

TABLE 1.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT RIVERSIDE, CA 1/  
2016 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	QUALITY RATINGS												MEAN
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
4TH MILLENNIUM SRP (U43)	7.7	6.0	7.3	6.7	6.7	7.0	6.7	6.7	7.0	7.0	7.3	7.3	7.3	7.7	7.7	7.1
SCREAMER LS (PPG-TF-148)	7.7	6.3	7.0	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
MAESTRO (T31)	7.7	6.3	6.7	7.7	7.0	7.0	6.7	6.7	6.3	7.0	6.3	7.0	7.0	7.0	6.7	6.9
PSG-PO1	7.7	6.0	6.7	6.7	7.3	7.0	6.7	7.0	7.0	7.0	6.7	6.3	7.0	7.0	7.0	6.9
TECHNIQUE (RZ2)	8.0	6.0	7.0	6.7	6.7	7.0	6.7	6.7	7.0	7.0	6.7	7.3	7.0	7.0	7.0	6.9
BLACK TAIL (PPG-TF-150)	7.3	6.3	7.0	6.7	6.7	6.7	6.3	7.0	6.3	6.7	6.7	7.0	7.0	7.0	7.0	6.8
IS-TF 311	7.7	6.3	7.3	7.0	7.0	7.0	6.7	7.0	6.3	7.0	6.3	7.0	6.7	7.0	7.0	6.8
REGENERATE	8.0	6.3	7.0	6.7	6.7	6.7	6.7	7.0	7.0	6.7	6.7	6.7	6.7	7.0	7.0	6.8
MET 1	7.7	6.0	6.7	6.7	7.0	7.0	6.3	6.7	6.3	6.3	6.7	7.0	7.0	6.7	6.3	6.7
TEMPLE (DZ1)	8.0	6.3	7.0	7.0	6.0	6.7	6.7	6.3	6.3	6.3	6.7	6.7	7.0	7.0	7.3	6.7
AMITY (CCR2)	7.3	6.0	7.0	6.7	6.7	6.7	6.7	6.3	6.3	7.0	6.3	7.0	6.3	6.7	7.0	6.6
FALCON V	7.7	5.7	6.7	7.0	7.0	6.3	6.0	6.7	6.7	6.3	6.7	6.7	6.7	6.7	7.0	6.6
FIRECRACKER SLS (PPG-TF-105)	8.0	5.7	7.0	6.7	6.7	6.7	6.7	6.3	6.7	6.7	6.3	6.0	6.7	6.7	6.7	6.6
HOT ROD (BURL TF-136)	8.0	5.3	7.3	6.7	6.3	6.7	6.3	7.0	7.0	6.7	6.7	6.0	6.7	6.3	6.3	6.6
HOVER (BURL TF-69)	7.3	5.7	6.3	6.3	6.3	6.3	6.0	6.7	6.3	6.7	6.7	7.0	6.7	7.0	7.0	6.6
OLYMPUS (RAD-TF-88)	7.7	6.3	7.0	6.3	6.7	7.0	6.3	6.7	6.3	7.0	7.0	6.7	6.7	6.3	6.0	6.6
ROCKWELL (LTP-TWUU)	7.7	5.3	7.0	6.7	7.3	7.0	6.7	6.3	6.7	6.7	6.3	6.3	6.3	7.0	6.3	6.6
SUPERSONIC (PPG-TF-170)	7.7	6.0	6.0	6.7	6.7	6.7	6.7	6.3	6.7	6.3	6.7	6.3	6.7	7.0	6.7	6.6
TITANIUM 2LS (PPG-TF-152)	8.0	6.0	6.3	7.0	7.0	6.7	6.3	6.3	6.3	6.3	6.7	6.7	6.3	6.3	6.7	6.6
204 RES. BLK4	7.0	6.7	7.0	6.7	6.0	6.0	6.0	6.3	6.7	6.3	6.7	7.0	6.7	6.7	6.7	6.5
ATF 1612	7.3	5.7	6.0	6.3	6.3	6.3	6.0	6.3	6.3	6.3	6.7	6.7	7.0	6.7	6.7	6.5
FIREWALL (PSG-WE1)	8.0	6.0	7.7	6.7	6.7	6.3	6.3	6.3	6.3	6.3	6.7	6.7	6.7	6.3	6.3	6.5
GRANDE 3	7.3	5.7	6.7	6.7	6.7	6.0	6.3	6.3	6.3	6.3	6.7	6.7	6.7	6.7	7.0	6.5
GTO (BURL TF-2)	8.0	6.0	6.7	6.7	6.3	6.7	6.3	6.0	6.3	6.7	6.0	7.0	6.7	6.7	6.7	6.5
MET-3	7.7	6.0	7.0	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
ROWDY (SRX-TPC)	8.0	6.0	7.0	6.3	7.0	6.7	6.3	6.0	6.7	6.3	6.3	6.3	6.7	6.7	6.7	6.5
TERRANO	7.3	6.0	6.3	6.3	6.3	6.7	6.3	6.0	6.3	6.3	6.7	6.7	6.7	6.7	6.7	6.5
W41	7.7	6.0	6.3	6.3	6.0	6.3	6.3	6.3	6.0	6.7	6.7	6.3	7.0	7.0	7.0	6.5
ANNIHILATOR	8.0	5.3	6.3	6.7	6.0	6.3	6.3	6.3	6.0	6.3	6.3	6.3	6.3	6.7	6.7	6.4
B23	7.7	6.0	5.7	6.3	6.7	6.3	6.7	6.0	6.7	6.3	6.3	6.3	6.7	6.3	6.3	6.4
DIABLO (IS-TF 330)	8.0	5.7	7.0	6.3	6.7	6.3	7.0	6.0	6.7	6.0	6.3	6.3	6.3	6.3	6.3	6.4
DYNAMITE LS (PPG-TF-145)	7.7	5.7	6.3	6.3	6.7	6.7	6.3	6.3	6.3	6.0	6.7	6.0	6.7	6.0	6.3	6.4
EMBRACE (PST-5EV2)	7.7	5.0	6.7	6.7	6.7	6.3	6.7	6.3	6.0	6.3	6.0	6.7	6.7	6.7	6.3	6.4
F711	7.7	6.0	7.0	6.7	6.7	6.3	6.7	6.0	6.7	6.0	6.7	6.3	6.3	6.3	6.3	6.4
FALCON IV	8.0	4.7	6.3	6.3	6.7	6.3	6.3	6.3	6.0	6.3	6.0	6.7	6.3	7.0	7.0	6.4
FAYETTE (IS-TF 291)	8.0	6.0	6.0	6.7	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.3	6.7	7.3	7.0	6.4
JS 819	7.7	5.7	5.7	6.3	6.3	6.3	6.3	6.3	6.0	6.0	6.3	6.0	6.7	7.0	7.0	6.4
LEONARDO (LTP-FSD)	7.7	5.0	6.7	6.7	7.0	6.3	6.3	6.3	6.7	6.3	6.0	6.3	6.3	6.7	6.3	6.4
PPG-TF-135	7.7	6.0	7.0	6.7	6.7	6.3	6.3	6.0	6.0	6.0	6.0	6.7	6.3	6.7	6.7	6.4
PPG-TF-169	7.7	5.3	6.3	6.7	6.3	6.0	6.0	6.0	6.0	6.0	6.0	7.0	6.7	7.0	7.0	6.4
RAD-TF-89	7.7	6.0	6.7	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
RAD-TF-92	7.7	5.0	6.3	6.3	6.7	6.7	6.0	6.3	5.7	6.7	6.0	6.7	6.0	6.7	6.7	6.4
RAPTOR III (ZW 44)	8.0	6.0	6.0	6.3	7.0	6.7	6.7	6.0	6.0	6.0	6.3	6.3	6.7	6.3	6.3	6.4
REBOUNDER (PICK-W43)	7.7	5.7	6.3	6.3	6.3	6.3	5.7	6.7	6.3	6.3	6.7	7.0	7.0	6.3	6.3	6.4
REFLECTION (U45)	7.3	6.0	7.7	6.3	6.3	6.3	6.3	6.7	6.7	6.3	6.3	6.3	6.3	6.3	6.0	6.4

