-2)	7.0	6.7	7.0	6.7	7.0	7.0	7.0	6.7	7.0	7.0	6.9
PPG-TF-115	7.0	6.7	6.3	7.0	7.0	7.0	6.3	7.0	7.0	7.0	6.9
REBOUNDER (PICK-W43)	7.0	6.0	6.3	6.3	6.7	6.7	7.3	7.0	7.3	7.0	6.9
RHIZING MOON (IS-TF 305 SEL)	7.0	6.7	7.0	6.3	6.7	7.0	7.0	7.0	7.0	7.0	6.9
TRAVERSE 2 SRP (W45)	7.0	6.3	6.3	6.7	7.0	6.7	6.7	7.0	7.0	7.3	6.9
CROSSFIRE 4 (IS-TF 310 SEL)	7.0	6.7	7.3	7.0	6.7	6.7	6.7	6.3	7.0	7.0	6.8
DYNAMITE LS (PPG-TF-145)	7.0	7.0	7.0	6.7	6.7	6.7	7.0	7.0	6.7	7.0	6.8
FALCON IV	7.0	6.3	6.7	6.3	6.7	7.0	7.0	6.7	7.0	7.0	6.8
FAYETTE (IS-TF 291)	6.7	7.0	7.0	6.7	6.7	6.7	7.0	6.3	7.0	7.0	6.8
FESNOVA	7.0	6.7	6.3	6.0	7.0	6.7	7.0	7.0	7.0	7.0	6.8
HOVER (BURL TF-69)	7.0	7.7	6.7	6.7	6.7	6.7	6.7	7.0	6.7	7.0	6.8
MEMPHIS (GO-DFR)	6.7	7.3	7.0	7.0	7.0	6.7	7.0	6.3	6.7	7.0	6.8
PSG-GSD	7.0	6.7	7.0	6.3	7.0	7.0	7.0	6.7	6.3	7.0	6.8
REBEL V (ATF 1736)	7.0	6.3	6.7	6.7	6.7	7.0	7.0	6.7	7.0	6.7	6.8
THUNDERSTRUCK (TD1)	7.0	7.3	7.0	6.3	7.3	6.7	6.7	6.7	6.7	7.0	6.8
TURFWAY (IS-TF 282 M2)	7.0	7.0	6.7	6.7	7.3	7.0	6.7	7.0	6.3	6.7	6.8
WICHITA (PPG-TF-151)	7.0	6.3	7.0	6.0	6.3	7.0	7.0	6.7	7.0	7.3	6.8
XTENDER (PPG-TF-139)	7.3	7.3	6.3	6.7	6.3	6.7	6.7	6.7	7.0	7.3	6.8
AQUADUCT	6.3	6.0	6.7	6.3	6.3	7.0	7.0	6.3	7.0	6.7	6.7
ARES (PPG-TF-142)	6.7	6.3	6.3	6.3	7.0	7.0	6.7	6.7	6.3	7.0	6.7
FALCON V	7.0	6.7	6.0	6.7	6.3	6.7	6.7	6.3	7.0	7.0	6.7
FIREWALL (PSG-WE1)	7.0	6.3	6.3	6.3	6.3	7.0	6.3	7.0	6.7	7.0	6.7
IS-TF 272	6.7	7.0	7.0	6.3	7.0	7.0	7.0	6.0	6.7	6.7	6.7
IS-TF 276 M2	6.7	6.7	6.7	6.3	7.0	6.3	6.7	6.7	6.7	7.0	6.7
JS 819	6.7	6.3	6.7	6.3	6.7	7.0	7.0	6.7	6.3	6.7	6.7
K12-05	7.0	7.0	6.7	6.7	6.7	6.7	7.0	6.3	6.7	7.0	6.7
KINGDOM (DB1)	7.0	7.0	7.3	6.7	7.0	6.7	6.7	6.7	6.3	7.0	6.7
PSG-8BP2	6.7	6.7	7.3	6.7	7.0	7.0	6.3	6.3	6.7	6.7	6.7
RAD-TF-92	6.7	6.3	5.7	6.3	7.0	6.3	7.0	6.7	6.7	7.0	6.7
SWAGGER (PST-5R05)	6.7	6.3	6.7	6.3	7.0	7.0	6.7	6.3	6.7	7.0	6.7
BAR FA 121095	6.5	6.0	6.5	6.0	6.5	7.0	7.0	6.0	7.0	7.0	6.6
CAESAR (TY 10)	6.7	6.0	6.7	6.7	6.3	6.7	6.7	6.3	6.7	7.0	6.6
FOXHOUND (IS-TF 284 M2)	6.7	6.3	5.7	6.7	6.3	6.7	7.0	6.7	6.0	6.7	6.6

TABLE 7.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT WEST LAFAYETTE, IN 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	QUALITY RATINGS							MEAN
				MAY	JUN	JUL	AUG	SEP	OCT	NOV	
OLYMPUS (RAD-TF-88)	7.0	6.7	6.0	6.7	7.0	6.3	6.7	6.3	6.0	7.0	6.6
PST-5EX2	6.7	5.7	6.0	6.0	6.7	6.3	6.7	6.7	6.7	7.0	6.6
RAD-TF-83	6.7	6.0	6.7	6.3	6.3	7.0	6.7	6.7	6.3	6.7	6.6
RAD-TF-89	6.0	6.3	6.3	6.0	6.7	6.7	6.7	6.3	6.7	7.0	6.6
RHAMBLER 2 SRP (LSD)	7.0	7.0	6.3	6.3	6.7	7.0	6.3	6.7	6.3	7.0	6.6
TEMPTATION (OR-21)	7.0	6.3	6.7	6.7	6.7	7.0	6.3	6.3	6.0	7.0	6.6
BULLSEYE	7.0	7.0	6.3	6.0	6.3	6.3	6.7	6.7	7.0	6.7	6.5
COMP. RES. SST	5.7	6.7	6.3	6.0	6.7	7.0	6.3	6.0	6.7	7.0	6.5
FAITH	7.0	6.0	6.0	6.3	6.0	6.3	6.7	6.3	7.0	7.0	6.5
INSPIRATION (PST-R5NW)	7.0	6.7	6.7	6.7	6.0	6.3	6.7	6.3	6.7	7.0	6.5
IS-TF-287	6.3	5.3	6.3	6.0	6.0	6.7	7.0	6.3	6.7	7.0	6.5
JS 818	6.7	6.0	6.7	6.3	6.7	6.3	6.7	6.3	6.0	7.0	6.5
K12-13	7.0	6.7	6.3	6.3	6.3	7.0	6.3	6.3	6.0	7.0	6.5
MARAUDER	7.0	7.0	6.7	6.3	6.7	6.7	6.7	6.0	6.3	6.7	6.5
TERRANO	6.7	5.7	5.7	5.7	6.3	6.3	7.0	6.3	7.0	7.0	6.5
BAR FA 121089	6.7	6.0	6.3	6.3	6.3	6.7	6.3	6.0	6.3	7.0	6.4
FRONTLINE (EXP TF-09)	6.3	6.3	6.0	6.0	6.3	6.7	6.7	6.3	6.0	7.0	6.4
JS 809	6.7	6.7	6.0	6.3	6.7	6.7	6.3	6.0	6.3	6.7	6.4
RAIN DANCE (PST-5SDT)	6.7	6.3	7.0	6.7	6.3	6.3	6.3	6.0	6.7	6.3	6.4
204 RES. BLK4	6.7	6.7	6.7	5.7	6.7	6.7	6.3	5.3	6.3	7.3	6.3
BAR FA 120878	6.3	4.7	6.0	5.0	6.3	7.0	6.3	5.7	6.7	7.0	6.3
ANNIHILATOR	6.3	6.3	5.7	5.3	6.7	6.0	6.3	5.7	6.3	6.7	6.1
BAR FA 121091	6.0	5.3	6.0	5.3	6.0	6.3	6.3	6.0	6.3	6.3	6.1
JS 825	6.7	6.3	6.3	6.7	6.3	5.7	6.3	5.7	6.0	6.0	6.1
WARHAWK	6.3	6.0	5.7	6.0	6.0	5.7	6.0	6.0	6.0	6.3	6.0
KY-31	3.3	3.0	4.0	3.7	3.0	4.0	4.0	4.0	4.0	5.3	4.0
LSD VALUE	0.7	1.0	1.4	1.2	1.0	0.9	0.7	0.8	0.8	0.9	0.4
C.V. (%)	5.8	8.7	9.9	9.1	7.8	7.1	5.8	7.4	6.8	6.3	3.9

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 AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT WICHITA (BROWN PATCH STUDY), KS 1/
2017 DATA

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

NAME	QUALITY RATINGS											MEAN
	SPRING GREENUP	LEAF TEXTURE	BROWN PATCH WARM TEMP.	FALL COLOR NOVEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	
IS-TF 308 SEL	5.0	6.7	5.3	4.7	6.0	6.0	6.0	5.3	5.7	5.3	6.7	5.9
TITANIUM 2LS (PPG-TF-152)	5.7	6.0	4.7	4.3	6.3	6.0	5.7	6.0	4.3	5.0	6.7	5.7
GTO (BURL TF-2)	5.3	6.0	5.0	4.7	6.3	5.3	5.0	5.3	5.7	5.3	6.0	5.6
KINGDOM (DB1)	4.0	5.7	5.0	5.0	6.3	6.0	5.7	5.7	5.0	5.0	5.7	5.6
LEONARDO (LTP-FSD)	5.7	5.7	5.7	5.0	5.3	5.7	5.3	6.0	5.3	5.0	6.3	5.6
MAESTRO (T31)	6.0	6.0	5.0	4.7	6.0	5.3	5.3	5.7	4.7	5.3	6.7	5.6
MET 1	6.7	7.0	5.3	5.7	6.0	5.3	4.7	5.0	5.7	5.3	7.3	5.6
MICHELANGELO (LTP-F5DPDR)	5.3	5.7	5.3	4.7	5.3	5.3	5.3	6.0	5.3	4.7	7.0	5.6
PARAMOUNT (PPG-TF-137)	6.0	6.7	5.7	4.7	5.0	5.7	5.0	6.0	5.7	5.0	7.0	5.6
PPG-TF-135	6.3	6.0	5.3	4.7	5.7	5.7	5.7	5.7	5.3	5.0	6.3	5.6
PSG-P01	5.3	7.0	5.3	5.0	5.3	5.3	5.7	5.7	5.3	5.7	6.3	5.6
RAPTOR III (ZW 44)	6.0	6.7	4.7	4.3	5.3	5.7	5.7	6.0	5.0	4.7	6.7	5.6
REBOUNDER (PICK-W43)	5.7	6.7	5.3	4.7	6.0	4.7	5.7	5.0	5.0	5.7	7.0	5.6
REFLECTION (U45)	6.0	6.7	5.0	5.3	6.0	5.3	4.7	5.3	5.3	5.3	7.0	5.6
TEMPLE (DZ1)	5.0	6.7	5.3	5.0	5.3	5.0	4.7	5.7	6.0	5.3	7.0	5.6
XTENDER (PPG-TF-139)	6.0	6.0	5.0	4.7	6.0	6.0	5.3	5.3	4.7	5.0	6.7	5.6
BIZEM	5.7	6.7	4.7	4.3	5.7	5.7	5.7	5.7	4.3	5.0	6.3	5.5
BLACK TAIL (PPG-TF-150)	6.0	7.3	4.7	4.7	6.3	5.7	5.3	5.0	4.3	5.0	6.7	5.5
HOUND08 (IS-TF 307 SEL)	5.7	6.3	4.3	4.7	6.7	5.7	5.3	5.0	4.7	5.3	5.7	5.5
JS 916	5.3	6.3	4.7	4.7	5.7	5.0	5.0	5.7	5.3	5.3	6.3	5.5
REGENERATE	5.7	6.7	5.0	5.0	5.7	5.0	5.3	5.3	5.3	5.0	6.7	5.5
ROCKWELL (LTP-TWUU)	5.7	6.7	5.3	5.0	5.7	5.3	5.3	5.0	5.3	5.0	7.0	5.5
TRAVERSE 2 SRP (W45)	5.7	7.3	4.3	4.0	6.0	5.7	5.3	5.3	4.3	5.0	6.7	5.5
BLOODHOUND (MET 6 SEL)	6.3	6.3	4.7	5.7	5.7	5.7	4.7	5.0	4.7	5.3	6.7	5.4
F711	6.0	6.3	5.0	4.7	5.7	5.3	5.0	5.0	5.0	5.3	6.7	5.4
FAYETTE (IS-TF 291)	4.7	6.3	5.0	4.3	5.7	5.0	5.0	5.7	5.0	5.3	6.0	5.4
FIREBIRD 2	6.0	5.7	4.3	4.3	6.0	6.0	5.3	5.0	4.7	4.7	6.0	5.4
K12-05	5.0	6.3	4.3	3.0	5.0	6.0	6.3	5.0	4.7	4.7	6.3	5.4
PPG-TF-169	5.7	6.0	5.7	5.3	5.3	4.3	4.7	5.3	5.7	5.7	7.0	5.4
ATF 1612	5.7	6.7	4.7	4.0	6.3	5.3	5.3	4.7	4.7	5.3	5.3	5.3
ATF 1754	6.0	6.3	4.7	5.3	5.7	5.0	5.0	5.3	4.7	5.0	6.7	5.3
FALCON V	4.7	5.7	5.0	5.3	5.3	5.0	5.0	5.3	5.3	5.0	6.0	5.3
FIREWALL (PSG-WE1)	6.0	7.0	4.3	4.3	6.3	5.0	4.7	5.0	4.7	5.0	6.7	5.3
GRANDE 3	5.3	6.0	5.3	5.3	5.0	5.3	4.7	5.3	5.3	5.7	6.0	5.3
HEMI	4.7	6.3	5.0	5.0	5.7	4.7	4.7	5.3	5.3	4.7	6.7	5.3
HOT ROD (BURL TF-136)	5.7	7.0	4.7	5.3	5.3	5.0	4.7	6.0	4.7	5.0	6.7	5.3
IS-TF 276 M2	5.0	5.3	4.3	5.0	6.0	5.0	5.3	5.3	4.7	4.7	6.3	5.3
IS-TF 311	5.3	6.0	5.0	4.3	6.0	4.3	5.0	6.0	5.0	4.7	6.3	5.3
IS-TF-287	4.7	5.7	4.7	4.0	5.7	5.7	5.3	4.7	4.7	5.0	6.0	5.3
PPG-TF-115	4.7	5.3	4.3	5.0	5.7	5.7	5.3	5.3	4.7	4.7	6.0	5.3
RHIZING MOON (IS-TF 305 SEL)	4.3	6.0	4.7	4.3	5.7	5.7	5.3	6.0	4.3	4.7	5.7	5.3
ROWDY (SRX-TPC)	5.7	5.7	4.7	5.0	5.7	5.7	5.7	5.0	4.3	4.3	6.3	5.3
SUPERSONIC (PPG-TF-170)	6.0	6.0	4.0	5.0	5.3	5.0	4.7	5.3	5.0	5.0	6.7	5.3
TECHNIQUE (RZ2)	5.7	6.7	5.0	5.0	5.3	5.0	5.0	5.3	5.3	4.7	6.3	5.3
VALKYRIE LS (PPG-TF-172)	6.0	7.0	4.3	4.3	5.7	5.0	5.3	5.0	4.7	5.0	6.7	5.3

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT WICHITA (BROWN PATCH STUDY), KS 1/
2017 DATA

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

NAME	SPRING GREENUP	LEAF TEXTURE	BROWN PATCH WARM TEMP.	FALL COLOR NOVEMBER	APR	MAY	QUALITY RATINGS					MEAN
							JUN	JUL	AUG	SEP	OCT	
ATF 1704	5.7	5.7	4.3	5.3	5.7	5.0	4.7	5.0	4.7	5.0	6.7	5.2
AVENGER II (PPG-TF-156)	6.0	6.0	4.7	4.3	5.7	5.0	4.7	5.3	5.0	5.0	6.0	5.2
CATALYST	5.7	6.3	4.0	4.3	6.0	5.7	5.7	5.0	4.0	4.0	6.0	5.2
CROSSFIRE 4 (IS-TF 310 SEL)	4.7	7.0	4.7	4.7	5.0	5.0	5.3	5.7	4.7	5.0	6.0	5.2
DYNAMITE LS (PPG-TF-145)	4.7	5.7	5.0	4.0	5.0	5.0	4.7	6.0	4.7	4.7	6.3	5.2
HOVER (BURL TF-69)	5.0	6.3	5.3	4.7	5.3	5.7	5.0	4.7	5.0	5.0	6.0	5.2
NIGHTCRAWLER (IS-TF 285)	4.7	6.0	4.3	4.3	5.7	5.3	5.7	5.0	4.7	4.0	6.0	5.2
PPG-TF-138	5.0	5.7	4.3	4.3	5.3	4.7	5.0	5.7	5.0	4.7	6.3	5.2
PST-5BPO	5.7	5.7	4.7	4.0	5.7	5.3	5.0	4.7	5.0	4.7	6.0	5.2
PST-5MVD	5.3	5.7	5.0	4.7	5.3	5.7	4.3	5.7	4.7	4.7	6.3	5.2
SCREAMER LS (PPG-TF-148)	5.7	7.0	4.7	4.7	5.3	5.0	5.0	5.3	4.7	4.7	6.3	5.2
SWAGGER (PST-5R05)	4.7	6.0	5.7	4.7	5.0	5.0	5.0	5.3	5.0	5.0	6.0	5.2
TERRANO	5.7	5.7	4.3	4.3	5.3	5.0	5.0	5.7	4.7	4.7	6.0	5.2
THOR (PPG-TF-157)	5.7	6.0	4.7	5.3	6.0	4.3	5.3	5.3	4.7	5.0	5.7	5.2
THUNDERSTRUCK (TD1)	5.3	6.0	4.3	4.3	6.3	5.7	4.7	5.3	4.0	4.0	6.3	5.2
W41	5.7	6.7	4.3	5.3	5.3	5.0	5.0	4.7	4.3	4.7	7.3	5.2
4TH MILLENNIUM SRP (U43)	5.3	6.7	4.7	4.7	5.0	5.3	4.7	5.3	4.3	4.3	6.7	5.1
AMITY (CCR2)	5.7	7.3	4.7	5.3	5.7	4.7	4.3	5.3	4.7	5.0	6.0	5.1
BULLSEYE	5.0	6.0	4.0	4.7	5.7	5.7	5.0	5.0	4.7	4.0	6.0	5.1
FAITH	6.0	5.7	4.3	4.7	5.7	5.3	4.7	5.3	4.3	4.7	6.0	5.1
FIRECRACKER SLS (PPG-TF-105)	6.0	5.7	4.7	4.7	5.7	5.7	4.3	5.7	3.7	4.7	6.3	5.1
FOXHOUD (IS-TF 284 M2)	4.0	6.7	5.0	4.7	5.3	5.0	4.0	5.3	5.0	5.0	6.3	5.1
MET-3	5.3	6.0	4.7	4.7	5.7	5.0	4.7	5.0	4.3	5.0	6.0	5.1
PST-5BRK	5.3	5.7	5.0	4.3	5.3	4.7	5.0	5.0	5.0	4.7	6.0	5.1
PST-5DZP	4.0	5.7	4.7	4.3	5.0	5.0	4.7	5.3	4.7	4.3	6.7	5.1
RAD-TF-89	5.3	6.0	4.0	4.7	5.3	4.7	5.7	5.3	4.7	4.7	5.7	5.1
RHAMBLER 2 SRP (LSD)	4.3	6.3	4.7	4.7	5.3	5.0	4.7	5.7	4.3	4.7	6.3	5.1
SALTILLO (PST-5SALT)	5.7	5.7	4.3	4.0	5.7	5.0	5.7	5.0	4.3	4.3	5.7	5.1
ARES (PPG-TF-142)	4.3	5.7	4.0	4.0	5.7	5.3	5.3	5.0	4.3	4.3	5.3	5.0
B23	5.7	6.3	3.7	4.0	6.0	5.3	4.7	4.7	4.0	4.0	6.0	5.0
DIABLO (IS-TF 330)	4.7	5.3	4.0	4.3	5.3	5.3	5.0	4.7	4.0	4.7	5.7	5.0
EMBRACE (PST-5EV2)	5.3	6.7	4.7	4.3	5.3	4.7	4.7	5.3	4.7	4.7	6.0	5.0
IS-TF 269 SEL	5.0	6.7	4.0	5.0	5.3	5.0	4.7	5.3	4.0	4.3	6.3	5.0
JS 818	4.3	6.0	4.0	3.7	5.7	5.7	4.3	5.0	4.7	4.7	4.7	5.0
MERIDIAN (PST-5GRB)	4.7	7.0	4.3	4.3	5.0	5.0	5.0	5.7	4.3	4.7	5.3	5.0
PSG-GSD	5.0	6.0	4.7	4.3	5.0	5.0	4.3	4.7	5.0	4.7	6.3	5.0
REBEL V (ATF 1736)	5.0	5.3	4.7	4.0	5.0	4.7	4.7	5.0	4.7	4.7	6.3	5.0
TURFWAY (IS-TF 282 M2)	4.7	6.0	4.3	5.0	5.0	5.0	5.0	5.0	4.7	4.7	6.0	5.0
UNITUS (IS-TF 289)	4.3	6.3	4.3	4.7	5.3	5.3	5.3	4.7	4.0	4.3	6.0	5.0
WICHITA (PPG-TF-151)	5.7	5.7	4.3	5.0	5.7	4.3	5.0	4.7	4.3	4.3	6.3	5.0
BAR FA 121089	4.7	5.0	4.7	4.3	5.3	5.3	4.3	5.3	4.3	4.0	5.7	4.9
FRONTLINE (EXP TF-09)	5.3	5.7	3.7	3.7	5.7	6.0	5.0	5.0	4.0	4.0	4.3	4.9
INSPIRATION (PST-R5NW)	4.3	4.7	4.7	4.3	4.7	4.7	5.0	5.3	5.0	4.3	5.3	4.9
JS 819	4.7	5.3	4.3	4.3	5.3	5.0	4.3	4.7	5.0	4.0	6.0	4.9
K12-MCD	5.0	6.3	3.7	4.3	5.0	4.7	4.7	5.3	4.3	4.0	6.3	4.9

TABLE 8.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT WICHITA (BROWN PATCH STUDY), KS 1/
2017 DATA

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

NAME	SPRING GREENUP	LEAF TEXTURE	BROWN PATCH WARM TEMP.	FALL COLOR NOVEMBER	QUALITY RATINGS						MEAN	
					APR	MAY	JUN	JUL	AUG	SEP		OCT
RAD-TF-92	5.7	6.0	3.7	4.7	5.7	5.0	4.7	4.7	3.7	3.7	6.7	4.9
TEMPTATION (OR-21)	4.0	5.0	4.7	4.7	4.7	5.3	4.7	4.7	4.7	4.3	5.7	4.9
BAR FA 121091	4.3	5.3	4.0	4.0	5.3	5.3	4.7	4.7	4.0	4.3	5.3	4.8
BAR FA 121095	4.3	6.0	4.0	3.7	5.3	5.0	5.3	4.7	4.3	3.7	5.0	4.8
FALCON IV	4.3	5.0	4.3	4.3	5.0	5.0	4.7	4.7	4.7	4.3	5.3	4.8
FESNOVA	5.0	6.0	4.3	5.0	4.7	4.7	4.3	5.3	4.0	4.7	5.7	4.8
JS 825	4.3	5.3	3.7	4.0	5.0	4.7	4.3	5.0	4.7	4.0	5.7	4.8
K12-13	4.0	6.0	4.7	3.7	5.0	5.0	5.3	4.3	4.7	4.0	5.3	4.8
OLYMPUS (RAD-TF-88)	5.0	6.3	3.3	5.0	4.7	5.7	5.0	4.7	3.7	4.0	6.0	4.8
RAD-TF-83	5.0	5.7	3.3	4.7	5.3	5.3	4.7	4.7	3.7	4.0	6.0	4.8
JS 809	3.7	5.7	4.3	3.3	4.3	5.3	4.7	5.7	4.3	3.7	4.7	4.7
PST-5EX2	6.0	4.7	4.3	4.0	5.0	4.3	4.3	5.3	4.7	4.7	4.7	4.7
RAIN DANCE (PST-5SDT)	4.7	4.3	4.3	4.3	5.0	4.3	4.7	4.3	4.7	4.3	5.3	4.7
204 RES. BLK4	5.3	6.7	4.0	4.0	5.7	6.0	4.0	4.7	3.3	3.3	5.0	4.6
CAESAR (TY 10)	4.7	5.7	3.7	4.3	5.3	5.0	4.7	4.3	3.7	3.7	5.7	4.6
MEMPHIS (GO-DFR)	4.3	5.3	3.7	4.7	5.3	5.0	5.0	4.3	3.7	4.0	5.0	4.6
PSG-TT4	4.0	6.0	3.7	4.3	5.0	4.7	4.7	4.3	4.0	4.0	5.3	4.6
AQUADUCT	4.0	4.3	4.3	4.3	5.0	4.3	4.3	5.3	4.3	4.0	4.3	4.5
IS-TF 272	4.0	6.3	4.0	4.3	5.0	5.0	4.3	4.3	3.7	3.3	6.0	4.5
PSG-8BP2	4.3	6.0	4.0	3.3	5.0	4.7	4.3	5.0	4.0	3.7	4.7	4.5
COMP. RES. SST	4.7	6.0	3.3	3.7	5.0	5.3	4.7	4.0	3.3	3.0	4.7	4.3
MARAUDER	4.0	6.3	3.3	3.0	5.0	5.3	4.3	4.7	3.7	3.3	4.0	4.3
BAR FA 120878	4.0	4.0	4.3	4.3	4.3	4.0	4.3	4.3	4.3	4.0	4.3	4.2
WARHAWK	3.7	6.0	4.0	4.7	4.7	4.3	4.0	4.7	3.0	3.7	5.0	4.2
ANNIHILATOR	4.0	6.0	3.0	3.3	4.7	4.7	4.0	4.0	3.0	3.3	4.0	4.0
KY-31	5.0	3.0	4.3	3.7	3.0	3.0	3.0	3.3	3.0	3.0	3.0	3.0
LSD VALUE	1.7	1.0	2.5	1.4	1.3	1.1	1.5	1.9	1.8	1.3	1.2	0.5
C.V. (%)	16.3	10.0	18.5	14.5	11.6	11.1	13.3	13.9	17.3	14.6	11.8	6.4

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

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

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT LEXINGTON, KY 1/
2017 DATA

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

NAME	QUALITY RATINGS							MEAN
	APR	MAY	JUN	JUL	AUG	SEP	OCT	
AMITY (CCR2)	7.7	8.0	8.0	7.0	7.7	6.3	7.7	7.5
MAESTRO (T31)	7.3	7.7	7.7	6.7	8.3	7.0	8.0	7.5
PARAMOUNT (PPG-TF-137)	7.3	8.0	8.0	6.7	8.0	6.7	8.0	7.5
TRAVERSE 2 SRP (W45)	7.3	8.0	7.7	6.7	7.7	7.0	8.0	7.5
MET 1	7.3	8.0	7.3	6.3	8.0	6.3	8.3	7.4
PPG-TF-169	7.3	8.0	7.7	6.3	7.7	6.3	8.3	7.4
AVENGER II (PPG-TF-156)	7.0	8.0	7.7	7.0	7.3	6.3	8.0	7.3
FIREBIRD 2	7.3	7.7	7.3	6.7	7.3	6.7	8.0	7.3
HOT ROD (BURL TF-136)	7.0	7.7	7.7	7.0	7.7	6.7	7.7	7.3
PSG-PO1	7.0	7.7	8.0	7.0	7.7	6.3	7.3	7.3
RAPTOR III (ZW 44)	7.3	7.7	7.7	6.7	7.7	6.7	7.7	7.3
THOR (PPG-TF-157)	7.0	7.7	7.3	6.7	8.0	6.7	8.0	7.3
4TH MILLENNIUM SRP (U43)	6.7	7.3	7.7	6.3	8.0	7.3	7.3	7.2
BIZEM	7.0	8.0	7.0	6.3	8.0	6.7	7.3	7.2
BLACK TAIL (PPG-TF-150)	7.0	7.7	7.3	6.7	7.7	7.0	7.3	7.2
FAITH	7.0	7.7	7.3	6.7	8.0	6.7	7.0	7.2
FIREWALL (PSG-WE1)	6.7	7.7	8.0	6.7	7.7	6.3	7.7	7.2
IS-TF 308 SEL	7.0	8.0	7.3	6.3	7.7	6.3	7.7	7.2
IS-TF 311	7.3	8.0	7.0	6.3	7.3	7.3	7.3	7.2
PPG-TF-115	7.3	8.0	7.3	6.7	7.7	6.0	7.3	7.2
REBOUNDER (PICK-W43)	6.7	8.0	7.3	6.7	7.7	6.7	7.3	7.2
REFLECTION (U45)	7.0	8.0	7.3	7.0	8.0	6.0	7.3	7.2
REGENERATE	7.3	8.0	7.3	6.7	7.3	6.7	7.3	7.2
SUPERSONIC (PPG-TF-170)	7.0	7.7	7.3	6.7	8.0	6.3	7.7	7.2
TITANIUM 2LS (PPG-TF-152)	7.3	7.7	7.3	6.0	7.7	6.3	8.0	7.2
CROSSFIRE 4 (IS-TF 310 SEL)	7.3	8.0	7.0	6.0	7.7	6.7	7.3	7.1
HEMI	7.3	8.0	7.0	6.7	7.7	6.3	7.0	7.1
HOVER (BURL TF-69)	7.3	7.7	7.3	6.3	7.7	6.0	7.7	7.1
KINGDOM (DB1)	7.0	7.7	7.3	6.7	7.0	6.7	7.3	7.1
RAD-TF-89	7.3	7.7	7.0	6.7	7.3	6.0	8.0	7.1
RHIZING MOON (IS-TF 305 SEL)	7.0	7.7	7.7	6.7	7.3	6.0	7.3	7.1
THUNDERSTRUCK (TD1)	7.3	7.7	7.3	6.0	7.7	6.3	7.7	7.1
VALKYRIE LS (PPG-TF-172)	7.0	7.7	7.3	6.7	7.7	6.0	7.3	7.1
W41	6.7	7.3	7.3	6.7	7.3	6.7	7.7	7.1
ATF 1612	7.0	7.7	7.0	6.7	7.3	6.0	7.0	7.0
ATF 1754	6.7	7.7	7.3	6.3	7.7	6.0	7.0	7.0
B23	7.0	7.7	7.3	6.0	7.3	6.0	7.3	7.0
BLOODHOUND (MET 6 SEL)	6.3	7.7	7.0	6.0	7.7	6.7	7.7	7.0
EMBRACE (PST-5EV2)	7.0	7.7	7.3	6.0	7.3	6.3	7.3	7.0
F711	7.3	7.7	7.7	6.0	7.3	6.0	7.3	7.0
FIRECRACKER SLS (PPG-TF-105)	6.7	7.7	6.7	6.3	7.7	6.3	7.3	7.0
FOXHOUND (IS-TF 284 M2)	7.0	7.3	7.7	6.3	7.3	6.0	7.3	7.0
GTO (BURL TF-2)	7.0	7.0	7.3	6.7	7.7	6.3	7.3	7.0
HOUND0G8 (IS-TF 307 SEL)	7.0	7.7	7.3	6.3	7.3	6.0	7.0	7.0
JS 916	7.0	7.3	7.0	6.3	7.7	6.3	7.3	7.0

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT LEXINGTON, KY 1/
 2017 DATA

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

NAME	QUALITY RATINGS							MEAN
	APR	MAY	JUN	JUL	AUG	SEP	OCT	
LEONARDO (LTP-FSD)	7.0	7.3	7.3	6.7	7.0	6.3	7.3	7.0
MICHELANGELO (LTP-F5DPDR)	6.7	7.3	7.7	6.7	7.3	6.3	7.0	7.0
OLYMPUS (RAD-TF-88)	7.0	8.0	7.0	6.3	7.3	6.0	7.3	7.0
PPG-TF-135	7.0	7.7	7.0	6.0	7.7	6.0	7.3	7.0
PPG-TF-138	7.3	7.3	7.0	6.3	7.3	6.3	7.0	7.0
RAD-TF-83	6.7	7.7	7.3	6.3	7.0	6.3	7.3	7.0
REBEL V (ATF 1736)	7.0	7.3	7.7	6.3	7.0	6.3	7.3	7.0
ROCKWELL (LTP-TWUU)	7.0	7.7	7.0	6.7	7.3	6.0	7.0	7.0
ROWDY (SRX-TPC)	7.0	7.7	7.0	6.3	8.0	6.3	7.0	7.0
SCREAMER LS (PPG-TF-148)	7.0	7.7	7.3	6.3	7.3	5.7	7.3	7.0
TECHNIQUE (RZ2)	7.0	7.3	7.3	6.3	7.3	6.0	7.7	7.0
TEMPLE (DZ1)	6.7	7.3	7.0	6.7	8.0	6.0	7.7	7.0
TURFWAY (IS-TF 282 M2)	6.7	7.7	7.3	6.0	7.3	6.7	7.3	7.0
UNITUS (IS-TF 289)	7.3	7.3	7.0	6.3	7.7	6.0	7.7	7.0
WICHITA (PPG-TF-151)	7.3	7.3	7.0	6.7	7.3	6.3	7.0	7.0
ATF 1704	6.7	7.0	7.3	6.0	7.3	6.3	7.7	6.9
BULLSEYE	7.0	7.7	7.0	6.3	7.3	5.7	7.0	6.9
DYNAMITE LS (PPG-TF-145)	7.0	7.7	7.0	6.3	7.0	6.0	7.0	6.9
FAYETTE (IS-TF 291)	7.0	7.0	7.0	6.3	7.3	6.0	7.3	6.9
GRANDE 3	6.7	7.3	7.3	6.7	7.0	6.0	7.0	6.9
IS-TF 269 SEL	7.0	7.3	7.3	6.0	7.3	5.7	7.3	6.9
IS-TF 276 M2	7.0	7.3	7.3	6.3	7.0	6.0	7.3	6.9
IS-TF-287	7.0	7.7	7.0	6.3	7.3	6.0	7.0	6.9
JS 818	6.7	7.7	7.0	6.0	7.0	6.7	7.3	6.9
K12-13	6.7	7.3	7.0	6.0	7.3	6.0	7.7	6.9
MERIDIAN (PST-5GRB)	7.0	7.3	7.0	6.3	7.0	6.3	7.0	6.9
MET-3	6.7	7.0	7.0	6.3	7.7	5.7	7.7	6.9
PST-5BPO	7.0	7.3	7.0	6.3	7.3	6.0	7.0	6.9
PST-5BRK	6.7	7.7	7.7	6.3	7.3	6.0	6.7	6.9
PST-5EX2	6.0	7.0	7.0	6.3	7.3	7.0	7.3	6.9
TEMPTATION (OR-21)	6.7	7.3	7.3	6.0	7.0	6.3	7.7	6.9
204 RES. BLK4	6.7	7.7	6.7	6.0	7.3	6.0	7.3	6.8
ARES (PPG-TF-142)	6.7	7.3	7.0	6.0	7.0	6.0	7.3	6.8
BAR FA 121095	7.0	7.7	7.0	6.0	7.0	6.0	6.7	6.8
CAESAR (TY 10)	7.0	7.3	7.3	6.0	7.0	6.0	7.0	6.8
DIABLO (IS-TF 330)	7.0	7.3	7.0	5.7	7.0	5.7	7.7	6.8
FESNOVA	6.7	7.3	7.0	6.0	7.0	6.3	7.0	6.8
IS-TF 272	7.0	7.3	7.0	6.0	7.0	6.0	7.3	6.8
NIGHTCRAWLER (IS-TF 285)	7.3	7.3	7.3	5.7	7.0	5.7	7.3	6.8
PSG-TT4	6.7	7.0	7.0	6.3	7.3	6.3	7.0	6.8
PST-5DZP	7.0	7.3	7.0	6.0	7.0	6.0	7.0	6.8
SALTILLO (PST-5SALT)	6.3	7.3	7.0	6.3	7.7	5.7	7.0	6.8
XTENDER (PPG-TF-139)	6.7	7.0	7.7	6.0	7.3	5.7	7.3	6.8
BAR FA 121091	6.7	7.3	7.3	6.0	7.3	5.7	6.3	6.7
FALCON V	6.7	7.3	7.0	6.0	7.0	5.7	7.0	6.7