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NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	QUALITY RATINGS												MEAN
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
THUNDERSTRUCK (TD1)	8.0	6.0	6.7	6.0	6.3	6.7	6.3	6.0	6.3	6.7	6.3	6.7	6.3	6.3	6.3	6.4
WICHITA (PPG-TF-151)	7.3	6.0	6.3	6.3	6.0	6.7	6.7	6.3	6.3	6.3	6.0	6.3	6.7	6.7	6.7	6.4
ARES (PPG-TF-142)	8.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.3	6.7	6.7	6.7	6.3
ATF 1704	7.0	5.7	6.7	6.3	6.7	6.0	6.3	6.7	6.3	6.3	6.7	6.0	6.0	6.3	6.3	6.3
BIZEM	7.7	5.7	7.0	6.3	6.3	6.3	6.0	6.3	6.0	6.0	6.3	6.7	6.7	6.3	6.3	6.3
CATALYST	8.0	5.3	6.7	6.3	6.7	6.3	6.3	6.0	6.3	6.0	6.7	6.0	6.3	6.3	6.3	6.3
FAITH	7.3	6.0	6.3	6.7	6.7	6.7	6.3	6.3	6.0	5.7	6.3	6.3	6.3	6.3	6.3	6.3
HEMI	8.0	5.7	6.7	6.3	6.7	6.7	6.3	6.3	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.3
JS 818	8.0	5.0	6.3	6.3	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.7	6.3	7.0	7.0	6.3
JS 916	8.0	5.0	6.3	6.0	6.3	6.7	6.3	6.3	6.3	6.0	6.7	6.0	6.3	6.0	6.3	6.3
MARAUDER	7.7	5.7	6.0	6.0	6.0	6.7	6.3	6.0	6.7	6.7	6.0	6.3	6.7	6.3	6.3	6.3
TURFWAY (IS-TF 282 M2)	8.0	5.3	6.0	6.3	6.3	6.0	6.7	6.3	6.3	6.0	6.0	6.7	6.0	6.7	6.7	6.3
UNITUS (IS-TF 289)	8.0	4.3	6.0	6.3	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.3	6.3	6.7	6.7	6.3
WARHAWK	7.7	5.0	5.3	6.7	6.0	6.7	6.3	6.3	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.3
XTENDER (PPG-TF-139)	7.3	6.0	6.3	6.7	6.0	6.7	6.0	6.3	6.3	6.0	6.3	6.0	6.7	6.0	6.7	6.3
ATF 1736	7.3	5.0	6.3	6.3	6.3	6.0	6.3	6.0	6.0	6.0	6.0	5.7	6.7	6.3	6.7	6.2
BLOODHOUND (MET 6 SEL)	7.3	5.7	6.3	6.3	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.7	6.7	6.0	6.7	6.2
CAESAR (TY 10)	7.7	5.3	6.0	6.0	6.3	6.0	6.3	6.0	6.3	6.3	6.0	6.0	6.3	6.3	6.3	6.2
CROSSFIRE 4 (IS-TF 310 SEL)	8.0	5.7	6.3	6.3	6.7	6.3	6.0	6.3	6.0	6.0	6.3	6.3	5.7	6.0	6.3	6.2
FESNOVA	8.0	6.0	6.7	6.7	6.3	6.3	6.3	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.0	6.2
FIREBIRD 2	8.0	5.7	6.7	6.0	6.3	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.0	5.7	6.2
IS-TF 276 M2	7.7	5.7	6.3	6.3	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.7	6.7	6.3	6.3	6.2
K12-05	8.0	6.0	6.7	6.0	6.0	6.3	6.0	6.0	6.3	6.3	6.0	6.3	6.3	6.3	6.3	6.2
K12-MCD	8.0	5.3	7.0	6.3	6.3	6.3	6.0	6.3	6.3	6.0	6.3	5.7	6.3	6.3	6.3	6.2
KINGDOM (DB1)	8.0	5.3	6.7	6.0	6.3	6.3	6.3	6.3	6.7	6.0	6.3	6.3	6.0	6.0	6.0	6.2
PARAMOUNT (PPG-TF-137)	7.7	6.0	6.7	6.0	6.3	6.0	5.7	6.3	6.7	6.0	6.3	6.0	6.3	6.0	6.3	6.2
PSG-GSD	8.0	5.7	6.3	6.3	6.3	6.0	6.7	6.0	5.7	6.3	6.0	6.3	6.0	6.3	6.3	6.2
PST-5DZP	7.7	5.7	6.7	6.3	6.0	6.0	6.7	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.2
PST-5MVD	8.0	5.3	5.7	6.3	6.0	6.3	6.3	6.0	6.3	6.0	6.7	6.0	6.0	6.0	6.0	6.2
RHAMBLER 2 SRP (LSD)	7.3	6.0	6.3	6.3	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.0	6.3	6.3	6.2
THOR (PPG-TF-157)	7.7	6.0	6.3	6.0	6.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.0	6.3	6.2
AQUADUCT	8.0	5.7	5.7	6.0	6.3	5.7	6.0	5.7	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.1
ATF 1754	7.7	5.7	6.3	6.0	6.7	6.0	6.3	6.3	6.3	6.0	6.0	5.7	6.0	6.0	6.0	6.1
AVENGER II (PPG-TF-156)	7.3	6.3	6.0	5.7	6.7	6.0	5.7	6.0	6.3	6.0	6.3	6.0	6.3	6.0	5.7	6.1
BAR FA 121095	7.7	5.0	7.0	6.3	6.3	6.3	6.0	5.7	6.0	5.7	6.0	6.3	6.0	6.0	6.3	6.1
BULLSEYE	7.3	5.7	6.3	5.7	6.7	6.3	6.0	6.0	6.7	6.0	6.0	6.0	5.7	6.0	5.7	6.1
HOUND08 (IS-TF 307 SEL)	7.7	6.0	6.7	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.0	6.0	6.1
IS-TF 269 SEL	7.7	5.7	6.3	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.1
IS-TF 308 SEL	8.0	5.3	7.0	6.0	6.3	6.0	6.7	6.0	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.1
IS-TF-287	8.0	5.3	6.0	6.0	6.7	5.7	6.3	5.7	6.0	5.7	6.3	6.0	6.3	6.3	6.3	6.1
MICHELANGELO (LTP-F5DPDR)	7.7	5.3	6.3	6.0	6.0	5.7	5.7	6.3	6.3	6.0	6.0	6.3	6.3	6.3	6.3	6.1
RHIZING MOON (IS-TF 305 SEL)	8.0	6.0	6.0	6.3	6.0	6.0	5.7	6.0	5.7	6.0	6.0	6.3	6.0	6.3	6.3	6.1
TRAVERSE 2 SRP (W45)	7.3	5.7	6.3	6.3	6.7	6.3	6.0	5.7	6.3	6.3	6.0	6.0	6.0	6.0	6.0	6.1
VALKYRIE LS (PPG-TF-172)	7.7	6.0	6.7	6.0	6.3	6.0	6.0	6.0	6.0	5.7	6.3	6.0	6.3	6.3	6.3	6.1
INSPIRATION (PST-R5NW)	8.0	4.7	6.3	6.0	6.3	6.0	6.0	6.0	5.7	6.0	6.0	5.7	6.0	6.0	6.0	6.0

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NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	QUALITY RATINGS												MEAN	
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
JS 809	8.0	5.7	6.3	6.0	6.3	6.0	6.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
PPG-TF-115	7.7	5.3	7.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.3	5.7	6.0	6.0	6.0
PPG-TF-138	8.0	5.3	6.3	6.0	6.3	6.0	6.0	5.7	5.7	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0
PSG-8BP2	8.0	5.0	6.3	6.3	6.3	6.0	6.0	6.0	5.3	6.0	5.7	6.0	6.0	6.0	6.3	6.3	6.0
PSG-TT4	8.0	5.0	5.0	6.0	6.3	6.3	6.0	5.7	5.7	5.7	5.7	6.0	6.0	6.3	6.3	6.3	6.0
PST-5BPO	7.7	5.0	6.0	6.3	6.3	6.0	6.0	6.0	5.7	6.0	5.7	6.0	6.0	5.7	6.0	6.0	6.0
PST-5EX2	7.7	4.3	6.0	6.0	6.0	5.7	5.7	6.0	6.3	6.0	6.3	6.0	6.0	6.0	6.3	6.3	6.0
BAR FA 121091	8.0	5.0	6.0	6.0	6.3	6.0	6.0	5.7	6.0	5.7	6.0	6.0	5.7	6.0	6.0	6.0	5.9
IS-TF 272	8.0	5.7	6.3	6.0	6.3	6.0	5.7	5.3	6.0	5.7	5.7	6.0	6.3	6.0	6.0	6.0	5.9
K12-13	8.0	6.3	6.3	6.0	6.0	6.0	5.7	6.0	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9
MEMPHIS (GO-DFR)	8.0	6.0	6.0	6.0	5.7	6.0	5.7	6.3	6.3	6.0	5.7	6.0	5.7	5.7	5.7	5.7	5.9
MERIDIAN (PST-5GRB)	7.3	5.3	6.7	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7	5.9
NIGHTCRAWLER (IS-TF 285)	8.0	4.7	6.3	6.0	6.0	5.7	6.3	6.0	5.7	6.0	5.7	6.0	6.0	6.0	6.0	6.0	5.9
RAD-TF-83	8.0	4.7	6.0	6.0	6.0	5.7	6.0	5.7	5.7	5.7	5.7	6.3	6.0	6.0	6.0	5.7	5.9
BAR FA 121089	8.0	4.7	5.7	5.7	6.0	5.7	6.0	5.7	6.0	5.7	5.7	5.3	6.0	5.7	5.7	5.7	5.8
FRONTLINE (EXP TF-09)	8.0	5.7	5.7	6.0	6.0	5.7	6.0	6.0	5.7	5.7	5.7	5.7	5.7	6.0	5.7	5.7	5.8
PST-5BRK	7.7	5.0	5.3	5.7	6.0	6.0	6.3	5.3	5.7	5.3	5.3	6.0	5.7	6.0	5.7	5.7	5.8
SALTILLO (PST-5SALT)	7.0	4.7	6.3	5.7	6.0	5.7	6.0	6.0	5.7	6.0	6.0	5.7	6.0	5.7	5.7	5.3	5.8
SWAGGER (PST-5R05)	7.7	4.7	5.7	5.7	5.7	5.7	6.0	5.7	5.7	5.7	6.0	5.7	6.0	5.7	5.7	5.7	5.8
COMP. RES. SST	7.3	6.7	6.7	5.7	5.7	6.0	5.3	5.3	6.0	5.7	6.0	5.3	6.0	5.7	5.3	5.3	5.7
FOXHOUND (IS-TF 284 M2)	7.7	5.3	6.7	5.7	5.7	5.3	5.7	5.3	5.3	5.7	5.3	6.0	6.0	6.0	6.0	6.0	5.7
RAIN DANCE (PST-5SDT)	7.3	4.7	6.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
TEMPTATION (OR-21)	8.0	5.0	6.0	5.7	6.0	6.0	6.0	5.3	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.7	5.7
JS 825	7.7	4.0	4.7	5.7	6.0	6.0	6.0	5.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.5
BAR FA 120878	8.0	3.7	5.3	5.0	5.3	5.0	5.3	5.0	4.7	5.0	4.7	5.0	4.7	4.7	4.7	4.7	4.9
KY-31	5.7	3.0	4.3	3.7	4.3	4.0	5.0	4.0	3.3	3.3	3.7	4.3	4.3	4.7	4.0	4.0	4.1
LSD VALUE	0.9	0.8	1.1	1.0	1.7	1.0	1.6	1.0	1.1	1.0	0.9	1.0	1.1	1.3	1.4	1.4	0.6
C.V. (%)	5.4	8.7	9.5	8.3	9.8	8.3	8.5	8.4	9.3	8.4	8.1	8.6	8.8	9.7	10.5	10.5	5.9

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

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

TABLE 2.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT STORRS, CT 1/  
2016 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	
REBOUNDER (PICK-W43)	6.3	6.3	9.0	7.0	6.7	6.7	6.7	6.3	7.3	7.7	7.3	7.0
CROSSFIRE 4 (IS-TF 310 SEL)	7.3	6.7	8.7	6.3	7.0	7.0	7.0	6.3	5.7	7.7	7.0	6.8
RAPTOR III (ZW 44)	6.3	5.3	8.0	7.7	6.7	7.0	6.7	5.7	7.0	7.0	7.0	6.8
REFLECTION (U45)	7.0	6.0	9.0	5.7	7.0	7.0	7.0	6.7	6.7	7.3	7.3	6.8
TITANIUM 2LS (PPG-TF-152)	7.0	6.0	8.3	6.7	7.0	6.7	7.0	6.3	6.7	7.3	7.0	6.8
F711	6.0	6.0	8.7	6.0	6.3	6.7	6.7	6.0	6.7	7.7	7.3	6.7
FIRECRACKER SLS (PPG-TF-105)	7.3	5.7	9.0	6.3	6.7	7.3	7.3	6.0	7.0	6.0	7.0	6.7
PPG-TF-135	5.3	6.0	9.0	6.7	7.0	7.3	6.3	5.7	6.3	7.0	7.0	6.7
THOR (PPG-TF-157)	7.3	6.3	7.3	6.3	7.0	7.0	7.0	5.3	6.0	7.7	7.3	6.7
W41	6.7	6.0	8.0	6.7	7.0	6.7	6.0	6.0	6.3	8.0	7.0	6.7
REGENERATE	7.0	6.0	8.7	6.3	7.0	6.3	6.0	5.7	6.3	7.7	7.3	6.6
TECHNIQUE (RZ2)	6.0	5.7	9.0	6.0	6.7	7.0	6.3	6.7	6.7	7.0	6.7	6.6
4TH MILLENNIUM SRP (U43)	6.0	5.7	9.0	6.3	7.0	6.0	6.3	6.0	6.7	7.3	6.7	6.5
AMITY (CCR2)	6.0	6.7	9.0	6.3	6.7	5.7	6.0	6.3	6.7	7.0	7.0	6.5
AVENGER II (PPG-TF-156)	6.0	6.0	9.0	6.0	7.0	6.3	6.7	6.3	6.3	7.0	6.7	6.5
BLACK TAIL (PPG-TF-150)	6.3	5.7	8.0	6.3	6.7	6.3	6.0	5.7	7.0	6.7	7.3	6.5
BULLSEYE	6.3	5.7	8.0	7.0	7.3	6.3	5.7	5.7	6.3	7.0	6.3	6.5
IS-TF 311	6.0	6.3	8.7	6.3	6.7	6.3	6.0	5.3	7.7	7.3	6.3	6.5
PPG-TF-115	7.0	5.0	8.3	6.3	6.7	6.3	7.0	6.0	5.7	7.0	6.7	6.5
ROCKWELL (LTP-TWUU)	7.0	5.0	9.0	7.0	6.7	6.0	6.3	6.0	6.3	7.3	6.7	6.5
FAYETTE (IS-TF 291)	7.0	6.0	8.7	6.7	6.7	5.7	6.7	5.7	6.0	7.0	6.7	6.4
GTO (BURL TF-2)	6.3	5.3	9.0	6.7	6.3	6.0	6.0	6.0	6.3	7.0	7.0	6.4
HEMI	6.0	5.7	8.7	6.7	6.7	6.0	6.0	5.7	7.0	7.3	6.0	6.4
K12-MCD	7.0	6.0	8.7	6.3	6.0	6.0	7.0	5.3	5.7	7.7	7.0	6.4
MAESTRO (T31)	6.3	5.3	9.0	6.3	6.3	6.0	6.3	5.7	6.3	7.7	6.7	6.4
PPG-TF-138	6.0	5.3	8.7	7.0	6.3	6.0	6.3	5.3	6.7	7.0	6.7	6.4
PSG-P01	5.7	6.3	8.3	6.3	6.0	6.0	6.3	5.7	6.7	7.3	6.7	6.4
SUPERSONIC (PPG-TF-170)	6.7	5.3	9.0	6.7	6.0	5.7	6.0	6.0	6.3	7.3	7.0	6.4
VALKYRIE LS (PPG-TF-172)	7.0	5.7	9.0	6.0	7.0	6.3	6.0	6.0	6.3	6.7	7.0	6.4
BIZEM	6.3	5.7	8.3	6.3	6.3	6.0	6.3	6.3	5.7	6.7	7.0	6.3
BLOODHOUND (MET 6 SEL)	5.7	5.3	9.0	6.0	6.3	6.0	5.7	6.3	6.0	7.0	6.7	6.3
CATALYST	5.7	5.7	9.0	6.0	6.3	6.0	6.7	6.0	6.7	6.0	6.3	6.3
DIABLO (IS-TF 330)	7.0	6.0	8.7	5.7	7.0	6.0	5.7	6.0	6.3	7.0	6.3	6.3
FAITH	5.7	5.3	8.3	6.3	6.7	6.0	5.7	5.3	7.0	6.7	6.7	6.3
IS-TF 308 SEL	6.7	6.0	9.0	5.7	6.3	6.3	6.3	6.0	6.3	7.0	6.3	6.3
LEONARDO (LTP-FSD)	6.3	4.7	8.7	6.0	6.0	6.3	6.0	6.0	6.0	7.0	6.7	6.3
MET 1	5.3	6.0	8.0	6.3	6.0	5.7	6.3	5.3	6.7	7.3	7.0	6.3
PST-5BRK	6.0	5.7	9.0	6.0	6.3	6.0	6.0	6.3	6.3	7.0	6.7	6.3
RHAMBLER 2 SRP (LSD)	6.3	5.3	9.0	5.7	7.0	6.3	6.7	6.3	6.3	6.3	6.0	6.3
RHIZING MOON (IS-TF 305 SEL)	7.3	5.7	7.3	6.0	6.7	6.3	7.0	5.7	5.7	7.0	6.3	6.3
ROWDY (SRX-TPC)	7.0	6.3	9.0	6.0	5.3	5.7	6.3	6.0	6.7	7.3	6.7	6.3
TRAVERSE 2 SRP (W45)	7.3	6.0	8.7	6.3	6.3	6.0	6.7	5.7	5.7	7.0	6.3	6.3
WICHITA (PPG-TF-151)	7.0	5.3	8.7	6.0	6.3	6.0	6.0	5.7	6.3	7.3	6.7	6.3
B23	6.0	5.3	9.0	6.0	6.3	6.0	5.7	6.0	6.7	6.3	6.3	6.2
FALCON IV	6.0	4.3	7.0	6.7	6.3	6.0	6.0	5.0	6.7	6.3	6.3	6.2

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/  
2016 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		
FOXHOUND (IS-TF 284 M2)	8.0	6.0	8.7	5.3	6.0	6.0	7.3	5.7	6.3	6.3	6.3	6.2	
GRANDE 3	6.3	5.7	9.0	6.7	5.7	5.7	5.7	5.7	6.0	7.3	6.7	6.2	
MICHELANGELO (LTP-F5DPDR)	6.3	5.0	7.7	6.3	6.0	6.0	6.0	5.0	6.3	7.0	7.0	6.2	
SALTILLO (PST-5SALT)	5.7	5.3	8.7	6.3	6.0	5.7	6.0	6.0	6.3	7.0	6.0	6.2	
FALCON V	5.3	6.0	9.0	6.3	6.0	5.7	5.7	6.0	6.3	6.3	6.7	6.1	
FESNOVA	6.0	5.3	8.3	6.7	6.3	6.0	6.3	5.3	5.7	6.7	6.0	6.1	
FIREWALL (PSG-WE1)	5.7	6.0	8.3	5.7	5.7	5.7	6.0	5.7	6.3	7.0	6.7	6.1	
HOUNDOG8 (IS-TF 307 SEL)	7.3	6.0	7.3	5.3	6.7	6.3	6.3	5.3	5.7	6.3	6.7	6.1	
HOVER (BURL TF-69)	7.0	6.3	7.0	6.7	6.7	6.0	5.7	4.7	5.7	7.0	6.7	6.1	
IS-TF-287	6.7	5.7	7.7	6.0	6.7	6.0	5.3	5.3	6.0	7.3	6.3	6.1	
MET-3	5.7	6.3	8.7	5.7	5.7	5.3	6.0	5.7	6.3	7.0	7.0	6.1	
OLYMPUS (RAD-TF-88)	6.7	6.3	6.3	7.0	6.7	6.3	5.0	5.0	5.3	6.7	6.7	6.1	
PARAMOUNT (PPG-TF-137)	6.3	6.0	8.7	5.3	6.0	6.0	5.3	5.7	6.7	7.0	6.7	6.1	
PST-5MVD	6.0	4.7	8.7	6.3	6.0	5.7	6.3	5.7	6.0	6.7	6.3	6.1	
SCREAMER LS (PPG-TF-148)	5.0	5.7	8.3	6.7	6.3	6.0	6.0	5.7	6.0	6.3	5.7	6.1	
ATF 1704	5.0	5.3	8.3	5.7	6.0	5.3	5.7	5.3	6.3	7.3	6.3	6.0	
DYNAMITE LS (PPG-TF-145)	7.3	4.7	8.0	5.3	6.7	6.0	7.3	5.7	5.3	6.0	6.0	6.0	
EMBRACE (PST-5EV2)	5.7	5.0	8.0	5.7	6.0	5.3	6.0	5.0	6.7	7.0	6.7	6.0	
FIREBIRD 2	6.3	5.7	8.0	6.0	6.3	6.0	6.0	5.7	6.0	6.0	6.3	6.0	
IS-TF 269 SEL	7.0	5.3	8.0	5.3	6.3	6.3	5.7	5.7	6.3	6.0	6.3	6.0	
NIGHTCRAWLER (IS-TF 285)	6.7	5.7	8.0	6.0	7.0	6.0	6.3	5.3	6.0	6.0	5.7	6.0	
PPG-TF-169	5.3	4.7	6.7	6.7	6.3	5.7	5.3	5.0	5.7	7.0	6.3	6.0	
PSG-GSD	6.0	4.3	8.7	6.7	5.7	6.0	6.0	6.0	6.0	6.3	5.7	6.0	
PSG-TT4	5.7	5.0	8.0	7.0	6.0	5.3	6.0	5.3	5.3	6.3	6.7	6.0	
PST-5BP0	6.3	5.0	8.7	5.7	6.0	5.3	6.0	5.3	6.7	6.7	6.3	6.0	
PST-5EX2	5.0	4.7	8.7	6.7	5.3	5.0	6.0	5.7	5.7	7.0	6.3	6.0	
TURFWAY (IS-TF 282 M2)	7.0	5.7	7.0	6.0	6.3	6.3	6.3	5.3	5.3	6.3	6.3	6.0	
UNITUS (IS-TF 289)	7.7	5.0	9.0	5.0	6.7	6.7	5.7	5.3	5.7	6.3	6.3	6.0	
ARES (PPG-TF-142)	7.3	5.7	7.0	6.0	6.7	6.3	5.7	5.0	5.0	6.3	6.3	5.9	
HOT ROD (BURL TF-136)	6.0	6.0	8.0	5.7	5.7	5.3	5.7	4.7	6.0	7.0	7.3	5.9	
IS-TF 276 M2	7.3	4.7	5.3	5.3	7.3	6.0	5.3	4.7	5.7	6.3	6.3	5.9	
KINGDOM (DB1)	7.7	5.7	4.7	5.7	7.3	6.0	5.0	4.3	5.7	6.7	6.3	5.9	
PST-5DZP	6.7	5.3	6.0	5.7	6.7	6.0	6.0	5.0	5.7	6.0	6.0	5.9	
ATF 1736	5.3	5.0	8.3	6.0	5.3	5.3	4.7	5.3	6.0	7.0	6.3	5.8	
ATF 1754	5.0	5.3	9.0	5.7	6.0	5.3	5.0	6.3	6.3	6.3	5.7	5.8	
JS 818	8.0	5.3	6.0	5.3	7.0	6.0	5.7	5.0	5.7	6.0	6.0	5.8	
PSG-8BP2	6.3	4.7	8.7	5.7	6.0	5.7	6.0	5.0	6.0	6.3	5.7	5.8	
RAD-TF-83	6.7	5.7	8.0	5.7	6.3	6.3	5.0	5.3	5.0	6.7	6.0	5.8	
TEMPLE (DZ1)	6.7	6.0	8.3	5.7	6.0	5.7	6.0	5.3	5.7	5.3	6.7	5.8	
THUNDERSTRUCK (TD1)	7.3	6.3	5.0	6.3	6.3	5.7	5.3	5.0	5.3	6.0	6.7	5.8	
ATF 1612	6.0	5.3	7.3	5.7	5.7	5.3	6.0	4.7	5.3	6.7	6.3	5.7	
JS 819	6.7	5.7	6.3	5.3	6.7	5.7	5.7	5.3	5.0	5.7	6.3	5.7	
RAD-TF-89	7.0	5.0	7.7	5.7	6.0	5.3	5.3	5.0	5.7	5.7	6.7	5.7	
SWAGGER (PST-5R05)	6.3	5.0	7.3	5.3	5.7	5.3	6.0	5.3	6.0	5.7	6.3	5.7	
TERRANO	6.7	4.7	8.7	5.7	5.3	5.3	6.0	5.3	5.3	6.0	6.3	5.7	