TABLE 9. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT LEXINGTON, KY 1/
2017 DATA

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

NAME	QUALITY RATINGS							MEAN
	APR	MAY	JUN	JUL	AUG	SEP	OCT	
FRONTLINE (EXP TF-09)	6.7	7.3	7.0	6.0	7.0	5.7	7.0	6.7
K12-05	7.0	7.0	7.0	5.7	7.0	6.0	7.0	6.7
K12-MCD	6.7	7.7	7.0	6.0	7.0	5.7	7.0	6.7
MEMPHIS (G0-DFR)	6.7	7.7	7.0	6.0	7.0	5.7	7.0	6.7
PST-5MVD	6.0	7.3	7.3	6.0	7.0	5.7	7.3	6.7
RAD-TF-92	7.0	6.7	6.7	6.3	7.3	5.7	7.3	6.7
RHAMBLER 2 SRP (LSD)	7.0	7.7	6.7	5.3	7.0	6.0	7.3	6.7
BAR FA 121089	6.7	7.0	7.0	6.0	7.0	5.7	7.0	6.6
CATALYST	6.0	7.3	6.7	6.0	7.3	5.3	7.3	6.6
INSPIRATION (PST-R5NW)	6.3	6.7	7.3	6.0	7.0	6.0	6.7	6.6
JS 809	6.7	7.0	7.0	6.0	7.0	5.7	7.0	6.6
JS 819	6.3	7.0	7.0	6.0	7.0	5.7	7.0	6.6
PSG-8BP2	6.7	7.0	6.7	6.0	7.0	6.0	6.7	6.6
SWAGGER (PST-5R05)	6.7	7.3	6.3	6.0	7.0	6.0	6.7	6.6
TERRANO	6.3	7.3	7.0	6.0	6.7	6.0	7.0	6.6
ANNIHILATOR	6.3	7.0	7.0	5.7	7.0	5.3	7.3	6.5
COMP. RES. SST	6.3	7.0	6.7	6.0	7.0	5.7	7.0	6.5
FALCON IV	6.7	7.0	6.7	5.7	6.7	5.7	7.0	6.5
MARAUDER	6.7	7.3	6.3	5.3	7.0	5.7	7.0	6.5
RAIN DANCE (PST-5SDT)	6.0	7.3	7.0	5.7	7.0	6.0	6.3	6.5
AQUADUCT	6.0	6.7	6.7	6.0	7.0	6.0	6.3	6.4
JS 825	6.0	7.0	7.0	6.0	6.3	6.0	6.3	6.4
PSG-GSD	6.7	7.0	6.7	5.7	7.0	5.0	7.0	6.4
WARHAWK	6.3	7.0	6.7	5.7	7.0	5.3	6.7	6.4
BAR FA 120878	5.3	6.7	6.3	6.0	6.3	5.7	6.0	6.0
KY-31	3.7	4.0	5.0	4.0	5.3	4.3	4.0	4.3
LSD VALUE	0.7	0.9	0.9	0.8	0.8	1.1	0.7	0.4
C.V. (%)	6.5	6.8	6.4	7.3	6.2	9.1	6.1	3.5

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

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

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLLEGE PARK, MD 1/
2017 DATA

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

NAME	QUALITY RATINGS								
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
REGENERATE	8.0	8.0	8.0	6.3	7.0	7.3	7.7	7.7	7.5
TECHNIQUE (RZ2)	7.7	7.7	7.3	6.7	6.7	7.0	8.0	8.0	7.4
MAESTRO (T31)	8.0	7.7	7.0	6.0	7.0	7.0	7.3	8.0	7.3
REBOUNDER (PICK-W43)	7.7	7.7	7.3	6.7	7.0	7.0	7.3	8.0	7.3
REFLECTION (U45)	8.0	7.7	7.7	6.0	6.7	6.7	7.7	8.0	7.3
TRAVERSE 2 SRP (W45)	8.0	7.7	7.3	6.0	7.0	7.3	7.7	7.7	7.3
4TH MILLENNIUM SRP (U43)	8.0	7.7	7.3	6.3	6.7	7.0	7.3	7.3	7.2
AVENGER II (PPG-TF-156)	7.7	7.7	6.7	6.7	7.0	7.0	7.7	7.3	7.2
FIREWALL (PSG-WE1)	7.7	7.7	7.0	6.0	6.7	7.0	7.7	7.7	7.2
HOT ROD (BURL TF-136)	7.3	7.7	7.3	6.7	6.7	7.0	7.3	7.7	7.2
RAPTOR III (ZW 44)	8.0	7.3	7.3	6.7	6.7	6.7	7.3	7.3	7.2
SUPERSONIC (PPG-TF-170)	8.0	7.7	6.7	6.0	6.7	7.0	7.7	7.7	7.2
AMITY (CCR2)	8.0	7.3	7.0	6.7	6.3	6.3	7.3	8.0	7.1
PARAMOUNT (PPG-TF-137)	7.7	7.0	6.7	6.0	6.7	7.0	7.3	7.3	7.0
F711	7.7	7.0	7.0	6.0	6.7	6.7	7.0	7.0	6.9
GTO (BURL TF-2)	7.3	7.0	7.0	6.0	6.7	6.7	7.0	7.7	6.9
MET 1	7.7	7.0	7.0	6.0	6.7	6.7	6.7	7.3	6.9
TEMPLE (DZ1)	7.3	7.3	7.3	6.0	6.3	6.7	7.0	7.0	6.9
THOR (PPG-TF-157)	7.3	7.0	6.7	6.3	6.3	6.7	7.0	7.7	6.9
BIZEM	7.3	7.0	6.7	6.3	6.0	6.3	7.0	7.3	6.8
FIREBIRD 2	7.7	7.0	7.0	6.0	6.3	6.7	6.7	7.0	6.8
HEMI	8.0	7.0	6.7	6.0	6.3	6.3	6.7	7.0	6.8
IS-TF 308 SEL	7.7	7.0	7.0	6.0	6.0	6.7	6.7	7.0	6.8
PPG-TF-135	7.7	7.0	7.0	6.0	6.0	6.3	7.3	7.0	6.8
PSG-P01	7.3	7.0	6.7	6.0	6.3	6.7	7.0	7.3	6.8
ROCKWELL (LTP-TWUU)	7.3	7.0	6.7	6.3	6.0	7.0	7.0	7.0	6.8
TITANIUM 2LS (PPG-TF-152)	7.0	7.0	7.0	5.7	6.0	7.0	7.0	7.3	6.8
ATF 1612	7.0	7.0	7.0	6.0	6.3	6.3	6.7	7.0	6.7
B23	7.3	7.0	7.0	6.0	6.0	6.3	7.0	7.0	6.7
HOUNDOG8 (IS-TF 307 SEL)	7.3	6.7	6.7	5.7	6.0	7.0	7.0	7.0	6.7
MET-3	7.3	7.0	7.0	6.0	6.3	6.3	6.7	7.0	6.7
PPG-TF-138	7.3	7.0	6.7	6.0	6.0	6.7	7.0	7.0	6.7
RHAMBLER 2 SRP (LSD)	7.0	7.0	7.0	6.0	6.3	6.3	7.0	7.0	6.7
ROWDY (SRX-TPC)	7.0	7.0	7.0	6.3	6.0	6.3	6.7	7.0	6.7
VALKYRIE LS (PPG-TF-172)	7.7	6.7	6.7	5.7	6.3	6.7	6.7	7.3	6.7
W41	7.0	7.0	7.0	5.7	6.3	6.7	6.7	7.0	6.7
WICHITA (PPG-TF-151)	7.3	6.7	7.0	5.7	6.0	6.7	6.7	7.3	6.7
BLOODHOUND (MET 6 SEL)	7.0	6.7	7.0	5.3	5.7	7.0	7.0	7.3	6.6
GRANDE 3	7.3	6.7	6.3	6.0	6.0	6.7	6.7	7.0	6.6
HOVER (BURL TF-69)	7.7	7.3	7.3	5.3	5.7	5.7	6.7	7.0	6.6
JS 916	7.3	7.0	7.0	5.7	6.0	6.3	6.7	7.0	6.6
RHIZING MOON (IS-TF 305 SEL)	7.0	6.7	7.0	5.7	6.3	7.0	6.7	6.7	6.6
ATF 1754	7.0	6.7	6.7	5.7	6.0	6.3	6.7	6.7	6.5
BLACK TAIL (PPG-TF-150)	7.3	7.0	6.7	5.7	5.7	6.0	6.7	7.3	6.5
CROSSFIRE 4 (IS-TF 310 SEL)	7.3	6.7	6.7	5.7	6.0	6.7	6.7	6.7	6.5

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT COLLEGE PARK, MD 1/
 2017 DATA

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

NAME	QUALITY RATINGS								
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
FOXHOUND (IS-TF 284 M2)	6.7	7.0	7.0	5.7	6.0	6.3	6.7	7.0	6.5
IS-TF 311	7.3	6.7	7.0	5.7	6.0	6.3	6.3	7.0	6.5
LEONARDO (LTP-FSD)	7.3	6.7	6.7	5.7	6.0	6.3	6.7	7.0	6.5
MICHELANGELO (LTP-F5DPDR)	7.0	6.7	6.7	6.0	6.0	6.3	7.0	6.7	6.5
PST-5BRK	7.0	6.3	6.7	6.0	6.3	6.3	6.7	6.3	6.5
SCREAMER LS (PPG-TF-148)	7.3	7.0	6.7	5.3	6.0	6.3	6.3	7.3	6.5
TURFWAY (IS-TF 282 M2)	7.3	7.0	7.0	6.0	5.7	5.7	6.7	6.7	6.5
ATF 1704	7.3	6.7	6.7	5.7	5.7	6.0	6.7	6.7	6.4
DIABLO (IS-TF 330)	6.3	6.3	7.0	5.3	6.0	6.3	6.7	7.0	6.4
FIRECRACKER SLS (PPG-TF-105)	7.3	6.7	6.3	5.7	6.0	6.3	6.3	6.7	6.4
IS-TF 269 SEL	7.0	6.7	6.7	5.7	6.0	6.3	6.3	6.3	6.4
KINGDOM (DB1)	7.0	6.7	6.7	5.7	6.0	6.0	6.7	6.7	6.4
PPG-TF-169	7.0	6.3	7.0	5.0	6.0	6.0	6.3	7.3	6.4
RAD-TF-89	7.0	7.0	6.7	5.7	6.0	6.0	6.3	6.7	6.4
RAD-TF-92	7.3	7.0	7.0	5.3	5.7	6.0	6.3	6.7	6.4
XTENDER (PPG-TF-139)	7.3	6.7	6.3	5.3	5.7	6.3	6.3	7.0	6.4
EMBRACE (PST-5EV2)	6.7	6.3	6.7	5.7	5.7	6.3	6.3	6.7	6.3
FAYETTE (IS-TF 291)	7.3	6.7	6.3	5.7	6.0	6.0	6.0	6.3	6.3
FESNOVA	7.0	6.7	6.7	5.7	5.7	6.0	6.3	6.7	6.3
IS-TF 272	7.3	6.7	6.3	5.3	6.0	6.0	6.0	6.3	6.3
REBEL V (ATF 1736)	7.0	6.3	6.3	5.7	5.7	6.0	6.0	7.0	6.3
SALTILLO (PST-5SALT)	7.0	6.3	6.3	5.7	5.7	6.0	6.3	6.7	6.3
THUNDERSTRUCK (TD1)	7.7	6.7	7.0	5.0	5.7	5.7	6.0	6.7	6.3
FAITH	7.3	6.3	6.0	5.3	5.7	6.0	6.0	7.0	6.2
IS-TF 276 M2	7.0	6.7	6.7	5.7	5.7	5.7	6.0	6.0	6.2
K12-05	7.0	6.3	6.7	5.3	5.7	6.0	6.3	6.0	6.2
CAESAR (TY 10)	7.0	6.3	6.3	5.0	5.7	6.0	6.0	6.7	6.1
MERIDIAN (PST-5GRB)	7.0	6.7	6.7	4.7	5.3	5.7	6.0	7.0	6.1
PST-5BP0	7.0	6.0	6.0	5.7	5.7	6.3	6.0	6.0	6.1
UNITUS (IS-TF 289)	6.3	6.3	6.3	6.0	5.3	6.0	6.3	6.3	6.1
IS-TF-287	6.0	6.0	6.0	5.7	5.3	6.3	6.0	6.3	6.0
JS 818	6.7	6.3	6.0	5.0	5.3	6.0	6.0	6.3	6.0
NIGHTCRAWLER (IS-TF 285)	6.3	6.0	7.0	5.7	5.3	6.0	6.0	6.0	6.0
PPG-TF-115	7.0	6.0	6.3	5.0	5.3	5.3	6.0	6.7	6.0
PST-5EX2	6.7	6.0	6.0	5.3	5.3	6.0	6.0	6.3	6.0
BULLSEYE	7.0	6.0	6.0	4.7	5.0	5.7	6.0	7.0	5.9
K12-MCD	7.0	6.0	6.7	5.0	5.0	5.7	5.7	5.7	5.8
MEMPHIS (GO-DFR)	6.3	6.0	6.7	5.0	5.3	5.7	5.7	6.0	5.8
OLYMPUS (RAD-TF-88)	7.0	6.0	6.3	4.7	5.0	5.0	5.7	7.0	5.8
PST-5MVD	6.7	6.0	6.3	4.7	5.0	5.3	5.7	6.3	5.8
RAD-TF-83	7.0	6.0	6.0	4.7	5.3	5.0	5.3	6.7	5.8
TEMPTATION (OR-21)	6.3	6.3	6.3	5.3	5.3	5.7	5.3	5.7	5.8
K12-13	5.7	5.7	6.0	5.0	5.3	6.0	5.7	6.0	5.7
FALCON V	6.3	6.0	6.0	4.7	5.3	5.3	5.7	5.7	5.6
JS 809	6.3	6.0	6.0	4.7	5.0	5.3	5.3	6.0	5.6

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
 (CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT COLLEGE PARK, MD 1/
 2017 DATA

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

NAME	QUALITY RATINGS								
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
CATALYST	6.3	5.7	5.7	4.7	5.0	5.3	5.7	6.0	5.5
COMP. RES. SST	6.0	5.7	5.3	4.7	4.7	5.7	5.7	6.0	5.5
PSG-TT4	6.0	6.0	6.0	4.7	4.7	5.0	5.7	6.0	5.5
PST-5DZP	5.3	5.3	5.7	5.3	4.7	5.3	6.0	6.0	5.5
TERRANO	6.0	5.3	5.7	4.3	4.7	5.7	5.7	5.7	5.4
204 RES. BLK4	6.3	5.7	5.7	4.0	4.3	5.7	5.3	5.7	5.3
DYNAMITE LS (PPG-TF-145)	5.7	5.7	6.0	4.7	4.3	4.3	5.3	6.3	5.3
FALCON IV	6.7	6.0	5.3	4.3	4.3	4.7	5.3	5.3	5.3
SWAGGER (PST-5R05)	5.3	5.3	5.7	4.7	5.0	5.3	5.3	6.0	5.3
ARES (PPG-TF-142)	4.3	5.0	5.7	5.0	5.0	5.3	5.3	5.7	5.2
JS 819	6.3	5.3	5.3	4.3	4.3	4.7	5.3	5.7	5.2
BAR FA 121089	6.3	5.3	5.3	4.3	4.7	5.0	5.0	5.0	5.1
BAR FA 121091	5.3	5.3	5.7	4.3	5.0	5.0	5.0	5.0	5.1
INSPIRATION (PST-R5NW)	6.0	5.3	6.0	4.3	4.7	4.7	4.7	5.3	5.1
AQUADUCT	6.0	5.3	5.7	4.0	4.3	4.7	4.7	5.3	5.0
JS 825	5.0	5.0	5.3	5.0	5.0	4.7	4.7	5.3	5.0
BAR FA 121095	5.3	5.0	5.3	5.0	4.7	4.7	4.7	4.7	4.9
MARAUDER	5.7	5.3	5.3	3.0	3.7	5.0	5.3	5.7	4.9
PSG-8BP2	6.0	5.0	5.0	4.0	4.3	4.7	4.7	5.7	4.9
FRONTLINE (EXP TF-09)	6.0	5.0	5.3	4.0	4.0	4.7	4.7	4.3	4.8
PSG-GSD	5.3	5.0	5.0	4.3	4.3	4.7	5.0	5.0	4.8
RAIN DANCE (PST-5SDT)	5.0	4.7	4.7	4.3	4.7	4.0	4.7	5.3	4.7
ANNIHILATOR	5.7	4.7	4.7	3.7	3.7	4.3	4.7	4.7	4.5
WARHAWK	4.7	4.7	5.0	3.7	3.7	4.0	4.0	4.7	4.3
BAR FA 120878	3.0	3.0	3.7	3.0	3.0	3.0	3.3	3.3	3.2
KY-31	2.7	3.7	2.7	2.0	2.0	2.3	2.7	3.0	2.6
LSD VALUE	0.9	0.8	0.8	1.0	0.9	0.8	0.8	0.9	0.6
C.V. (%)	8.4	8.1	8.3	11.4	10.2	8.5	8.4	9.0	6.1

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 AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLUMBIA, MO 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS								
		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
RHIZING MOON (IS-TF 305 SEL)	7.3	6.0	6.0	5.0	5.3	6.0	6.0	6.0	6.0	5.8
THOR (PPG-TF-157)	7.0	5.7	5.0	5.3	5.3	6.0	6.3	6.7	5.7	5.8
GRANDE 3	6.3	6.0	5.7	4.7	5.0	5.3	5.7	6.0	6.3	5.6
HEMI	6.0	6.3	5.3	4.7	5.0	5.7	5.3	5.7	5.7	5.5
IS-TF 276 M2	6.3	5.0	5.3	5.0	5.0	5.3	6.0	6.0	6.0	5.5
TEMPTATION (OR-21)	7.3	6.3	5.7	5.0	5.0	5.3	5.7	5.7	5.7	5.5
TRAVERSE 2 SRP (W45)	6.7	6.0	5.3	4.3	4.7	5.3	5.7	6.3	6.0	5.5
PPG-TF-135	5.7	5.3	5.0	4.7	5.0	5.7	5.3	6.0	6.3	5.4
GTO (BURL TF-2)	6.3	6.3	5.0	4.3	4.3	5.0	5.0	6.3	6.0	5.3
IS-TF 311	6.0	5.3	5.0	4.7	5.0	5.7	5.7	5.7	5.7	5.3
MET 1	5.3	5.7	4.7	4.3	4.7	5.3	5.7	6.0	6.3	5.3
TITANIUM 2LS (PPG-TF-152)	6.3	6.0	5.0	4.3	4.7	5.3	5.3	6.0	5.7	5.3
BULLSEYE	6.0	5.7	5.0	4.3	4.7	5.0	5.0	5.7	6.0	5.2
IS-TF 269 SEL	6.3	5.0	5.0	4.3	4.7	5.3	5.3	6.0	6.0	5.2
AMITY (CCR2)	6.0	6.0	5.3	4.3	4.7	5.0	5.0	5.3	5.3	5.1
ARES (PPG-TF-142)	6.7	5.0	5.0	4.7	5.0	5.3	5.3	5.3	5.3	5.1
DIABLO (IS-TF 330)	6.7	5.7	5.3	4.3	4.3	4.7	5.0	5.7	5.7	5.1
F711	6.0	5.3	5.0	4.7	4.7	5.0	5.3	5.3	5.7	5.1
JS 916	5.7	5.0	4.7	4.7	4.7	5.0	5.7	5.7	5.7	5.1
PPG-TF-138	5.7	5.0	4.7	4.3	4.3	5.3	5.3	6.0	5.7	5.1
PPG-TF-169	5.0	4.7	4.3	4.3	4.7	5.7	5.3	6.0	6.0	5.1
PST-5BP0	5.3	5.0	5.0	4.3	4.7	5.0	5.0	6.0	6.0	5.1
FAITH	6.3	6.0	4.7	4.3	4.3	5.0	5.0	5.3	5.7	5.0
FIREWALL (PSG-WE1)	5.7	5.3	5.0	4.0	4.3	5.3	4.7	5.7	5.3	5.0
MAESTRO (T31)	5.7	5.0	5.0	4.0	4.3	5.3	5.0	5.7	5.3	5.0
PSG-P01	6.0	5.0	4.7	4.7	4.7	5.0	5.3	5.3	5.7	5.0
RAPTOR III (ZW 44)	5.7	5.0	4.7	4.0	4.3	5.3	5.3	5.7	5.7	5.0
TEMPLE (DZ1)	5.7	4.7	4.3	4.7	4.7	5.0	5.0	5.7	5.7	5.0
4TH MILLENNIUM SRP (U43)	5.7	5.3	4.7	4.0	4.0	5.0	4.7	5.7	5.7	4.9
K12-05	7.0	5.3	5.0	4.0	4.3	5.0	4.7	5.3	5.3	4.9
LEONARDO (LTP-FSD)	5.7	5.0	4.7	4.0	4.3	5.0	5.3	5.7	5.3	4.9
REFLECTION (U45)	5.7	5.0	4.7	4.3	4.7	5.3	5.0	5.3	4.7	4.9
RHAMBLER 2 SRP (LSD)	6.7	5.7	5.0	4.3	4.3	4.7	5.0	5.0	5.0	4.9
ROCKWELL (LTP-TWUU)	5.3	5.7	4.7	4.0	4.0	5.0	5.0	5.3	5.3	4.9
BIZEM	6.0	5.3	4.7	4.7	4.7	4.7	5.0	5.0	4.7	4.8
BLOODHOUND (MET 6 SEL)	5.0	5.0	4.3	4.3	4.7	5.0	5.0	5.3	5.0	4.8
HOUNDOG8 (IS-TF 307 SEL)	6.7	5.0	5.0	4.7	4.7	4.3	5.0	5.0	5.0	4.8
HOVER (BURL TF-69)	6.3	5.7	4.7	4.0	4.3	4.7	4.7	5.0	5.0	4.8
MERIDIAN (PST-5GRB)	5.3	5.0	5.0	4.0	4.3	5.0	5.0	5.3	5.0	4.8
MET-3	5.7	5.3	4.3	4.3	4.3	5.0	4.7	5.3	5.0	4.8
ROWDY (SRX-TPC)	5.7	4.7	4.7	4.0	4.0	5.3	5.0	5.3	5.3	4.8
SCREAMER LS (PPG-TF-148)	5.3	5.0	4.3	4.3	4.3	5.3	4.7	5.3	5.3	4.8
SWAGGER (PST-5R05)	6.0	4.3	4.7	4.0	4.3	5.0	5.0	5.3	5.3	4.8
W41	5.7	5.3	4.3	4.3	4.3	4.7	5.0	5.3	5.0	4.8
WICHITA (PPG-TF-151)	6.3	5.7	4.3	4.3	4.7	5.0	5.0	5.0	4.7	4.8

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLUMBIA, MO 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS								
		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
AVENGER II (PPG-TF-156)	6.0	5.0	4.3	4.3	4.7	5.0	4.7	5.0	4.7	4.7
DYNAMITE LS (PPG-TF-145)	7.0	5.0	4.7	4.3	4.0	4.0	5.0	5.7	5.0	4.7
INSPIRATION (PST-R5NW)	6.0	4.7	5.0	4.3	4.7	4.7	4.3	5.0	5.0	4.7
IS-TF 308 SEL	6.0	5.0	4.3	4.3	4.7	4.7	4.3	5.0	5.0	4.7
JS 819	7.0	5.3	5.0	4.3	4.3	4.3	4.0	5.0	5.0	4.7
MICHELANGELO (LTP-F5DPDR)	5.3	5.0	4.3	4.3	4.7	4.7	4.3	5.0	5.0	4.7
RAD-TF-92	5.7	5.7	4.7	4.0	4.0	5.0	4.3	5.0	5.0	4.7
RAIN DANCE (PST-5SDT)	6.0	5.3	4.7	4.3	4.3	4.3	4.7	5.0	5.0	4.7
REGENERATE	5.7	5.0	4.7	4.3	4.3	4.3	5.0	5.3	4.3	4.7
ANNIHILATOR	6.7	5.3	4.7	4.3	4.3	4.7	4.3	4.7	4.7	4.6
CAESAR (TY 10)	5.7	4.0	4.3	4.0	4.3	4.7	5.0	5.3	5.0	4.6
CATALYST	5.7	5.3	4.7	4.3	4.3	4.7	4.3	4.7	4.7	4.6
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	5.0	4.7	4.0	4.3	4.3	4.0	5.3	5.3	4.6
EMBRACE (PST-5EV2)	6.0	5.0	4.3	4.0	4.3	4.7	4.7	5.0	4.7	4.6
PSG-TT4	5.3	5.3	4.3	4.0	4.3	4.0	4.7	5.0	5.3	4.6
RAD-TF-89	6.0	4.7	4.7	4.3	4.3	4.3	4.7	5.0	5.0	4.6
REBOUNDER (PICK-W43)	5.7	5.0	4.7	4.0	4.3	4.3	4.7	5.0	5.0	4.6
SUPERSONIC (PPG-TF-170)	6.0	5.0	4.3	4.0	4.0	4.3	4.7	5.3	5.3	4.6
204 RES. BLK4	5.3	4.7	4.7	4.0	4.3	4.7	4.3	4.7	4.7	4.5
ATF 1612	5.7	5.0	4.0	4.0	4.0	4.7	4.3	5.0	5.0	4.5
FALCON IV	6.0	5.0	4.7	4.0	4.0	4.3	4.3	4.7	4.7	4.5
FALCON V	5.7	5.0	4.7	4.3	4.3	4.3	4.7	4.3	4.3	4.5
FESNOVA	6.0	4.7	4.7	4.7	4.3	4.3	4.3	4.3	4.3	4.5
FIREBIRD 2	5.7	4.7	4.0	4.0	4.0	4.7	4.7	5.0	5.0	4.5
JS 809	6.0	4.0	4.7	4.0	4.3	4.0	4.7	5.0	5.0	4.5
PARAMOUNT (PPG-TF-137)	6.0	5.0	4.3	4.3	4.3	4.3	4.7	4.7	4.7	4.5
PSG-8BP2	5.7	4.3	4.3	4.3	4.3	4.3	4.7	4.7	4.7	4.5
PST-5EX2	4.7	5.0	4.7	4.0	4.3	4.3	4.3	4.7	4.7	4.5
SALTILLO (PST-5SALT)	6.0	5.0	4.0	4.0	4.3	4.3	4.7	4.7	4.7	4.5
ATF 1704	5.0	5.0	4.0	4.0	4.0	4.0	4.3	5.0	4.7	4.4
ATF 1754	5.0	4.3	4.0	4.0	4.3	4.0	4.7	5.0	5.0	4.4
BAR FA 121095	5.7	4.3	4.7	4.3	4.7	4.3	4.0	4.3	4.7	4.4
HOT ROD (BURL TF-136)	5.0	4.7	4.0	4.0	4.0	4.0	4.7	5.0	5.0	4.4
K12-MCD	5.3	4.0	4.3	4.3	4.3	4.3	4.3	4.7	4.7	4.4
OLYMPUS (RAD-TF-88)	5.7	4.3	4.3	3.7	3.7	4.3	4.7	5.0	5.0	4.4
PST-5MVD	5.3	4.3	4.3	4.0	4.0	4.3	4.3	4.7	5.0	4.4
RAD-TF-83	5.7	4.7	4.7	3.7	4.0	4.3	4.3	4.7	4.7	4.4
VALKYRIE LS (PPG-TF-172)	5.7	4.7	4.3	3.7	4.0	4.3	4.3	5.0	5.0	4.4
B23	6.3	4.7	4.0	4.0	4.0	4.0	4.3	4.3	4.7	4.3
COMP. RES. SST	5.7	4.3	4.3	4.0	4.0	4.3	4.7	4.7	4.3	4.3
FOXHOUD (IS-TF 284 M2)	6.3	4.3	4.0	4.0	4.0	4.3	4.3	4.7	4.7	4.3
IS-TF 272	6.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
MEMPHIS (GO-DFR)	6.3	4.3	4.7	4.0	4.0	4.0	4.3	4.7	4.7	4.3
PPG-TF-115	5.3	4.0	4.3	4.0	4.0	4.3	4.7	4.7	4.3	4.3
PST-5BRK	5.7	4.0	3.7	3.3	3.7	4.7	5.0	5.0	5.0	4.3

TABLE 11.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLUMBIA, MO 1/
2017 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS								
		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
THUNDERSTRUCK (TD1)	6.3	5.0	4.0	4.0	4.0	4.3	4.0	4.7	4.7	4.3
TURFWAY (IS-TF 282 M2)	6.3	5.0	4.3	3.7	3.7	3.7	4.0	5.0	5.0	4.3
XTENDER (PPG-TF-139)	6.0	4.3	4.3	4.0	4.0	4.3	4.0	4.7	4.7	4.3
FIRECRACKER SLS (PPG-TF-105)	5.7	4.7	4.0	3.7	4.0	4.0	4.3	4.3	4.3	4.2
IS-TF-287	5.7	4.3	4.3	4.0	4.0	4.7	4.0	4.3	4.0	4.2
MARAUDER	5.3	4.3	4.7	4.3	4.0	3.7	3.7	4.3	4.3	4.2
REBEL V (ATF 1736)	5.3	4.7	4.3	4.0	4.0	3.7	3.7	4.3	4.7	4.2
TECHNIQUE (RZ2)	5.0	4.3	4.0	3.7	4.0	4.0	4.0	4.7	4.7	4.2
TERRANO	5.7	4.0	4.0	4.0	4.3	4.3	4.3	4.3	4.3	4.2
AQUADUCT	5.7	4.7	4.0	3.7	3.7	3.7	4.3	4.3	4.3	4.1
BAR FA 120878	5.3	4.0	4.3	4.0	4.0	4.0	4.0	4.3	4.3	4.1
BAR FA 121091	6.0	4.0	4.7	4.0	4.0	4.3	4.0	4.0	4.0	4.1
JS 825	6.3	4.0	4.3	4.3	4.3	4.0	3.7	4.0	4.0	4.1
PSG-GSD	6.0	4.7	4.3	3.7	4.0	3.7	3.7	4.3	4.3	4.1
BLACK TAIL (PPG-TF-150)	5.7	4.3	4.0	3.7	3.7	4.0	4.0	4.3	4.3	4.0
FAYETTE (IS-TF 291)	6.0	4.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
JS 818	6.3	4.3	4.0	4.0	4.0	3.7	4.3	4.0	4.0	4.0
K12-13	6.0	4.3	4.7	3.7	3.7	3.3	3.7	4.3	4.3	4.0
PST-5DZP	6.7	4.7	4.3	4.0	4.0	3.7	3.7	4.0	4.0	4.0
UNITUS (IS-TF 289)	6.7	4.3	4.0	3.7	3.7	4.0	4.0	4.3	4.3	4.0
WARHAWK	5.7	4.0	4.3	4.0	4.0	4.0	3.7	4.0	4.0	4.0
KINGDOM (DB1)	6.0	4.3	4.0	3.7	3.7	3.7	4.0	4.0	3.7	3.9
FRONTLINE (EXP TF-09)	6.0	4.3	4.0	4.0	3.3	3.3	3.7	4.0	3.7	3.8
NIGHTCRAWLER (IS-TF 285)	6.3	4.3	4.0	3.7	3.7	3.7	3.7	3.7	3.7	3.8
BAR FA 121089	6.0	4.3	4.0	4.0	3.3	3.3	3.3	3.7	3.7	3.7
KY-31	3.3	3.0	3.3	3.0	3.0	3.3	2.7	3.0	3.0	3.0
LSD VALUE	1.2	1.8	2.1	3.6	2.5	1.8	2.1	2.1	2.3	1.5
C.V. (%)	10.6	16.3	14.7	15.9	15.4	17.5	18.5	17.7	18.5	13.7