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/  
2016 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		
XTENDER (PPG-TF-139)	6.0	5.7	7.0	5.7	6.7	5.7	5.7	4.7	5.3	5.7	6.0	5.7	
ANNIHILATOR	5.7	5.7	6.3	6.3	5.7	5.3	4.7	4.3	4.7	7.0	6.7	5.6	
IS-TF 272	8.0	6.7	7.3	4.7	6.0	6.3	5.3	5.0	5.3	6.3	6.0	5.6	
JS 916	6.0	5.7	8.3	5.7	6.0	5.3	5.3	5.0	5.3	6.3	5.7	5.6	
K12-05	7.7	6.0	5.0	5.0	6.0	6.7	5.0	4.0	5.0	6.0	7.0	5.6	
CAESAR (TY 10)	7.3	4.7	7.3	6.3	5.7	5.0	5.0	5.0	5.3	5.7	6.0	5.5	
RAD-TF-92	6.3	6.0	6.0	5.7	5.0	5.7	4.3	5.3	5.7	5.7	6.3	5.5	
RAIN DANCE (PST-5SDT)	5.0	4.7	7.0	5.7	5.3	5.3	5.0	5.3	5.0	6.3	6.3	5.5	
204 RES. BLK4	5.0	6.3	6.3	5.7	5.3	4.7	4.7	4.7	4.7	7.0	6.3	5.4	
TEMPTATION (OR-21)	7.7	4.7	7.0	5.7	6.0	5.3	5.7	4.7	5.0	5.7	5.3	5.4	
BAR FA 121089	6.0	4.7	6.7	5.7	5.3	5.3	5.3	4.7	5.0	5.3	6.0	5.3	
BAR FA 121091	7.3	4.7	5.0	5.3	5.7	5.3	5.0	4.3	5.3	5.7	5.7	5.3	
BAR FA 121095	7.3	5.7	5.0	5.3	5.3	6.0	5.0	4.7	5.0	5.3	5.3	5.3	
FRONTLINE (EXP TF-09)	7.7	4.7	5.0	6.0	5.3	5.3	5.3	4.0	5.7	5.7	5.3	5.3	
JS 809	7.3	5.7	5.7	5.3	6.0	5.0	4.3	4.0	5.0	6.3	6.0	5.3	
MEMPHIS (GO-DFR)	6.7	5.3	6.0	4.7	5.7	5.3	5.3	4.3	5.3	5.7	5.7	5.3	
MERIDIAN (PST-5GRB)	5.0	6.3	8.3	6.0	5.3	5.0	5.0	4.7	5.0	5.3	5.7	5.3	
COMP. RES. SST	5.7	6.0	5.3	4.7	5.7	4.7	4.7	4.3	5.0	6.3	6.0	5.2	
INSPIRATION (PST-R5NW)	6.0	3.7	7.3	5.0	5.7	5.7	5.0	4.7	5.0	5.3	5.3	5.2	
K12-13	7.7	6.0	4.7	4.7	5.3	5.0	4.7	4.3	5.0	5.3	6.3	5.1	
AQUADUCT	5.3	4.3	6.7	5.0	4.7	5.0	4.7	5.0	5.0	5.3	5.7	5.0	
JS 825	7.0	4.7	5.7	4.7	6.0	5.0	5.0	4.3	4.3	5.7	5.3	5.0	
MARAUDER	5.3	5.7	5.7	4.7	5.0	4.3	4.7	4.7	4.7	5.0	6.3	4.9	
WARHAWK	6.3	6.0	5.7	5.3	5.7	4.3	4.0	4.3	4.7	5.3	5.0	4.8	
BAR FA 120878	4.3	3.0	7.0	5.0	4.3	4.7	4.7	4.7	4.3	5.3	4.7	4.7	
KY-31	2.0	2.0	7.7	3.0	3.0	3.0	4.0	4.0	4.0	3.3	4.0	3.5	
LSD VALUE	1.0	1.3	1.7	1.7	1.4	1.4	1.7	1.2	1.6	1.6	1.3	0.8	
C.V. (%)	10.3	13.7	13.4	13.8	12.1	12.7	15.0	12.5	14.1	13.0	10.4	8.3	

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

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

TABLE 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT GRIFFIN, GA 1/  
2016 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
MET 1	6.7	6.7	6.7	6.3	6.3	6.0	6.0	5.7	6.0	6.0	6.0	6.0	5.3	6.1
PPG-TF-169	6.3	7.0	7.0	7.0	6.3	6.3	6.0	5.7	5.7	6.0	5.7	5.3	5.3	6.1
TITANIUM 2LS (PPG-TF-152)	6.7	6.7	6.7	6.7	6.7	6.3	6.0	5.5	5.5	5.5	5.5	5.5	5.5	6.1
ATF 1754	6.3	6.3	6.3	6.3	6.3	6.0	5.3	5.3	5.7	6.0	6.3	6.0	6.0	6.0
AVENGER II (PPG-TF-156)	6.3	6.7	6.3	6.7	6.7	6.0	6.0	5.3	6.0	5.7	6.0	5.7	5.0	6.0
EMBRACE (PST-5EV2)	7.0	7.3	6.7	7.0	7.0	6.0	6.0	6.0	5.3	5.3	5.3	5.0	4.7	6.0
FAITH	6.3	6.7	6.7	6.3	6.0	6.0	6.0	5.0	5.7	6.0	6.0	6.0	5.3	6.0
GTO (BURL TF-2)	6.7	6.7	7.0	6.7	6.7	6.3	6.0	6.0	5.0	5.7	5.7	5.3	4.7	6.0
HEMI	6.7	6.7	6.7	6.3	6.7	6.0	5.7	6.0	6.0	6.0	6.0	5.3	4.7	6.0
PSG-P01	7.0	6.7	6.3	6.3	6.3	5.7	6.0	5.3	5.7	6.0	6.0	6.0	5.0	6.0
XTENDER (PPG-TF-139)	6.7	6.3	7.0	6.7	6.0	6.0	6.0	6.0	5.7	5.3	5.7	5.7	5.3	6.0
ATF 1704	6.7	6.3	6.3	6.3	6.3	6.3	6.0	6.0	5.7	5.7	5.7	5.0	5.0	5.9
BAR FA 121095	7.0	6.3	6.7	6.0	6.0	6.0	6.3	5.3	5.3	6.0	5.7	5.7	5.3	5.9
BIZEM	6.3	6.3	6.3	6.3	6.3	6.3	5.3	5.3	5.3	5.7	6.3	6.0	5.3	5.9
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	6.3	6.3	6.3	6.3	6.0	6.0	5.3	5.7	5.7	6.0	5.7	5.0	5.9
IS-TF 308 SEL	6.3	6.3	6.3	6.0	6.0	6.0	5.7	5.7	5.7	6.0	6.0	5.7	5.0	5.9
JS 916	6.7	6.0	6.3	6.3	6.0	5.7	5.7	5.3	6.0	6.0	6.0	6.0	5.0	5.9
MAESTRO (T31)	6.3	6.7	6.3	6.3	6.0	6.0	6.0	5.0	5.3	6.0	5.7	5.7	5.3	5.9
MICHELANGELO (LTP-F5DPDR)	6.0	6.0	6.0	6.0	6.3	6.0	6.0	5.0	5.7	5.7	6.0	6.3	5.7	5.9
PARAMOUNT (PPG-TF-137)	6.7	6.3	6.0	6.0	6.0	6.3	6.0	5.3	5.0	5.3	6.0	6.3	5.7	5.9
PST-5BPO	6.3	6.3	6.3	6.3	6.0	6.0	5.7	6.0	5.3	5.7	5.3	5.7	5.7	5.9
REGENERATE	7.0	7.0	7.3	7.3	6.3	6.3	5.7	4.7	4.7	5.3	5.3	5.3	5.0	5.9
VALKYRIE LS (PPG-TF-172)	7.0	6.0	6.3	6.0	6.3	6.0	5.7	5.3	5.7	6.0	5.7	6.0	5.3	5.9
W41	6.3	5.7	6.3	6.3	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7	5.7	5.9
WICHITA (PPG-TF-151)	6.7	6.7	6.7	6.3	6.3	6.3	5.7	5.5	5.0	5.0	5.0	6.0	5.0	5.9
4TH MILLENNIUM SRP (U43)	6.7	6.3	6.3	6.3	6.3	5.7	5.7	4.5	5.5	6.0	5.0	5.5	5.0	5.8
AMITY (CCR2)	6.3	6.0	6.0	6.0	6.0	5.7	6.0	5.3	5.3	6.0	5.7	6.0	5.0	5.8
ATF 1736	6.3	6.0	6.0	6.0	6.0	5.7	5.7	5.3	5.7	5.7	6.0	6.0	5.3	5.8
F711	6.3	5.7	6.0	5.7	5.7	6.0	5.7	5.7	5.7	6.0	6.0	5.7	5.7	5.8
FALCON V	6.7	6.0	5.7	6.3	6.0	6.0	6.0	5.3	5.7	6.0	6.0	5.7	5.3	5.8
FAYETTE (IS-TF 291)	6.7	6.3	6.3	6.7	6.0	5.7	5.7	5.7	5.3	5.7	5.7	5.7	5.3	5.8
FESNOVA	6.7	6.0	6.0	6.3	6.3	6.0	6.0	5.3	5.3	5.7	6.0	6.0	4.7	5.8
IS-TF 311	6.7	6.0	6.0	6.0	6.3	6.3	6.0	5.3	5.3	5.7	5.7	5.7	5.0	5.8
K12-05	7.0	6.3	6.7	6.3	6.3	6.0	6.0	5.0	5.0	5.7	5.7	5.7	5.3	5.8
K12-MCD	6.3	6.3	6.0	6.0	6.0	6.0	6.0	5.7	5.3	5.7	6.0	5.7	5.3	5.8
PPG-TF-115	6.3	6.0	6.0	6.0	5.7	6.0	6.0	5.7	5.7	5.3	5.7	5.7	5.3	5.8
PST-5BRK	6.0	6.3	6.0	6.3	6.3	6.3	6.0	5.7	5.3	5.3	5.7	5.7	5.0	5.8
PST-5MVD	6.3	6.3	6.0	6.0	6.0	6.0	6.0	5.3	5.7	6.0	5.7	5.7	5.0	5.8
RAPTOR III (ZW 44)	6.3	6.7	6.3	6.3	6.3	5.7	5.7	5.3	5.7	5.7	5.7	5.7	4.0	5.8
REBOUNDER (PICK-W43)	6.3	6.3	6.3	6.3	6.3	6.3	6.0	5.3	5.7	5.3	5.3	5.0	4.7	5.8
RHIZING MOON (IS-TF 305 SEL)	6.3	6.3	6.7	6.3	6.3	6.0	5.7	5.3	5.0	5.7	5.3	5.3	5.3	5.8
SALTILLO (PST-5SALT)	6.0	6.0	5.7	6.0	5.3	5.7	5.7	5.7	5.7	6.0	6.0	6.0	5.3	5.8
SCREAMER LS (PPG-TF-148)	6.3	6.0	6.3	6.3	6.3	6.0	5.7	5.7	5.3	5.7	5.7	5.7	5.0	5.8
THUNDERSTRUCK (TD1)	6.7	6.3	6.3	6.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.0	5.0	5.8
BLOODHOUND (MET 6 SEL)	6.3	6.3	6.0	6.3	6.3	6.0	6.0	5.0	5.0	5.5	5.7	5.3	5.0	5.7

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/  
2016 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DYNAMITE LS (PPG-TF-145)	6.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.3	6.0	6.0	6.0	5.7	5.7
FIREBIRD 2	6.7	6.3	6.7	6.7	6.3	6.3	6.0	5.0	4.7	5.3	5.0	5.0	5.0	5.7
FIREWALL (PSG-WE1)	6.7	6.7	6.7	6.7	6.3	6.3	6.0	6.0	5.0	4.3	5.0	5.0	4.0	5.7
HOUNDOG8 (IS-TF 307 SEL)	6.0	6.3	6.3	6.0	5.3	5.7	5.0	5.7	5.7	5.7	5.7	5.7	5.3	5.7
LEONARDO (LTP-FSD)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.0	5.0	5.7	6.0	6.0	5.0	5.7
OLYMPUS (RAD-TF-88)	6.7	6.3	6.3	6.0	5.7	5.7	5.7	5.0	5.0	5.5	5.5	5.5	4.5	5.7
PPG-TF-138	6.7	6.0	6.3	6.3	6.3	6.0	6.0	5.3	5.0	5.0	5.7	5.3	5.0	5.7
PST-5EX2	6.0	6.0	6.3	6.3	6.0	6.0	5.7	5.0	5.7	5.0	5.3	5.7	5.3	5.7
RAIN DANCE (PST-5SDT)	6.0	6.3	6.3	6.0	6.0	6.0	5.7	5.0	5.3	5.7	5.3	5.7	4.7	5.7
ROCKWELL (LTP-TWUU)	6.3	6.0	6.3	6.0	6.0	6.0	6.0	5.3	5.0	5.7	5.7	5.7	5.0	5.7
SUPERSONIC (PPG-TF-170)	6.3	6.7	6.3	6.0	6.0	6.0	6.0	5.0	5.3	5.7	5.3	5.3	5.0	5.7
TECHNIQUE (RZ2)	6.3	6.7	6.7	6.7	6.3	6.0	5.7	5.3	5.3	5.0	5.0	5.0	4.7	5.7
THOR (PPG-TF-157)	6.0	6.7	6.3	6.0	5.7	5.3	5.3	5.0	5.3	5.7	5.7	6.0	5.3	5.7
TURFWAY (IS-TF 282 M2)	6.3	6.0	6.0	6.7	5.7	6.0	5.7	5.0	5.7	5.3	5.7	5.7	5.3	5.7
UNITUS (IS-TF 289)	7.0	6.3	6.7	6.3	6.3	6.0	5.7	4.7	5.0	5.7	5.3	5.3	4.5	5.7
ARES (PPG-TF-142)	6.7	6.0	6.0	6.0	6.3	6.0	5.3	5.0	5.0	5.3	5.7	5.3	5.0	5.6
CAESAR (TY 10)	6.7	6.0	5.7	5.7	5.7	5.7	5.3	5.7	5.3	5.3	5.3	5.7	5.3	5.6
COMP. RES. SST	6.3	6.3	6.3	6.0	5.7	6.0	5.7	4.7	5.3	5.3	5.3	6.0	5.0	5.6
GRANDE 3	6.0	6.3	6.0	5.7	6.0	6.0	6.0	5.0	5.0	5.3	5.3	5.7	5.3	5.6
INSPIRATION (PST-R5NW)	6.0	5.7	6.0	5.7	5.7	5.3	5.7	5.5	5.3	5.7	5.7	5.7	5.0	5.6
IS-TF 276 M2	6.3	6.0	6.0	6.0	6.0	6.0	5.7	5.3	5.0	5.3	5.7	5.3	5.0	5.6
K12-13	6.3	6.0	6.3	6.0	6.0	6.0	6.0	5.0	5.0	5.0	5.3	5.3	5.0	5.6
MERIDIAN (PST-5GRB)	6.3	6.3	6.3	6.0	6.0	5.7	5.3	5.0	5.3	5.7	5.3	5.3	5.0	5.6
MET-3	6.3	6.3	6.0	6.0	6.0	5.7	5.3	5.3	5.0	5.3	5.7	5.3	5.0	5.6
NIGHTCRAWLER (IS-TF 285)	6.3	6.3	6.3	6.3	5.7	5.7	5.7	5.3	5.3	5.0	5.0	5.0	5.3	5.6
PPG-TF-135	6.7	6.0	6.0	5.7	5.7	6.0	6.0	5.3	5.3	5.3	5.3	5.7	5.3	5.6
RAD-TF-89	6.7	5.7	5.7	5.7	6.0	5.7	5.3	5.3	5.3	6.0	5.3	6.0	5.3	5.6
REFLECTION (U45)	6.3	6.7	6.7	6.7	6.7	6.0	5.7	5.3	4.7	4.7	5.0	5.0	4.3	5.6
ROWDY (SRX-TPC)	7.0	6.0	6.0	6.0	6.3	6.3	5.7	5.0	5.7	5.3	5.3	5.0	4.3	5.6
TEMPLE (DZ1)	6.7	6.0	6.0	6.0	6.0	6.0	5.7	5.7	5.3	5.3	5.3	5.3	5.0	5.6
TRAVERSE 2 SRP (W45)	6.3	6.7	6.3	6.3	6.0	5.7	5.7	5.7	5.0	5.0	5.3	5.7	4.3	5.6
BLACK TAIL (PPG-TF-150)	6.3	5.7	6.0	6.0	5.7	5.7	5.7	4.7	5.3	5.0	5.7	6.0	5.0	5.5
BULLSEYE	6.3	5.7	6.0	6.0	5.3	5.7	5.3	5.3	5.3	5.0	5.3	5.3	5.3	5.5
FALCON IV	6.3	5.3	5.3	5.3	6.0	5.7	5.7	5.7	5.0	5.7	5.7	5.7	5.0	5.5
FIRECRACKER SLS (PPG-TF-105)	6.7	6.3	6.3	6.3	6.3	6.0	5.7	4.3	4.7	5.0	5.0	5.0	5.0	5.5
IS-TF 269 SEL	6.3	5.7	5.7	5.7	6.0	6.0	5.0	5.0	5.0	5.5	6.0	6.0	5.5	5.5
KINGDOM (DB1)	6.7	6.0	6.0	6.0	6.0	6.0	5.7	5.5	5.3	5.0	5.0	5.0	4.7	5.5
MEMPHIS (GO-DFR)	6.3	5.3	5.7	5.7	5.3	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.3	5.5
PSG-8BP2	6.0	6.0	5.7	6.0	5.7	5.3	5.3	5.3	5.3	5.3	5.0	5.3	5.3	5.5
PSG-TT4	6.0	6.0	5.7	5.7	5.7	5.7	5.3	5.0	5.0	5.7	5.3	5.3	5.3	5.5
PST-5DZP	6.3	6.0	6.0	6.0	5.3	5.7	5.3	5.3	5.3	5.0	5.3	5.3	5.3	5.5
RHAMBLER 2 SRP (LSD)	6.7	5.7	6.0	6.0	6.0	5.7	5.3	5.3	5.3	5.7	5.3	5.0	5.0	5.5
TERRANO	6.7	6.0	6.0	6.0	6.0	6.0	5.3	4.7	5.0	5.0	5.3	5.3	5.3	5.5
204 RES. BLK4	6.0	5.0	5.3	5.3	5.0	5.3	5.3	5.0	5.7	6.0	6.0	6.0	5.5	5.4
ATF 1612	6.0	6.3	6.3	4.7	6.0	5.7	5.7	5.3	5.0	5.0	5.0	5.3	4.3	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/  
2016 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS												MEAN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DIABLO (IS-TF 330)	6.0	6.0	6.0	6.0	5.7	5.7	5.0	5.3	5.0	5.3	5.0	5.3	4.7	5.4
FOXHOUND (IS-TF 284 M2)	6.0	6.0	5.7	5.7	5.7	5.3	5.3	5.0	5.0	4.7	5.0	5.7	5.3	5.4
HOT ROD (BURL TF-136)	6.0	5.7	6.0	6.0	5.3	5.7	5.3	5.0	5.0	5.7	5.3	5.7	4.7	5.4
JS 809	6.3	5.7	5.7	6.0	6.0	5.7	5.7	4.3	5.0	5.3	5.7	5.3	5.0	5.4
JS 825	6.7	5.7	5.7	5.7	5.7	5.7	5.7	5.3	5.0	5.0	5.7	5.3	5.0	5.4
MARAUDER	6.0	5.7	5.7	5.7	5.3	5.3	6.0	5.0	5.3	5.3	5.3	5.0	4.7	5.4
PSG-GSD	6.0	5.7	5.7	5.7	5.3	5.3	5.7	5.3	4.7	5.3	5.7	5.7	5.3	5.4
RAD-TF-92	6.7	5.7	5.7	5.3	5.3	5.3	5.3	5.0	5.3	5.3	5.7	5.7	5.3	5.4
SWAGGER (PST-5R05)	6.0	6.0	6.0	5.7	5.3	5.3	5.7	5.0	5.0	5.3	5.3	5.0	4.7	5.4
WARHAWK	6.3	5.7	6.0	5.7	5.7	6.0	5.3	5.3	4.7	5.0	5.0	5.7	4.7	5.4
B23	6.3	5.3	5.3	5.3	5.3	5.0	5.0	5.0	5.3	5.3	5.7	5.7	4.5	5.3
HOVER (BURL TF-69)	6.7	5.7	5.7	5.7	6.0	5.7	5.3	5.0	5.5	5.0	5.0	5.0	4.5	5.3
IS-TF 272	6.7	5.7	5.3	5.3	5.3	5.3	5.3	4.3	5.0	5.3	5.3	5.3	5.3	5.3
IS-TF-287	6.0	5.3	5.3	5.7	6.0	6.0	5.3	5.0	5.3	5.0	5.3	5.3	4.3	5.3
JS 819	6.3	5.3	5.3	5.7	5.7	5.3	5.3	5.0	5.0	5.3	5.3	5.3	5.0	5.3
ANNIHILATOR	6.0	5.3	5.7	5.3	5.3	5.3	5.7	4.3	4.7	6.0	5.3	5.3	5.0	5.2
BAR FA 120878	6.0	5.0	5.7	5.3	5.7	5.3	5.3	5.0	5.0	6.0	5.5	5.5	4.5	5.2
BAR FA 121089	6.0	5.3	6.0	6.0	5.7	5.0	5.0	4.3	4.5	5.0	5.5	5.0	5.0	5.2
RAD-TF-83	6.3	5.0	5.3	5.3	5.3	5.3	5.3	5.0	5.5	5.5	5.5	5.5	4.0	5.2
TEMPTATION (OR-21)	6.3	5.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.7	5.7	5.7	4.7	5.2
BAR FA 121091	6.0	5.7	5.7	5.3	5.3	5.3	5.0	4.3	5.0	5.0	5.3	5.3	4.3	5.1
FRONTLINE (EXP TF-09)	6.3	5.7	5.7	5.3	5.0	5.0	4.7	5.0	5.0	5.3	5.0	5.0	4.0	5.1
CATALYST	6.7	5.3	5.3	5.3	5.7	5.3	5.0	4.7	4.7	4.7	4.3	4.7	4.3	4.9
AQUADUCT	6.0	5.3	5.3	5.0	5.0	5.0	4.7	4.7	4.3	4.7	4.3	4.3	4.0	4.7
JS 818	6.3	5.0	5.0	5.3	5.0	5.0	5.0	4.0	4.0	4.3	4.7	4.3	4.0	4.6
KY-31	4.7	4.7	4.7	4.7	4.3	4.3	4.3	4.0	4.0	4.7	4.0	4.0	3.7	4.3
LSD VALUE	1.2	1.6	1.9	2.5	1.6	1.9	1.8	1.3	3.0	1.7	1.9	2.1	3.2	1.1
C.V. (%)	7.4	10.8	11.1	12.1	10.6	10.0	9.9	10.6	12.5	10.6	10.8	11.1	14.5	7.6