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 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT MISS. ST., MS 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	WINTER COLOR	QUALITY RATINGS												MEAN	
					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
4TH MILLENNIUM SRP (U43)	7.0	7.0	6.3	6.0	6.3	6.3	7.0	7.0	7.0	7.0	6.7	7.0	6.3	6.7	7.0	7.0	7.0	6.8
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	7.0	6.0	6.0	6.7	6.3	7.0	7.0	7.0	6.7	6.7	6.7	6.3	6.7	6.7	6.7	6.7	6.7
FAYETTE (IS-TF 291)	7.0	7.0	6.3	6.0	6.3	6.3	6.3	7.0	7.0	6.7	7.0	6.3	6.3	7.0	7.0	7.0	6.7	6.7
IS-TF 269 SEL	6.7	7.0	6.0	5.7	6.3	6.3	6.7	7.0	7.0	7.0	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7
LEONARDO (LTP-FSD)	7.0	7.0	6.0	6.0	6.0	5.7	6.7	6.7	7.0	6.7	7.0	6.7	6.7	7.0	7.0	7.0	6.7	6.7
TEMPLE (DZ1)	7.0	7.0	6.0	6.0	6.3	6.3	6.7	7.0	7.0	7.0	7.0	6.3	6.3	6.3	7.0	6.7	6.7	6.7
FOXHOUND (IS-TF 284 M2)	7.0	7.0	7.0	6.0	5.7	6.3	6.7	7.0	7.0	7.0	7.3	6.3	6.3	6.7	6.7	6.3	6.6	6.6
REBOUNDER (PICK-W43)	7.0	7.0	6.0	6.0	6.0	5.7	6.3	6.3	7.0	6.7	7.0	6.7	6.7	7.0	7.0	7.0	6.6	6.6
TECHNIQUE (RZ2)	7.0	7.0	6.0	6.0	6.3	6.3	6.3	6.7	7.0	6.7	7.0	6.7	6.3	6.7	6.7	6.7	6.6	6.6
TURFWAY (IS-TF 282 M2)	7.3	6.7	7.0	5.7	6.3	6.3	7.3	7.0	7.0	6.7	7.0	6.3	6.0	6.3	6.3	6.7	6.6	6.6
VALKYRIE LS (PPG-TF-172)	6.3	7.0	6.0	6.0	5.7	5.7	6.7	6.3	6.7	6.7	6.7	6.7	6.7	7.0	7.3	7.0	6.6	6.6
F711	6.3	7.0	6.0	6.0	5.3	5.7	6.3	6.3	7.0	7.0	7.0	6.7	6.3	6.7	6.7	7.0	6.5	6.5
GRANDE 3	6.3	6.3	6.0	6.0	6.0	6.0	6.7	7.0	7.0	6.7	7.0	6.7	6.0	6.7	6.3	6.3	6.5	6.5
JS 916	7.0	7.0	6.0	6.0	6.0	6.0	6.7	6.7	7.0	6.7	6.7	6.0	6.7	6.7	6.7	6.3	6.5	6.5
K12-MCD	7.0	6.3	6.0	6.0	6.0	6.3	6.3	6.3	7.0	6.7	6.7	6.0	6.3	6.7	6.3	7.0	6.5	6.5
MICHELANGELO (LTP-F5DPDR)	6.7	7.0	6.0	6.0	6.0	6.0	6.0	6.3	6.7	6.3	7.0	6.0	6.3	7.0	7.0	7.0	6.5	6.5
THOR (PPG-TF-157)	6.7	7.0	6.0	6.0	5.3	5.7	6.3	6.0	7.0	6.7	7.0	6.7	6.7	6.7	7.0	7.0	6.5	6.5
BAR FA 121095	7.0	6.3	6.0	5.3	6.0	6.3	7.0	7.0	7.0	6.3	6.0	6.0	6.0	6.3	6.0	7.0	6.4	6.4
BLACK TAIL (PPG-TF-150)	6.3	6.7	6.0	6.0	5.7	5.7	6.0	5.7	6.7	6.7	7.0	6.3	6.3	7.0	7.0	6.7	6.4	6.4
K12-05	7.0	6.3	6.0	6.0	5.7	5.7	6.0	6.3	6.7	6.3	6.7	6.3	6.7	7.0	6.7	6.3	6.4	6.4
PPG-TF-169	7.0	7.0	6.0	6.0	5.7	6.3	6.3	6.3	6.7	6.3	7.0	6.7	6.3	6.3	6.7	6.7	6.4	6.4
PSG-P01	7.0	7.0	6.0	6.0	5.7	5.7	6.3	7.0	7.0	6.7	7.0	6.0	6.0	6.7	6.7	6.0	6.4	6.4
RAPTOR III (ZW 44)	6.3	7.0	6.0	6.0	5.3	5.0	6.0	6.0	7.0	6.7	7.0	6.7	6.3	7.0	7.0	7.0	6.4	6.4
REFLECTION (U45)	7.0	7.0	6.0	6.3	5.7	6.0	6.0	6.3	6.7	6.3	7.0	6.3	6.3	6.7	7.0	7.0	6.4	6.4
SUPERSONIC (PPG-TF-170)	7.0	7.0	6.0	6.0	5.7	6.0	6.0	6.7	7.0	6.7	7.0	6.3	6.3	6.7	6.3	6.0	6.4	6.4
AMITY (CCR2)	7.0	6.7	6.0	6.0	5.3	5.3	5.7	5.7	6.7	6.3	7.0	6.7	6.3	6.7	7.0	7.0	6.3	6.3
ATF 1612	7.0	7.0	6.0	6.0	5.3	5.3	5.7	6.0	7.0	6.7	6.7	6.0	6.0	7.0	7.0	7.0	6.3	6.3
ATF 1736	7.0	6.7	6.0	6.0	5.7	5.7	6.0	6.3	6.7	6.7	7.0	6.0	6.0	6.0	6.7	6.3	6.3	6.3
GTO (BURL TF-2)	7.0	7.0	6.0	6.0	5.7	5.7	6.0	6.3	6.7	6.3	6.7	6.0	6.0	7.0	6.7	7.0	6.3	6.3
IS-TF 311	7.0	7.0	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.7	6.3	6.0	6.3	6.7	6.3	6.3	6.3
KINGDOM (DB1)	7.0	7.0	6.0	6.0	5.7	6.0	6.7	6.7	7.0	6.7	6.7	6.0	6.0	6.0	6.0	6.3	6.3	6.3
PARAMOUNT (PPG-TF-137)	7.0	6.7	6.0	6.3	5.7	5.7	5.7	6.0	6.3	6.3	7.0	6.3	6.0	6.7	6.7	6.7	6.3	6.3
PSG-TT4	6.7	6.3	6.0	6.0	6.0	6.3	6.3	6.7	7.0	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.3	6.3
PST-5BP0	6.7	7.0	6.0	6.0	5.7	6.0	6.0	6.7	6.7	6.3	7.0	5.7	6.3	6.3	6.3	6.3	6.3	6.3
PST-5EX2	6.3	6.0	6.0	6.3	6.0	6.3	6.3	7.0	7.0	6.3	7.0	6.0	6.0	6.0	5.7	6.0	6.3	6.3
RAD-TF-83	7.0	7.0	6.0	5.0	6.0	5.7	6.3	6.3	6.7	6.7	6.0	6.0	6.0	6.3	6.3	6.7	6.3	6.3
RAD-TF-92	7.0	6.7	6.0	6.0	5.7	5.7	6.7	7.0	7.0	6.7	6.0	6.3	6.3	6.3	6.0	6.3	6.3	6.3
ROCKWELL (LTP-TWUU)	7.0	7.0	6.0	6.0	5.3	5.7	6.3	6.3	6.7	6.7	7.0	6.0	6.0	6.7	6.3	6.3	6.3	6.3
ROWDY (SRX-TPC)	7.0	7.0	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.7	6.3	6.0	6.3	6.3	6.7	6.3	6.3
SALTILLO (PST-5SALT)	7.0	6.7	6.0	6.0	5.7	6.0	6.3	6.7	6.7	6.7	6.7	6.0	6.0	6.3	6.0	6.3	6.3	6.3
W41	6.3	7.0	5.7	6.0	5.7	5.7	6.0	6.3	6.3	6.7	6.3	6.3	6.0	6.7	6.7	6.7	6.3	6.3
WICHITA (PPG-TF-151)	6.7	6.7	6.0	6.0	5.7	5.7	6.3	6.3	6.7	6.3	6.7	6.0	6.3	6.3	6.3	6.3	6.3	6.3
ATF 1704	6.7	6.3	6.0	6.0	5.0	5.0	6.0	6.0	6.3	6.3	7.0	6.3	6.3	6.7	6.7	6.7	6.2	6.2
BAR FA 121089	7.0	7.0	5.7	5.7	5.7	5.7	6.3	6.3	6.7	6.0	6.7	6.3	6.3	6.0	6.0	6.3	6.2	6.2
EMBRACE (PST-5EV2)	7.0	7.0	5.7	6.0	5.3	5.7	6.0	6.3	6.3	6.7	6.7	6.3	6.3	6.0	6.0	6.7	6.2	6.2

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT MISS. ST., MS 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	WINTER COLOR	QUALITY RATINGS												MEAN
					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
FESNOVA	7.0	6.3	6.0	6.0	5.7	5.3	6.0	6.0	6.7	6.3	7.0	6.0	6.7	6.3	6.3	6.0	6.2
FIRECRACKER SLS (PPG-TF-105)	7.0	6.7	6.0	5.7	5.7	5.7	5.7	6.0	6.7	6.3	6.7	6.0	6.0	6.3	6.7	6.7	6.2
IS-TF 272	7.0	6.3	6.3	6.0	5.3	5.3	5.3	5.7	6.7	6.3	6.7	6.0	6.3	7.0	7.0	7.0	6.2
MAESTRO (T31)	7.0	6.7	6.0	6.0	5.7	5.7	6.3	6.0	6.7	6.7	7.0	6.3	6.0	6.7	6.0	5.7	6.2
MET 1	6.7	7.0	6.0	6.0	5.0	5.7	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.7	6.3	6.7	6.2
REGENERATE	7.0	7.0	6.0	6.0	5.3	5.3	5.3	5.7	6.3	6.3	6.7	6.3	6.7	6.7	6.7	6.7	6.2
RHIZING MOON (IS-TF 305 SEL)	7.0	7.0	6.0	6.0	5.7	5.3	6.0	6.0	6.7	6.3	7.0	6.3	6.0	6.7	6.0	6.3	6.2
XTENDER (PPG-TF-139)	7.0	7.0	6.3	5.7	5.3	5.3	5.3	6.0	6.7	6.7	7.0	6.0	6.3	6.7	6.7	6.7	6.2
BAR FA 121091	6.7	6.7	5.7	5.3	5.7	6.0	6.3	6.3	6.7	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.1
BIZEM	7.0	7.0	6.0	6.0	5.3	5.7	5.7	5.7	6.0	6.3	7.0	6.0	6.0	6.3	6.7	6.7	6.1
FALCON IV	7.0	7.0	6.0	5.7	5.7	6.3	6.0	6.3	7.0	6.3	6.3	5.7	5.7	6.0	6.0	6.0	6.1
FIREBIRD 2	7.0	6.7	6.3	6.0	5.3	5.3	6.0	6.0	6.3	6.3	6.3	6.0	6.0	6.3	6.7	7.0	6.1
FIREWALL (PSG-WE1)	7.0	6.3	6.0	6.0	5.3	5.3	5.7	5.7	6.7	6.3	6.7	6.0	6.0	6.7	6.3	6.3	6.1
HEMI	7.0	6.7	6.0	6.0	5.3	5.3	6.0	5.3	6.7	6.3	6.7	6.0	6.0	6.3	6.7	6.7	6.1
HOVER (BURL TF-69)	7.0	6.7	6.0	6.0	5.7	6.0	6.3	6.3	6.7	6.0	6.3	6.0	6.0	6.0	5.7	6.3	6.1
MEMPHIS (GO-DFR)	6.7	7.0	6.0	6.0	5.7	5.7	6.3	6.3	7.0	6.0	6.0	6.0	5.7	6.0	6.3	6.0	6.1
PPG-TF-135	7.0	7.0	6.0	5.7	5.3	5.3	5.3	5.7	6.3	6.3	7.0	6.0	6.3	6.7	6.3	6.7	6.1
SCREAMER LS (PPG-TF-148)	6.3	7.0	6.0	6.0	5.0	5.0	5.7	5.3	6.0	6.0	6.7	6.3	6.3	6.7	6.7	7.0	6.1
THUNDERSTRUCK (TD1)	7.0	7.0	6.0	5.7	5.3	5.7	6.0	6.0	6.3	6.3	7.0	6.0	6.0	6.0	6.0	6.0	6.1
TITANIUM 2LS (PPG-TF-152)	7.0	7.0	6.0	6.0	5.0	5.3	5.3	5.3	6.0	6.3	6.7	6.3	6.7	6.7	6.7	7.0	6.1
AVENGER II (PPG-TF-156)	7.0	6.7	6.0	6.0	5.0	5.0	5.3	5.7	6.0	6.3	6.7	6.3	6.0	6.3	6.3	6.7	6.0
CAESAR (TY 10)	7.0	7.0	6.0	6.3	5.0	5.7	5.7	6.3	6.7	6.3	6.0	5.7	5.7	6.3	6.3	6.3	6.0
HOT ROD (BURL TF-136)	7.0	7.0	6.0	6.0	5.0	5.0	5.7	5.7	6.3	6.0	6.7	6.0	6.0	6.3	6.3	7.0	6.0
IS-TF 276 M2	6.3	6.7	6.0	5.7	5.3	5.7	5.7	6.0	6.7	6.0	6.3	6.0	6.0	6.3	5.7	6.3	6.0
JS 825	7.0	6.7	5.7	5.3	5.7	6.0	6.3	6.3	6.7	6.0	6.0	5.7	5.7	5.7	5.7	6.0	6.0
MERIDIAN (PST-5GRB)	7.0	6.7	6.0	6.0	5.0	5.0	5.7	5.7	6.3	6.3	6.7	6.0	6.3	6.0	6.3	7.0	6.0
MET-3	7.0	6.7	6.0	6.0	5.3	5.3	5.3	5.7	6.0	6.3	6.7	6.0	6.0	6.3	6.3	6.7	6.0
PPG-TF-115	7.0	6.7	6.0	6.0	5.0	5.7	6.0	6.0	6.0	6.0	6.7	5.7	6.3	6.0	6.3	6.7	6.0
RAD-TF-89	7.0	6.7	6.3	6.0	5.7	5.7	5.7	5.7	6.7	6.3	6.0	5.7	6.0	6.3	6.3	6.3	6.0
TRAVERSE 2 SRP (W45)	7.0	6.7	6.0	6.0	5.3	5.3	5.7	5.7	6.3	6.0	6.7	6.0	6.0	6.3	6.3	6.3	6.0
UNITUS (IS-TF 289)	7.0	7.0	6.0	6.0	5.3	5.3	5.7	6.0	6.3	6.3	6.7	5.7	5.7	6.0	6.3	6.7	6.0
ATF 1754	6.7	6.3	6.0	6.0	5.3	5.3	6.0	5.7	6.3	6.3	6.3	6.0	6.0	5.7	6.3	6.0	5.9
BLOODHOUND (MET 6 SEL)	6.7	7.0	6.0	6.0	5.7	5.0	5.7	5.7	5.7	6.0	6.3	6.3	6.0	6.0	6.0	6.0	5.9
DIABLO (IS-TF 330)	7.3	6.7	6.0	6.3	5.3	5.3	5.7	5.7	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.0	5.9
DYNAMITE LS (PPG-TF-145)	6.7	7.0	6.0	6.0	5.0	4.7	5.7	5.7	6.7	6.3	6.7	6.0	6.0	6.0	6.0	5.7	5.9
FAITH	6.7	6.7	5.7	6.0	5.0	5.7	5.7	5.7	6.0	5.7	6.3	6.0	6.3	6.7	6.0	6.0	5.9
INSPIRATION (PST-R5NW)	6.3	6.3	5.3	5.7	5.3	5.3	5.7	6.0	6.3	6.0	6.7	5.7	5.7	6.0	6.3	6.0	5.9
IS-TF 308 SEL	7.0	7.0	6.0	6.0	5.0	5.0	5.3	5.3	6.3	6.3	7.0	6.0	6.0	6.0	6.3	5.7	5.9
IS-TF-287	6.7	6.7	6.0	6.0	5.0	5.0	5.7	5.7	6.3	6.0	6.7	6.0	5.7	5.7	6.0	6.7	5.9
OLYMPUS (RAD-TF-88)	7.0	6.7	6.7	6.0	5.3	5.3	6.0	6.0	7.0	6.0	6.0	6.0	5.3	6.0	5.7	5.7	5.9
PSG-8BP2	7.0	6.3	5.7	5.7	5.7	5.7	5.3	6.0	6.3	6.0	6.7	5.7	6.0	5.7	6.0	6.0	5.9
PST-5MVD	6.3	6.3	5.7	6.0	5.3	5.3	5.7	5.7	6.3	6.0	6.3	6.0	5.7	6.0	6.3	6.3	5.9
RAIN DANCE (PST-5SDT)	7.0	6.0	6.0	6.0	5.3	5.7	5.7	6.3	6.7	6.0	6.7	5.7	5.7	6.0	5.3	5.3	5.9
TEMPTATION (OR-21)	7.3	7.0	6.0	6.0	6.0	5.7	6.3	6.0	6.3	6.0	6.0	5.7	5.3	6.0	5.7	6.0	5.9
JS 809	7.0	6.7	6.0	5.3	5.7	5.3	6.0	6.0	6.3	5.7	5.7	5.7	5.7	5.7	5.7	6.0	5.8

TABLE 12.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT MISS. ST., MS 1/
2017 DATA

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

NAME	GENETIC				QUALITY RATINGS				MEAN								
	COLOR	GREENUP	LEAF TEXTURE	WINTER COLOR	JAN	FEB	MAR	APR		MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PST-5BRK	6.3	6.7	6.0	6.0	5.3	5.3	5.3	5.7	6.3	6.3	6.3	5.7	5.3	6.0	6.0	6.0	5.8
AQUADUCT	6.3	6.3	5.7	6.0	5.7	5.3	5.7	5.7	6.3	5.7	6.0	5.7	5.7	6.0	5.3	5.3	5.7
ARES (PPG-TF-142)	7.3	6.7	6.0	5.7	5.0	5.0	5.0	5.7	6.3	6.3	5.7	6.0	6.0	6.0	6.0	5.7	5.7
B23	7.0	6.7	6.0	6.0	5.0	5.0	5.0	5.7	6.3	6.3	6.3	5.7	5.7	5.7	5.7	5.7	5.7
BULLSEYE	7.0	6.7	6.0	6.0	5.0	5.0	5.3	5.3	6.0	6.3	6.0	5.7	6.3	6.0	5.7	6.0	5.7
CATALYST	7.0	7.0	5.7	6.0	5.0	5.0	5.3	5.3	6.0	6.0	6.3	6.0	6.0	5.7	5.7	5.7	5.7
FRONTLINE (EXP TF-09)	7.0	7.0	6.0	6.0	5.0	5.0	5.7	6.0	6.3	5.7	5.7	5.3	5.7	5.7	6.0	6.0	5.7
JS 818	7.0	6.7	6.0	5.7	5.3	5.3	6.0	6.0	6.3	6.0	5.7	5.3	5.3	5.7	5.7	5.7	5.7
K12-13	7.0	6.3	6.7	6.0	5.7	5.3	5.7	5.7	6.0	6.3	6.3	5.7	5.3	5.3	5.3	5.3	5.7
PSG-GSD	7.0	7.0	5.7	6.0	5.0	5.7	5.3	5.7	6.0	5.7	6.3	5.7	5.7	5.7	5.7	5.7	5.7
PST-5DZP	7.0	6.7	6.0	5.7	5.3	5.3	5.7	5.7	6.0	6.3	6.0	5.7	5.7	5.7	5.7	5.7	5.7
WARHAWK	6.7	6.7	6.3	6.3	5.7	5.7	6.3	6.3	6.7	5.7	5.7	5.0	5.3	5.7	5.0	5.0	5.7
204 RES. BLK4	6.7	6.7	6.7	6.0	5.7	5.7	6.0	6.0	6.3	6.0	5.7	5.3	5.0	5.0	5.0	5.3	5.6
ANNIHILATOR	6.7	6.0	6.0	6.0	5.3	6.0	6.0	6.0	6.3	5.7	5.7	5.3	5.0	5.0	5.7	5.7	5.6
COMP. RES. SST	6.7	6.3	6.7	6.0	5.7	6.0	6.7	6.3	6.3	5.7	5.3	5.3	5.0	5.0	4.7	5.0	5.6
HOUNDOG8 (IS-TF 307 SEL)	7.0	6.7	6.0	6.0	4.7	5.0	5.0	5.3	5.7	5.7	6.0	5.7	6.0	6.0	6.0	5.7	5.6
MARAUDER	7.0	7.0	6.0	6.0	5.0	5.3	6.0	5.7	6.3	6.0	5.7	5.7	5.7	5.3	5.7	5.0	5.6
RHAMBLER 2 SRP (LSD)	6.7	6.7	5.7	5.7	4.7	4.7	5.0	5.3	6.0	6.3	6.0	5.7	6.0	5.7	6.0	5.7	5.6
SWAGGER (PST-5R05)	7.0	6.7	5.7	6.0	5.3	5.0	5.7	5.3	5.7	5.7	6.0	5.7	5.7	5.7	5.7	5.7	5.6
TERRANO	6.3	6.7	5.3	6.0	5.0	5.0	5.3	5.3	5.7	6.0	5.7	5.7	5.7	5.7	6.0	5.7	5.6
JS 819	7.0	6.7	5.7	5.7	5.0	5.0	5.3	5.7	6.7	6.0	6.0	5.0	5.3	5.7	5.0	5.0	5.5
BAR FA 120878	5.0	6.0	5.0	5.0	5.0	5.7	6.0	5.7	5.0	5.0	5.3	5.3	5.0	5.3	5.0	5.0	5.3
PPG-TF-138	7.0	6.7	5.7	6.0	4.7	4.7	5.0	5.0	5.3	5.3	5.7	5.3	5.7	5.7	5.7	6.0	5.3
FALCON V	6.3	6.7	5.3	6.0	4.0	4.3	4.7	4.7	5.3	5.3	5.3	6.0	5.7	5.7	5.7	5.3	5.2
NIGHTCRAWLER (IS-TF 285)	6.3	6.0	5.0	5.7	3.7	4.3	4.0	4.0	5.0	5.0	5.3	5.3	5.0	5.0	5.0	5.3	4.8
KY-31	4.0	6.0	4.0	4.7	4.0	4.3	4.3	5.0	4.3	4.7	4.3	4.0	4.7	4.3	4.0	4.0	4.3
LSD VALUE	0.6	0.9	0.5	0.5	1.5	2.2	2.2	2.5	1.5	1.1	0.9	1.0	1.1	1.1	1.2	1.3	0.9
C.V. (%)	5.1	5.7	5.1	4.8	11.9	12.9	13.4	13.6	9.9	8.5	8.3	8.5	8.9	9.6	10.3	11.1	7.7

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

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

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	PERCENT GROUND COVER	WINTER COLOR	GRAY AUGUST	LEAF OCTOBER	SPOT	QUALITY RATINGS										
									FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
4TH MILLENNIUM SRP (U43)	8.0	8.0	6.3	99.0	4.3	9.0	4.0	4.7	5.7	6.7	7.7	7.7	7.3	7.7	6.7	7.0	6.9		
PST-5EX2	6.7	7.7	6.7	99.0	5.0	9.0	5.3	5.3	6.3	6.3	7.0	7.7	8.0	7.3	7.0	6.7	6.9		
RAPTOR III (ZW 44)	8.0	8.0	6.0	99.0	4.0	9.0	3.7	4.3	5.3	6.3	8.0	8.3	8.0	7.7	6.3	6.7	6.9		
ROWDY (SRX-TPC)	8.0	8.0	5.7	99.0	4.7	9.0	4.7	4.7	6.0	6.7	7.7	8.0	7.7	7.3	7.0	6.0	6.8		
F711	8.0	8.0	6.7	99.0	4.7	9.0	4.0	4.7	6.0	6.7	7.3	7.7	8.0	7.7	7.3	5.3	6.7		
MET 1	8.0	8.0	6.0	99.0	4.3	8.3	4.3	4.3	5.3	6.3	7.7	8.0	8.0	7.7	7.3	6.0	6.7		
AMITY (CCR2)	8.0	8.0	5.7	99.0	4.3	9.0	3.3	4.3	5.0	6.0	7.7	7.7	7.7	7.3	6.0	6.7	6.6		
MICHELANGELO (LTP-F5DPDR)	8.0	8.0	6.0	99.0	4.0	9.0	3.7	4.3	6.0	6.7	7.3	7.7	7.7	7.3	7.0	5.7	6.6		
PPG-TF-135	8.0	8.0	5.7	99.0	4.0	9.0	3.5	4.0	5.0	6.7	8.0	8.3	7.7	7.3	6.7	6.3	6.6		
PST-5BPO	7.7	7.3	5.3	99.0	4.0	8.3	4.3	4.3	6.0	7.0	7.3	7.3	7.3	6.3	6.7	6.7	6.6		
VALKYRIE LS (PPG-TF-172)	8.0	7.7	6.0	99.0	4.7	8.3	6.5	4.7	5.7	6.7	7.3	7.7	7.7	7.3	7.0	5.5	6.6		
LEONARDO (LTP-FSD)	8.0	8.0	6.3	98.3	4.3	8.3	3.7	5.0	6.3	7.0	7.3	7.3	7.0	6.7	6.7	5.7	6.5		
REGENERATE	8.3	8.0	4.7	98.3	4.3	9.0	4.7	4.3	5.3	5.7	7.0	7.7	7.7	7.3	7.3	6.3	6.5		
SALTILLO (PST-5SALT)	8.0	7.7	5.7	98.3	4.0	8.3	4.3	4.7	5.0	6.0	7.3	7.3	7.0	7.0	7.3	6.7	6.5		
ATF 1754	7.3	8.0	6.7	99.0	4.7	9.0	4.0	4.7	5.7	6.3	7.3	7.7	7.3	7.3	6.7	5.3	6.4		
EMBRACE (PST-5EV2)	7.7	8.0	4.7	98.3	4.0	9.0	4.0	4.3	4.7	5.3	7.3	7.7	7.7	7.0	7.0	6.7	6.4		
TECHNIQUE (RZ2)	8.0	8.0	5.3	99.0	4.7	9.0	3.3	4.3	5.3	5.7	7.3	7.3	8.0	7.7	6.3	5.3	6.4		
TRAVERSE 2 SRP (W45)	8.0	8.0	5.3	98.3	3.7	7.0	5.0	4.0	5.0	5.7	6.7	7.7	7.7	6.7	7.3	6.3	6.4		
WICHITA (PPG-TF-151)	8.3	7.7	5.7	98.3	4.3	9.0	6.0	4.3	5.0	5.7	7.0	7.3	7.3	7.3	6.3	6.7	6.4		
ATF 1612	8.3	8.0	4.7	97.0	3.7	9.0	4.7	4.0	5.3	5.3	6.7	7.0	7.3	7.3	7.3	5.7	6.3		
AVENGER II (PPG-TF-156)	8.0	8.0	5.7	98.3	4.3	9.0	4.0	4.3	5.3	6.0	7.3	7.3	7.3	7.3	6.3	6.0	6.3		
BIZEM	8.0	8.0	6.0	97.7	4.0	9.0	5.3	4.0	5.3	6.7	7.3	7.3	7.3	7.0	6.3	5.7	6.3		
PST-5BRK	8.0	7.3	5.7	98.3	4.0	9.0	4.7	4.7	5.3	6.0	7.0	6.7	6.7	7.0	6.7	6.7	6.3		
RAIN DANCE (PST-5SDT)	7.7	7.7	6.0	99.0	4.7	8.3	4.0	4.7	6.3	7.0	7.7	7.0	6.3	6.0	6.7	5.7	6.3		
SUPERSONIC (PPG-TF-170)	7.3	8.0	5.7	97.7	3.3	9.0	5.0	4.3	5.7	6.3	6.7	7.3	7.0	7.0	7.0	5.7	6.3		
DIABLO (IS-TF 330)	8.0	8.0	5.0	97.7	4.0	9.0	6.0	4.0	4.3	5.3	7.0	7.3	7.7	7.0	7.3	6.0	6.2		
FAITH	7.7	8.0	5.0	97.7	4.7	9.0	4.3	4.3	5.3	6.0	6.7	7.3	7.0	6.7	6.7	6.0	6.2		
GRANDE 3	7.3	7.3	5.7	98.3	4.3	9.0	4.7	4.7	5.0	6.0	6.7	6.7	6.7	7.0	6.3	6.3	6.2		
K12-MCD	8.0	8.0	5.7	99.0	4.0	9.0	3.7	4.3	5.3	6.0	7.0	7.3	7.3	6.3	6.0	5.3	6.2		
KINGDOM (DB1)	8.0	8.0	5.7	97.7	4.0	9.0	4.0	4.0	4.3	6.3	7.3	7.0	7.0	7.0	7.0	5.7	6.2		
MAESTRO (T31)	8.0	8.0	5.0	98.3	4.0	9.0	4.7	4.3	5.3	6.0	6.3	7.7	7.3	7.0	6.7	5.7	6.2		
PARAMOUNT (PPG-TF-137)	8.0	8.0	6.0	97.7	4.0	8.3	3.7	4.7	5.3	6.3	6.7	7.0	7.3	6.7	6.7	6.0	6.2		
TERRANO	8.0	7.3	5.3	99.0	4.0	8.3	5.7	4.0	5.3	6.0	7.3	7.3	7.0	6.7	5.3	6.0	6.2		
THOR (PPG-TF-157)	8.0	8.0	5.3	99.0	4.3	8.3	5.0	5.0	5.7	6.3	7.0	7.0	6.7	6.7	6.7	5.3	6.2		
ATF 1704	7.3	7.7	5.3	98.3	5.0	9.0	5.3	4.3	5.0	5.7	6.7	7.0	7.0	6.7	6.7	6.0	6.1		
BLACK TAIL (PPG-TF-150)	8.0	7.7	4.7	97.7	4.0	9.0	3.3	3.7	4.7	5.3	6.3	7.3	7.3	7.3	6.7	5.7	6.1		
BLOODHOUND (MET 6 SEL)	7.0	7.7	5.7	97.7	4.7	9.0	4.0	4.3	5.0	5.7	6.7	6.7	7.0	6.7	6.7	5.3	6.1		
IS-TF 308 SEL	8.0	8.0	4.3	98.3	4.3	7.7	4.0	4.3	5.0	5.3	6.7	7.3	7.3	7.0	6.3	5.7	6.1		
PPG-TF-115	8.0	7.7	5.3	98.3	3.7	9.0	3.7	4.0	5.3	5.7	7.0	7.3	7.3	7.3	6.7	5.3	6.1		
ROCKWELL (LTP-TWUU)	8.0	8.0	5.0	97.0	4.0	8.3	3.3	4.0	5.0	5.7	6.7	7.3	7.7	7.3	6.7	5.0	6.1		
SCREAMER LS (PPG-TF-148)	7.7	8.0	5.7	99.0	4.0	9.0	3.3	4.3	5.3	6.3	7.0	7.0	6.7	7.0	6.0	5.3	6.1		
W41	8.0	8.0	5.0	97.7	4.3	7.3	5.0	4.3	5.3	6.3	7.0	7.3	7.0	6.3	6.3	5.7	6.1		
ATF 1736	7.0	7.7	5.3	96.3	3.7	9.0	5.3	4.0	5.0	6.0	6.3	7.0	6.7	7.0	6.3	5.7	6.0		
FESNOVA	8.3	7.7	6.0	99.0	4.0	9.0	4.3	4.3	5.0	5.7	6.7	6.7	6.7	6.7	6.7	5.7	6.0		
IS-TF 311	8.0	8.0	5.3	99.0	4.0	7.7	4.7	4.0	4.7	5.0	6.7	7.0	7.0	6.0	6.7	6.0	6.0		