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 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT AMES, IA 1/  
2016 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS							MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	
REFLECTION (U45)	6.7	7.3	7.7	7.0	7.0	6.7	9.0	7.0	7.4
FIRECRACKER SLS (PPG-TF-105)	6.7	7.7	7.0	6.7	7.3	7.3	8.0	7.3	7.3
MET 1	6.7	8.0	7.3	7.0	7.0	7.0	7.0	7.7	7.3
FAYETTE (IS-TF 291)	7.0	8.0	8.0	7.0	7.0	6.7	7.0	6.7	7.2
FOXHOUND (IS-TF 284 M2)	6.7	8.0	7.3	7.3	6.7	6.3	7.3	7.3	7.2
IS-TF 272	6.3	7.7	7.3	6.3	6.3	7.7	8.0	7.0	7.2
TEMPTATION (OR-21)	6.3	8.0	7.7	7.0	6.7	6.7	7.7	7.0	7.2
AMITY (CCR2)	7.0	8.3	7.3	6.7	6.3	6.7	7.0	7.3	7.1
ARES (PPG-TF-142)	7.3	7.3	7.3	7.0	6.7	7.0	7.3	7.0	7.1
BIZEM	7.0	8.0	8.3	7.3	6.7	6.3	6.7	6.7	7.1
BULLSEYE	7.0	8.0	7.3	7.3	6.7	6.3	7.3	7.0	7.1
DYNAMITE LS (PPG-TF-145)	6.7	8.0	7.7	7.0	7.3	6.3	7.0	6.3	7.1
FALCON V	7.0	8.0	7.0	7.0	6.7	6.7	7.0	7.3	7.1
HOUND0G8 (IS-TF 307 SEL)	7.0	7.0	7.3	6.7	7.3	7.0	7.7	7.0	7.1
IS-TF 269 SEL	6.0	8.3	8.0	7.0	6.7	6.3	6.7	7.0	7.1
JS 818	7.0	7.3	7.7	7.0	7.3	6.3	7.7	6.7	7.1
PPG-TF-138	6.7	8.0	7.0	6.7	6.7	7.0	7.0	7.3	7.1
RAD-TF-89	7.0	7.3	7.7	7.3	7.0	7.0	7.0	6.3	7.1
TECHNIQUE (RZ2)	7.3	8.0	7.3	6.7	6.7	7.3	7.3	6.3	7.1
THUNDERSTRUCK (TD1)	6.3	8.0	7.3	6.7	7.3	6.3	7.0	7.0	7.1
4TH MILLENNIUM SRP (U43)	7.0	7.7	7.0	6.0	6.7	6.7	7.7	7.3	7.0
ATF 1612	6.0	8.0	7.3	6.7	6.3	6.3	7.0	7.7	7.0
CAESAR (TY 10)	7.0	7.0	7.3	6.3	7.3	6.7	7.7	6.7	7.0
CATALYST	7.3	8.0	7.3	6.7	6.7	7.0	7.0	6.3	7.0
DIABLO (IS-TF 330)	7.0	7.7	7.0	6.3	7.0	6.7	7.7	6.3	7.0
EMBRACE (PST-5EV2)	7.0	7.7	7.0	6.7	7.0	6.3	8.0	6.3	7.0
FAITH	6.3	8.0	7.0	6.7	6.3	6.3	7.7	7.3	7.0
FALCON IV	6.3	7.3	7.3	7.0	6.3	7.0	6.3	7.3	7.0
FESNOVA	7.0	7.3	7.3	6.7	7.0	7.0	8.0	6.0	7.0
GTO (BURL TF-2)	6.3	7.3	7.0	7.0	6.0	6.7	7.7	7.3	7.0
HEMI	6.0	8.0	7.7	6.3	6.7	7.0	7.0	6.3	7.0
HOT ROD (BURL TF-136)	6.7	7.3	7.3	6.7	6.7	7.0	7.0	6.7	7.0
IS-TF 308 SEL	7.0	7.3	6.7	6.0	7.0	6.7	7.7	7.7	7.0
JS 825	6.7	7.3	7.3	6.7	7.0	6.3	7.0	7.0	7.0
JS 916	6.7	7.7	6.7	6.7	6.7	6.7	7.7	7.0	7.0
KINGDOM (DB1)	7.3	7.7	7.0	6.3	7.7	7.0	6.3	6.7	7.0
MEMPHIS (GO-DFR)	7.0	7.3	6.7	7.0	7.0	6.7	8.0	6.3	7.0
MET-3	6.3	7.3	6.7	6.7	6.7	7.0	7.0	8.0	7.0
PPG-TF-135	6.7	8.0	7.3	6.7	6.7	6.3	7.3	6.3	7.0
RAD-TF-83	7.0	7.7	7.0	7.0	7.3	6.3	7.3	6.7	7.0
RAPTOR III (ZW 44)	7.3	7.7	7.0	7.0	7.0	6.3	6.7	7.0	7.0
REBOUNDER (PICK-W43)	7.0	7.7	7.3	7.3	6.3	6.7	6.7	7.0	7.0
REGENERATE	6.3	8.0	7.3	7.0	6.3	6.7	7.3	6.7	7.0
TEMPLE (DZ1)	6.7	7.3	7.7	7.0	6.3	6.7	7.0	6.7	7.0
TERRANO	6.7	7.7	7.0	6.7	7.0	6.3	7.3	7.3	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/  
2016 DATA