TABLE 13.
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	PERCENT GROUND COVER	WINTER COLOR	GRAY AUGUST	LEAF SPOT OCTOBER	QUALITY RATINGS											MEAN
								FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
JS 916	8.0	8.0	6.0	99.0	4.0	9.0	3.7	4.3	5.7	6.7	7.3	7.0	7.0	7.0	6.0	4.7	4.7	6.0	
PSG-GSD	8.0	7.7	5.3	98.3	3.7	9.0	4.7	4.0	4.7	5.7	7.0	7.3	6.7	6.3	6.0	6.5	6.5	6.0	
RHAMBLER 2 SRP (LSD)	8.0	7.7	5.3	97.0	4.0	9.0	4.3	3.7	4.0	5.3	6.0	7.0	7.3	7.0	7.3	6.0	6.3	6.0	
BULLSEYE	7.7	8.0	4.7	94.3	4.0	9.0	5.0	4.0	4.7	5.3	6.7	7.0	6.3	6.3	6.7	6.3	6.0	5.9	
FIRECRACKER SLS (PPG-TF-105)	7.7	8.0	5.7	97.7	4.0	9.0	3.3	4.3	5.3	6.0	6.7	6.7	7.0	7.0	6.3	5.0	5.0	5.9	
GTO (BURL TF-2)	7.7	8.0	5.3	99.0	4.3	8.3	4.0	4.3	5.7	6.0	6.7	7.3	6.7	6.0	6.5	5.0	5.5	5.9	
SWAGGER (PST-5R05)	8.0	7.7	4.7	97.0	4.0	8.3	5.3	4.0	5.0	5.3	6.0	7.0	6.7	6.3	6.3	6.3	6.0	5.9	
TITANIUM 2LS (PPG-TF-152)	8.0	8.0	4.7	97.0	4.3	9.0	4.0	4.0	5.3	5.3	6.3	6.7	6.3	6.7	7.0	5.3	5.7	5.9	
TURFWAY (IS-TF 282 M2)	8.0	8.0	4.7	97.0	4.3	9.0	6.0	4.0	5.0	5.3	6.0	6.3	6.3	6.7	6.7	6.3	6.3	5.9	
HOUNDOG8 (IS-TF 307 SEL)	8.0	8.0	5.3	97.7	4.3	9.0	3.0	4.3	4.7	5.3	6.7	7.0	7.0	7.0	6.3	5.0	4.7	5.8	
IS-TF 269 SEL	8.0	7.7	4.3	98.3	4.0	8.3	4.7	4.0	4.7	5.7	7.0	7.0	6.7	6.3	6.0	5.3	5.3	5.8	
PPG-TF-138	8.0	7.7	5.3	98.3	4.7	9.0	5.0	4.7	5.0	5.0	6.7	7.0	7.0	6.7	6.0	5.0	5.0	5.8	
PSG-TT4	7.7	8.0	6.0	97.7	4.0	9.0	2.5	4.3	5.3	6.3	7.0	6.3	6.7	6.3	5.7	4.5	4.5	5.8	
REFLECTION (U45)	8.0	8.0	4.3	97.0	4.0	9.0	4.7	4.0	4.3	5.0	6.0	6.3	6.3	6.7	6.7	6.0	6.3	5.8	
TEMPTATION (OR-21)	8.0	7.7	4.3	98.3	4.3	9.0	5.3	4.3	4.7	5.3	6.3	6.7	6.7	6.7	6.0	5.3	5.7	5.8	
FIREBIRD 2	8.0	8.0	5.0	98.3	4.0	8.3	3.7	4.0	4.7	5.3	6.3	7.0	7.0	6.3	6.0	5.3	5.3	5.7	
MET-3	8.0	7.7	5.0	98.3	4.0	9.0	3.5	4.3	5.0	5.3	6.7	7.0	6.7	7.5	5.5	5.0	5.5	5.7	
PST-5MVD	8.0	8.0	5.0	97.7	4.0	8.3	4.0	4.3	5.0	5.7	7.0	6.7	6.3	6.0	5.7	5.0	5.7	5.7	
REBOUNDER (PICK-W43)	8.0	8.0	4.3	96.3	4.0	9.0	4.3	3.3	3.7	4.3	6.3	6.7	7.0	7.7	7.0	5.3	5.3	5.7	
RHIZING MOON (IS-TF 305 SEL)	8.0	8.0	5.0	97.0	3.7	8.3	4.0	4.0	5.0	5.3	6.3	6.7	6.0	5.7	6.0	5.3	6.3	5.7	
XTENDER (PPG-TF-139)	7.7	8.0	4.7	97.0	3.7	9.0	4.7	4.0	4.7	5.0	6.0	6.7	7.3	7.0	6.3	5.0	5.0	5.7	
AQUADUCT	7.3	8.0	5.7	99.0	4.0	8.3	3.0	4.0	4.7	5.7	6.3	6.3	6.0	6.0	7.0	6.0	6.0	5.6	
B23	8.0	8.0	5.0	97.0	4.0	9.0	4.0	4.0	4.3	4.7	5.7	6.7	6.7	6.7	6.3	5.0	5.7	5.6	
FAYETTE (IS-TF 291)	8.0	7.3	5.0	97.0	4.0	8.3	4.7	3.7	4.7	5.3	6.3	6.7	6.7	6.7	6.0	5.0	5.3	5.6	
HOT ROD (BURL TF-136)	8.0	8.0	5.7	96.3	4.0	9.0	3.3	4.0	4.7	5.3	6.3	6.7	7.0	6.7	5.3	4.7	5.0	5.6	
INSPIRATION (PST-R5NW)	8.0	7.7	5.7	98.3	4.3	9.0	4.3	3.7	4.7	5.7	7.0	6.3	6.3	6.0	6.0	5.3	5.0	5.6	
PPG-TF-169	7.7	7.7	4.0	94.3	4.0	9.0	4.0	3.7	4.7	5.0	6.0	6.0	6.0	6.3	7.0	5.7	6.0	5.6	
PSG-8BP2	8.0	7.3	5.3	99.0	3.0	8.3	3.0	4.0	5.0	6.0	6.3	6.3	6.7	6.3	6.0	4.7	5.0	5.6	
UNITUS (IS-TF 289)	8.0	7.7	4.3	97.7	4.0	9.0	3.5	3.7	4.3	4.3	5.7	6.7	6.3	6.0	7.0	6.5	6.5	5.6	
CAESAR (TY 10)	8.0	8.0	5.3	97.7	4.3	7.7	5.0	4.3	5.7	5.7	6.7	6.3	6.3	5.7	5.0	4.0	5.0	5.5	
CROSSFIRE 4 (IS-TF 310 SEL)	8.0	8.0	4.3	97.0	3.7	9.0	4.3	3.7	4.3	4.3	6.3	6.7	6.7	6.7	6.3	5.0	5.3	5.5	
FIREWALL (PSG-WE1)	8.0	8.0	6.0	98.3	4.0	8.3	3.0	4.3	4.7	5.3	6.7	6.7	6.7	6.3	5.3	4.0	5.0	5.5	
IS-TF 276 M2	7.7	7.3	5.7	97.0	4.0	7.7	5.3	4.0	4.7	5.3	5.7	6.0	6.0	6.3	6.0	5.7	5.7	5.5	
JS 819	8.0	8.0	5.0	99.0	4.0	9.0	3.3	4.0	4.7	5.7	7.0	6.7	6.0	5.7	5.7	4.7	5.0	5.5	
MEMPHIS (GO-DFR)	8.0	8.0	5.0	92.7	4.0	7.7	3.5	4.0	4.3	5.3	6.3	6.7	7.5	7.0	5.5	5.5	5.5	5.5	
RAD-TF-89	8.0	8.0	5.0	97.0	3.7	8.3	2.7	4.0	4.3	5.3	7.0	6.3	6.7	6.3	5.7	4.3	5.0	5.5	
THUNDERSTRUCK (TD1)	8.0	8.0	5.0	98.3	4.3	9.0	4.3	4.0	4.3	5.0	6.7	6.7	6.3	6.3	6.0	4.3	5.3	5.5	
FALCON V	8.0	7.7	3.7	95.7	4.0	9.0	3.7	4.0	4.7	4.7	5.3	6.0	6.0	6.0	6.0	5.3	6.0	5.4	
FOXHOUND (IS-TF 284 M2)	8.3	8.0	4.7	95.0	4.3	8.3	5.3	4.0	4.3	5.3	6.0	6.3	6.0	5.7	5.3	5.0	5.5	5.4	
MERIDIAN (PST-5GRB)	8.0	8.0	4.3	94.3	4.0	9.0	5.5	3.7	4.7	5.0	6.0	6.3	7.0	6.5	6.0	6.5	6.5	5.4	
NIGHTCRAWLER (IS-TF 285)	8.0	7.7	4.7	98.3	4.0	8.3	4.0	3.7	4.3	4.7	5.7	6.3	6.3	6.3	5.7	5.0	5.7	5.4	
PSG-PO1	8.0	8.0	4.3	95.0	3.3	9.0	4.3	3.7	4.0	4.3	5.3	6.3	7.0	7.0	6.3	4.7	5.0	5.4	
FRONTLINE (EXP TF-09)	8.0	7.7	4.7	93.7	4.0	9.0	4.5	4.0	4.0	5.3	6.3	6.0	6.5	6.0	5.5	5.5	6.0	5.3	
IS-TF-287	7.3	7.7	5.0	99.0	4.3	7.7	3.5	4.3	5.0	5.0	6.3	6.3	6.0	5.3	5.0	4.5	5.5	5.3	
JS 818	8.0	7.3	4.3	97.0	4.0	7.3	4.7	4.3	4.3	4.7	6.0	6.3	6.3	5.7	5.3	5.0	5.3	5.3	

TABLE 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	PERCENT GROUND COVER	WINTER COLOR	GRAY AUGUST	LEAF OCTOBER	QUALITY RATINGS											
								FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN	
JS 825	7.7	8.0	5.0	97.0	3.7	9.0	3.3	4.0	4.0	5.0	6.0	6.3	6.3	6.0	5.7	4.3	5.0	5.3	
KY-31	5.7	5.0	6.3	97.7	4.0	8.3	4.3	4.0	5.0	5.7	6.3	6.3	5.7	5.0	5.0	4.7	5.0	5.3	
ARES (PPG-TF-142)	8.0	8.0	4.7	97.0	4.0	8.3	3.0	4.0	4.0	4.7	5.7	6.3	6.0	6.3	6.5	4.0	4.0	5.2	
BAR FA 120878	6.3	5.0	6.0	99.0	3.7	9.0	4.0	4.0	4.7	5.3	6.0	6.0	5.0	5.0	5.0	4.5	5.0	5.2	
BAR FA 121089	7.7	7.7	5.3	98.3	3.7	9.0	3.7	4.0	4.3	5.0	6.3	6.3	5.3	5.7	5.7	4.3	4.7	5.2	
BAR FA 121091	7.7	7.0	5.3	97.7	3.3	9.0	4.0	3.3	4.7	5.0	6.3	6.0	5.3	5.3	5.7	5.3	5.0	5.2	
CATALYST	7.7	7.7	3.7	89.0	4.0	8.3	3.0	3.3	4.3	4.3	5.7	6.0	6.3	6.0	6.5	5.5	6.0	5.2	
HEMI	8.0	7.3	4.0	86.7	4.0	9.0	4.0	3.0	3.7	4.0	5.0	5.3	5.7	6.3	6.3	6.0	6.7	5.2	
IS-TF 272	7.7	8.0	3.3	95.7	3.7	9.0	4.0	3.0	3.7	4.3	5.0	5.7	6.3	6.7	6.3	5.3	5.3	5.2	
K12-05	8.0	7.7	4.0	96.3	4.0	9.0	5.0	4.0	4.0	4.3	5.7	6.3	6.3	6.5	6.0	5.0	4.5	5.2	
PST-5DZP	8.0	7.7	4.0	95.7	3.7	8.3	5.3	4.0	4.0	4.0	5.7	6.7	6.0	5.3	5.7	5.3	5.0	5.2	
TEMPLE (DZ1)	8.0	8.0	4.7	95.7	3.7	8.3	3.3	3.7	4.7	5.0	6.0	6.0	6.3	6.0	5.3	4.3	4.7	5.2	
HOVER (BURL TF-69)	8.0	7.7	5.0	97.0	4.0	8.3	3.0	3.7	3.7	4.7	5.7	6.7	6.0	6.0	5.3	4.3	4.7	5.1	
JS 809	8.0	8.0	5.0	98.3	4.0	7.7	4.0	3.7	4.0	4.7	5.7	6.3	6.0	5.7	5.7	4.7	5.0	5.1	
OLYMPUS (RAD-TF-88)	8.0	8.0	4.7	98.3	4.0	9.0	3.3	4.0	4.3	4.7	6.0	6.3	6.3	6.3	5.0	4.0	4.3	5.1	
RAD-TF-83	8.0	7.7	3.7	96.3	3.7	8.3	3.3	3.7	4.0	4.7	5.7	5.7	5.7	5.7	5.3	5.0	5.3	5.1	
BAR FA 121095	7.7	7.0	3.7	95.7	3.7	9.0	3.3	3.3	4.0	4.3	5.7	6.0	5.7	6.0	5.7	4.3	4.7	5.0	
K12-13	8.0	8.0	4.3	97.7	3.7	6.7	5.0	4.0	4.0	4.7	6.0	6.3	6.0	5.0	5.0	4.7	4.7	5.0	
DYNAMITE LS (PPG-TF-145)	8.0	8.0	4.3	89.7	3.7	9.0	4.5	4.0	4.3	4.3	5.3	5.7	6.5	6.5	5.5	5.0	5.0	4.9	
RAD-TF-92	8.0	7.7	4.7	96.3	4.0	9.0	2.5	3.7	4.0	4.3	6.0	6.0	5.7	5.7	5.0	3.5	4.0	4.8	
204 RES. BLK4	8.0	7.7	4.7	97.0	3.7	7.0	4.0	3.7	4.0	5.0	6.0	5.7	4.7	4.3	4.0	3.7	5.0	4.6	
ANNIHILATOR	7.7	7.7	4.7	93.7	3.7	9.0	3.3	3.0	3.7	5.0	5.3	5.7	5.0	4.7	4.7	4.3	4.3	4.6	
FALCON IV	8.0	7.3	4.3	93.7	4.0	9.0	3.5	3.7	4.0	4.0	5.3	5.3	5.0	5.3	5.5	4.5	4.5	4.6	
MARAUDER	7.7	7.3	3.7	93.0	4.3	8.3	3.0	3.3	3.3	3.7	4.7	5.3	5.5	5.5	5.0	4.5	5.0	4.5	
WARHAWK	8.0	7.3	4.0	92.3	4.0	7.3	3.7	3.0	4.3	4.3	4.7	5.3	5.0	5.3	4.7	3.7	4.7	4.5	
COMP. RES. SST	8.0	7.7	3.7	92.3	3.7	7.3	3.0	3.3	3.7	4.0	5.0	5.0	5.0	5.0	4.7	4.3	4.0	4.4	
LSD VALUE	0.5	0.7	1.9	7.3	1.3	4.9	4.4	1.0	1.9	2.5	2.6	1.5	1.3	1.5	1.6	1.8	2.1	1.0	
C.V. (%)	3.9	5.3	18.1	3.1	12.0	11.5	29.3	12.7	17.6	19.3	15.7	11.6	11.2	12.3	13.1	16.4	16.0	9.9	

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 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT MEAD, NE 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL COLOR OCTOBER	QUALITY RATINGS					MEAN		
					APR	MAY	JUN	JUL	AUG		SEP	OCT
AVENGER II (PPG-TF-156)	5.0	3.7	5.7	5.0	4.3	5.0	5.0	6.7	6.0	6.0	5.3	5.5
RAPTOR III (ZW 44)	4.7	4.0	5.7	5.3	4.0	5.3	6.0	6.3	6.0	6.0	5.0	5.5
ROCKWELL (LTP-TWUU)	4.7	3.3	6.0	5.3	4.3	5.0	5.7	6.0	6.0	5.7	5.0	5.4
4TH MILLENNIUM SRP (U43)	5.7	3.3	5.3	5.7	4.0	4.3	5.3	5.7	6.0	6.0	5.7	5.3
ATF 1612	4.7	3.0	5.3	5.0	4.0	4.7	5.3	6.3	6.0	6.0	5.0	5.3
MET 1	5.0	4.0	5.0	5.0	4.3	4.3	5.7	5.3	6.3	6.0	5.3	5.3
RAD-TF-92	5.0	3.0	5.0	6.0	4.0	4.7	5.7	6.0	6.0	6.0	5.0	5.3
REBOUNDER (PICK-W43)	5.3	3.3	5.3	5.3	4.0	4.7	4.7	6.7	6.0	5.7	5.3	5.3
REFLECTION (U45)	5.3	3.0	5.3	5.3	4.0	4.7	5.3	6.3	6.0	6.0	5.0	5.3
TRAVERSE 2 SRP (W45)	5.0	3.3	5.7	5.3	4.0	4.7	5.3	6.3	6.0	5.3	5.3	5.3
AMITY (CCR2)	5.3	3.3	5.3	5.7	4.3	4.3	4.7	5.7	6.0	6.0	5.7	5.2
F711	5.0	3.3	5.3	5.7	4.0	4.3	5.3	6.3	6.0	5.7	5.0	5.2
FIREWALL (PSG-WE1)	5.0	3.3	5.7	5.7	3.7	4.3	5.0	6.0	6.0	6.0	5.7	5.2
GTO (BURL TF-2)	4.7	3.0	5.3	5.0	4.0	4.3	5.3	6.0	5.7	5.7	5.7	5.2
HOT ROD (BURL TF-136)	5.0	3.3	5.3	5.3	4.0	4.7	5.3	6.0	5.7	5.3	5.3	5.2
HOVER (BURL TF-69)	5.0	3.3	5.7	4.7	4.0	4.7	5.0	6.3	6.0	5.3	5.0	5.2
IS-TF 311	5.0	3.0	5.0	5.3	3.7	4.3	5.3	6.3	6.0	6.0	5.0	5.2
JS 916	5.3	3.0	5.7	5.0	4.0	5.0	5.3	5.7	6.0	5.3	5.3	5.2
SUPERSONIC (PPG-TF-170)	4.3	3.7	5.3	5.0	4.0	4.0	5.3	6.3	6.0	5.7	5.3	5.2
THOR (PPG-TF-157)	5.0	3.0	5.3	5.3	3.7	4.7	5.7	6.0	6.0	5.3	5.3	5.2
THUNDERSTRUCK (TD1)	5.7	3.0	5.0	5.0	3.7	5.0	5.7	6.3	5.7	5.3	4.7	5.2
XTENDER (PPG-TF-139)	5.3	3.0	5.7	5.0	4.0	4.7	4.7	6.0	6.0	6.0	5.0	5.2
B23	5.3	3.0	5.0	5.0	3.7	4.3	5.0	6.3	6.0	5.7	5.0	5.1
BLACK TAIL (PPG-TF-150)	4.7	3.7	5.0	5.0	4.0	4.0	5.3	5.7	6.0	5.7	5.0	5.1
BLOODHOUND (MET 6 SEL)	5.0	3.0	5.7	5.7	3.7	4.3	5.3	6.7	5.7	5.7	4.7	5.1
CROSSFIRE 4 (IS-TF 310 SEL)	5.3	3.3	5.7	4.3	4.0	4.7	5.3	6.0	5.7	5.3	4.7	5.1
FAITH	5.3	3.3	5.3	5.0	3.7	4.3	5.0	6.7	6.0	5.3	5.0	5.1
FALCON V	5.0	2.7	5.0	5.0	3.7	4.3	4.7	6.3	6.0	5.7	5.0	5.1
FAYETTE (IS-TF 291)	5.7	3.0	5.3	5.0	4.0	4.3	5.0	6.0	5.7	5.7	5.0	5.1
GRANDE 3	5.3	3.3	5.7	5.0	4.0	4.3	5.0	6.3	6.0	5.3	5.0	5.1
IS-TF 308 SEL	4.3	3.3	5.7	5.3	4.0	4.0	5.0	6.0	6.0	6.0	5.0	5.1
LEONARDO (LTP-FSD)	5.3	3.0	5.0	5.3	4.0	4.3	5.3	5.3	6.0	5.3	5.3	5.1
MAESTRO (T31)	5.0	3.0	5.0	5.0	4.0	4.0	4.7	6.0	6.0	5.7	5.3	5.1
MERIDIAN (PST-5GRB)	4.3	2.7	5.7	5.0	3.7	4.0	5.7	6.0	6.0	5.7	5.0	5.1
PPG-TF-135	4.0	3.7	5.0	5.7	3.7	4.0	5.7	5.7	6.0	6.0	5.0	5.1
PPG-TF-169	4.3	3.0	5.0	5.0	3.7	4.3	5.0	6.0	6.0	6.0	5.0	5.1
REGENERATE	5.0	3.0	5.7	6.0	3.3	4.7	5.0	6.3	6.0	5.7	5.0	5.1
ROWDY (SRX-TPC)	5.0	3.3	5.0	5.0	3.7	4.7	5.3	6.3	5.7	5.0	5.0	5.1
TECHNIQUE (RZ2)	5.0	3.0	5.7	5.3	3.7	4.3	5.0	6.0	6.0	5.7	5.0	5.1
TITANIUM 2LS (PPG-TF-152)	5.3	3.0	5.0	5.0	4.0	4.3	4.7	6.3	6.0	5.7	5.0	5.1
W41	5.0	3.3	5.0	5.0	4.0	4.7	5.0	6.0	5.7	5.3	5.0	5.1
ARES (PPG-TF-142)	6.0	3.0	5.0	4.3	4.0	4.0	4.7	6.0	6.0	5.7	4.7	5.0
ATF 1704	4.3	3.0	5.0	5.0	3.3	4.3	5.3	6.0	5.7	5.0	5.0	5.0
ATF 1754	4.7	2.7	5.7	4.7	3.3	4.0	5.0	6.0	6.0	5.3	5.0	5.0
CATALYST	4.7	3.0	5.3	5.0	3.7	4.3	5.0	6.0	5.7	5.3	5.0	5.0

TABLE 14.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT MEAD, NE 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL COLOR OCTOBER	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
FIREBIRD 2	5.0	3.0	5.7	4.3	3.7	4.0	5.0	6.0	6.0	5.3	5.0	5.0
FIRECRACKER SLS (PPG-TF-105)	5.0	3.0	5.3	5.0	4.0	4.3	5.0	5.3	6.0	5.7	5.0	5.0
FOXHOUD (IS-TF 284 M2)	5.0	3.0	5.7	5.0	3.7	4.3	5.0	6.7	5.3	5.3	4.7	5.0
IS-TF 269 SEL	5.7	3.3	5.7	5.3	4.0	4.7	5.0	6.0	5.7	5.0	5.0	5.0
IS-TF 272	5.7	3.0	5.7	5.0	3.7	4.0	4.7	5.7	5.7	5.7	5.3	5.0
IS-TF-287	5.7	3.0	5.0	5.0	3.3	4.3	5.7	6.0	6.0	5.0	5.0	5.0
K12-05	5.3	3.0	5.7	5.0	3.7	4.3	4.7	5.7	6.0	5.7	4.7	5.0
KINGDOM (DB1)	5.3	3.0	5.3	5.3	3.7	4.7	4.7	5.7	6.0	5.3	5.0	5.0
MET-3	4.3	3.0	5.0	5.0	4.0	4.0	4.7	5.7	6.0	5.7	5.0	5.0
NIGHTCRAWLER (IS-TF 285)	5.7	3.0	5.0	4.0	3.7	4.3	5.0	5.3	6.0	5.7	4.7	5.0
OLYMPUS (RAD-TF-88)	5.7	3.0	5.7	5.0	3.3	4.7	4.7	5.7	6.0	5.3	5.0	5.0
PPG-TF-138	5.3	3.0	5.0	5.0	3.7	4.0	5.3	5.7	6.0	5.3	5.0	5.0
PST-5BP0	5.0	3.0	5.0	5.0	4.0	4.0	5.0	6.0	6.0	5.3	5.0	5.0
SCREAMER LS (PPG-TF-148)	4.3	3.0	5.7	4.7	4.0	4.0	4.3	6.3	6.0	5.0	5.0	5.0
TEMPLE (DZ1)	5.0	3.0	5.0	5.3	3.7	4.0	5.0	6.0	6.0	5.7	5.0	5.0
VALKYRIE LS (PPG-TF-172)	5.3	3.3	5.3	5.0	3.7	4.3	5.0	6.0	6.0	5.3	4.7	5.0
WICHITA (PPG-TF-151)	5.0	3.0	5.3	5.3	3.7	4.0	4.7	6.7	6.0	5.3	5.0	5.0
BIZEM	5.0	3.3	5.0	4.7	3.7	4.0	4.3	5.7	6.0	5.7	5.0	4.9
BULLSEYE	5.3	3.0	5.3	4.7	3.3	4.3	5.0	6.3	5.7	5.0	4.7	4.9
DIABLO (IS-TF 330)	5.7	2.7	5.0	4.7	3.3	4.0	5.0	5.7	6.0	5.7	4.7	4.9
FALCON IV	5.0	3.0	5.0	4.7	4.0	4.3	5.0	5.0	5.7	5.7	4.7	4.9
HEMI	5.0	3.0	5.3	5.0	3.7	4.3	5.3	5.7	5.7	5.0	4.7	4.9
IS-TF 276 M2	5.7	3.0	5.0	4.3	3.7	4.3	4.3	6.3	5.7	5.0	4.7	4.9
MICHELANGELO (LTP-F5DPDR)	5.0	3.0	5.3	5.0	4.0	4.3	4.7	6.0	5.7	5.0	4.3	4.9
PARAMOUNT (PPG-TF-137)	5.0	2.7	5.0	5.0	3.3	4.0	4.7	6.3	5.7	5.3	5.0	4.9
PSG-P01	5.0	3.0	5.3	5.0	4.0	4.3	5.0	6.0	5.7	5.0	4.3	4.9
PST-5BRK	4.7	3.0	5.0	4.3	3.7	4.3	5.0	5.7	5.7	5.3	4.7	4.9
RAD-TF-89	5.7	3.0	6.0	5.0	3.3	4.3	5.0	5.3	6.0	5.3	5.0	4.9
TURFWAY (IS-TF 282 M2)	5.3	3.3	5.7	4.7	3.7	4.3	5.0	5.7	6.0	5.0	4.7	4.9
EMBRACE (PST-5EV2)	5.0	3.0	5.3	5.0	4.0	4.3	4.7	5.3	5.3	5.3	4.3	4.8
FESNOVA	5.3	3.0	5.0	5.0	3.7	4.3	5.0	5.0	5.7	5.0	4.7	4.8
HOUNDOG8 (IS-TF 307 SEL)	5.3	3.0	5.3	5.0	3.7	4.0	4.7	5.7	6.0	5.0	4.7	4.8
INSPIRATION (PST-R5NW)	5.3	3.3	5.0	4.7	4.0	4.3	4.7	5.3	5.3	5.0	5.0	4.8
JS 819	5.3	3.3	5.3	4.7	4.0	4.3	5.0	5.3	5.7	5.0	4.3	4.8
K12-MCD	5.3	3.0	5.0	5.0	3.7	4.0	4.3	6.0	5.7	5.0	5.0	4.8
MEMPHIS (GO-DFR)	5.7	3.0	5.0	4.7	4.0	4.0	4.7	5.3	5.7	5.0	4.7	4.8
PPG-TF-115	5.3	3.0	5.0	5.0	3.3	4.3	5.0	5.7	5.7	5.0	4.3	4.8
PST-5EX2	4.7	4.0	5.0	5.0	4.0	4.0	4.0	5.7	5.7	5.3	5.0	4.8
RHAMBLER 2 SRP (LSD)	5.3	3.0	5.0	5.0	3.7	4.0	4.7	5.3	6.0	5.0	5.0	4.8
RHIZING MOON (IS-TF 305 SEL)	5.7	3.0	5.7	5.0	3.3	4.0	4.7	6.0	5.7	5.0	4.7	4.8
SALTILLO (PST-5SALT)	4.7	3.3	5.0	5.3	4.0	4.0	4.7	5.3	5.7	5.3	4.7	4.8
TERRANO	5.3	3.0	5.0	4.7	4.0	4.7	4.7	5.0	5.7	5.0	4.7	4.8
UNITUS (IS-TF 289)	5.7	3.0	5.0	4.7	3.3	4.0	5.0	6.0	5.7	5.0	4.7	4.8
CAESAR (TY 10)	5.7	3.0	5.3	4.7	3.7	4.3	4.3	5.7	5.3	5.0	4.3	4.7
COMP. RES. SST	5.3	2.7	5.0	4.0	3.3	4.7	4.7	5.3	5.7	5.0	4.0	4.7

TABLE 14.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT MEAD, NE 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL COLOR OCTOBER	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
DYNAMITE LS (PPG-TF-145)	6.0	3.0	5.7	4.3	3.7	4.3	4.0	5.7	6.0	5.0	4.3	4.7
JS 818	5.3	3.0	5.0	4.0	4.0	4.7	4.0	5.3	5.7	5.0	4.3	4.7
K12-13	6.0	3.0	5.3	4.7	3.3	4.0	4.7	5.3	5.7	5.3	4.7	4.7
PSG-8BP2	5.3	3.0	5.0	4.7	4.0	4.0	4.0	5.0	6.0	5.3	4.7	4.7
PSG-GSD	5.3	3.3	5.3	4.7	3.7	4.0	4.7	5.3	5.7	5.0	4.7	4.7
PST-5DZP	5.7	3.0	5.0	4.7	3.7	4.0	4.7	5.3	5.7	5.3	4.3	4.7
PST-5MVD	4.7	3.0	5.0	4.7	3.7	4.0	4.7	5.3	5.7	5.0	4.3	4.7
RAIN DANCE (PST-5SDT)	5.3	3.0	4.7	4.7	4.0	4.0	4.3	5.3	5.3	5.0	4.7	4.7
TEMPTATION (OR-21)	5.3	3.0	5.3	5.0	3.7	4.3	4.7	5.7	5.3	4.7	4.3	4.7
ANNIHILATOR	5.0	2.7	5.3	4.0	3.7	4.0	4.3	5.0	5.7	5.0	4.7	4.6
BAR FA 121089	5.3	3.0	5.3	4.7	3.3	4.0	4.3	5.0	5.3	5.0	5.0	4.6
BAR FA 121095	5.0	3.0	5.3	4.0	3.3	4.0	5.0	5.7	5.3	4.7	4.3	4.6
FRONTLINE (EXP TF-09)	5.7	3.0	5.0	4.3	4.0	4.0	4.0	5.3	5.7	4.7	4.3	4.6
JS 809	5.7	3.0	5.3	4.3	4.0	4.0	4.3	5.7	5.3	4.7	4.3	4.6
JS 825	5.3	3.0	5.0	4.3	3.7	4.0	4.3	5.0	5.7	5.0	4.7	4.6
PSG-TT4	5.3	3.0	5.0	4.3	4.0	4.0	4.0	5.0	5.7	5.0	4.3	4.6
RAD-TF-83	5.0	3.0	5.0	5.0	3.7	4.0	4.3	5.0	5.7	5.0	4.7	4.6
REBEL V (ATF 1736)	5.3	2.7	5.0	5.0	3.3	4.0	4.7	3.7	6.0	5.7	5.0	4.6
MARAUDER	5.0	2.3	5.7	4.0	3.3	4.0	4.3	5.0	5.7	5.0	4.3	4.5
SWAGGER (PST-5R05)	5.3	3.0	5.0	5.0	3.7	4.0	4.3	5.3	5.0	4.7	4.3	4.5
204 RES. BLK4	5.0	3.0	5.7	4.3	3.3	4.0	4.7	5.0	5.0	5.0	4.0	4.4
AQUADUCT	4.7	3.0	5.0	4.3	4.0	4.0	4.3	5.0	5.0	4.7	4.0	4.4
BAR FA 121091	6.0	3.0	5.0	4.7	3.3	4.0	4.0	5.0	5.3	5.0	4.3	4.4
WARHAWK	5.3	2.7	5.3	4.3	3.3	4.0	4.0	5.0	5.3	5.0	4.3	4.4
BAR FA 120878	4.7	3.0	4.0	4.0	3.7	4.0	3.3	4.3	5.0	5.0	4.0	4.2
KY-31	3.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0	4.0	3.7	3.0	3.2
LSD VALUE	1.0	0.7	0.8	0.8	1.4	1.3	1.2	1.1	0.9	0.9	0.9	0.4
C.V. (%)	10.0	11.3	7.9	9.7	11.4	11.0	12.2	10.8	7.0	8.6	9.6	5.2

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

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

TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK, NJ 1/
2017 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
4TH MILLENNIUM SRP (U43)	6.3	8.7	8.7	7.7	8.3	9.0	8.3	9.0	8.5
REFLECTION (U45)	5.7	8.7	9.0	8.0	8.0	8.7	9.0	8.3	8.5
BIZEM	5.7	9.0	9.0	8.0	7.7	8.7	8.7	7.7	8.4
BLACK TAIL (PPG-TF-150)	6.3	8.7	9.0	8.3	8.0	8.7	8.7	7.7	8.4
REGENERATE	6.3	8.7	9.0	8.0	8.7	8.7	7.7	8.3	8.4
TITANIUM 2LS (PPG-TF-152)	6.0	9.0	8.0	7.3	8.0	8.7	8.7	9.0	8.4
RAPTOR III (ZW 44)	7.0	8.7	8.3	7.7	8.0	8.3	8.0	8.7	8.2
TRAVERSE 2 SRP (W45)	6.0	8.7	9.0	8.3	7.3	8.0	7.3	8.7	8.2
RHAMBLER 2 SRP (LSD)	5.7	8.7	8.0	8.3	7.7	8.7	7.3	8.3	8.1
AMITY (CCR2)	6.3	8.7	8.3	7.7	7.3	8.7	7.7	7.3	8.0
AVENGER II (PPG-TF-156)	6.3	9.0	8.7	7.0	7.3	8.0	8.3	7.7	8.0
B23	5.7	8.7	8.0	8.0	8.0	8.0	8.7	7.0	8.0
CROSSFIRE 4 (IS-TF 310 SEL)	5.7	8.0	8.3	7.3	7.3	7.7	8.7	8.3	8.0
F711	6.0	8.0	8.3	8.3	8.3	8.7	6.7	7.3	8.0
IS-TF 308 SEL	5.3	8.7	8.3	7.3	7.7	7.7	8.0	8.3	8.0
JS 916	5.3	7.7	8.7	7.3	8.0	8.0	8.0	8.3	8.0
MERIDIAN (PST-5GRB)	6.0	8.0	8.3	8.3	8.0	7.3	8.0	8.3	8.0
MET 1	6.3	8.7	9.0	6.7	7.7	8.0	8.0	8.0	8.0
PARAMOUNT (PPG-TF-137)	6.3	8.3	8.3	8.3	7.0	8.0	8.3	8.0	8.0
ROWDY (SRX-TPC)	6.0	9.0	8.7	8.3	8.0	8.0	7.0	7.3	8.0
SCREAMER LS (PPG-TF-148)	6.7	8.7	8.0	7.3	7.3	8.3	8.0	8.3	8.0
VALKYRIE LS (PPG-TF-172)	6.0	9.0	9.0	7.3	7.7	7.3	7.3	8.0	8.0
FIRECRACKER SLS (PPG-TF-105)	5.3	8.0	8.3	7.0	7.7	8.0	8.0	8.3	7.9
REBOUNDER (PICK-W43)	6.0	8.7	8.7	8.3	6.3	7.7	7.7	8.0	7.9
TECHNIQUE (RZ2)	6.0	8.7	8.3	8.7	7.3	8.0	6.3	8.0	7.9
W41	5.7	8.3	8.0	7.0	8.0	8.0	7.3	8.7	7.9
EMBRACE (PST-5EV2)	5.7	8.3	8.3	7.7	7.7	7.7	8.0	7.0	7.8
ATF 1612	6.0	8.3	8.0	8.0	7.0	8.7	7.0	6.7	7.7
CATALYST	6.3	9.0	7.0	8.0	7.3	6.7	8.3	7.7	7.7
FAYETTE (IS-TF 291)	5.7	9.0	7.7	7.3	7.3	8.0	7.7	7.0	7.7
IS-TF-287	6.0	7.0	7.3	7.3	8.3	8.3	8.3	7.3	7.7
NIGHTCRAWLER (IS-TF 285)	5.0	7.0	7.7	7.3	7.3	7.7	8.3	8.7	7.7
RAD-TF-92	5.7	9.0	8.0	7.7	7.3	7.3	7.3	7.0	7.7
THOR (PPG-TF-157)	6.3	8.7	8.0	7.3	7.3	7.7	7.7	7.3	7.7
BULLSEYE	5.3	7.7	8.7	7.3	7.3	7.7	7.7	7.0	7.6
FIREBIRD 2	6.0	8.7	7.7	7.0	7.3	9.0	6.0	7.3	7.6
HOUNDG8 (IS-TF 307 SEL)	4.7	8.0	8.0	6.7	6.7	8.0	8.3	7.7	7.6
204 RES. BLK4	6.0	9.0	8.0	7.7	6.0	8.0	7.0	6.7	7.5
IS-TF 269 SEL	5.0	8.0	8.3	7.3	6.3	7.3	8.0	7.3	7.5
MET-3	6.0	8.3	8.3	6.7	7.0	7.3	7.7	7.0	7.5
PPG-TF-135	6.0	8.7	8.0	7.7	7.0	7.3	6.7	7.3	7.5
TEMPLE (DZ1)	6.0	8.0	7.3	7.7	7.0	7.0	7.3	8.0	7.5
WICHITA (PPG-TF-151)	6.3	8.0	7.3	7.7	7.0	7.3	8.0	7.3	7.5
XTENDER (PPG-TF-139)	5.7	8.3	7.3	7.7	7.0	8.0	7.3	6.7	7.5
ATF 1704	7.0	7.7	6.7	6.0	7.7	8.3	8.3	7.0	7.4

TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK, NJ 1/
2017 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
HOT ROD (BURL TF-136)	6.0	7.7	7.3	7.0	7.7	7.3	7.7	7.3	7.4
HOVER (BURL TF-69)	6.3	9.0	8.3	7.7	5.3	7.3	7.0	7.3	7.4
ROCKWELL (LTP-TWUU)	6.0	8.0	8.7	7.0	7.0	8.0	6.7	6.7	7.4
ARES (PPG-TF-142)	3.0	7.7	7.7	7.7	7.0	6.7	7.0	7.3	7.3
FALCON V	6.7	7.0	7.7	7.3	7.0	7.0	7.7	7.3	7.3
GRANDE 3	6.7	8.3	7.3	7.7	6.7	6.7	7.0	7.3	7.3
GTO (BURL TF-2)	6.3	7.0	7.3	7.7	7.3	8.0	6.3	7.3	7.3
PSG-P01	5.7	7.7	8.7	6.7	7.0	7.0	7.3	6.7	7.3
SUPERSONIC (PPG-TF-170)	6.0	8.0	7.3	7.3	6.0	7.0	7.3	8.0	7.3
BLOODHOUND (MET 6 SEL)	6.3	7.7	7.0	7.3	7.0	7.0	7.3	7.0	7.2
HEMI	5.3	7.3	8.0	8.3	7.7	6.0	6.3	6.7	7.2
IS-TF 311	6.0	7.3	7.7	6.3	6.7	8.0	6.7	7.7	7.2
PPG-TF-169	6.7	8.3	6.7	6.7	7.0	7.3	7.3	7.3	7.2
TURFWAY (IS-TF 282 M2)	5.7	7.3	8.3	6.0	6.3	7.7	7.0	7.7	7.2
DYNAMITE LS (PPG-TF-145)	3.7	7.7	7.3	6.3	6.3	7.0	7.0	8.0	7.1
KINGDOM (DB1)	4.3	8.3	7.7	7.0	6.3	7.0	7.3	6.3	7.1
PPG-TF-138	5.7	7.7	7.7	6.3	6.3	7.0	7.0	7.7	7.1
RAD-TF-89	5.7	6.7	7.7	7.0	6.7	7.3	6.7	7.7	7.1
RHIZING MOON (IS-TF 305 SEL)	5.0	7.7	7.7	6.0	7.0	7.0	7.7	6.7	7.1
ATF 1754	6.0	7.0	6.7	6.7	7.0	7.3	7.3	7.3	7.0
DIABLO (IS-TF 330)	4.7	7.7	7.7	7.0	6.0	6.3	7.0	7.7	7.0
FIREWALL (PSG-WE1)	6.0	7.3	7.7	7.3	7.3	6.7	5.3	7.0	7.0
FOXHOUND (IS-TF 284 M2)	5.3	8.3	7.7	7.0	6.7	6.0	6.7	6.7	7.0
IS-TF 272	4.3	7.7	8.0	6.3	5.3	7.3	7.0	7.0	7.0
K12-05	4.7	7.3	8.3	7.3	7.3	5.7	5.7	7.3	7.0
K12-13	4.0	7.0	8.7	7.0	6.0	6.7	6.7	7.3	7.0
MAESTRO (T31)	6.3	6.3	7.3	7.7	7.3	7.0	6.3	7.0	7.0
SALTILLO (PST-5SALT)	5.7	7.3	7.7	7.0	6.7	6.7	8.0	6.0	7.0
MICHELANGELO (LTP-F5DPDR)	6.0	8.0	6.3	6.7	6.3	6.3	7.3	6.7	6.8
OLYMPUS (RAD-TF-88)	5.7	9.0	9.0	7.3	6.7	7.0	4.3	4.3	6.8
REBEL V (ATF 1736)	6.7	7.3	7.0	6.3	6.3	6.7	6.7	7.0	6.8
PST-5BPO	6.7	6.7	6.0	7.3	6.7	6.3	7.0	6.7	6.7
PST-5DZP	4.7	7.0	8.0	7.0	6.0	6.0	6.3	6.3	6.7
IS-TF 276 M2	5.0	8.3	7.3	5.3	5.3	6.0	7.7	6.0	6.6
LEONARDO (LTP-FSD)	6.0	7.3	7.3	6.3	6.3	6.7	6.0	6.0	6.6
CAESAR (TY 10)	5.7	7.3	7.3	5.7	5.7	5.3	7.3	6.7	6.5
FESNOVA	6.0	7.3	7.0	6.7	7.0	6.0	5.7	6.0	6.5
JS 818	4.7	7.3	7.0	6.3	5.7	6.3	6.3	6.3	6.5
K12-MCD	6.3	7.3	6.0	6.7	6.0	6.7	7.0	6.0	6.5
MEMPHIS (GO-DFR)	4.7	8.0	7.3	7.3	5.3	5.7	5.3	6.3	6.5
PPG-TF-115	5.7	8.0	7.3	6.7	6.7	5.7	5.3	6.0	6.5
PSG-GSD	6.3	8.0	6.0	7.0	5.7	6.3	6.3	6.0	6.5
TERRANO	4.7	7.3	7.3	6.0	6.0	6.3	6.0	6.7	6.5
FAITH	6.0	6.7	7.3	7.3	6.7	5.3	5.3	6.0	6.4
PST-5BRK	5.3	7.3	7.0	6.7	5.3	5.7	6.3	5.7	6.3

TABLE 15. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK, NJ 1/
2017 DATA

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

NAME	SPRING GREENUP	APR	MAY	QUALITY RATINGS					MEAN
				JUN	JUL	AUG	SEP	OCT	
PST-5MVD	6.3	6.3	7.7	6.3	6.0	6.0	5.7	6.3	6.3
JS 809	4.7	7.0	7.0	5.3	5.3	5.3	6.7	6.7	6.2
SWAGGER (PST-5R05)	5.3	7.0	5.7	7.0	5.7	6.0	5.7	6.3	6.2
COMP. RES. SST	5.0	6.7	8.3	6.0	4.7	6.0	6.0	5.3	6.1
THUNDERSTRUCK (TD1)	4.7	7.0	6.7	6.0	5.3	5.7	4.7	6.7	6.0
UNITUS (IS-TF 289)	4.0	5.7	6.3	5.3	6.7	6.3	6.0	5.7	6.0
BAR FA 121095	5.0	5.7	6.3	6.0	5.3	6.0	5.3	6.3	5.9
TEMPTATION (OR-21)	4.7	8.0	7.3	5.0	4.3	5.3	5.7	5.3	5.9
FALCON IV	7.0	6.0	6.0	6.3	5.0	5.3	6.0	5.3	5.7
AQUADUCT	5.3	5.7	5.7	5.3	4.7	6.0	5.7	6.0	5.6
RAD-TF-83	6.0	6.3	7.7	5.7	4.7	5.0	5.3	4.3	5.6
RAIN DANCE (PST-5SDT)	6.0	5.3	5.3	5.7	5.7	6.0	5.7	5.7	5.6
INSPIRATION (PST-R5NW)	5.7	6.7	5.0	6.0	5.0	5.0	5.3	5.3	5.5
JS 819	5.0	6.3	5.7	5.0	5.0	4.7	6.3	5.7	5.5
PST-5EX2	8.0	5.7	6.3	5.7	4.7	5.7	5.3	5.3	5.5
MARAUDER	5.7	9.0	7.0	5.3	3.3	4.3	5.0	4.0	5.4
PSG-8BP2	5.7	6.0	5.7	5.3	5.7	5.3	4.3	5.7	5.4
BAR FA 121089	7.3	6.3	6.3	5.7	4.3	5.0	4.7	4.7	5.3
PSG-TT4	7.3	6.7	6.0	5.3	5.0	4.7	5.3	4.0	5.3
ANNIHILATOR	5.0	7.0	6.0	6.3	4.3	5.0	4.0	3.7	5.2
FRONTLINE (EXP TF-09)	4.7	6.7	6.0	5.0	3.7	4.7	5.0	4.7	5.1
BAR FA 121091	4.7	5.7	5.3	5.0	4.0	4.7	5.3	5.3	5.0
WARHAWK	3.3	6.3	5.7	5.3	3.7	4.0	4.0	4.0	4.7
JS 825	3.0	5.3	5.7	4.7	3.7	3.3	4.0	4.0	4.4
BAR FA 120878	8.7	2.0	2.3	2.3	1.7	2.7	2.0	2.7	2.2
KY-31	8.7	1.0	1.3	1.0	1.0	1.0	1.0	1.0	1.0
LSD VALUE	1.0	1.8	1.6	1.5	1.8	1.7	3.0	1.8	1.0
C.V. (%)	11.7	14.3	13.3	13.9	17.5	15.8	23.3	16.2	9.9

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 16.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT ADELPHIA, NJ 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	BROWN PATCH WARM TEMP.	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
REGENERATE	9.0	8.0	6.0	6.7	8.0	7.3	5.3	8.0	7.0	8.0	7.7	7.3
THOR (PPG-TF-157)	8.3	9.0	7.7	7.0	7.7	7.7	7.0	7.0	7.3	7.3	7.0	7.3
MET 1	8.0	7.0	6.7	7.7	7.0	7.3	6.3	7.7	6.3	6.3	7.0	7.0
AMITY (CCR2)	7.3	8.0	6.7	6.7	6.0	7.7	6.3	7.3	6.3	6.7	7.0	6.8
TITANIUM 2LS (PPG-TF-152)	7.7	9.0	5.7	6.3	7.3	7.0	5.7	7.0	7.0	6.3	7.7	6.8
4TH MILLENNIUM SRP (U43)	8.3	8.0	6.0	6.7	6.3	7.3	5.3	7.7	6.0	6.3	7.7	6.7
AVENGER II (PPG-TF-156)	7.7	9.0	6.3	6.7	7.0	7.3	6.0	7.0	6.3	6.7	6.3	6.7
FIRECRACKER SLS (PPG-TF-105)	8.0	9.0	6.3	5.7	6.7	7.3	6.3	7.3	6.0	6.7	7.3	6.7
GTO (BURL TF-2)	8.0	8.0	6.7	7.3	5.7	7.3	6.3	7.3	6.0	5.7	6.0	6.5
PARAMOUNT (PPG-TF-137)	7.3	9.0	6.7	5.3	6.7	6.0	7.0	6.7	5.7	7.0	7.7	6.5
PPG-TF-135	7.3	8.0	5.7	6.3	6.0	6.7	6.0	7.3	6.0	6.0	7.3	6.5
REFLECTION (U45)	8.0	9.0	7.0	6.0	6.7	7.3	5.7	7.0	6.3	6.0	6.7	6.5
SCREAMER LS (PPG-TF-148)	8.3	8.0	7.3	6.7	6.3	7.3	6.0	7.3	5.7	5.7	7.0	6.5
SUPERSONIC (PPG-TF-170)	6.7	7.0	6.7	6.0	5.7	7.0	6.7	7.0	6.0	6.3	7.0	6.5
FIREWALL (PSG-WE1)	8.0	8.7	5.3	6.3	5.7	6.0	4.7	7.3	6.0	6.3	7.7	6.3
GRANDE 3	7.7	8.0	5.3	6.7	5.7	6.0	5.3	6.7	5.7	6.3	7.7	6.3
HOT ROD (BURL TF-136)	7.0	7.7	6.0	5.3	5.3	6.7	6.0	7.0	6.7	6.3	7.3	6.3
HOVER (BURL TF-69)	8.7	9.0	3.3	7.3	7.0	7.0	4.7	6.3	6.3	4.7	6.7	6.3
IS-TF 308 SEL	7.7	7.3	6.7	5.7	7.0	7.0	5.3	7.3	6.3	5.3	6.3	6.3
REBOUNDER (PICK-W43)	7.7	8.0	4.7	6.3	6.0	6.3	5.0	7.7	6.0	6.0	7.0	6.3
TRAVERSE 2 SRP (W45)	7.3	7.0	4.3	6.0	7.0	7.3	4.0	6.3	6.3	6.3	7.0	6.3
VALKYRIE LS (PPG-TF-172)	8.0	8.0	6.7	5.0	6.3	6.7	6.3	6.7	6.0	6.0	7.0	6.3
ATF 1612	7.7	9.0	4.3	6.7	5.7	6.3	5.0	6.7	6.3	6.0	6.7	6.2
BIZEM	8.0	8.0	7.0	6.0	5.3	6.7	6.0	7.0	5.3	5.3	7.7	6.2
CROSSFIRE 4 (IS-TF 310 SEL)	8.0	8.0	5.7	5.3	7.0	7.0	5.0	6.7	6.0	6.0	6.7	6.2
OLYMPUS (RAD-TF-88)	8.3	8.7	2.7	6.7	6.7	6.7	3.3	6.0	6.3	6.7	7.3	6.2
RAPTOR III (ZW 44)	7.3	7.0	5.3	6.7	6.7	6.7	4.7	6.3	6.0	5.0	7.7	6.2
HEMI	7.3	8.3	6.7	5.3	7.3	6.3	4.7	6.7	5.3	5.3	7.7	6.1
ROCKWELL (LTP-TWUU)	8.0	8.0	4.3	7.3	5.7	6.7	4.0	6.3	6.3	6.0	6.7	6.1
ROWDY (SRX-TPC)	7.3	7.3	6.7	6.0	5.7	7.7	5.7	7.0	5.7	5.0	6.3	6.1
BLACK TAIL (PPG-TF-150)	7.0	7.7	5.0	6.0	6.7	7.0	4.7	6.3	5.0	5.3	6.7	6.0
FAYETTE (IS-TF 291)	8.3	8.0	6.7	5.7	5.7	7.3	5.0	7.0	6.0	6.0	5.3	6.0
FIREBIRD 2	7.7	7.0	5.3	5.7	6.3	7.0	5.0	6.0	6.0	5.3	6.7	6.0
MAESTRO (T31)	7.3	7.3	7.3	6.3	5.7	6.0	6.3	6.7	5.0	6.0	6.3	6.0
MET-3	7.7	8.3	6.0	6.7	6.0	7.0	5.0	6.7	5.3	4.7	6.7	6.0
XTENDER (PPG-TF-139)	7.3	9.0	4.7	6.3	6.0	6.0	5.0	6.0	6.3	5.7	7.0	6.0
ATF 1704	6.7	7.0	6.3	4.3	5.0	7.0	6.0	6.3	5.7	6.3	6.7	5.9
IS-TF-287	8.0	8.7	5.0	6.0	6.0	7.0	5.0	6.7	6.0	5.0	5.7	5.9
MERIDIAN (PST-5GRB)	6.7	8.0	3.7	5.7	6.3	7.0	4.7	7.0	5.7	5.0	6.0	5.9
TEMPLE (DZ1)	7.7	8.0	3.7	5.0	6.0	6.0	5.0	6.0	6.3	5.7	7.0	5.9
B23	8.3	8.7	5.0	5.0	6.7	6.7	4.7	6.0	5.7	6.3	5.3	5.8
BLOODHOUND (MET 6 SEL)	7.0	7.0	6.0	6.3	5.3	6.3	5.0	6.7	5.3	5.3	6.3	5.8
FAITH	8.0	8.0	5.0	6.3	5.3	6.7	4.3	6.0	5.3	5.3	6.7	5.8
FOXHOUND (IS-TF 284 M2)	8.7	9.0	7.0	5.0	6.0	5.7	5.3	6.0	6.0	5.3	7.3	5.8
IS-TF 269 SEL	8.3	7.0	4.7	5.3	6.7	7.0	4.0	6.3	6.0	5.7	5.7	5.8

TABLE 16.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT ADELPHIA, NJ 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	BROWN PATCH WARM TEMP.	QUALITY RATINGS									MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
IS-TF 311	7.0	8.0	5.3	6.0	5.3	7.3	4.7	6.7	5.7	5.3	5.3	5.8	
MICHELANGELO (LTP-F5DPDR)	6.7	7.7	6.3	6.3	6.0	7.0	5.3	5.7	5.0	4.7	6.0	5.8	
PPG-TF-138	7.7	7.7	6.0	5.7	5.3	6.3	4.7	6.3	5.7	5.7	6.7	5.8	
PPG-TF-169	6.3	7.0	4.3	5.7	5.0	5.0	4.3	7.3	5.7	6.3	7.3	5.8	
PSG-P01	7.7	7.7	5.0	6.0	5.7	7.0	4.3	6.0	6.0	5.7	6.0	5.8	
TECHNIQUE (RZ2)	7.0	7.0	4.7	6.0	5.0	7.3	4.3	6.3	6.0	5.3	5.7	5.8	
WICHITA (PPG-TF-151)	7.0	7.0	6.3	5.7	6.7	7.0	6.0	6.0	4.3	5.0	5.7	5.8	
EMBRACE (PST-5EV2)	7.3	6.0	6.7	6.0	6.0	7.0	5.0	6.0	5.0	4.7	6.0	5.7	
FALCON V	7.3	7.7	6.7	5.0	4.3	5.7	5.3	5.7	6.0	5.7	7.7	5.7	
RAD-TF-92	8.7	7.7	2.0	6.7	6.0	6.7	3.3	5.7	6.0	4.7	6.3	5.7	
JS 916	8.0	7.7	5.7	6.0	5.3	5.3	4.7	6.7	5.3	5.0	6.3	5.6	
K12-05	8.3	8.7	3.7	4.7	6.0	7.0	4.7	6.7	6.7	3.7	5.3	5.6	
LEONARDO (LTP-FSD)	7.0	7.7	6.7	5.3	5.0	7.0	5.7	5.7	5.0	5.3	6.0	5.6	
PPG-TF-115	7.0	7.7	6.7	5.3	5.3	5.3	5.3	6.7	5.7	4.7	6.7	5.6	
F711	6.7	8.0	6.0	5.7	5.3	6.0	4.3	5.7	5.3	5.7	6.0	5.5	
RAD-TF-89	8.0	8.7	3.0	7.0	6.3	5.3	3.7	5.0	5.7	4.7	6.0	5.5	
TURFWAY (IS-TF 282 M2)	8.0	7.0	5.7	5.7	6.7	5.7	4.0	5.7	5.7	4.7	6.3	5.5	
W41	8.0	8.0	4.3	6.7	6.0	6.0	4.7	5.0	5.0	4.7	6.3	5.5	
PST-5BPO	7.3	6.3	4.7	5.7	5.7	6.0	4.3	6.0	5.0	4.3	6.0	5.4	
RAD-TF-83	8.3	7.3	2.7	6.0	6.0	5.0	3.7	5.7	5.7	5.0	6.0	5.4	
RHIZING MOON (IS-TF 305 SEL)	8.0	8.0	4.0	4.7	5.7	6.0	4.0	5.7	5.7	5.0	6.3	5.4	
THUNDERSTRUCK (TD1)	8.3	7.0	5.7	4.7	5.3	6.0	5.3	6.7	6.0	3.7	5.3	5.4	
ATF 1754	6.3	8.0	4.3	6.0	5.0	5.0	4.3	5.7	5.0	4.7	6.3	5.3	
IS-TF 272	8.3	7.7	3.3	4.7	5.3	5.7	4.3	4.3	5.7	5.3	6.7	5.3	
RHAMBLER 2 SRP (LSD)	7.0	7.0	7.0	4.3	4.7	5.7	5.3	5.7	5.0	5.0	5.7	5.2	
DIABLO (IS-TF 330)	8.0	8.3	4.0	4.3	5.7	6.7	4.3	5.7	5.0	5.0	4.3	5.1	
SALTILLO (PST-5SALT)	7.0	7.0	4.3	4.7	6.0	6.3	4.0	4.7	5.3	5.0	5.0	5.1	
BAR FA 121095	8.3	6.0	4.0	4.7	5.7	6.0	3.3	5.3	5.7	3.7	6.0	5.0	
K12-MCD	6.3	6.0	3.7	5.3	5.3	5.7	4.0	6.0	4.3	4.0	5.0	5.0	
REBEL V (ATF 1736)	7.3	6.0	5.7	5.0	5.0	6.3	4.0	5.0	5.0	4.0	6.0	5.0	
HOUNDOG8 (IS-TF 307 SEL)	8.0	8.0	6.0	4.7	5.0	5.3	4.3	5.3	5.0	4.3	5.3	4.9	
IS-TF 276 M2	8.0	7.7	4.7	4.7	5.0	4.7	3.7	5.0	5.3	4.7	6.0	4.9	
NIGHTCRAWLER (IS-TF 285)	8.0	8.0	6.0	4.0	5.3	5.7	4.0	6.0	5.0	4.7	4.3	4.9	
PST-5MVD	7.3	6.0	5.0	4.7	4.3	5.3	5.0	5.7	4.0	4.3	5.7	4.9	
BULLSEYE	7.7	7.0	5.0	4.7	4.0	5.7	4.3	5.3	4.7	4.3	5.0	4.8	
DYNAMITE LS (PPG-TF-145)	8.3	9.0	5.7	4.0	4.3	5.0	4.7	4.7	5.3	4.7	5.3	4.8	
KINGDOM (DB1)	8.7	7.3	4.3	4.0	5.7	5.7	4.3	5.3	5.3	3.3	4.3	4.8	
204 RES. BLK4	7.0	7.7	1.7	4.3	6.0	6.0	2.0	4.3	5.7	3.7	5.3	4.7	
CATALYST	6.7	6.3	6.0	4.7	4.0	5.3	4.3	5.3	4.3	4.0	5.3	4.7	
PST-5BRK	6.3	6.3	5.3	4.7	4.3	6.3	3.7	5.3	4.3	3.7	4.3	4.6	
BAR FA 121089	7.7	6.0	5.0	4.7	5.0	5.0	4.3	4.7	4.3	4.0	4.3	4.5	
UNITUS (IS-TF 289)	7.3	9.0	3.7	3.7	5.0	5.0	3.7	5.3	4.3	4.3	4.7	4.5	
PSG-TT4	7.0	7.7	5.0	4.3	4.0	5.0	3.7	4.7	4.7	4.0	5.0	4.4	
RAIN DANCE (PST-5SDT)	6.0	6.0	2.3	5.7	4.0	5.0	3.7	5.3	3.7	3.3	4.3	4.4	
FESNOVA	7.7	6.3	6.3	4.7	4.0	4.0	4.0	4.7	4.0	3.7	5.3	4.3	

TABLE 16.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT ADELPHIA, NJ 1/
2017 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	BROWN PATCH WARM TEMP.	QUALITY RATINGS									MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
MEMPHIS (GO-DFR)	7.3	6.0	3.0	4.7	5.0	5.0	3.7	4.3	4.3	3.3	4.0	4.3	
PSG-8BP2	7.7	7.0	5.0	4.7	4.7	4.3	3.7	5.0	4.0	4.0	4.3	4.3	
CAESAR (TY 10)	8.3	8.0	4.3	4.0	4.0	3.0	3.7	4.3	4.3	4.0	6.0	4.2	
COMP. RES. SST	6.3	8.0	1.0	4.0	5.0	6.0	1.0	4.0	5.7	2.7	5.0	4.2	
JS 818	8.3	7.3	3.3	4.7	5.0	5.0	3.3	4.7	3.7	3.7	3.3	4.2	
PST-5DZP	7.3	8.0	4.7	4.0	4.3	4.7	3.3	5.0	4.0	3.7	4.7	4.2	
PST-5EX2	4.7	5.0	5.0	5.3	3.3	4.7	4.7	5.3	3.7	2.3	4.3	4.2	
JS 819	8.0	8.0	3.3	3.7	4.3	4.7	3.0	4.7	3.7	3.0	4.7	4.0	
ARES (PPG-TF-142)	7.3	6.3	6.0	3.7	4.0	5.0	4.0	4.3	3.3	3.3	3.7	3.9	
K12-13	7.7	7.0	2.0	3.0	4.0	4.0	3.0	4.3	4.7	2.7	5.7	3.9	
SWAGGER (PST-5R05)	6.3	6.0	6.0	3.3	4.0	5.0	3.7	4.7	3.3	3.3	4.0	3.9	
TEMPTATION (OR-21)	8.3	7.3	4.3	3.7	4.0	3.7	4.0	4.7	4.0	3.7	3.7	3.9	
TERRANO	6.3	6.0	5.3	3.7	4.3	3.3	3.7	4.3	4.7	3.0	4.3	3.9	
ANNIHILATOR	7.0	7.0	2.7	4.3	4.3	4.3	2.7	5.0	3.7	2.7	3.3	3.8	
INSPIRATION (PST-R5NW)	6.3	3.3	5.3	5.0	3.7	4.3	3.7	4.3	3.7	3.0	2.3	3.8	
MARAUDER	7.3	8.0	1.7	3.7	4.0	4.3	1.7	3.7	5.3	3.0	4.7	3.8	
BAR FA 121091	8.0	6.0	2.7	3.3	4.3	4.3	3.0	4.0	4.3	2.7	3.3	3.7	
PSG-GSD	6.3	6.0	4.7	4.7	3.7	4.0	3.3	4.7	3.3	2.7	2.7	3.6	
JS 809	8.3	8.0	2.7	3.0	3.3	3.7	3.0	4.3	4.0	2.7	3.7	3.5	
FALCON IV	6.7	3.3	4.0	3.7	3.0	3.7	3.3	3.7	3.3	2.3	3.0	3.3	
WARHAWK	7.7	7.0	2.7	2.7	2.7	4.0	2.7	3.3	4.0	2.0	4.3	3.2	
AQUADUCT	7.3	6.0	4.7	2.7	2.7	2.7	3.0	4.0	2.7	1.7	3.3	2.8	
FRONTLINE (EXP TF-09)	7.7	6.0	3.0	3.0	2.3	2.3	2.3	3.7	3.0	2.3	3.3	2.8	
JS 825	7.7	6.0	3.7	3.0	3.7	2.7	3.3	4.0	2.3	1.7	2.0	2.8	
BAR FA 120878	3.7	2.3	2.7	1.3	1.0	1.7	2.0	3.3	2.0	1.0	2.0	1.8	
KY-31	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.7	1.0	1.0	1.0	1.1	
LSD VALUE	1.1	0.5	2.2	1.7	1.6	1.8	1.4	1.4	1.0	1.4	1.4	0.8	
C.V. (%)	9.2	4.6	27.0	20.2	19.2	19.1	20.5	15.8	13.3	19.3	16.1	9.9	

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 17.

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK (TRAFFIC STUDY), NJ 1/
2017 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	BEFORE TRAFFIC ON APRIL 11				AFTER TRAFFIC IN SPRING (MAY 31)				BEFORE TRAFFIC ON JUNE 26			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
HEMI	8.3	6.7	94.7	68.3	9.0	7.7	99.0	71.7	9.0	9.0	99.0	88.3
B23	8.7	6.7	94.7	71.7	9.0	6.3	99.0	63.3	9.0	8.7	99.0	81.7
HOT ROD (BURL TF-136)	8.7	6.7	90.0	65.0	9.0	6.3	96.3	61.7	9.0	7.3	99.0	80.0
CAESAR (TY 10)	8.3	5.7	91.7	56.7	9.0	4.7	95.0	45.0	9.0	6.7	96.3	68.3
CROSSFIRE 4 (IS-TF 310 SEL)	9.0	6.7	94.7	68.3	9.0	6.0	97.7	65.0	9.0	7.3	99.0	81.7
JS 916	8.7	6.3	91.7	70.0	9.0	6.7	97.7	63.3	9.0	8.3	99.0	80.0
REFLECTION (U45)	9.0	6.0	96.0	65.0	9.0	5.7	99.0	61.7	9.0	7.7	99.0	80.0
RHAMBLER 2 SRP (LSD)	9.0	6.7	90.0	65.0	9.0	7.0	97.7	66.7	9.0	9.0	97.7	85.0
VALKYRIE LS (PPG-TF-172)	8.7	7.3	94.7	73.3	9.0	6.3	99.0	65.0	9.0	8.3	99.0	83.3
INSPIRATION (PST-R5NW)	8.3	6.7	90.0	70.0	9.0	5.3	95.0	53.3	8.7	7.7	99.0	78.3
IS-TF 276 M2	8.3	6.3	90.0	66.7	9.0	6.0	99.0	60.0	9.0	7.7	97.7	83.3
K12-13	7.7	5.0	81.7	45.0	9.0	5.7	97.7	58.3	9.0	7.7	96.3	73.3
4TH MILLENNIUM SRP (U43)	9.0	6.3	96.3	65.0	9.0	6.3	99.0	55.0	9.0	8.0	99.0	83.3
AQUADUCT	8.7	7.7	94.7	75.0	8.3	6.0	95.0	60.0	8.0	8.0	95.0	80.0
BAR FA 120878	8.0	7.3	85.0	76.7	7.7	3.3	83.3	38.3	7.7	6.0	85.0	63.3
BLACK TAIL (PPG-TF-150)	9.0	6.7	96.3	61.7	9.0	6.0	99.0	61.7	9.0	7.7	99.0	85.0
DIABLO (IS-TF 330)	8.3	5.7	83.3	55.0	9.0	5.3	97.7	56.7	9.0	8.0	99.0	80.0
PSG-8BP2	8.3	7.0	86.7	76.7	8.3	5.3	94.7	56.7	8.3	7.3	95.0	78.3
PST-5EX2	9.0	8.3	97.7	85.0	9.0	5.7	96.3	55.0	8.0	7.0	95.0	75.0
RAD-TF-89	8.0	6.3	88.3	71.7	9.0	6.0	97.7	60.0	8.7	7.7	97.7	80.0
REGENERATE	9.0	7.7	96.3	78.3	9.0	6.0	99.0	63.3	9.0	7.7	99.0	80.0
MICHELANGELO (LTP-F5DPDR)	9.0	7.0	96.3	75.0	9.0	6.0	99.0	60.0	9.0	8.0	99.0	81.7
PSG-GSD	9.0	7.0	91.7	66.7	8.7	5.0	95.0	45.0	9.0	7.0	97.7	75.0
RAD-TF-92	9.0	7.0	96.3	71.7	9.0	6.7	96.3	61.7	9.0	8.0	99.0	81.7
ATF 1704	9.0	7.0	95.0	68.3	9.0	5.0	99.0	53.3	8.7	7.3	99.0	80.0
CATALYST	9.0	7.0	94.7	68.3	9.0	5.3	97.7	53.3	9.0	7.7	99.0	75.0
HOVER (BURL TF-69)	9.0	7.0	97.7	73.3	9.0	5.0	99.0	58.3	9.0	6.7	99.0	75.0
IS-TF 311	8.3	6.3	88.3	65.0	9.0	5.3	99.0	46.7	9.0	7.3	99.0	80.0
IS-TF-287	9.0	7.3	90.0	73.3	9.0	5.0	97.7	53.3	9.0	7.3	99.0	76.7
JS 809	7.3	5.3	78.3	61.7	9.0	6.3	96.3	61.7	8.7	7.3	96.3	81.7
JS 818	8.0	5.7	88.3	51.7	8.7	5.3	97.7	50.0	8.3	7.3	94.7	70.0
JS 819	8.0	6.3	86.7	63.3	8.7	5.7	96.3	51.7	8.3	7.3	97.7	76.7
MAESTRO (T31)	9.0	6.7	96.0	65.0	9.0	4.7	99.0	50.0	9.0	7.0	97.7	73.3
NIGHTCRAWLER (IS-TF 285)	9.0	5.7	93.3	56.7	9.0	5.3	97.7	51.7	9.0	7.3	99.0	76.7
PARAMOUNT (PPG-TF-137)	9.0	6.3	96.0	70.0	9.0	5.0	97.7	55.0	9.0	8.0	99.0	83.3
PSG-TT4	9.0	6.7	93.3	66.7	8.7	5.0	95.0	51.7	8.3	7.3	96.3	76.7
PST-5BPO	9.0	7.3	94.7	75.0	9.0	4.3	97.7	48.3	9.0	7.3	97.7	76.7
SUPERSONIC (PPG-TF-170)	9.0	7.7	93.3	75.0	9.0	5.0	97.7	53.3	9.0	7.7	97.7	78.3
TURFWAY (IS-TF 282 M2)	8.7	5.3	93.3	58.3	9.0	5.3	99.0	58.3	9.0	7.0	97.7	78.3
DYNAMITE LS (PPG-TF-145)	8.7	5.0	85.0	48.3	9.0	5.0	96.3	50.0	8.7	6.7	97.7	75.0
FALCON IV	8.7	6.7	88.3	68.3	9.0	4.7	95.0	48.3	8.7	6.7	97.7	71.7
FAYETTE (IS-TF 291)	9.0	6.0	96.3	60.0	9.0	6.0	99.0	56.7	9.0	7.7	99.0	80.0
FIRECRACKER SLS (PPG-TF-105)	8.7	6.0	90.0	66.7	9.0	6.7	97.7	65.0	9.0	7.3	99.0	85.0
FIREWALL (PSG-WE1)	8.7	6.7	93.0	65.0	9.0	5.3	99.0	58.3	9.0	7.0	99.0	80.0
OLYMPUS (RAD-TF-88)	9.0	7.3	97.7	73.3	9.0	6.7	97.7	63.3	9.0	8.0	99.0	86.7