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

NAME	GENETIC	QUALITY RATINGS							MEAN
	COLOR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
THOR (PPG-TF-157)	6.7	8.0	8.0	6.3	7.3	6.0	7.3	6.0	7.0
TRAVERSE 2 SRP (W45)	6.7	8.0	7.7	7.3	6.3	6.3	6.7	6.3	7.0
TURFWAY (IS-TF 282 M2)	6.7	7.7	7.0	7.0	7.3	6.7	6.7	6.7	7.0
UNITUS (IS-TF 289)	6.7	7.7	7.3	6.3	6.7	6.3	8.0	6.7	7.0
W41	7.0	7.7	7.0	7.0	7.3	7.0	6.7	6.3	7.0
XTENDER (PPG-TF-139)	6.3	7.3	7.7	6.3	6.7	6.7	7.7	6.7	7.0
AVENGER II (PPG-TF-156)	6.7	7.0	7.0	7.0	6.0	6.3	7.7	7.0	6.9
BLACK TAIL (PPG-TF-150)	6.3	8.0	7.3	6.7	6.3	6.7	6.7	6.3	6.9
BLOODHOUND (MET 6 SEL)	6.0	7.7	6.7	6.3	6.0	7.0	7.3	7.0	6.9
F711	6.7	7.0	7.3	7.0	6.3	6.7	6.3	7.3	6.9
INSPIRATION (PST-R5NW)	6.7	7.3	7.3	7.3	6.0	6.3	6.3	7.3	6.9
K12-05	6.3	7.7	7.0	6.7	6.3	6.0	7.0	7.3	6.9
MICHELANGELO (LTP-F5DPDR)	6.7	8.0	7.3	7.3	7.0	6.0	6.3	6.0	6.9
PPG-TF-115	7.7	7.0	7.0	7.0	6.7	6.0	7.3	7.0	6.9
PSG-P01	7.0	7.7	7.0	7.0	6.3	7.0	6.3	7.0	6.9
RHIZING MOON (IS-TF 305 SEL)	6.7	7.3	7.3	7.0	7.0	7.0	6.7	6.0	6.9
ROCKWELL (LTP-TWUU)	7.7	7.7	7.0	6.7	6.3	6.7	6.7	7.0	6.9
ROWDY (SRX-TPC)	6.3	7.3	7.0	6.3	6.7	6.7	7.0	7.0	6.9
ATF 1736	6.7	7.0	7.0	6.7	6.7	6.3	7.7	6.0	6.8
B23	6.0	8.0	7.0	6.7	6.0	6.3	6.7	6.7	6.8
FRONTLINE (EXP TF-09)	7.0	6.7	7.0	6.7	7.3	6.0	6.7	7.0	6.8
IS-TF 276 M2	6.3	7.7	7.0	6.7	6.7	6.3	6.3	7.0	6.8
IS-TF 311	6.0	7.3	7.0	6.7	6.0	6.0	7.7	7.0	6.8
K12-13	6.7	7.3	6.3	6.3	7.0	7.0	7.3	6.3	6.8
LEONARDO (LTP-FSD)	7.0	7.0	6.7	7.3	7.0	6.0	7.0	6.7	6.8
NIGHTCRAWLER (IS-TF 285)	6.0	7.3	7.0	6.7	6.7	6.0	6.3	7.3	6.8
PSG-GSD	6.7	7.0	7.0	7.0	6.7	6.3	7.0	6.7	6.8
PST-5BPO	6.3	7.0	7.0	7.0	6.7	7.3	6.0	6.7	6.8
PST-5BRK	6.7	7.7	7.0	7.0	6.7	6.7	6.7	6.0	6.8
RAD-TF-92	6.0	7.3	6.7	6.7	6.3	6.3	7.3	7.0	6.8
RAIN DANCE (PST-5SDT)	7.0	7.3	7.0	6.7	7.0	5.7	7.0	6.7	6.8
RHAMBLER 2 SRP (LSD)	7.0	7.7	6.7	7.0	6.3	6.3	7.0	6.3	6.8
SALTILLO (PST-5SALT)	7.0	7.0	7.0	6.7	6.7	6.7	6.7	6.7	6.8
SCREAMER LS (PPG-TF-148)	7.3	7.7	6.7	6.7	6.3	6.0	6.7	7.3	6.8
WICHITA (PPG-TF-151)	6.3	7.7	6.7	6.3	7.0	6.0	7.3	6.3	6.8
BAR FA 121095	6.7	7.7	7.3	6.7	6.7	6.0	6.0	6.3	6.7
COMP. RES. SST	7.7	7.0	7.0	6.0	7.7	6.0	6.7	6.3	6.7
FIREBIRD 2	7.0	6.7	7.0	6.3	6.3	7.3	6.7	6.7	6.7
JS 809	7.0	7.0	7.0	6.7	6.7	6.0	6.3	7.3	6.7
JS 819	7.3	7.0	7.0	6.3	6.3	6.3	6.7	7.0	6.7
MAESTRO (T31)	6.3	7.7	6.7	6.7	6.0	6.3	6.7	6.7	6.7
MERIDIAN (PST-5GRB)	6.0	7.3	7.0	6.7	6.3	6.3	6.3	6.7	6.7
OLYMPUS (RAD-TF-88)	6.3	7.0	6.3	6.0	6.3	6.7	7.3	7.0	6.7
PSG-8BP2	6.7	6.7	6.7	6.0	7.0	6.3	7.7	6.7	6.7
PST-5DZP	7.0	7.3	7.0	6.3	7.0	6.3	6.3	6.3	6.7

TABLE 4.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT AMES, IA 1/  
2016 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS							
		APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SUPERSONIC (PPG-TF-170)	7.0	7.3	6.7	6.7	6.0	6.7	6.7	7.0	6.7
SWAGGER (PST-5R05)	6.0	7.3	7.0	7.0	6.0	6.3	6.7	6.7	6.7
TITANIUM 2LS (PPG-TF-152)	6.3	7.3	7.0	6.0	6.3	6.7	6.7	6.7	6.7
ATF 1754	6.3	7.3	6.7	6.7	6.3	6.7	6.0	6.7	6.6
BAR FA 121091	6.7	7.0	6.7	7.0	6.3	6.3	6.3	6.7	6.6
FIREWALL (PSG-WE1)	6.3	7.0	6.3	7.0	6.3	6.3	6.7	6.7	6.6
IS-TF-287	7.0	7.0	6.7	5.7	7.0	6.0	6.7	7.0	6.6
K12-MCD	6.7	7.0	7.0	6.7	6.7	6.0	6.7	6.3	6.6
PARAMOUNT (PPG-TF-137)	6.3	7.0	6.7	6.7	6.3	6.7	6.0	6.7	6.6
PPG-TF-169	6.7	7.3	7.0	6.7	6.0	6.7	6.0	6.3	6.6
PST-5MVD	6.7	6.7	7.0	7.0	6.7	6.0	6.0	6.7	6.6
VALKYRIE LS (PPG-TF-172)	6.0	7.7	7.0	6.7	6.0	6.0	6.3	6.3	6.6
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	7.0	6.7	5.7	6.3	5.7	7.7	6.3	6.5
GRANDE 3	6.3	7.0	6.3	6.7	6.0	6.0	6.7	6.7	6.5
HOVER (BURL TF-69)	6.7	7.0	6.7	6.3	6.0	5.7	7.0	6.7	6.5
PSG-TT4	7.3	6.7	6.0	6.0	6.3	7.3	6.3	6.7	6.5
WARHAWK	6.7	6.3	6.3	6.7	6.3	6.3	6.7	7.0	6.5
ATF 1704	6.7	6.7	6.0	6.3	6.0	6.0	7.0	6.7	6.4
BAR FA 121089	6.7	6.3	6.7	6.0	6.7	6.0	6.3	6.7	6.4
PST-5EX2	6.7	6.7	6.3	6.3	5.7	6.3	6.3	7.0	6.4
MARAUDER	7.0	5.7	5.7	5.7	6.7	6.0	7.0	7.0	6.2
204 RES. BLK4	6.0	5.3	5.0	6.7	6.0	5.7	7.3	7.0	6.1
AQUADUCT	6.0	6.3	6.3	6.3	6.0	5.7	6.0	6.3	6.1
BAR FA 120878	6.3	6.0	5.7	6.0	5.7	5.7	6.7	7.0	6.1
ANNIHILATOR	6.7	5.7	5.3	6.0	6.3	6.0	6.7	6.3	6.0
KY-31	6.0	4.0	4.0	4.0	5.0	5.0	4.7	6.7	4.8
LSD VALUE	2.4	1.2	1.0	1.7	1.8	2.0	3.2	5.2	0.6
C.V. (%)	9.8	9.0	8.4	9.9	10.1	10.4	13.6	12.3	4.9

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

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

TABLE 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT URBANA, IL 1/  
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT		
FIREWALL (PSG-WE1)	7.0	5.3	6.0	8.0	7.7	8.0	8.7	7.7	7.0	7.0	7.7	
FOXHOUND (IS-TF 284 M2)	7.7	4.0	7.0	7.7	7.3	7.3	8.0	7.7	7.7	7.3	7.6	
BLACK TAIL (PPG-TF-150)	7.7	5.7	6.3	8.3	7.0	7.7	7.7	7.7	7.3	6.7	7.5	
IS-TF 269 SEL	7.0	4.7	6.0	8.3	7.7	7.7	8.0	7.3	6.7	7.0	7.5	
TURFWAY (IS-TF 282 M2)	7.3	5.0	6.3	7.7	7.0	8.0	8.0	7.3	7.3	7.3	7.5	
HEMI	6.3	5.0	5.7	8.7	7.3	7.3	7.7	7.0	6.7	7.0	7.4	
HOT ROD (BURL TF-136)	7.3	5.3	6.7	8.0	7.0	7.3	7.7	7.3	7.3	7.3	7.4	
OLYMPUS (RAD-TF-88)	7.3	5.3	6.3	7.7	7.3	7.0	7.7	7.7	7.3	7.0	7.4	
PPG-TF-169	6.3	7.3	6.3	8.3	7.0	7.0	8.0	7.3	7.0	7.0	7.4	
RHIZING MOON (IS-TF 305 SEL)	7.0	5.0	5.7	8.3	7.7	7.7	8.7	7.0	6.3	6.3	7.4	
SUPERSONIC (PPG-TF-170)	7.0	6.0	5.7	8.0	7.7	7.7	8.7	7.0	6.3	6.7	7.4	
FIREBIRD 2	6.3	5.3	5.7	7.7	7.7	8.3	8.7	7.0	6.3	5.7	7.3	
HOVER (BURL TF-69)	6.7	5.3	6.0	8.0	7.3	8.0	8.7	7.3	6.0	5.7	7.3	
PST-5BRK	7.3	6.0	6.0	8.3	6.7	7.7	8.3	7.0	6.7	6.7	7.3	
RAPTOR III (ZW 44)	6.7	6.0	6.0	8.3	7.3	7.0	7.7	7.0	6.7	7.0	7.3	
REBOUNDER (PICK-W43)	6.7	6.3	6.3	8.0	7.3	7.7	7.7	7.0	6.7	6.7	7.3	
W41	7.0	5.3	6.0	8.0	7.3	7.3	7.7	7.0	7.0	6.7	7.3	
GTO (BURL TF-2)	6.7	6.0	5.7	8.0	7.0	7.7	8.3	7.0	6.3	6.3	7.2	
MICHELANGELO (LTP-F5DPDR)	6.7	5.7	5.7	8.0	7.3	7.3	8.0	7.0	6.3	6.3	7.2	
PSG-P01	7.3	5.7	5.7	7.7	7.7	7.7	8.3	6.7	6.3	6.3	7.2	
TECHNIQUE (RZ2)	6.7	5.7	6.3	8.3	7.0	7.3	7.7	7.0	6.7	6.7	7.2	
THUNDERSTRUCK (TD1)	7.3	4.0	6.0	8.3	7.0	7.0	7.7	6.7	6.7	7.0	7.2	
WICHITA (PPG-TF-151)	7.0	5.0	5.7	8.0	6.7	7.7	8.0	7.3	6.7	6.0	7.2	
ATF 1736	7.0	5.7	6.3	8.0	6.3	7.0	7.3	7.0	7.0	7.0	7.1	
ATF 1754	6.7	5.0	6.3	7.7	7.3	7.0	7.7	6.7	6.7	6.7	7.1	
BIZEM	7.0	5.0	5.7	7.7	7.0	7.0	7.7	7.0	6.7	6.7	7.1	
FESNOVA	7.3	5.7	6.0	8.0	7.0	7.0	7.7	7.0	6.7	6.3	7.1	
IS-TF 272	7.7	4.3	6.3	8.0	6.7	6.7	7.0	7.0	7.3	7.3	7.1	
JS 819	7.0	5.3	5.0	7.3	7.3	7.7	8.3	6.7	6.3	6.0	7.1	
MEMPHIS (GO-DFR)	7.7	4.7	6.0	6.7	7.0	7.7	8.0	7.3	7.0	6.3	7.1	
MET 1	6.7	5.3	5.3	8.7	7.3	7.3	7.7	6.7	6.3	6.0	7.1	
MET-3	7.0	6.0	6.0	8.3	7.3	7.0	7.3	7.0	6.7	6.3	7.1	
RAD-TF-89	7.3	4.7	5.0	8.0	7.3	7.3	7.3	6.7	6.7	6.3	7.1	
REFLECTION (U45)	7.0	5.3	6.0	8.3	7.3	7.0	8.0	6.3	6.0	6.7	7.1	
TEMPLE (DZ1)	6.3	5.0	5.0	8.3	7.0	7.7	8.0	6.7	6.3	5.7	7.1	
TEMPTATION (OR-21)	7.0	5.0	5.7	7.7	7.0	7.3	8.7	7.0	6.3	6.0	7.1	
TRAVERSE 2 SRP (W45)	6.0	5.3	6.0	8.7	7.0	7.0	7.7	6.7	6.7	6.3	7.1	
ATF 1612	7.3	5.7	5.3	8.0	6.7	7.7	8.3	7.0	5.7	6.0	7.0	
BLOODHOUND (MET 6 SEL)	6.7	5.7	6.3	7.7	6.7	7.0	7.3	7.0	6.7	6.3	7.0	
CAESAR (TY 10)	7.0	5.7	5.7	8.3	7.0	6.7	7.3	6.7	6.3	6.3	7.0	
DIABLO (IS-TF 330)	6.7	4.3	5.7	8.3	7.0	7.0	8.0	7.0	6.0	6.0	7.0	
FIRECRACKER SLS (PPG-TF-105)	6.7	4.7	6.0	7.7	6.7	7.0	7.3	6.7	6.7	6.7	7.0	
GRANDE 3	6.3	6.0	5.3	8.3	6.7	7.7	7.7	6.7	6.0	6.3	7.0	
HOUNDOG8 (IS-TF 307 SEL)	7.0	4.3	4.7	8.3	7.7	7.7	8.0	6.3	5.3	5.7	7.0	
IS-TF 311	6.7	5.7	5.7	8.0	7.0	7.0	7.3	6.7	6.3	6.3	7.0	