TABLE 17.
(CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK (TRAFFIC STUDY), NJ 1/
2017 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	BEFORE TRAFFIC ON APRIL 11				AFTER TRAFFIC IN SPRING (MAY 31)				BEFORE TRAFFIC ON JUNE 26			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
PST-5BRK	8.3	7.0	86.7	71.7	9.0	5.3	97.7	53.3	9.0	7.3	96.3	75.0
REBEL V (ATF 1736)	9.0	6.3	93.3	66.7	9.0	5.7	97.7	65.0	9.0	8.0	99.0	80.0
SALTILLO (PST-5SALT)	8.7	6.0	91.7	61.7	9.0	5.0	97.7	51.7	9.0	7.3	96.3	71.7
SWAGGER (PST-5R05)	8.7	6.3	90.0	65.0	8.3	4.3	97.7	48.3	9.0	7.0	99.0	75.0
XTENDER (PPG-TF-139)	8.7	5.7	88.3	55.0	9.0	6.0	97.7	60.0	9.0	7.3	97.7	81.7
ATF 1612	9.0	6.3	94.7	63.3	9.0	4.7	99.0	45.0	9.0	7.0	97.7	75.0
BAR FA 121089	9.0	6.0	93.3	61.7	9.0	4.0	96.3	43.3	8.0	5.7	95.0	65.0
BAR FA 121095	8.0	5.0	88.3	58.3	9.0	4.3	96.0	46.7	8.7	6.0	97.7	70.0
BIZEM	9.0	6.7	94.7	68.3	9.0	5.7	97.7	56.7	9.0	7.7	99.0	80.0
FALCON V	8.7	5.0	91.7	51.7	9.0	4.7	99.0	46.7	9.0	5.3	99.0	70.0
FOXHOUND (IS-TF 284 M2)	8.3	6.0	91.7	58.3	9.0	6.3	97.7	63.3	9.0	7.3	99.0	78.3
FRONTLINE (EXP TF-09)	8.0	5.0	86.7	48.3	9.0	4.7	95.0	50.0	8.0	6.7	93.3	70.0
GRANDE 3	9.0	6.3	97.7	68.3	9.0	5.3	99.0	53.3	9.0	6.7	99.0	73.3
HOUNDOGB (IS-TF 307 SEL)	9.0	5.3	90.0	53.3	9.0	4.3	99.0	43.3	9.0	7.0	99.0	75.0
K12-05	8.0	5.7	86.7	50.0	9.0	5.7	97.7	53.3	9.0	6.7	97.7	75.0
KINGDOM (DB1)	8.3	6.0	91.7	60.0	9.0	5.3	97.7	56.7	9.0	6.7	99.0	76.7
MEMPHIS (GO-DFR)	8.3	6.3	86.7	65.0	9.0	6.7	99.0	65.0	9.0	6.7	97.7	75.0
MERIDIAN (PST-5GRB)	8.7	6.7	91.3	65.0	9.0	6.3	99.0	63.3	9.0	8.7	97.7	86.7
MET-3	9.0	6.0	96.3	58.3	9.0	5.3	97.7	51.7	9.0	7.7	99.0	78.3
RAIN DANCE (PST-5SDT)	8.3	6.7	90.0	70.0	8.7	4.7	96.3	46.7	8.7	7.3	94.7	71.7
RAPTOR III (ZW 44)	9.0	6.7	93.0	65.0	9.0	5.7	99.0	51.7	9.0	8.0	99.0	78.3
TRENDING (IS-TF 269 SEL)	8.7	5.7	88.3	55.0	9.0	5.7	99.0	61.7	9.0	7.3	99.0	76.7
AVENGER II (PPG-TF-156)	9.0	6.3	96.3	58.3	9.0	5.3	99.0	58.3	9.0	7.0	99.0	80.0
COMP. RES. SST	7.7	5.3	83.0	51.7	9.0	6.3	99.0	61.7	9.0	7.7	97.7	81.7
F711	9.0	7.0	91.7	76.7	9.0	5.3	99.0	60.0	9.0	8.3	99.0	78.3
IS-TF 272	8.0	5.0	86.7	51.7	9.0	4.3	96.3	45.0	9.0	6.3	99.0	68.3
REBOUNDER (PICK-W43)	9.0	6.7	93.0	65.0	9.0	5.3	97.7	58.3	9.0	8.0	99.0	80.0
RHIZING MOON (IS-TF 305 SEL)	8.3	5.7	86.7	53.3	9.0	5.0	97.7	48.3	8.7	7.0	99.0	75.0
TEMPLE (DZ1)	8.7	6.3	91.7	58.3	9.0	5.0	99.0	50.0	9.0	7.7	99.0	76.7
TITANIUM 2LS (PPG-TF-152)	8.7	5.3	90.0	55.0	9.0	5.7	99.0	56.7	9.0	7.3	99.0	78.3
TRAVERSE 2 SRP (W45)	9.0	5.7	93.3	53.3	9.0	4.3	99.0	40.0	9.0	7.0	99.0	71.7
204 RES. BLK4	8.3	5.7	90.0	58.3	9.0	5.7	99.0	55.0	9.0	7.3	96.3	76.7
ATF 1754	9.0	6.0	93.3	60.0	8.7	4.3	95.0	46.7	9.0	7.7	97.7	75.0
BAR FA 121091	8.0	5.7	85.0	60.0	8.3	4.0	93.3	43.3	8.3	6.3	95.0	68.3
BLOODHOUND (MET 6 SEL)	9.0	5.7	91.7	55.0	9.0	4.7	99.0	48.3	9.0	6.7	97.7	71.7
BULLSEYE	8.7	6.3	93.0	65.0	9.0	5.3	99.0	50.0	9.0	7.3	99.0	78.3
FESNOVA	8.7	6.3	91.7	63.3	9.0	5.3	96.3	53.3	9.0	7.0	96.3	73.3
FIREBIRD 2	9.0	6.3	93.0	48.3	9.0	5.0	99.0	55.0	9.0	8.0	99.0	83.3
GTO (BURL TF-2)	9.0	7.3	96.3	75.0	9.0	4.3	99.0	46.7	9.0	7.0	97.7	70.0
PPG-TF-115	8.7	6.0	93.0	60.0	9.0	4.7	97.7	51.7	9.0	7.3	96.3	75.0
RAD-TF-83	8.7	5.7	93.3	58.3	9.0	4.7	97.7	46.7	9.0	6.7	96.3	70.0
ROCKWELL (LTP-TWUU)	8.7	6.7	93.0	71.7	9.0	5.7	99.0	61.7	9.0	7.7	99.0	78.3
ROWDY (SRX-TPC)	9.0	6.7	93.0	63.3	9.0	6.3	99.0	66.7	9.0	8.0	99.0	78.3
TECHNIQUE (RZ2)	9.0	8.0	93.3	80.0	9.0	6.0	97.7	60.0	9.0	8.3	99.0	83.3
WARHAWK	7.7	5.3	81.7	51.7	9.0	4.7	97.7	53.3	8.3	6.3	95.0	63.3

TABLE 17.
(CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK (TRAFFIC STUDY), NJ 1/
2017 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	BEFORE TRAFFIC ON APRIL 11				AFTER TRAFFIC IN SPRING (MAY 31)				BEFORE TRAFFIC ON JUNE 26			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
EMBRACE (PST-5EV2)	9.0	7.0	94.7	68.3	9.0	5.3	96.0	56.7	9.0	8.3	99.0	80.0
LEONARDO (LTP-FSD)	9.0	6.3	93.3	61.7	9.0	4.7	95.0	51.7	9.0	7.7	99.0	73.3
PPG-TF-135	9.0	6.3	93.3	61.7	9.0	4.3	99.0	45.0	9.0	8.0	99.0	78.3
THOR (PPG-TF-157)	8.7	6.3	94.7	65.0	9.0	4.7	96.3	55.0	9.0	7.3	99.0	78.3
W41	9.0	6.3	91.7	61.7	9.0	5.3	99.0	53.3	9.0	7.3	97.7	78.3
ANNIHILATOR	8.3	6.0	86.7	65.0	9.0	5.7	95.0	63.3	9.0	7.7	93.3	76.7
STANDOUT (IS-TF 308 SEL)	9.0	6.0	93.3	61.7	9.0	5.3	99.0	53.3	9.0	8.3	99.0	81.7
TEMPTATION (OR-21)	8.7	3.7	90.0	41.7	9.0	3.7	95.0	40.0	8.3	5.3	93.3	61.7
UNITUS (IS-TF 289)	8.0	5.7	81.7	55.0	9.0	4.3	96.3	46.7	9.0	7.0	96.3	76.7
AMITY (CCR2)	9.0	5.3	93.3	46.7	9.0	5.0	99.0	46.7	9.0	6.3	99.0	75.0
FAITH	8.7	6.7	91.3	66.7	9.0	4.3	99.0	45.0	8.7	5.7	97.7	63.3
JS 825	7.0	4.3	75.0	41.7	8.7	3.3	93.3	38.3	8.0	5.3	96.3	61.7
K12-MCD	9.0	7.0	96.3	71.7	9.0	4.0	97.7	40.0	8.7	7.3	97.7	76.7
PPG-TF-138	8.0	5.0	83.3	46.7	9.0	4.7	97.7	45.0	9.0	7.3	97.7	76.7
PSG-PO1	9.0	5.7	94.7	58.3	9.0	3.3	97.7	43.3	9.0	6.7	99.0	71.7
PST-5DZP	8.7	4.3	85.0	40.0	9.0	4.7	97.7	51.7	9.0	6.7	97.7	70.0
PST-5MVD	9.0	6.3	90.0	61.7	9.0	4.3	95.0	38.3	9.0	6.7	97.7	71.7
ARES (PPG-TF-142)	7.3	4.3	80.0	40.0	9.0	5.3	97.7	56.7	9.0	6.3	99.0	73.3
MET 1	9.0	6.7	96.3	66.7	9.0	4.7	99.0	45.0	9.0	7.3	99.0	75.0
PPG-TF-169	9.0	7.3	99.0	76.7	9.0	4.3	99.0	48.3	9.0	7.7	97.7	75.0
TERRANO	8.7	4.3	85.0	46.7	9.0	4.0	97.7	40.0	9.0	6.3	97.7	75.0
THUNDERSTRUCK (TD1)	7.7	4.3	81.7	40.0	9.0	3.3	96.3	41.7	9.0	5.7	99.0	65.0
KY-31	7.0	4.7	76.7	48.3	7.0	3.0	70.0	30.0	6.7	5.0	71.7	55.0
SCREAMER LS (PPG-TF-148)	9.0	6.0	97.7	61.7	9.0	3.7	99.0	43.3	9.0	7.0	99.0	70.0
WICHITA (PPG-TF-151)	9.0	4.7	96.3	50.0	9.0	4.0	99.0	43.3	9.0	7.3	97.7	76.7
MARAUDER	7.7	4.3	81.7	48.3	9.0	4.0	97.7	43.3	8.7	6.0	96.3	65.0
LSD VALUE	0.8	2.0	7.9	25.2	0.3	2.6	2.7	24.8	0.4	1.9	2.4	13.1
C.V. (%)	5.3	16.8	5.1	19.4	2.1	22.2	1.9	20.1	2.8	12.8	1.7	8.9

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

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

TABLE 17.
(CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK (TRAFFIC STUDY), NJ 1/
2017 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 16)				BEFORE TRAFFIC ON SEPTEMBER 11				AFTER TRAFFIC IN FALL (OCTOBER 31)			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
HEMI	9.0	5.7	97.7	55.0	9.0	6.7	93.3	65.0	9.0	4.7	88.3	45.0
B23	9.0	6.0	99.0	60.0	9.0	7.3	99.0	71.7	9.0	4.3	94.7	43.3
HOT ROD (BURL TF-136)	9.0	5.0	97.7	50.0	9.0	5.7	97.7	55.0	9.0	4.3	94.7	41.7
CAESAR (TY 10)	9.0	5.0	93.3	46.7	8.7	5.7	94.7	55.0	9.0	4.3	94.7	40.0
CROSSFIRE 4 (IS-TF 310 SEL)	9.0	5.0	99.0	51.7	9.0	6.0	97.7	65.0	9.0	4.3	97.7	40.0
JS 916	9.0	5.7	96.3	55.0	9.0	6.0	96.3	63.3	9.0	4.7	95.0	40.0
REFLECTION (U45)	9.0	5.0	97.7	48.3	9.0	6.0	96.3	66.7	9.0	5.3	96.3	40.0
RHAMBLER 2 SRP (LSD)	9.0	5.3	96.3	51.7	9.0	6.0	96.0	65.0	8.7	4.7	91.7	40.0
VALKYRIE LS (PPG-TF-172)	9.0	5.0	99.0	48.3	8.7	4.7	96.0	48.3	9.0	4.0	93.0	40.0
INSPIRATION (PST-R5NW)	9.0	6.0	95.0	56.7	9.0	7.7	96.3	76.7	8.0	4.7	86.7	38.3
IS-TF 276 M2	8.7	5.7	93.3	51.7	8.7	7.0	94.7	73.3	8.7	4.3	88.3	38.3
K12-13	9.0	5.3	96.3	55.0	9.0	5.3	95.0	51.7	9.0	4.3	96.0	38.3
4TH MILLENNIUM SRP (U43)	9.0	5.0	96.3	46.7	9.0	5.0	97.7	51.7	8.7	4.0	96.3	36.7
AQUADUCT	8.7	5.7	91.7	50.0	9.0	7.7	96.3	73.3	8.3	3.3	88.3	36.7
BAR FA 120878	8.0	5.0	81.7	46.7	7.3	5.7	81.7	56.7	6.7	4.7	70.0	36.7
BLACK TAIL (PPG-TF-150)	9.0	4.0	96.3	40.0	9.0	4.3	97.7	43.3	9.0	3.3	89.7	36.7
DIABLO (IS-TF 330)	9.0	4.7	97.7	46.7	9.0	5.3	96.0	50.0	9.0	3.7	93.0	36.7
PSG-8BP2	8.7	5.3	94.7	50.0	8.7	6.3	93.3	63.3	8.7	4.7	86.7	36.7
PST-5EX2	9.0	5.3	93.3	46.7	8.7	6.7	94.7	66.7	8.0	4.3	86.7	36.7
RAD-TF-89	9.0	5.7	96.3	51.7	9.0	6.0	97.7	61.7	8.7	3.7	96.0	36.7
REGENERATE	9.0	4.3	99.0	46.7	9.0	5.3	99.0	61.7	9.0	4.3	96.3	36.7
MICHELANGELO (LTP-F5DPDR)	9.0	5.7	99.0	53.3	9.0	6.7	95.0	65.0	8.7	4.7	94.7	35.0
PSG-GSD	8.7	3.7	95.0	38.3	9.0	5.7	95.0	58.3	8.3	3.0	90.0	35.0
RAD-TF-92	9.0	5.3	97.7	51.7	9.0	7.3	97.7	71.7	8.3	4.3	91.7	35.0
ATF 1704	9.0	3.7	96.3	43.3	9.0	5.0	99.0	53.3	9.0	3.0	99.0	33.3
CATALYST	9.0	5.0	96.3	51.7	9.0	5.3	97.7	55.0	9.0	3.7	96.0	33.3
HOVER (BURL TF-69)	9.0	4.3	96.3	40.0	9.0	6.3	96.3	63.3	8.7	3.0	92.7	33.3
IS-TF 311	9.0	4.7	97.7	48.3	8.7	5.7	97.7	53.3	9.0	3.3	94.7	33.3
IS-TF-287	9.0	4.3	99.0	41.7	9.0	6.3	97.7	61.7	9.0	4.0	99.0	33.3
JS 809	8.7	6.3	94.7	58.3	9.0	6.7	94.7	65.0	8.7	4.7	83.3	33.3
JS 818	8.7	5.0	95.0	46.7	8.7	6.3	94.7	65.0	8.7	4.3	91.7	33.3
JS 819	9.0	4.7	95.0	45.0	9.0	5.7	91.7	60.0	7.7	3.0	85.0	33.3
MAESTRO (T31)	9.0	4.3	97.7	41.7	8.7	4.3	97.7	48.3	9.0	4.0	94.7	33.3
NIGHTCRAWLER (IS-TF 285)	9.0	5.7	95.0	51.7	8.7	6.0	96.0	60.0	9.0	3.7	95.0	33.3
PARAMOUNT (PPG-TF-137)	9.0	4.0	97.7	45.0	9.0	4.0	99.0	41.7	9.0	3.7	95.0	33.3
PSG-TT4	8.7	4.7	94.7	43.3	8.7	6.0	93.3	60.0	7.7	3.7	83.3	33.3
PST-5BPO	9.0	3.3	95.0	35.0	8.7	5.7	94.7	63.3	8.7	3.3	90.0	33.3
SUPERSONIC (PPG-TF-170)	9.0	4.3	97.7	46.7	9.0	5.7	96.3	58.3	9.0	4.7	97.7	33.3
TURFWAY (IS-TF 282 M2)	9.0	4.0	97.7	41.7	9.0	4.7	96.3	43.3	9.0	2.7	90.0	33.3
DYNAMITE LS (PPG-TF-145)	9.0	3.3	95.0	36.7	8.3	4.0	94.7	41.7	9.0	3.0	93.0	31.7
FALCON IV	8.7	3.7	93.3	38.3	8.0	5.0	93.3	55.0	8.3	3.3	88.3	31.7
FAYETTE (IS-TF 291)	9.0	5.0	97.7	50.0	9.0	6.0	97.7	61.7	8.7	3.7	91.3	31.7
FIRECRACKER SLS (PPG-TF-105)	9.0	4.0	97.7	41.7	9.0	5.3	96.3	55.0	9.0	3.0	93.3	31.7
FIREWALL (PSG-WE1)	9.0	4.3	97.7	45.0	9.0	4.7	97.7	51.7	9.0	3.0	93.0	31.7
OLYMPUS (RAD-TF-88)	9.0	5.3	97.7	48.3	9.0	6.0	97.7	63.3	8.0	2.7	80.0	31.7

TABLE 17.
(CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK (TRAFFIC STUDY), NJ 1/
2017 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 16)				BEFORE TRAFFIC ON SEPTEMBER 11				AFTER TRAFFIC IN FALL (OCTOBER 31)			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
PST-5BRK	8.7	3.7	95.0	35.0	8.3	5.7	94.7	56.7	8.3	3.3	81.7	31.7
REBEL V (ATF 1736)	9.0	4.7	95.0	43.3	9.0	5.7	96.3	55.0	8.7	3.0	91.7	31.7
SALTILLO (PST-5SALT)	8.7	3.7	93.3	35.0	9.0	4.3	97.7	51.7	8.7	3.3	88.3	31.7
SWAGGER (PST-5R05)	9.0	5.0	97.7	50.0	8.7	6.0	96.0	61.7	8.3	3.7	88.3	31.7
XTENDER (PPG-TF-139)	9.0	4.0	99.0	38.3	8.7	5.3	94.7	50.0	9.0	3.7	94.3	31.7
ATF 1612	9.0	3.7	97.7	38.3	9.0	4.3	99.0	48.3	9.0	2.7	94.7	30.0
BAR FA 121089	9.0	4.3	96.3	45.0	8.7	4.3	93.3	48.3	8.0	2.0	86.7	30.0
BAR FA 121095	9.0	5.0	97.7	51.7	9.0	5.3	96.0	58.3	8.7	3.0	91.7	30.0
BIZEM	9.0	4.3	97.7	45.0	9.0	5.7	96.3	60.0	9.0	3.3	96.3	30.0
FALCON V	9.0	3.0	97.7	35.0	9.0	3.3	99.0	41.7	8.7	3.0	94.7	30.0
FOXHOUND (IS-TF 284 M2)	9.0	4.7	97.7	41.7	8.7	5.3	96.3	60.0	9.0	2.7	95.0	30.0
FRONTLINE (EXP TF-09)	8.0	3.3	90.0	33.3	8.0	5.3	86.7	56.7	8.0	2.7	85.0	30.0
GRANDE 3	9.0	4.0	96.3	38.3	8.3	4.7	93.3	48.3	9.0	3.0	93.0	30.0
HOUNDOG8 (IS-TF 307 SEL)	9.0	3.7	99.0	38.3	9.0	4.3	96.0	51.7	9.0	3.0	96.3	30.0
K12-05	9.0	3.3	99.0	33.3	9.0	4.0	99.0	38.3	8.7	2.7	91.3	30.0
KINGDOM (DB1)	8.7	3.7	96.3	36.7	8.3	3.7	93.3	41.7	8.7	2.7	88.3	30.0
MEMPHIS (GO-DFR)	9.0	4.7	96.3	45.0	8.3	6.0	93.3	65.0	8.7	3.0	91.3	30.0
MERIDIAN (PST-5GRB)	9.0	6.0	96.3	55.0	9.0	7.0	96.3	70.0	9.0	3.3	93.0	30.0
MET-3	9.0	4.0	99.0	40.0	8.7	4.3	96.3	46.7	9.0	2.7	97.7	30.0
RAIN DANCE (PST-5SDT)	8.7	4.7	93.0	46.7	8.3	5.7	91.7	63.3	8.0	3.3	85.0	30.0
RAPTOR III (ZW 44)	9.0	3.0	96.3	33.3	9.0	4.0	99.0	45.0	9.0	2.7	97.7	30.0
TRENDING (IS-TF 269 SEL)	9.0	4.7	99.0	46.7	9.0	6.0	97.7	58.3	9.0	3.3	91.7	30.0
AVENGER II (PPG-TF-156)	9.0	2.7	97.7	28.3	9.0	3.3	96.3	31.7	9.0	3.0	94.7	28.3
COMP. RES. SST	8.7	5.0	93.0	55.0	9.0	7.0	94.7	71.7	8.7	3.0	88.3	28.3
F711	9.0	3.7	97.7	36.7	9.0	4.3	97.7	46.7	9.0	3.3	93.0	28.3
IS-TF 272	9.0	4.3	97.7	46.7	8.7	5.3	96.3	50.0	9.0	2.3	94.7	28.3
REBOUNDER (PICK-W43)	9.0	3.3	97.7	36.7	9.0	4.3	97.7	46.7	9.0	3.3	96.3	28.3
RHIZING MOON (IS-TF 305 SEL)	8.7	3.7	94.7	33.3	8.7	5.3	93.3	55.0	8.7	3.0	93.3	28.3
TEMPLE (DZ1)	9.0	3.3	97.7	33.3	9.0	4.0	97.7	40.0	9.0	3.3	96.0	28.3
TITANIUM 2LS (PPG-TF-152)	9.0	3.7	99.0	40.0	9.0	4.3	99.0	50.0	9.0	2.7	99.0	28.3
TRAVERSE 2 SRP (W45)	9.0	2.3	96.3	26.7	9.0	3.0	95.0	30.0	9.0	2.0	97.7	28.3
204 RES. BLK4	9.0	3.3	97.7	33.3	9.0	4.7	97.7	51.7	9.0	2.3	93.0	26.7
ATF 1754	9.0	4.0	97.7	40.0	9.0	5.0	99.0	51.7	8.7	3.0	96.3	26.7
BAR FA 121091	9.0	4.0	95.0	46.7	9.0	5.7	91.7	55.0	8.3	2.7	86.7	26.7
BLOODHOUND (MET 6 SEL)	9.0	2.7	97.7	30.0	9.0	4.0	96.3	45.0	9.0	2.0	97.7	26.7
BULLSEYE	8.7	4.7	96.0	45.0	9.0	6.7	97.7	70.0	9.0	3.3	97.7	26.7
FESNOVA	9.0	4.7	95.0	46.7	8.7	5.3	95.0	55.0	8.3	2.3	85.0	26.7
FIREBIRD 2	9.0	3.7	99.0	36.7	9.0	4.3	99.0	45.0	9.0	2.0	97.7	26.7
GTO (BURL TF-2)	9.0	3.7	97.7	35.0	8.7	4.7	96.3	51.7	9.0	2.0	96.3	26.7
PPG-TF-115	9.0	3.0	97.7	35.0	8.7	3.7	95.0	35.0	8.3	2.7	89.7	26.7
RAD-TF-83	9.0	3.7	97.7	40.0	8.0	5.0	83.3	51.7	8.0	2.3	85.0	26.7
ROCKWELL (LTP-TWUU)	9.0	4.7	96.3	43.3	9.0	5.7	97.7	63.3	8.7	3.0	93.0	26.7
ROWDY (SRX-TPC)	9.0	3.7	96.3	36.7	9.0	5.0	97.7	50.0	9.0	3.0	93.0	26.7
TECHNIQUE (RZ2)	9.0	3.7	97.7	38.3	9.0	4.7	97.7	48.3	9.0	2.7	97.7	26.7
WARHAWK	8.7	4.3	91.7	43.3	9.0	5.0	90.0	50.0	7.7	2.3	76.7	26.7

TABLE 17.
(CONT'D)

PERCENT TURFGRASS FULLNESS OF CANOPY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK (TRAFFIC STUDY), NJ 1/
2017 DATA

TURFGRASS COVER UNIFORMITY RATINGS 1-9; 9=MOST DENSE, UNIFORM TURF COVER 2/ */

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 16)				BEFORE TRAFFIC ON SEPTEMBER 11				AFTER TRAFFIC IN FALL (OCTOBER 31)			
	UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY		UNIFORMITY		FULLNESS OF CANOPY	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
EMBRACE (PST-5EV2)	9.0	2.0	99.0	26.7	9.0	3.0	99.0	30.0	8.7	2.3	96.3	25.0
LEONARDO (LTP-FSD)	9.0	3.3	96.3	36.7	9.0	5.0	93.3	50.0	8.0	2.3	85.0	25.0
PPG-TF-135	9.0	1.7	96.3	25.0	9.0	3.0	96.3	35.0	9.0	1.7	91.3	25.0
THOR (PPG-TF-157)	9.0	3.3	97.7	35.0	8.7	4.0	96.3	38.3	9.0	2.3	92.7	25.0
W41	9.0	2.3	96.3	28.3	9.0	3.3	96.3	31.7	8.7	2.0	97.7	25.0
ANNIHILATOR	9.0	5.0	95.0	50.0	8.7	5.7	93.3	55.0	7.0	2.0	65.0	23.3
STANDOUT (IS-TF 308 SEL)	9.0	3.0	99.0	36.7	9.0	4.3	99.0	43.3	9.0	2.3	97.7	23.3
TEMPTATION (OR-21)	8.7	2.3	95.0	26.7	8.7	3.3	94.7	40.0	8.3	1.7	88.3	23.3
UNITUS (IS-TF 289)	9.0	3.0	97.7	36.7	8.7	3.7	96.0	40.0	9.0	2.7	93.3	23.3
AMITY (CCR2)	9.0	2.7	99.0	30.0	8.7	2.3	96.0	30.0	9.0	1.3	94.7	21.7
FAITH	9.0	3.3	95.0	36.7	8.7	4.3	88.0	45.0	8.3	2.3	93.0	21.7
JS 825	8.3	3.0	93.3	31.7	7.7	3.3	83.3	40.0	7.7	2.0	73.3	21.7
K12-MCD	9.0	4.7	96.3	43.3	9.0	5.3	96.3	55.0	9.0	1.7	91.7	21.7
PPG-TF-138	9.0	3.0	95.0	35.0	9.0	4.0	99.0	41.7	9.0	2.7	96.3	21.7
PSG-PO1	9.0	1.7	97.7	23.3	9.0	2.3	94.7	26.7	9.0	1.0	93.0	21.7
PST-5DZP	8.7	3.3	96.3	33.3	9.0	3.7	93.0	40.0	8.3	2.3	88.3	21.7
PST-5MVD	9.0	3.0	96.3	30.0	9.0	3.7	97.7	38.3	8.7	2.0	91.7	21.7
ARES (PPG-TF-142)	9.0	3.0	97.7	33.3	9.0	3.7	96.3	35.0	8.7	2.3	94.7	20.0
MET 1	9.0	3.0	97.7	26.7	9.0	4.0	95.0	41.7	9.0	1.7	94.7	20.0
PPG-TF-169	9.0	2.0	99.0	25.0	9.0	2.7	99.0	30.0	8.7	2.0	97.7	20.0
TERRANO	9.0	3.7	95.0	33.3	8.7	4.0	93.3	36.7	8.7	1.7	94.7	20.0
THUNDERSTRUCK (TD1)	8.7	1.3	94.7	23.3	9.0	1.7	96.3	23.3	9.0	1.7	96.3	20.0
KY-31	6.7	2.7	76.7	25.0	6.3	3.3	70.0	36.7	6.0	2.0	68.3	18.3
SCREAMER LS (PPG-TF-148)	9.0	2.3	99.0	26.7	9.0	3.3	99.0	33.3	9.0	2.3	96.3	18.3
WICHITA (PPG-TF-151)	9.0	3.0	99.0	35.0	8.7	4.0	97.7	48.3	9.0	1.3	88.3	18.3
MARAUDER	9.0	2.3	94.7	26.7	8.3	2.3	85.0	25.0	7.3	1.0	80.0	11.7
LSD VALUE	0.4	3.7	3.4	27.1	0.6	3.2	6.6	29.8	0.8	4.1	9.9	33.8
C.V. (%)	2.7	37.0	2.3	28.6	4.1	31.1	4.0	28.3	5.7	45.8	6.4	32.5

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 18.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/
2017 DATA

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

NAME	GENETIC COLOR	PERCENT SPRING	GROUND SUMMER	COVER FALL	WINTER COLOR	QUALITY RATINGS												MEAN
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
FOXHOUND (IS-TF 284 M2)	7.0	99.0	96.0	96.7	6.7	6.3	8.3	6.7	6.0	6.0	7.7	8.0	9.0	8.0	8.0	8.0	8.7	7.6
F711	7.0	99.0	96.0	97.0	6.7	6.0	7.3	6.3	6.0	6.0	7.7	8.0	8.3	8.0	8.0	8.0	8.7	7.4
RAPTOR III (ZW 44)	7.3	99.0	96.7	97.0	7.0	6.0	7.3	6.0	6.0	6.0	8.0	8.0	8.3	8.0	8.0	8.0	8.7	7.4
REBOUNDER (PICK-W43)	7.3	99.0	96.3	96.3	6.7	6.0	8.0	6.7	6.0	6.0	7.7	8.0	8.7	8.0	7.7	7.3	8.3	7.4
TURFWAY (IS-TF 282 M2)	7.0	99.0	95.7	96.7	7.0	6.3	8.3	6.3	6.0	6.0	8.0	8.0	8.7	8.0	7.7	7.7	8.3	7.4
204 RES. BLK4	5.7	99.0	95.7	97.7	6.0	6.0	7.3	6.3	6.0	6.0	7.0	7.7	8.3	8.0	8.0	8.0	8.7	7.3
4TH MILLENNIUM SRP (U43)	6.7	98.7	96.3	97.0	6.7	6.0	7.3	6.0	6.0	5.7	7.3	8.0	8.7	8.0	8.0	8.0	8.7	7.3
AMITY (CCR2)	7.0	99.0	97.0	96.7	6.3	5.3	7.3	6.7	6.0	6.0	8.0	8.0	8.7	8.0	7.7	7.7	8.7	7.3
BIZEM	6.7	98.7	96.3	96.7	6.3	5.3	7.7	6.3	6.0	6.0	7.3	8.0	9.0	8.0	8.0	7.7	8.3	7.3
CAESAR (TY 10)	6.7	99.0	95.7	95.7	7.0	6.0	7.3	6.7	6.0	6.0	7.7	8.0	8.3	8.0	7.7	7.7	8.3	7.3
DIABLO (IS-TF 330)	7.3	98.7	96.7	96.3	6.3	5.3	7.3	6.3	6.0	6.0	7.7	8.0	8.7	8.0	8.0	8.0	8.3	7.3
FAYETTE (IS-TF 291)	7.0	98.7	95.7	95.7	7.0	6.0	7.7	6.3	6.0	6.0	7.7	8.0	8.7	7.7	7.7	7.7	8.3	7.3
FIRECRACKER SLS (PPG-TF-105)	6.7	99.0	96.0	96.7	6.7	5.3	7.3	6.3	6.0	6.0	7.3	8.0	8.7	8.0	7.7	7.7	8.7	7.3
GTO (BURL TF-2)	6.3	98.7	96.0	97.3	6.3	5.3	7.3	6.3	6.0	6.0	7.7	8.0	8.0	8.0	8.0	8.0	8.3	7.3
IS-TF 269 SEL	7.0	98.7	96.7	96.0	6.7	6.3	7.3	6.7	6.0	6.0	7.3	8.0	9.0	7.7	7.7	7.3	8.3	7.3
IS-TF 311	7.3	99.0	96.3	95.0	6.3	5.7	8.0	6.3	6.0	5.7	8.0	8.0	8.3	8.0	7.7	7.7	8.0	7.3
K12-05	6.7	99.0	96.3	96.3	6.3	5.3	7.3	6.0	6.0	6.0	7.7	8.0	9.0	7.7	8.0	8.0	8.0	7.3
RHIZING MOON (IS-TF 305 SEL)	7.3	98.7	96.0	96.3	6.7	6.0	7.3	6.7	6.0	6.0	7.3	8.0	8.7	7.7	7.7	7.7	8.7	7.3
ROCKWELL (LTP-TWUU)	5.7	99.0	95.7	96.3	6.7	6.3	7.7	6.3	6.0	6.0	7.0	7.3	8.3	8.0	8.0	8.0	8.7	7.3
THOR (PPG-TF-157)	6.7	99.0	96.3	96.0	7.3	5.7	7.7	6.0	6.0	6.0	7.3	8.0	9.0	8.0	7.7	7.7	8.7	7.3
TRAVERSE 2 SRP (W45)	7.7	99.0	96.7	95.7	6.7	5.7	8.0	6.0	6.0	6.0	8.0	8.0	9.0	8.0	7.7	7.7	8.0	7.3
ATF 1704	6.7	99.0	97.0	96.3	6.3	6.0	7.3	6.0	6.0	6.0	7.3	8.0	8.0	7.7	7.7	7.7	8.7	7.2
ATF 1754	6.0	99.0	96.0	96.7	6.3	5.7	7.7	6.0	6.0	6.0	7.0	8.0	8.0	8.0	8.0	7.7	8.0	7.2
B23	6.7	98.7	96.0	96.7	7.0	5.3	7.0	6.3	6.0	6.0	7.3	7.7	8.0	7.7	8.0	8.0	8.7	7.2
BLACK TAIL (PPG-TF-150)	6.7	98.7	96.0	96.0	6.3	5.3	7.3	6.3	6.0	6.0	7.7	8.0	8.3	8.0	7.7	7.7	8.3	7.2
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	99.0	95.7	95.7	7.0	5.3	7.3	7.0	6.0	6.0	8.0	7.7	8.3	8.0	7.7	7.3	8.0	7.2
FESNOVA	6.7	99.0	97.0	97.0	6.0	5.3	7.0	6.0	6.0	6.0	7.3	8.0	8.3	8.0	8.0	8.0	8.3	7.2
HOT ROD (BURL TF-136)	6.7	99.0	95.7	96.7	6.7	6.0	7.3	6.3	6.0	6.0	7.3	8.0	8.0	8.0	7.7	7.7	8.3	7.2
HOUND08 (IS-TF 307 SEL)	7.0	99.0	96.3	96.0	6.7	5.3	8.0	6.0	6.0	5.7	7.3	8.0	8.3	8.0	7.7	7.7	8.0	7.2
IS-TF 272	7.0	98.3	95.0	96.0	6.7	4.7	7.0	6.7	6.0	6.0	7.7	7.7	8.3	8.0	8.0	8.0	8.7	7.2
IS-TF 308 SEL	6.7	99.0	96.0	96.0	7.0	5.7	7.7	6.7	6.0	6.0	7.3	7.7	8.0	8.0	7.7	7.3	8.3	7.2
IS-TF-287	7.0	99.0	96.3	97.0	6.3	5.3	7.3	6.7	6.0	6.0	7.3	8.0	8.0	8.0	8.0	7.7	8.0	7.2
JS 916	6.0	98.7	95.7	96.0	6.0	6.0	7.3	6.3	6.0	6.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	7.2
MAESTRO (T31)	6.7	99.0	95.0	96.3	6.7	5.7	7.3	6.0	6.0	6.0	7.7	8.0	8.0	8.0	7.7	7.3	8.3	7.2
MEMPHIS (GO-DFR)	7.3	99.0	96.7	96.3	6.7	5.0	7.7	6.0	6.0	6.0	7.3	8.0	8.7	8.0	8.0	7.7	8.0	7.2
MICHELANGELO (LTP-F5DPDR)	6.7	99.0	95.3	96.7	6.3	5.7	7.7	6.0	6.0	6.0	7.0	7.7	8.3	8.0	7.7	7.7	8.3	7.2
PARAMOUNT (PPG-TF-137)	6.7	98.3	96.0	96.3	6.3	5.3	6.7	6.3	6.0	5.7	7.7	8.0	8.7	8.0	7.7	7.7	8.3	7.2
REGENERATE	7.0	99.0	96.7	95.7	7.0	6.7	7.7	6.3	6.0	6.0	7.0	8.0	8.7	7.3	7.3	7.3	8.0	7.2
RHAMBLER 2 SRP (LSD)	6.3	99.0	95.3	97.0	6.7	5.7	7.0	6.0	6.0	6.0	7.3	7.3	8.0	8.0	8.0	8.0	8.7	7.2
SALTILLO (PST-5SALT)	6.3	99.0	97.0	96.7	6.3	5.3	7.3	6.7	6.0	6.0	7.3	8.0	8.0	8.0	8.0	7.7	8.3	7.2
TERRANO	6.0	98.7	96.7	96.3	6.7	5.3	7.0	6.7	6.3	6.0	6.7	7.3	8.3	8.0	8.0	8.0	8.3	7.2
THUNDERSTRUCK (TD1)	7.3	99.0	96.3	96.3	7.3	5.3	7.3	6.0	6.0	6.0	7.7	8.0	8.7	7.7	7.7	7.7	8.3	7.2
TITANIUM 2LS (PPG-TF-152)	6.3	98.7	96.3	96.7	6.3	5.3	6.7	6.0	6.0	6.0	7.0	7.7	8.3	8.0	8.0	8.0	9.0	7.2
ARES (PPG-TF-142)	7.0	98.3	96.0	96.0	7.0	5.0	7.0	6.0	6.0	6.0	7.3	8.0	8.0	8.0	7.7	7.7	8.0	7.1
ATF 1612	6.0	99.0	94.3	97.0	6.0	5.7	7.0	6.0	6.0	6.0	7.3	7.3	7.7	8.0	8.0	8.0	8.3	7.1

TABLE 18.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/
2017 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER			WINTER COLOR	QUALITY RATINGS												MEAN
		SPRING	SUMMER	FALL		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
AVENGER II (PPG-TF-156)	6.3	99.0	96.0	96.7	6.3	5.3	7.0	6.3	6.0	6.0	7.7	7.7	7.7	7.7	7.7	7.3	8.3	7.1
DYNAMITE LS (PPG-TF-145)	7.0	98.0	96.3	95.7	6.3	4.7	6.3	6.3	6.0	6.0	8.0	8.0	8.3	8.0	7.7	7.7	8.0	7.1
EMBRACE (PST-5EV2)	6.3	98.7	96.0	96.7	6.0	5.7	7.7	6.0	6.0	6.0	7.0	7.7	8.0	7.7	8.0	8.0	8.0	7.1
FAITH	6.7	99.0	95.7	96.3	6.3	5.7	7.0	6.3	6.0	6.0	7.3	8.0	8.3	7.7	7.7	7.7	8.0	7.1
FRONTLINE (EXP TF-09)	6.3	98.7	95.7	95.3	6.3	5.0	7.7	6.7	6.0	6.0	7.0	7.7	8.3	8.0	8.0	7.3	8.0	7.1
K12-13	6.3	98.7	95.3	95.7	6.3	5.0	7.0	6.0	6.0	6.0	7.3	7.7	8.0	8.0	8.0	8.0	8.0	7.1
LEONARDO (LTP-FSD)	6.0	99.0	96.0	97.3	6.7	5.7	7.0	6.0	6.0	6.0	6.7	7.3	8.3	8.0	7.7	7.7	8.3	7.1
MET 1	6.7	99.0	94.0	96.0	6.0	5.7	7.0	6.0	6.0	6.0	7.3	7.7	7.7	8.0	8.0	8.0	8.3	7.1
NIGHTCRAWLER (IS-TF 285)	6.7	99.0	95.7	96.3	6.7	4.7	7.3	6.3	6.0	6.0	7.7	8.0	8.0	8.0	8.0	7.7	8.0	7.1
PPG-TF-115	6.7	99.0	97.0	95.7	6.3	5.0	7.3	6.3	6.0	6.0	7.7	7.7	8.0	8.0	7.7	7.3	8.3	7.1
PPG-TF-138	6.3	99.0	96.7	96.0	6.3	5.0	7.0	6.3	6.0	6.0	7.3	7.7	8.0	7.7	7.7	7.7	8.7	7.1
REFLECTION (U45)	7.3	99.0	95.7	97.3	6.3	5.0	7.0	6.3	6.0	6.0	7.7	7.7	8.0	7.7	8.0	7.7	8.3	7.1
ROWDY (SRX-TPC)	7.3	98.3	95.3	96.3	6.7	5.7	7.3	6.0	6.0	6.0	7.7	8.0	8.3	8.0	7.3	7.0	8.0	7.1
SCREAMER LS (PPG-TF-148)	6.0	98.7	96.0	96.7	6.0	5.7	7.0	6.0	6.0	6.0	7.3	7.7	7.7	8.0	8.0	7.7	8.7	7.1
SUPERSONIC (PPG-TF-170)	6.7	99.0	96.0	96.0	6.3	5.0	7.3	6.0	6.0	6.0	7.7	7.7	8.3	8.0	7.7	7.7	8.0	7.1
VALKYRIE LS (PPG-TF-172)	6.0	98.7	94.0	96.3	6.3	5.0	7.3	7.0	6.0	6.0	7.0	7.7	7.7	7.7	7.7	7.3	8.3	7.1
W41	7.3	99.0	96.7	95.7	6.3	4.7	7.0	6.7	6.0	6.0	7.3	8.0	8.3	8.0	7.7	7.3	8.0	7.1
WARHAWK	5.7	98.7	94.7	96.3	6.7	5.7	6.7	6.7	6.0	6.0	7.3	7.0	7.7	8.0	7.7	7.7	8.3	7.1
WICHITA (PPG-TF-151)	6.3	99.0	96.3	96.3	7.0	5.0	7.3	6.3	6.0	6.0	7.3	7.7	8.0	8.0	7.7	7.7	8.7	7.1
XTENDER (PPG-TF-139)	6.0	98.0	95.0	97.3	6.7	5.0	6.3	6.3	6.0	6.0	7.0	7.7	8.3	8.0	8.0	8.0	8.7	7.1
ANNIHILATOR	6.0	98.7	95.0	96.7	6.3	5.3	6.0	6.7	6.0	5.7	7.0	7.3	7.7	8.0	8.0	8.0	8.0	7.0
ATF 1736	6.0	99.0	95.0	95.7	6.3	5.3	7.0	6.0	6.0	6.0	7.0	7.3	7.7	8.0	7.7	7.7	8.0	7.0
BULLSEYE	6.0	98.7	96.3	95.7	6.3	4.7	6.7	6.3	6.0	6.0	7.3	7.3	8.0	8.0	8.0	7.7	8.0	7.0
GRANDE 3	6.3	98.7	93.3	97.0	6.3	5.3	6.7	6.0	6.0	6.0	7.3	7.3	7.3	8.0	8.0	8.0	8.3	7.0
HEMI	6.7	98.7	92.7	96.3	6.3	5.7	7.0	6.0	6.0	6.0	7.3	7.3	7.0	8.0	7.7	7.7	8.3	7.0
JS 819	6.0	98.0	96.0	94.7	5.3	6.0	7.0	6.7	6.0	6.0	7.0	7.0	7.7	8.0	7.7	7.0	8.0	7.0
JS 825	6.7	98.3	95.3	95.0	6.3	5.3	7.0	6.0	6.0	6.0	7.0	7.7	8.0	8.0	7.7	7.7	8.0	7.0
K12-MCD	7.0	98.7	96.0	96.7	6.0	4.7	6.7	6.3	6.0	6.0	7.3	8.0	8.0	8.0	7.7	7.3	7.7	7.0
KINGDOM (DB1)	6.7	98.3	95.7	96.3	6.3	4.7	6.7	6.0	6.0	6.0	7.0	7.7	8.0	8.0	8.0	8.0	8.3	7.0
MET-3	6.7	98.7	96.0	96.3	6.0	5.0	6.3	6.3	6.0	6.0	7.0	7.7	8.0	8.0	8.0	8.0	8.0	7.0
OLYMPUS (RAD-TF-88)	6.3	98.0	96.0	95.7	6.3	5.0	6.3	6.0	6.0	6.0	7.3	8.0	8.0	7.7	8.0	8.0	8.0	7.0
PPG-TF-169	6.0	99.0	93.3	97.0	6.3	5.3	7.0	6.3	6.0	6.0	7.0	7.3	7.3	8.0	8.0	7.7	8.0	7.0
PST-5BPO	6.7	99.0	96.3	96.3	5.7	5.7	7.3	6.0	6.0	6.0	7.0	7.3	8.0	8.0	7.7	7.3	8.0	7.0
PST-5MVD	6.3	98.7	96.0	96.0	6.0	5.0	7.0	6.0	6.0	6.0	7.3	7.3	8.0	8.0	7.7	7.3	8.0	7.0
SWAGGER (PST-5R05)	5.3	99.0	95.7	97.7	6.0	5.3	7.0	6.0	6.0	6.0	7.0	7.3	7.7	8.0	7.7	7.7	8.0	7.0
TEMPLE (DZ1)	6.7	98.0	96.7	96.7	7.0	4.7	6.3	6.0	6.0	6.0	7.3	7.7	8.0	8.0	7.7	7.7	8.7	7.0
TEMPTATION (OR-21)	7.0	99.0	95.3	96.7	7.7	6.7	8.0	6.3	6.0	6.0	7.3	7.7	8.3	5.7	6.3	7.7	8.3	7.0
AQUADUCT	5.0	99.0	95.0	96.0	5.7	4.3	6.3	6.3	6.0	6.0	6.7	7.0	8.0	8.0	8.0	8.0	8.0	6.9
BAR FA 121089	6.0	98.3	95.7	95.7	6.0	4.7	7.0	6.3	6.0	6.0	7.0	7.3	8.0	7.3	7.3	7.3	8.0	6.9
BLOODHOUND (MET 6 SEL)	6.0	98.7	96.0	96.0	6.0	5.3	7.0	6.0	5.7	5.3	7.0	7.7	8.0	8.0	7.3	7.3	8.0	6.9
CATALYST	6.3	98.0	96.0	95.0	6.3	5.7	7.0	6.0	6.0	6.0	7.0	7.0	8.0	7.7	7.3	7.7	8.0	6.9
FIREWALL (PSG-WE1)	7.3	98.7	95.0	64.3	5.7	5.3	7.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0	6.7	5.7	7.7	6.9
HOVER (BURL TF-69)	6.7	97.3	96.3	96.3	6.3	3.7	6.3	6.0	6.0	6.0	7.3	8.0	8.3	8.0	7.7	7.3	8.0	6.9
JS 818	6.7	97.7	95.7	95.7	5.7	5.0	6.0	6.3	6.0	6.0	7.0	7.7	8.0	7.7	7.7	8.0	8.0	6.9
MARAUDER	5.3	99.0	93.7	96.3	6.7	5.7	6.7	6.3	6.0	6.0	6.7	7.0	7.3	8.0	7.7	7.7	8.3	6.9

TABLE 18.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/
2017 DATA

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

NAME	GENETIC COLOR	PERCENT SPRING	GROUND SUMMER	COVER FALL	WINTER COLOR	QUALITY RATINGS												MEAN
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MERIDIAN (PST-5GRB)	5.7	98.7	96.3	97.3	5.7	5.0	6.0	6.0	6.0	6.0	7.0	7.7	8.0	8.0	8.0	7.7	8.0	6.9
PPG-TF-135	6.0	98.7	96.0	96.3	7.0	5.0	6.3	6.0	6.0	6.0	7.3	7.7	8.3	7.3	7.3	7.7	8.3	6.9
PSG-TT4	5.7	98.7	96.0	96.3	5.3	5.0	6.7	6.0	6.0	6.0	7.0	7.7	8.0	8.0	7.7	7.3	8.0	6.9
PST-5BRK	5.7	99.0	96.0	97.3	6.0	4.7	6.3	6.0	6.0	6.0	7.0	7.0	8.0	8.0	8.0	7.7	8.3	6.9
RAIN DANCE (PST-5SDT)	6.0	98.7	96.3	96.7	6.3	5.0	7.0	6.0	6.0	6.0	7.0	7.7	7.7	8.0	7.7	7.3	8.0	6.9
TECHNIQUE (RZ2)	6.7	99.0	97.0	97.0	6.3	4.7	6.3	6.0	6.0	6.0	7.3	7.7	8.0	8.0	7.7	7.3	8.0	6.9
UNITUS (IS-TF 289)	6.0	99.0	94.7	94.3	6.7	5.7	8.0	6.3	5.3	4.7	7.0	7.3	7.7	8.0	7.7	7.3	8.0	6.9
BAR FA 120878	6.0	99.0	96.3	95.7	6.0	4.7	6.3	6.0	6.0	6.0	7.0	7.3	8.0	7.7	7.3	7.3	8.0	6.8
COMP. RES. SST	5.3	96.3	93.0	97.7	6.0	5.3	4.0	6.3	6.0	6.0	7.3	7.0	7.3	8.0	8.0	8.0	8.7	6.8
FIREBIRD 2	6.3	99.0	96.0	64.7	5.3	5.3	7.0	6.0	6.0	6.0	7.7	7.7	8.0	8.0	6.7	5.7	7.7	6.8
IS-TF 276 M2	7.3	98.7	95.0	64.0	5.7	5.7	7.3	6.3	6.0	6.0	7.7	7.7	8.0	8.0	6.7	5.7	7.0	6.8
PSG-PO1	6.7	99.0	94.0	96.3	6.7	5.3	7.7	6.0	6.0	6.0	7.7	7.7	7.3	5.7	6.3	7.7	8.0	6.8
RAD-TF-89	6.7	98.3	95.7	96.3	7.3	5.3	7.3	6.7	6.0	6.0	7.0	8.0	8.0	5.3	6.0	7.7	8.0	6.8
BAR FA 121091	6.7	98.0	95.7	95.7	6.0	4.0	6.3	6.0	6.0	6.0	7.0	7.3	8.0	7.7	7.3	7.0	8.0	6.7
FALCON IV	6.0	98.3	96.0	96.3	6.0	4.7	5.7	6.0	6.0	6.0	7.0	7.0	8.0	7.3	7.0	7.3	8.0	6.7
FALCON V	5.3	97.7	94.3	95.7	6.3	4.7	5.7	6.0	6.0	6.0	7.0	7.0	7.3	7.7	7.3	7.3	8.0	6.7
INSPIRATION (PST-R5NW)	6.0	97.7	96.0	96.3	6.0	3.3	5.7	6.0	6.0	6.0	7.0	7.3	8.0	8.0	7.7	7.7	8.0	6.7
JS 809	6.0	98.3	95.7	95.0	6.0	5.0	6.7	6.3	6.0	6.0	7.3	7.7	8.0	5.7	6.3	7.7	7.7	6.7
PSG-8BP2	6.0	98.3	94.0	95.3	5.7	3.7	6.0	6.0	6.0	6.0	7.0	7.0	7.3	8.0	8.0	7.3	8.0	6.7
PSG-GSD	5.3	99.0	95.0	96.7	6.3	5.0	6.7	6.0	6.0	6.0	7.0	7.0	7.7	5.7	6.7	8.0	8.3	6.7
RAD-TF-83	6.0	98.7	94.3	95.0	6.3	5.0	7.0	6.3	6.0	6.0	7.3	7.3	7.7	5.7	6.7	7.3	8.0	6.7
RAD-TF-92	7.0	98.0	95.3	95.7	6.0	5.0	7.0	6.0	6.0	6.0	7.3	7.7	8.3	5.0	6.7	7.7	8.0	6.7
BAR FA 121095	6.3	98.0	96.0	64.0	5.0	4.7	6.3	6.0	6.0	6.0	7.3	8.0	8.0	8.0	6.7	5.7	7.0	6.6
PST-5DZP	6.0	99.0	95.7	96.3	5.7	5.0	7.0	6.0	6.0	6.0	7.0	7.0	7.7	5.7	6.0	7.3	8.0	6.6
PST-5EX2	4.7	99.0	96.7	97.0	6.0	4.7	6.3	6.0	6.0	6.0	6.0	6.7	8.0	5.7	6.7	7.7	8.0	6.5
KY-31	2.7	98.7	96.0	93.0	4.7	4.7	5.0	6.0	6.0	5.7	4.7	5.3	6.7	5.3	5.7	6.7	6.7	5.7
LSD VALUE	1.0	1.6	6.7	44.9	1.3	2.6	1.9	1.1	0.6	1.3	0.9	0.8	1.3	4.3	3.0	4.1	1.8	0.4
C.V. (%)	9.4	0.6	1.6	10.7	9.5	16.3	12.1	6.2	2.2	4.6	6.4	5.7	7.0	14.7	10.7	10.8	6.7	3.6

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 19.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE (TRAFFIC STUDY), TN 1/
2017 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER			WINTER COLOR	QUALITY RATINGS												
		SPRING	SUMMER	FALL		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
FOXHOUND (IS-TF 284 M2)	6.7	79.0	94.0	95.7	6.3	6.3	8.0	8.7	6.0	6.0	6.0	8.0	8.0	8.3	8.0	7.3	8.3	7.4
IS-TF 269 SEL	7.0	73.3	94.0	95.0	6.7	6.3	7.3	7.0	6.7	6.0	6.7	8.0	8.0	8.3	8.0	7.3	8.3	7.3
IS-TF 308 SEL	6.7	77.7	95.3	95.0	6.3	6.0	7.7	7.3	6.3	6.0	6.3	8.0	8.0	8.0	7.7	7.7	8.7	7.3
MAESTRO (T31)	7.3	82.7	96.0	95.3	6.7	6.3	7.3	6.7	6.0	6.0	6.3	7.7	7.7	8.0	8.0	8.0	9.0	7.3
REGENERATE	7.3	64.0	94.0	94.7	6.3	6.7	7.7	7.3	6.3	6.0	6.3	8.0	7.7	8.3	7.3	7.3	8.3	7.3
ROCKWELL (LTP-TWUU)	6.3	78.3	96.0	95.3	6.7	6.7	7.7	7.0	6.3	6.0	6.3	7.7	7.3	7.7	8.0	7.7	8.7	7.3
TURFWAY (IS-TF 282 M2)	6.7	79.7	94.3	95.7	6.7	6.3	8.3	8.7	6.0	6.0	6.0	7.7	8.0	7.7	8.0	7.0	8.0	7.3
AMITY (CCR2)	6.7	72.3	97.7	95.7	6.3	6.0	7.3	7.7	6.0	6.0	6.0	7.7	7.3	8.0	8.0	7.7	8.3	7.2
BIZEM	7.0	77.0	95.7	95.7	6.3	5.3	7.0	7.0	6.3	6.0	6.3	7.7	8.0	8.0	8.0	7.7	8.7	7.2
FAYETTE (IS-TF 291)	7.0	78.0	96.0	94.7	6.7	6.7	7.7	7.3	6.3	6.0	6.0	7.3	7.3	8.0	7.7	7.3	8.3	7.2
HOUNDOG8 (IS-TF 307 SEL)	7.0	73.7	94.7	95.0	6.7	5.7	7.3	7.3	6.3	6.0	6.3	7.7	7.7	8.0	8.0	7.7	8.3	7.2
IS-TF-287	6.7	79.0	95.7	96.0	6.0	5.7	7.3	7.7	6.3	6.0	6.3	7.3	7.3	8.0	8.0	7.7	8.3	7.2
RAPTOR III (ZW 44)	7.3	81.0	95.0	96.0	6.3	6.0	7.0	7.0	6.3	6.0	6.3	7.7	7.7	8.0	8.0	7.7	8.3	7.2
REBOUNDER (PICK-W43)	7.7	76.0	97.7	95.3	6.7	6.3	7.3	7.0	6.0	6.0	6.3	7.7	8.0	8.0	8.0	7.7	8.3	7.2
RHIZING MOON (IS-TF 305 SEL)	7.0	81.7	95.3	95.3	6.7	6.0	7.3	7.3	6.3	6.0	6.3	7.7	8.0	8.0	7.7	7.7	8.3	7.2
TRAVERSE 2 SRP (W45)	7.3	79.0	93.7	94.7	6.7	5.7	7.7	7.3	6.0	6.0	6.0	8.3	7.7	8.3	8.0	7.3	8.3	7.2
ATF 1704	6.0	82.7	94.0	95.3	5.7	6.3	7.3	8.0	6.0	6.0	6.0	7.0	7.7	8.0	8.0	7.0	8.0	7.1
ATF 1736	6.3	85.0	94.3	94.7	6.0	5.7	6.3	6.7	6.3	6.0	6.7	7.3	7.7	7.7	8.0	8.0	8.7	7.1
AVENGER II (PPG-TF-156)	6.3	80.0	96.0	95.7	6.0	5.3	7.0	6.7	6.3	6.0	6.3	7.7	7.7	7.7	7.7	7.7	8.7	7.1
BLACK TAIL (PPG-TF-150)	6.3	70.3	96.7	95.0	5.3	5.7	7.3	7.7	6.0	6.0	6.0	7.3	7.7	8.0	8.0	7.3	7.7	7.1
CAESAR (TY 10)	7.3	70.0	95.7	94.7	6.3	6.3	7.3	6.7	6.0	6.0	6.0	7.7	7.3	8.0	8.0	7.7	8.7	7.1
DIABLO (IS-TF 330)	7.0	77.7	95.3	95.3	6.3	6.0	7.0	7.7	6.0	6.0	6.0	7.7	7.7	8.0	8.0	7.3	8.0	7.1
FRONTLINE (EXP TF-09)	6.7	76.0	94.3	94.3	6.0	6.0	7.0	7.3	6.0	6.0	6.3	7.3	7.0	7.7	8.3	7.7	8.3	7.1
GTO (BURL TF-2)	6.7	80.3	96.3	96.3	6.0	6.0	7.0	7.0	6.0	6.0	6.0	7.3	8.0	7.7	8.0	8.0	8.3	7.1
HOT ROD (BURL TF-136)	6.3	78.0	94.3	95.7	6.7	6.3	7.3	7.3	6.0	6.0	6.3	7.3	8.0	7.7	8.0	7.0	8.0	7.1
IS-TF 311	8.0	75.7	95.3	94.0	6.0	6.3	7.3	7.0	6.0	6.0	6.3	7.7	7.3	8.0	7.3	8.0	8.3	7.1
K12-05	7.0	74.3	97.3	95.3	6.0	5.3	6.7	7.0	6.0	6.0	6.0	7.7	7.7	8.0	8.0	8.0	8.3	7.1
ROWDY (SRX-TPC)	7.0	80.3	96.7	95.3	6.3	6.3	7.0	7.3	6.0	6.0	6.0	7.7	7.0	8.0	7.7	7.3	8.3	7.1
TEMPTATION (OR-21)	6.7	78.7	94.3	95.7	7.0	6.7	8.0	8.0	6.3	6.0	6.3	7.7	7.3	8.0	5.7	6.3	8.3	7.1
THOR (PPG-TF-157)	6.3	80.0	95.7	95.0	6.7	6.0	7.3	7.3	6.0	6.0	6.0	7.7	7.7	8.0	8.0	7.3	8.3	7.1
THUNDERSTRUCK (TD1)	7.3	78.7	95.0	95.3	6.7	6.0	7.3	7.7	6.0	6.0	6.3	7.7	7.3	8.0	7.3	7.3	8.3	7.1
204 RES. BLK4	5.0	69.3	97.3	96.7	5.3	6.3	7.0	8.0	6.0	6.0	6.0	7.0	7.0	7.3	8.0	7.7	8.0	7.0
4TH MILLENNIUM SRP (U43)	6.7	72.7	95.3	96.0	6.3	6.3	7.0	7.3	6.0	5.7	5.7	7.0	7.3	8.0	8.0	7.3	8.0	7.0
ARES (PPG-TF-142)	6.3	79.0	94.7	95.0	6.7	5.7	7.0	7.3	6.0	6.0	6.0	7.0	7.3	8.0	8.0	7.3	8.0	7.0
ATF 1612	6.0	78.7	94.0	96.0	6.0	6.0	7.0	7.3	6.0	6.0	6.0	7.3	7.3	7.7	8.0	7.3	8.3	7.0
ATF 1754	5.7	76.7	94.0	95.7	6.3	5.7	7.0	7.3	6.0	6.0	6.3	7.3	7.3	8.0	7.7	7.3	8.3	7.0
BAR FA 121089	6.0	78.3	93.7	94.7	6.0	5.0	7.0	6.3	6.3	6.0	6.7	7.7	7.3	8.0	7.7	7.3	8.3	7.0
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	79.0	95.0	94.7	6.7	5.3	7.0	7.3	6.0	6.0	6.0	7.7	7.7	7.3	8.0	7.3	8.3	7.0
EMBRACE (PST-5EV2)	6.0	74.0	96.3	95.7	5.3	5.7	7.0	7.7	6.0	6.0	6.0	7.0	7.3	7.7	8.0	7.3	8.0	7.0
F711	6.3	76.3	96.3	96.0	6.0	6.0	7.3	7.3	6.0	6.0	6.0	7.0	7.0	8.0	8.0	7.0	8.0	7.0
FAITH	6.7	77.7	94.7	95.3	6.0	6.0	7.0	7.0	6.0	6.0	6.0	7.7	7.0	8.0	7.3	7.3	8.3	7.0
FESNOVA	6.7	75.3	95.7	96.0	6.0	6.3	7.0	6.7	6.0	6.0	6.0	7.3	7.0	8.0	7.7	7.7	8.3	7.0
FIRECRACKER SLS (PPG-TF-105)	6.3	81.7	95.0	95.7	6.7	5.7	7.3	7.0	6.0	6.0	6.0	7.7	7.0	8.0	7.7	7.3	8.3	7.0
HEMI	6.3	83.0	95.0	95.3	6.3	6.3	6.7	7.0	6.0	6.0	6.0	7.0	7.7	7.0	8.0	7.7	8.3	7.0
IS-TF 272	6.7	79.3	96.7	95.0	6.7	5.3	7.0	6.7	6.3	6.0	6.3	7.3	7.3	7.7	8.0	7.7	8.3	7.0

TABLE 19.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE (TRAFFIC STUDY), TN 1/
2017 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER			WINTER COLOR	QUALITY RATINGS													
		SPRING	SUMMER	FALL		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	
JS 916	5.7	64.7	96.7	95.0	5.7	6.0	7.3	7.3	6.0	6.0	6.0	7.0	7.3	8.0	8.0	7.0	8.0	7.0	
MEMPHIS (GO-DFR)	6.7	76.0	96.0	95.3	6.0	5.3	7.0	7.7	6.0	6.0	6.0	7.3	7.0	8.0	8.0	7.7	8.0	7.0	
MET 1	7.0	76.0	94.7	95.0	6.0	6.0	6.7	6.7	6.0	6.0	6.0	7.7	7.3	7.3	7.7	7.7	8.7	7.0	
MICHELANGELO (LTP-F5DPDR)	6.0	70.7	94.0	95.7	6.3	5.7	7.7	7.7	6.0	6.0	6.0	7.0	7.3	7.7	8.0	7.0	8.0	7.0	
NIGHTCRAWLER (IS-TF 285)	6.7	72.7	95.7	95.3	6.3	5.3	6.7	6.7	6.3	6.0	6.3	7.7	7.3	8.0	7.7	7.7	8.7	7.0	
PARAMOUNT (PPG-TF-137)	6.7	71.3	97.0	95.3	6.0	5.7	6.7	7.0	6.0	6.0	6.0	7.3	7.7	8.0	8.0	7.3	8.0	7.0	
PPG-TF-115	7.0	83.7	96.3	94.7	6.3	5.7	7.0	7.0	6.0	6.3	6.7	7.3	7.0	7.3	8.0	7.3	8.3	7.0	
PPG-TF-138	6.3	70.0	95.3	95.0	6.3	5.7	7.0	7.0	6.0	6.0	6.3	7.3	7.3	8.0	8.0	7.3	8.3	7.0	
RHAMBLER 2 SRP (LSD)	6.0	79.3	96.0	96.0	6.3	6.0	6.7	7.0	6.3	6.0	6.3	7.3	7.0	7.3	7.7	7.7	8.3	7.0	
SALTILLO (PST-5SALT)	6.0	78.7	95.3	95.7	5.7	5.7	7.7	7.7	6.0	6.0	6.0	7.0	7.0	8.0	8.0	7.0	8.0	7.0	
SCREAMER LS (PPG-TF-148)	5.7	78.3	94.7	95.7	5.7	6.0	7.3	7.3	6.0	6.0	6.0	7.0	7.3	7.7	8.0	7.0	8.0	7.0	
SUPERSONIC (PPG-TF-170)	7.3	77.7	93.7	95.0	6.3	5.3	7.0	6.7	6.0	6.0	6.3	7.7	7.0	8.0	7.7	7.7	8.7	7.0	
W41	6.7	72.3	95.3	94.7	6.0	5.0	7.0	7.0	6.0	6.0	6.0	7.3	8.0	8.0	8.0	7.3	8.0	7.0	
WICHITA (PPG-TF-151)	7.0	82.3	96.3	95.3	6.3	5.3	7.0	6.7	6.0	6.0	6.3	7.7	8.0	7.3	7.7	7.7	8.7	7.0	
B23	6.7	78.0	95.7	95.7	6.7	6.0	6.3	6.3	6.0	6.0	6.0	7.7	7.3	7.7	7.3	7.7	8.7	6.9	
FIREWALL (PSG-WE1)	6.7	80.0	96.3	85.3	5.3	5.7	7.0	8.0	6.0	6.0	6.0	7.3	8.0	7.7	8.0	6.0	7.0	6.9	
GRANDE 3	6.3	81.0	96.7	96.0	6.0	6.3	6.7	6.3	6.0	6.0	6.3	7.0	7.7	7.0	8.0	7.3	8.3	6.9	
JS 819	5.7	70.7	95.7	93.7	5.3	6.0	6.7	6.7	6.3	6.0	6.3	7.3	7.3	7.3	8.0	7.3	7.3	6.9	
JS 825	6.0	67.0	91.3	94.0	6.3	6.0	6.7	7.0	6.0	6.0	6.0	7.3	7.0	7.7	8.0	7.0	7.7	6.9	
K12-13	5.7	80.3	95.0	94.7	5.3	5.3	6.7	7.0	6.0	6.0	6.0	7.0	7.3	7.7	8.0	7.3	8.0	6.9	
KINGDOM (DB1)	6.7	72.0	94.7	95.3	6.3	5.0	6.3	6.0	6.0	6.0	6.0	7.3	7.3	8.0	8.0	7.7	8.7	6.9	
LEONARDO (LTP-FSD)	6.0	79.7	94.7	96.3	6.7	6.0	7.0	7.3	6.0	6.0	6.0	7.0	7.3	7.7	8.0	6.7	8.0	6.9	
PPG-TF-135	6.3	74.3	96.0	95.3	6.3	5.0	6.3	6.3	6.0	6.0	6.3	7.7	7.3	8.0	7.7	7.3	8.3	6.9	
PPG-TF-169	6.0	83.3	94.3	96.0	6.3	5.7	7.3	7.0	6.0	6.0	6.0	7.0	7.0	7.0	7.7	7.3	8.3	6.9	
PST-5MVD	6.0	77.3	95.7	95.0	5.7	5.7	7.0	6.7	6.0	6.0	6.0	7.3	6.7	7.7	7.7	7.3	8.3	6.9	
REFLECTION (U45)	7.0	79.3	96.0	96.3	6.3	5.3	6.7	6.7	6.0	6.0	6.0	7.3	8.0	7.7	7.7	7.3	8.3	6.9	
TERRANO	5.7	72.0	96.0	95.3	6.3	5.7	7.0	7.0	6.3	6.0	6.0	7.0	6.7	8.0	8.0	7.3	8.0	6.9	
TITANIUM 2LS (PPG-TF-152)	5.7	81.0	94.3	95.7	6.3	5.7	6.3	7.0	6.0	6.0	6.0	7.0	8.0	8.0	8.0	7.0	8.0	6.9	
BULLSEYE	5.7	75.7	95.7	94.7	5.7	5.0	6.3	6.7	6.0	6.0	6.0	7.0	7.3	7.7	8.0	7.0	8.0	6.8	
CATALYST	6.3	71.7	97.3	94.0	6.0	6.0	6.3	6.7	6.0	6.0	6.3	7.3	6.7	7.0	7.7	7.7	8.0	6.8	
DYNAMITE LS (PPG-TF-145)	6.7	74.0	95.3	94.7	6.3	4.7	6.3	6.3	6.0	6.0	6.0	7.7	7.0	8.0	7.7	7.3	8.3	6.8	
FIREBIRD 2	6.7	77.0	96.7	89.0	5.0	5.3	7.0	6.7	6.0	6.0	6.0	7.3	7.3	7.7	8.0	6.3	7.3	6.8	
IS-TF 276 M2	6.7	77.7	94.0	88.3	5.7	6.0	7.0	7.0	6.0	6.0	6.3	7.3	7.0	7.7	8.0	6.3	7.3	6.8	
K12-MCD	6.7	78.0	97.0	95.7	5.7	5.3	6.3	6.0	6.3	6.0	6.3	7.3	7.0	8.0	7.7	7.0	8.0	6.8	
MARAUDER	6.0	70.3	95.7	95.3	6.3	6.0	7.0	6.3	6.0	6.0	6.0	7.3	6.3	7.0	7.3	7.3	8.7	6.8	
MERIDIAN (PST-5GRB)	5.7	78.7	96.3	96.3	5.0	5.3	6.0	6.0	6.0	6.0	6.0	7.3	7.3	8.0	8.0	7.7	8.3	6.8	
MET-3	6.0	73.7	95.0	95.3	5.7	5.3	6.0	6.0	6.3	6.0	6.3	7.3	7.0	8.0	7.7	7.7	8.3	6.8	
OLYMPUS (RAD-TF-88)	6.0	68.3	94.3	94.7	5.7	5.0	6.3	7.0	6.0	6.0	6.0	7.0	7.0	8.0	8.0	7.0	8.0	6.8	
PSG-TT4	5.0	74.3	95.0	95.3	5.0	5.7	6.7	7.0	6.0	6.0	6.0	7.0	7.0	7.7	8.0	7.0	7.7	6.8	
PST-5BPO	6.0	79.3	95.0	95.3	5.0	5.7	7.3	7.3	6.0	6.0	6.0	7.0	7.0	7.3	8.0	7.0	7.3	6.8	
PST-5BRK	5.7	72.7	96.0	96.3	5.7	5.0	6.3	6.0	6.3	6.0	6.3	7.3	7.3	7.3	7.7	7.7	8.7	6.8	
RAIN DANCE (PST-5SDT)	5.7	73.7	96.0	95.7	5.7	5.3	6.3	7.0	6.0	6.0	6.0	6.7	7.3	7.7	8.0	7.0	7.7	6.8	
SWAGGER (PST-5R05)	4.7	74.7	94.0	96.7	5.0	5.3	7.0	7.0	6.0	6.0	6.0	7.0	7.0	7.3	8.0	7.0	8.0	6.8	
TECHNIQUE (RZ2)	6.3	72.3	97.7	96.0	5.7	5.3	6.0	6.7	6.0	6.0	6.0	7.0	7.7	7.7	8.0	7.3	7.7	6.8	
TEMPLE (DZ1)	5.7	74.7	94.7	95.7	6.3	5.3	6.3	6.7	6.0	6.0	6.0	7.0	7.3	8.0	8.0	7.0	8.0	6.8	

TABLE 19.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE (TRAFFIC STUDY), TN 1/
2017 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER			WINTER COLOR	QUALITY RATINGS												MEAN
		SPRING	SUMMER	FALL		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
UNITUS (IS-TF 289)	6.0	79.0	94.7	93.3	6.0	6.0	7.7	7.7	5.7	4.7	5.0	7.3	7.3	7.7	7.7	7.3	8.0	6.8
VALKYRIE LS (PPG-TF-172)	5.7	78.3	95.0	95.3	5.7	5.3	7.0	7.3	6.0	6.0	6.0	6.7	7.3	7.3	8.0	7.0	8.0	6.8
WARHAWK	5.7	77.7	95.3	95.3	6.7	6.3	6.0	6.0	6.0	6.0	6.0	7.3	7.0	6.7	8.0	7.3	8.3	6.8
XTENDER (PPG-TF-139)	5.7	76.0	97.0	96.3	6.3	5.0	6.0	6.3	6.0	6.0	6.3	7.0	8.0	7.3	8.0	7.7	8.3	6.8
BLOODHOUND (MET 6 SEL)	6.0	72.3	96.7	95.0	5.3	6.0	6.3	5.7	5.7	5.3	5.3	7.7	7.0	8.0	7.3	7.7	8.3	6.7
JS 818	6.3	64.7	95.0	94.7	5.7	5.7	5.7	5.3	6.0	6.0	6.3	7.3	7.3	7.7	7.3	7.7	8.3	6.7
PSG-PO1	6.7	75.7	94.7	95.3	6.3	6.0	7.3	7.3	6.0	6.0	6.3	7.0	7.0	7.3	5.7	6.3	8.3	6.7
RAD-TF-89	7.0	78.3	95.3	95.3	6.7	5.7	6.7	6.3	6.0	6.0	6.3	8.0	6.7	8.0	5.0	6.7	8.7	6.7
ANNIHILATOR	5.7	71.0	95.0	95.7	6.0	5.3	5.7	6.3	6.0	5.7	6.0	7.0	6.0	7.7	7.7	7.7	8.3	6.6
AQUADUCT	5.3	74.0	91.0	95.0	5.7	4.7	5.7	6.0	6.0	6.0	6.0	6.7	6.7	7.3	8.0	7.3	8.3	6.6
BAR FA 120878	5.7	73.0	92.7	94.7	6.0	5.3	6.3	6.0	6.3	6.0	6.3	7.0	5.7	7.3	8.0	7.3	8.0	6.6
BAR FA 121091	7.0	75.3	95.3	94.7	6.0	4.7	6.0	6.0	6.0	6.0	6.3	7.3	7.0	7.3	7.7	7.3	8.0	6.6
FALCON IV	6.7	83.7	95.3	95.3	5.7	5.0	5.3	5.0	6.0	6.0	6.3	7.3	7.0	7.3	7.7	7.7	8.7	6.6
FALCON V	6.0	82.7	94.0	94.7	5.7	5.3	5.7	5.0	6.0	6.0	6.3	7.3	6.7	7.0	7.7	7.7	8.7	6.6
HOVER (BURL TF-69)	6.3	71.3	93.0	95.3	6.3	4.3	6.3	6.0	6.0	6.0	6.0	7.3	7.0	8.0	7.7	7.0	8.0	6.6
INSPIRATION (PST-R5NW)	6.0	81.0	97.3	95.3	6.0	4.0	5.7	5.0	6.0	6.0	6.3	7.3	7.0	7.3	7.7	7.7	8.7	6.6
PST-5DZP	6.3	79.3	95.7	95.3	5.7	5.0	6.3	6.7	6.0	6.0	6.3	7.7	7.7	7.0	5.3	6.7	8.7	6.6
RAD-TF-83	6.7	71.0	94.7	94.0	5.3	5.7	6.7	6.0	6.3	6.0	6.3	7.3	7.3	7.7	5.7	6.7	8.0	6.6
RAD-TF-92	6.3	71.3	94.7	94.7	6.0	5.3	7.0	7.3	6.0	6.0	6.0	7.3	7.3	7.7	5.7	5.7	8.0	6.6
BAR FA 121095	6.7	71.7	96.7	89.0	4.3	4.7	5.7	5.3	6.0	6.0	6.3	7.7	6.7	8.0	7.3	6.7	7.3	6.5
PSG-8BP2	5.7	79.7	94.3	94.3	5.3	4.0	5.3	5.7	6.0	6.0	6.3	7.0	7.0	7.0	8.0	7.7	8.3	6.5
JS 809	5.7	67.0	94.0	94.0	5.7	5.7	6.7	6.7	6.0	6.0	6.0	7.0	7.0	7.7	5.7	6.0	7.0	6.4
PSG-GSD	6.3	75.7	95.7	95.7	6.0	5.0	5.7	5.7	6.0	6.0	6.3	7.0	7.0	6.7	5.0	7.0	9.0	6.4
COMP. RES. SST	5.0	72.3	97.0	96.7	6.0	5.7	3.7	4.3	6.0	6.0	6.3	7.0	7.0	6.7	7.7	7.3	8.3	6.3
PST-5EX2	3.7	70.0	94.0	96.0	5.3	4.7	6.3	6.3	6.0	6.0	6.0	6.3	7.0	7.3	5.7	6.0	8.0	6.3
KY-31	2.7	59.0	91.7	92.0	4.0	5.0	4.3	5.0	6.0	5.7	6.0	5.3	6.3	5.7	5.3	6.0	6.7	5.6
LSD VALUE	1.4	17.0	3.9	10.5	1.2	3.7	1.6	2.2	1.9	1.2	2.9	1.3	0.9	1.3	4.1	4.2	2.1	0.5
C.V. (%)	12.5	8.7	1.8	2.7	10.2	16.1	12.3	14.6	5.2	4.4	7.6	7.3	6.7	7.4	14.9	11.5	7.6	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 20. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT LOGAN (DROUGHT), UT 1/
2017 DATA

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

NAME	SPRING	QUALITY RATINGS							MEAN
	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	
FAYETTE (IS-TF 291)	3.7	5.0	6.7	7.7	6.0	6.0	6.3	3.0	5.8
IS-TF 272	4.0	4.7	6.7	7.0	5.3	6.3	6.7	3.7	5.8
FIREWALL (PSG-WE1)	4.0	5.7	7.0	7.0	5.3	5.3	5.3	4.0	5.7
IS-TF 311	5.0	5.3	6.7	7.0	5.0	6.0	6.0	3.7	5.7
4TH MILLENNIUM SRP (U43)	4.3	5.0	7.3	7.3	5.3	5.0	6.0	3.3	5.6
KINGDOM (DB1)	3.3	5.0	7.7	7.3	6.3	5.0	5.0	3.0	5.6
LEONARDO (LTP-FSD)	4.0	4.7	6.3	7.0	5.7	5.7	6.0	4.0	5.6
ROCKWELL (LTP-TWUU)	4.7	5.7	7.0	7.0	5.0	5.0	5.7	4.0	5.6
FAITH	4.3	5.7	7.0	6.0	5.3	5.0	5.3	4.0	5.5
UNITUS (IS-TF 289)	4.0	5.0	6.7	7.3	5.7	4.7	5.7	3.3	5.5
FIRECRACKER SLS (PPG-TF-105)	4.3	5.7	7.3	6.3	5.3	4.7	5.0	3.3	5.4
NIGHTCRAWLER (IS-TF 285)	4.0	5.0	7.7	7.3	5.3	4.0	5.0	3.7	5.4
W41	4.0	5.0	7.0	7.0	4.7	5.3	5.3	3.3	5.4
HOT ROD (BURL TF-136)	4.0	5.3	7.0	6.7	5.0	5.0	5.0	3.3	5.3
MAESTRO (T31)	4.7	5.3	6.3	7.0	4.7	5.0	5.0	3.7	5.3
PARAMOUNT (PPG-TF-137)	4.3	5.0	7.3	7.0	5.0	5.0	4.7	3.0	5.3
PPG-TF-115	4.3	5.7	7.7	7.0	4.7	4.7	4.7	3.0	5.3
PST-5BP0	4.0	4.7	6.0	6.7	5.3	5.3	5.3	3.7	5.3
204 RES. BLK4	4.7	3.7	6.3	7.0	4.3	5.3	5.7	4.0	5.2
F711	4.0	5.7	7.7	6.3	5.0	4.7	4.0	3.3	5.2
GTO (BURL TF-2)	4.0	5.0	6.0	7.0	5.0	5.3	5.0	3.3	5.2
IS-TF 269 SEL	3.7	5.0	7.7	7.3	4.7	4.0	4.3	3.3	5.2
MEMPHIS (GO-DFR)	4.3	5.0	6.7	6.3	5.3	5.3	5.0	3.0	5.2
MET-3	3.7	4.7	7.3	7.0	5.0	4.0	5.0	3.7	5.2
PSG-P01	3.7	4.3	7.0	7.0	5.7	4.7	4.7	3.0	5.2
AMITY (CCR2)	4.0	5.3	7.3	6.7	4.0	4.0	5.0	3.3	5.1
BIZEM	4.0	5.0	6.7	6.7	4.7	5.0	5.0	3.0	5.1
GRANDE 3	3.7	4.3	6.3	6.3	4.7	4.7	5.7	3.7	5.1
HOVER (BURL TF-69)	4.0	4.7	6.7	6.7	5.0	4.3	5.0	3.3	5.1
IS-TF 276 M2	3.7	4.7	7.0	6.7	5.0	4.0	5.3	3.0	5.1
IS-TF 308 SEL	3.7	5.0	7.0	7.0	4.7	4.7	4.3	3.0	5.1
K12-MCD	3.3	4.7	6.0	7.0	5.0	5.3	4.7	3.0	5.1
MET 1	3.7	4.7	7.7	7.0	5.0	4.0	4.3	3.0	5.1
MICHELANGELO (LTP-F5DPDR)	4.0	4.7	7.0	6.3	4.7	4.3	5.3	3.7	5.1
PPG-TF-135	4.3	5.7	7.0	6.7	4.7	4.3	4.3	3.0	5.1
VALKYRIE LS (PPG-TF-172)	3.7	5.0	6.7	6.7	4.7	5.0	5.0	3.0	5.1
XTENDER (PPG-TF-139)	4.0	5.3	7.0	7.0	4.3	4.3	5.0	3.0	5.1
ATF 1754	3.3	4.0	6.3	6.7	4.7	4.3	5.0	3.7	5.0
BULLSEYE	4.3	5.0	7.0	7.0	4.7	4.0	4.3	3.0	5.0
CAESAR (TY 10)	4.0	4.7	7.0	7.0	4.7	4.3	4.0	3.0	5.0
DYNAMITE LS (PPG-TF-145)	4.0	5.7	7.3	7.0	4.7	4.0	3.3	2.7	5.0
FOXHOUND (IS-TF 284 M2)	3.7	4.0	6.3	6.7	6.0	5.0	4.0	2.7	5.0
PSG-8BP2	4.7	5.0	6.0	6.0	5.0	4.7	5.0	3.0	5.0
RAD-TF-89	4.3	5.0	7.0	6.7	4.3	4.3	4.7	3.3	5.0
RAPTOR III (ZW 44)	3.7	4.7	7.0	6.3	4.7	5.0	4.7	3.0	5.0

TABLE 20. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT LOGAN (DROUGHT), UT 1/
2017 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
REFLECTION (U45)	4.0	4.3	7.7	7.3	5.0	4.0	4.0	3.0	5.0
RHIZING MOON (IS-TF 305 SEL)	3.7	4.3	7.0	6.7	4.7	4.3	4.7	3.0	5.0
SWAGGER (PST-5R05)	4.3	5.3	6.3	6.3	5.0	4.3	4.3	3.0	5.0
AVENGER II (PPG-TF-156)	4.0	4.3	6.3	7.7	4.0	4.3	4.3	3.3	4.9
CATALYST	4.0	5.0	6.7	6.3	4.7	4.7	3.7	3.0	4.9
COMP. RES. SST	4.0	4.0	6.7	6.7	4.3	4.3	5.0	3.0	4.9
DIABLO (IS-TF 330)	4.0	5.0	7.0	7.0	5.0	3.7	3.7	2.7	4.9
FALCON V	4.0	5.0	6.7	6.3	4.3	4.3	4.3	3.0	4.9
PST-5BRK	4.0	5.3	6.3	5.7	5.0	4.7	4.0	3.0	4.9
PST-5DZP	3.3	4.3	6.0	6.3	4.3	5.0	5.0	3.0	4.9
PST-5MVD	3.7	4.7	6.3	6.3	5.0	4.3	4.3	3.0	4.9
RAIN DANCE (PST-5SDT)	4.0	4.7	5.7	5.3	5.0	5.0	5.3	3.0	4.9
REBOUNDER (PICK-W43)	3.3	4.3	6.7	7.0	5.0	4.0	4.7	2.7	4.9
ROWDY (SRX-TPC)	3.3	4.7	6.3	6.3	4.7	4.7	4.3	3.0	4.9
SALTILLO (PST-5SALT)	3.7	5.0	6.3	6.3	4.7	5.0	4.0	3.0	4.9
TEMPTATION (OR-21)	4.0	5.0	6.7	6.7	5.3	4.0	4.3	2.0	4.9
TERRANO	3.7	4.7	6.7	6.0	4.7	4.7	4.7	3.0	4.9
THUNDERSTRUCK (TD1)	3.3	5.0	7.0	7.0	4.3	3.7	4.3	3.0	4.9
TRAVERSE 2 SRP (W45)	4.0	5.3	7.3	6.7	5.0	3.0	3.7	3.0	4.9
WICHITA (PPG-TF-151)	4.0	4.7	6.7	6.3	5.3	4.0	4.3	2.7	4.9
ARES (PPG-TF-142)	4.0	5.0	7.3	6.3	4.0	4.3	4.3	2.0	4.8
B23	3.7	4.3	7.7	7.0	4.3	4.0	3.7	2.3	4.8
BLOODHOUND (MET 6 SEL)	3.7	4.3	6.3	6.7	4.7	4.0	4.7	3.0	4.8
FRONTLINE (EXP TF-09)	4.3	5.3	6.3	5.7	4.7	4.7	4.3	2.7	4.8
HEMI	4.7	6.3	7.3	6.7	3.7	3.3	4.0	2.3	4.8
HOUNDOG8 (IS-TF 307 SEL)	4.0	5.0	7.7	6.3	4.3	3.7	4.0	2.3	4.8
INSPIRATION (PST-R5NW)	3.7	5.0	5.7	6.3	5.0	4.7	4.0	3.0	4.8
K12-05	3.7	4.7	7.0	7.3	3.7	4.0	4.0	3.0	4.8
OLYMPUS (RAD-TF-88)	4.0	5.3	6.7	7.3	4.0	3.7	3.3	3.3	4.8
PPG-TF-169	4.0	4.3	6.0	6.7	4.3	4.0	5.0	3.3	4.8
PSG-GSD	4.0	5.0	6.3	6.3	4.3	4.3	4.3	3.0	4.8
RAD-TF-83	3.7	4.7	7.0	6.3	5.0	3.3	4.0	3.0	4.8
REBEL V (ATF 1736)	3.3	4.0	6.0	5.7	4.7	4.7	5.0	3.3	4.8
REGENERATE	3.3	4.7	7.3	7.0	4.7	3.3	4.0	2.7	4.8
SCREAMER LS (PPG-TF-148)	4.0	4.7	6.0	6.0	4.7	5.0	4.3	3.0	4.8
TITANIUM 2LS (PPG-TF-152)	4.0	5.0	6.7	7.0	4.3	4.0	3.7	3.0	4.8
ATF 1612	4.0	4.7	6.0	6.7	4.7	4.7	3.7	2.7	4.7
ATF 1704	4.3	5.0	5.7	6.0	5.0	4.3	4.0	3.0	4.7
BAR FA 121095	3.7	4.7	6.3	7.0	4.3	3.3	4.3	3.0	4.7
CROSSFIRE 4 (IS-TF 310 SEL)	3.0	4.3	6.7	6.7	4.3	4.0	4.0	3.0	4.7
EMBRACE (PST-5EV2)	4.0	5.0	6.0	5.7	4.7	4.0	4.7	2.7	4.7
FESNOVA	4.0	4.7	6.7	6.7	4.3	4.0	4.0	2.3	4.7
FIREBIRD 2	3.7	4.3	7.3	7.3	4.3	3.7	3.7	2.3	4.7
K12-13	3.7	4.0	6.7	6.7	4.0	4.0	4.7	3.0	4.7
MERIDIAN (PST-5GRB)	5.0	5.7	6.0	6.3	4.7	4.0	4.0	2.3	4.7

TABLE 20. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT LOGAN (DROUGHT), UT 1/
2017 DATA

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

NAME	SPRING GREENUP	APR	MAY	QUALITY RATINGS				OCT	MEAN
				JUN	JUL	AUG	SEP		
RAD-TF-92	3.3	4.7	7.0	7.3	4.3	3.3	3.7	2.7	4.7
THOR (PPG-TF-157)	3.3	5.0	6.7	7.0	4.3	3.3	4.3	2.3	4.7
ANNIHILATOR	3.7	4.7	6.3	6.0	4.3	4.3	4.3	2.3	4.6
BLACK TAIL (PPG-TF-150)	3.3	4.7	6.7	6.7	4.0	3.7	3.7	3.0	4.6
FALCON IV	3.7	5.0	5.7	5.7	4.7	4.0	4.0	3.0	4.6
JS 809	4.0	4.7	6.0	6.3	4.7	4.3	4.0	2.0	4.6
JS 916	3.7	4.7	7.3	6.3	4.0	3.7	3.3	2.7	4.6
RHAMBLER 2 SRP (LSD)	4.0	5.3	6.7	6.7	4.0	3.7	3.7	2.0	4.6
SUPERSONIC (PPG-TF-170)	3.7	5.0	6.3	6.3	4.0	3.3	4.0	3.0	4.6
BAR FA 121091	4.0	4.3	6.3	6.0	4.3	4.0	4.0	2.3	4.5
TEMPLE (DZ1)	3.3	4.0	7.0	6.3	4.3	4.0	3.3	2.7	4.5
JS 818	3.3	4.3	6.7	5.7	4.7	4.0	3.3	2.0	4.4
JS 819	4.3	4.7	6.7	6.3	4.0	3.0	3.7	2.7	4.4
PST-5EX2	4.0	5.3	4.3	5.0	4.7	4.3	4.3	3.0	4.4
TURFWAY (IS-TF 282 M2)	3.3	4.0	7.0	7.0	3.7	3.3	3.3	2.3	4.4
BAR FA 121089	4.0	5.0	5.7	5.3	4.0	4.3	3.3	2.3	4.3
MARAUDER	4.0	4.3	5.7	5.7	4.0	4.3	4.0	2.3	4.3
PPG-TF-138	3.3	5.0	6.7	6.0	3.7	3.7	3.3	2.0	4.3
JS 825	3.7	4.3	6.3	5.3	4.0	4.0	3.0	2.7	4.2
PSG-TT4	3.7	4.3	5.0	6.0	3.3	4.0	4.0	2.7	4.2
TECHNIQUE (RZ2)	4.0	4.7	6.3	6.3	3.3	3.3	3.3	2.3	4.2
WARHAWK	3.7	4.7	5.3	5.0	4.7	4.0	3.7	2.3	4.2
AQUADUCT	3.7	4.0	5.3	5.3	4.3	4.0	3.0	2.7	4.1
IS-TF-287	3.3	4.3	6.0	6.3	4.3	2.7	2.7	2.7	4.1
BAR FA 120878	4.0	4.7	4.0	4.7	3.7	3.0	3.0	2.3	3.6
KY-31	4.3	3.7	2.7	2.3	3.3	3.7	2.3	1.3	2.8
LSD VALUE	2.0	2.3	1.2	1.3	2.2	2.2	3.1	1.1	0.9
C.V. (%)	15.3	15.1	10.8	11.1	17.4	21.4	26.0	18.9	9.8

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 RATINGS OF TALL FESCUE CULTIVARS
IN THE 2012 NATIONAL TALL FESCUE TEST AT BLACKSBURG, VA 1/
2017 DATA

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

NAME	QUALITY RATINGS							
	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
F711	8.0	7.3	9.0	6.3	8.7	6.7	8.3	7.8
PPG-TF-169	8.0	7.3	8.7	6.3	8.0	7.3	8.7	7.8
MET 1	8.0	7.0	9.0	6.3	7.7	7.3	8.0	7.6
4TH MILLENNIUM SRP (U43)	7.7	7.0	9.0	6.0	7.7	7.0	8.3	7.5
PARAMOUNT (PPG-TF-137)	7.7	6.7	8.7	5.3	8.3	7.0	8.7	7.5
ATF 1704	8.0	7.3	8.7	6.0	7.0	6.7	8.3	7.4
ROCKWELL (LTP-TWUU)	7.3	6.7	8.0	6.0	8.7	7.0	8.3	7.4
SUPERSONIC (PPG-TF-170)	7.0	6.7	8.7	5.7	8.0	8.0	8.0	7.4
TECHNIQUE (RZ2)	8.0	6.0	8.3	5.7	8.3	7.0	8.7	7.4
AMITY (CCR2)	7.3	6.7	7.3	6.3	8.7	6.0	8.7	7.3
GRANDE 3	7.7	7.0	8.3	5.7	8.3	6.3	8.0	7.3
HEMI	8.0	6.7	8.7	5.7	6.3	7.3	8.3	7.3
RAPTOR III (ZW 44)	7.3	6.7	8.0	6.0	7.7	7.0	8.3	7.3
SALTILLO (PST-5SALT)	7.7	7.3	8.7	5.7	7.3	6.0	8.3	7.3
VALKYRIE LS (PPG-TF-172)	7.7	7.0	8.3	5.7	8.7	6.0	7.7	7.3
W41	7.0	6.3	8.7	6.3	7.7	6.7	8.3	7.3
JS 916	6.7	6.7	8.7	5.7	7.7	6.7	8.3	7.2
MET-3	7.7	6.3	8.7	5.7	7.7	6.0	8.3	7.2
PST-5EX2	7.3	7.0	8.7	6.0	7.0	6.3	8.0	7.2
TRAVERSE 2 SRP (W45)	7.3	6.7	8.7	5.3	7.3	6.7	8.3	7.2
EMBRACE (PST-5EV2)	7.3	6.7	8.7	5.7	6.7	6.7	8.3	7.1
PST-5BRK	6.7	6.3	9.0	6.0	7.7	6.3	8.0	7.1
RAD-TF-89	7.3	6.7	8.7	5.3	7.7	6.0	8.0	7.1
TEMPLE (DZ1)	7.3	6.0	8.0	5.7	7.7	7.0	8.0	7.1
TITANIUM 2LS (PPG-TF-152)	7.3	6.3	8.3	5.7	8.0	6.3	8.0	7.1
BLACK TAIL (PPG-TF-150)	6.7	6.7	8.3	5.3	7.7	5.7	8.3	7.0
CATALYST	6.7	6.7	8.3	5.7	7.3	6.0	8.0	7.0
FIREBIRD 2	7.0	6.3	7.7	5.7	7.7	6.7	8.3	7.0
HOT ROD (BURL TF-136)	6.7	6.0	8.3	5.3	8.0	6.7	8.0	7.0
PPG-TF-115	7.3	6.7	8.3	5.3	7.0	5.3	8.7	7.0
PPG-TF-138	7.3	6.3	8.3	5.7	7.0	6.3	8.0	7.0
PSG-PO1	7.0	6.7	8.7	5.0	7.3	6.3	8.0	7.0
PST-5BP0	7.7	6.3	8.3	5.0	7.7	6.0	8.0	7.0
SCREAMER LS (PPG-TF-148)	7.7	6.7	8.3	5.0	7.0	6.3	8.3	7.0
XTENDER (PPG-TF-139)	7.7	7.3	8.3	5.7	6.3	5.3	8.7	7.0
AVENGER II (PPG-TF-156)	6.7	6.3	8.3	5.7	7.7	5.3	8.3	6.9
BLOODHOUND (MET 6 SEL)	7.0	6.3	7.3	5.3	7.3	6.7	8.0	6.9
DIABLO (IS-TF 330)	6.3	6.3	8.3	6.3	7.0	5.7	8.3	6.9
FAYETTE (IS-TF 291)	7.3	6.3	8.0	5.3	7.3	5.7	8.0	6.9
HOUNDOG8 (IS-TF 307 SEL)	6.7	6.3	8.7	5.7	7.0	5.7	8.0	6.9
IS-TF 311	6.7	6.3	8.7	5.3	7.3	6.0	8.0	6.9
IS-TF-287	7.0	6.7	8.3	5.7	6.3	5.7	8.3	6.9
MAESTRO (T31)	7.7	6.7	7.0	5.0	7.3	6.3	8.3	6.9
PPG-TF-135	6.7	6.3	7.7	5.0	8.0	6.0	8.3	6.9
REBOUNDER (PICK-W43)	6.7	6.7	8.0	5.3	7.3	6.0	8.0	6.9

TABLE 21. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT BLACKSBURG, VA 1/
2017 DATA

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

NAME	QUALITY RATINGS							MEAN
	APR	MAY	JUN	JUL	AUG	SEP	OCT	
ROWDY (SRX-TPC)	7.3	6.7	8.3	5.3	6.7	6.0	8.0	6.9
WICHITA (PPG-TF-151)	7.0	6.7	8.3	5.7	6.7	5.7	8.0	6.9
BIZEM	7.0	6.3	8.3	4.7	6.7	6.3	8.0	6.8
FIREWALL (PSG-WE1)	7.0	6.3	8.0	4.7	7.3	6.3	8.0	6.8
GTO (BURL TF-2)	7.0	6.3	8.3	5.0	7.3	5.7	7.7	6.8
HOVER (BURL TF-69)	6.3	6.0	8.0	5.3	7.7	6.3	8.0	6.8
NIGHTCRAWLER (IS-TF 285)	6.0	6.0	8.3	5.7	7.7	5.3	8.3	6.8
RAD-TF-92	6.3	6.0	8.0	5.3	7.0	6.7	8.3	6.8
REBEL V (ATF 1736)	7.0	6.3	8.3	5.0	6.7	6.3	8.0	6.8
ATF 1754	7.0	6.3	7.3	5.3	6.7	5.7	8.3	6.7
CROSSFIRE 4 (IS-TF 310 SEL)	7.0	5.7	8.0	5.3	7.3	5.7	8.0	6.7
FAITH	7.0	6.3	8.7	5.0	6.3	5.3	8.3	6.7
FALCON V	7.7	6.3	8.0	4.7	6.3	5.7	8.0	6.7
JS 825	6.7	6.3	7.3	5.0	7.0	6.0	8.3	6.7
LEONARDO (LTP-FSD)	6.7	6.3	8.3	5.3	6.7	5.7	8.0	6.7
MERIDIAN (PST-5GRB)	7.0	6.7	6.3	5.0	7.0	6.3	8.7	6.7
PST-5MVD	7.0	6.7	7.3	5.3	7.3	5.0	8.0	6.7
REFLECTION (U45)	6.3	6.0	8.7	5.3	7.0	5.3	8.3	6.7
REGENERATE	6.3	6.3	7.7	5.0	7.0	6.3	8.3	6.7
THOR (PPG-TF-157)	6.0	5.7	8.0	5.3	7.7	5.7	8.3	6.7
TURFWAY (IS-TF 282 M2)	7.0	6.3	7.0	5.7	7.0	5.7	8.0	6.7
FESNOVA	6.7	5.7	8.0	4.7	7.0	6.3	8.0	6.6
IS-TF 276 M2	6.3	6.0	7.7	5.3	6.7	6.0	8.0	6.6
IS-TF 308 SEL	6.7	6.0	8.7	4.3	7.3	5.0	8.0	6.6
K12-05	6.7	6.0	8.0	5.0	6.3	6.0	8.0	6.6
OLYMPUS (RAD-TF-88)	6.3	6.0	7.7	5.3	6.7	5.7	8.3	6.6
AQUADUCT	7.0	6.3	7.7	5.0	6.0	5.7	7.7	6.5
BULLSEYE	6.7	6.3	7.7	5.0	6.0	5.7	8.0	6.5
DYNAMITE LS (PPG-TF-145)	6.0	6.3	8.3	5.3	6.3	5.3	7.7	6.5
INSPIRATION (PST-R5NW)	7.3	6.7	8.0	4.7	5.7	5.3	8.0	6.5
IS-TF 269 SEL	6.7	6.3	7.7	4.7	6.7	5.7	7.7	6.5
MEMPHIS (GO-DFR)	6.3	6.0	7.7	5.3	6.7	5.7	8.0	6.5
MICHELANGELO (LTP-F5DPDR)	7.3	6.7	7.3	4.3	6.7	5.3	8.0	6.5
PSG-TT4	7.0	6.3	8.3	4.7	6.0	5.3	8.0	6.5
RHIZING MOON (IS-TF 305 SEL)	6.3	6.3	7.3	5.0	6.3	6.0	8.3	6.5
SWAGGER (PST-5R05)	6.7	6.0	7.3	5.3	6.3	5.7	8.3	6.5
THUNDERSTRUCK (TD1)	6.3	6.0	7.7	5.3	6.0	5.3	8.7	6.5
CAESAR (TY 10)	6.7	5.7	6.7	5.0	7.0	6.0	8.0	6.4
FIRECRACKER SLS (PPG-TF-105)	6.3	6.3	8.0	4.7	7.0	5.3	8.0	6.4
FOXHOUND (IS-TF 284 M2)	6.3	6.3	7.3	4.7	6.3	5.7	8.0	6.4
KINGDOM (DB1)	6.3	5.7	8.0	5.3	6.7	5.3	7.7	6.4
BAR FA 120878	7.0	6.0	7.0	4.7	5.3	6.3	7.7	6.3
BAR FA 121089	7.3	6.3	8.3	5.0	5.0	4.7	7.7	6.3
K12-MCD	6.3	6.3	7.3	4.7	6.0	5.7	8.0	6.3
RAD-TF-83	6.3	5.7	7.3	5.3	6.7	5.0	7.7	6.3

TABLE 21. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT BLACKSBURG, VA 1/
2017 DATA

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

NAME	QUALITY RATINGS							MEAN
	APR	MAY	JUN	JUL	AUG	SEP	OCT	
RHAMBLER 2 SRP (LSD)	6.0	6.3	8.0	5.0	6.3	5.0	7.7	6.3
TERRANO	6.0	6.3	7.3	5.0	6.7	5.3	7.3	6.3
204 RES. BLK4	6.3	6.0	5.7	4.7	6.7	6.0	8.0	6.2
ATF 1612	6.3	6.3	7.0	4.0	7.0	5.0	8.0	6.2
JS 818	6.0	5.7	7.3	4.7	6.3	5.7	8.0	6.2
PST-5DZP	6.7	6.0	7.0	4.7	6.3	5.0	7.7	6.2
RAIN DANCE (PST-5SDT)	7.0	6.0	7.7	5.0	6.0	4.7	7.3	6.2
BAR FA 121091	6.3	6.0	7.3	4.3	5.7	5.3	8.0	6.1
JS 819	5.3	5.7	7.7	4.7	6.0	6.3	7.3	6.1
K12-13	5.7	6.0	6.7	4.7	6.7	5.0	8.3	6.1
MARAUDER	6.3	5.7	5.7	4.7	6.0	6.0	8.7	6.1
ARES (PPG-TF-142)	5.7	5.3	7.0	5.0	5.7	5.3	7.7	6.0
IS-TF 272	6.0	5.7	7.3	4.7	6.7	4.7	7.3	6.0
JS 809	6.0	5.7	6.7	4.7	5.7	5.7	7.7	6.0
TEMPTATION (OR-21)	6.0	6.0	7.0	4.7	5.7	5.3	7.7	6.0
ANNIHILATOR	5.3	5.7	5.7	5.0	6.3	5.3	8.0	5.9
B23	5.3	6.0	7.7	4.0	5.3	4.7	8.3	5.9
BAR FA 121095	6.0	6.0	6.7	4.7	5.3	4.7	7.7	5.9
COMP. RES. SST	6.0	5.7	6.0	3.7	6.3	5.3	8.0	5.9
UNITUS (IS-TF 289)	6.3	5.7	7.0	4.3	5.3	5.0	7.7	5.9
PSG-GSD	6.0	5.7	6.3	4.0	5.3	5.0	8.0	5.8
FALCON IV	6.7	5.7	6.3	4.0	5.3	4.3	7.3	5.7
FRONTLINE (EXP TF-09)	5.3	5.7	6.0	4.7	5.7	4.7	7.7	5.7
PSG-8BP2	6.0	6.3	7.0	3.7	5.0	4.7	7.0	5.7
KY-31	6.3	5.7	6.0	4.3	5.0	4.7	7.0	5.6
WARHAWK	6.0	5.7	6.0	4.0	4.7	4.7	7.7	5.5
LSD VALUE	1.7	1.4	1.6	2.0	1.9	2.3	2.5	0.7
C.V. (%)	11.8	9.5	11.3	15.8	14.5	16.6	7.3	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.