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/  
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS							MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	
JS 916	6.3	5.0	5.3	8.0	7.3	7.3	8.0	6.3	5.7	6.0	7.0
KINGDOM (DB1)	6.7	4.0	6.0	8.0	7.3	7.3	7.7	6.7	6.0	6.0	7.0
MAESTRO (T31)	6.3	6.0	5.3	8.3	7.0	7.7	7.3	6.0	6.0	6.3	7.0
PPG-TF-138	6.7	5.7	5.3	8.7	7.0	7.3	8.3	6.3	5.7	6.0	7.0
RAD-TF-83	7.7	5.3	6.0	7.7	7.0	6.7	7.3	7.0	7.0	6.3	7.0
REGENERATE	7.3	5.7	6.3	8.7	7.3	7.3	7.3	6.3	6.3	6.0	7.0
SALTILLO (PST-5SALT)	6.0	4.0	6.0	7.3	7.0	7.3	8.0	6.7	6.3	6.3	7.0
204 RES. BLK4	5.7	6.0	6.3	7.7	6.0	7.0	7.0	6.7	7.0	6.7	6.9
4TH MILLENNIUM SRP (U43)	6.3	5.7	6.0	8.3	6.7	6.7	7.3	6.7	6.3	6.0	6.9
ANNIHILATOR	6.7	4.3	5.7	7.3	6.3	6.7	7.7	6.7	6.7	7.0	6.9
BAR FA 121091	7.0	5.3	6.3	7.0	6.3	6.7	7.0	7.0	7.0	7.0	6.9
COMP. RES. SST	6.0	4.3	5.7	7.3	7.3	7.0	7.3	6.3	6.3	6.7	6.9
EMBRACE (PST-5EV2)	6.3	5.0	5.3	7.3	7.0	7.3	7.3	6.7	6.3	6.3	6.9
F711	6.7	5.3	5.0	8.7	7.0	7.0	7.0	6.3	5.7	6.3	6.9
FAITH	7.0	5.7	6.0	8.0	7.7	6.7	7.7	6.3	6.0	6.0	6.9
IS-TF 308 SEL	6.7	5.0	5.7	8.0	6.7	6.7	7.7	6.3	6.7	6.3	6.9
PPG-TF-115	7.3	5.0	5.7	8.0	6.7	6.7	7.0	6.7	6.7	6.3	6.9
PPG-TF-135	6.3	5.3	5.0	8.0	7.0	7.3	8.3	6.3	5.7	5.3	6.9
PST-5BPO	6.0	5.3	6.0	7.7	6.7	7.0	7.0	7.0	6.7	6.3	6.9
PST-5MVD	7.7	5.3	6.0	7.7	6.7	7.0	7.3	6.7	6.7	6.3	6.9
RAD-TF-92	7.3	5.3	6.0	8.0	7.0	7.0	7.3	6.7	6.3	6.0	6.9
ROWDY (SRX-TPC)	7.0	4.7	5.3	7.7	7.0	7.7	7.7	6.7	5.3	6.0	6.9
TITANIUM 2LS (PPG-TF-152)	7.0	5.3	5.3	7.7	6.7	7.0	7.3	7.0	6.0	6.3	6.9
UNITUS (IS-TF 289)	6.7	4.3	5.0	8.0	7.3	7.3	8.3	6.7	5.3	5.3	6.9
XTENDER (PPG-TF-139)	6.3	5.3	5.7	8.3	7.3	7.3	8.0	6.0	5.7	5.3	6.9
AVENGER II (PPG-TF-156)	7.0	6.0	6.0	7.7	6.3	6.7	6.7	6.7	6.7	6.7	6.8
BAR FA 121089	6.7	4.7	5.7	7.7	6.3	7.0	8.0	6.7	6.3	5.7	6.8
CROSSFIRE 4 (IS-TF 310 SEL)	6.3	4.7	5.3	8.3	6.7	6.7	7.3	6.3	6.3	6.0	6.8
JS 809	6.7	4.3	5.3	8.0	6.7	7.3	7.7	6.3	5.7	6.0	6.8
JS 825	6.7	4.0	5.0	7.0	6.7	7.0	7.7	6.7	6.0	6.3	6.8
PARAMOUNT (PPG-TF-137)	7.0	5.7	5.0	8.0	7.0	7.7	7.7	6.0	5.7	5.7	6.8
ROCKWELL (LTP-TWUU)	7.0	6.3	6.7	7.7	6.3	7.0	7.0	6.3	6.7	6.7	6.8
THOR (PPG-TF-157)	7.0	5.3	5.3	8.0	7.3	6.7	7.0	6.3	6.0	6.3	6.8
AMITY (CCR2)	7.0	6.0	5.3	8.0	7.0	7.0	7.3	6.3	6.0	5.3	6.7
BULLSEYE	7.0	5.3	5.3	8.0	7.0	7.3	7.3	6.0	5.0	6.0	6.7
DYNAMITE LS (PPG-TF-145)	7.3	4.7	5.0	8.0	7.0	7.3	7.0	6.3	5.3	6.0	6.7
K12-13	6.3	3.7	5.0	7.0	7.0	7.3	8.0	6.3	5.7	5.7	6.7
K12-MCD	6.7	4.7	6.0	7.7	7.3	7.0	7.3	6.0	5.7	6.0	6.7
LEONARDO (LTP-FSD)	6.0	5.0	5.7	7.7	6.3	6.7	7.3	6.3	6.3	6.3	6.7
MARAUDER	6.7	5.0	6.0	6.7	6.7	7.0	7.3	6.7	6.3	6.3	6.7
IS-TF-287	6.7	5.3	5.0	8.0	6.7	7.0	7.0	6.3	5.3	5.7	6.6
JS 818	6.3	4.0	5.0	7.7	7.0	6.7	7.3	6.3	5.7	5.7	6.6
K12-05	7.7	4.3	6.3	6.7	6.3	6.3	7.0	6.7	6.7	6.3	6.6
PSG-TT4	6.7	4.3	5.7	7.3	6.3	6.7	7.0	6.3	6.3	6.3	6.6
VALKYRIE LS (PPG-TF-172)	6.7	5.3	5.0	8.3	6.7	7.0	7.3	6.0	5.3	5.7	6.6

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/  
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT		
WARHAWK	6.3	4.3	5.7	7.3	6.7	6.7	6.7	6.3	6.3	6.3	6.6	
ATF 1704	6.7	5.0	5.7	7.0	6.0	6.0	7.0	6.3	6.3	7.0	6.5	
FALCON IV	7.0	5.3	5.0	7.7	6.3	6.7	7.0	6.3	5.7	5.7	6.5	
FAYETTE (IS-TF 291)	6.3	5.3	5.0	8.0	7.0	7.0	7.7	5.7	5.3	5.0	6.5	
RAIN DANCE (PST-5SDT)	6.3	6.0	6.0	6.7	6.3	6.7	7.0	6.3	6.3	6.3	6.5	
ARES (PPG-TF-142)	7.0	5.0	4.3	7.3	6.7	7.0	8.0	6.0	4.7	5.3	6.4	
BAR FA 121095	6.3	4.0	6.0	6.7	6.7	7.0	7.3	6.3	5.3	5.7	6.4	
NIGHTCRAWLER (IS-TF 285)	6.7	4.0	5.3	8.3	6.3	6.3	6.7	6.0	5.7	5.7	6.4	
PST-5DZP	6.7	5.0	5.0	7.0	6.3	6.7	7.3	6.3	5.3	5.7	6.4	
IS-TF 276 M2	6.7	5.0	5.7	8.0	6.3	6.3	6.3	6.0	5.7	5.7	6.3	
MERIDIAN (PST-5GRB)	6.0	4.7	5.3	7.3	6.7	7.0	7.0	5.7	5.0	5.3	6.3	
SCREAMER LS (PPG-TF-148)	6.3	6.0	5.7	7.3	6.0	6.0	6.3	6.3	6.3	6.0	6.3	
TERRANO	7.3	4.7	4.3	7.3	7.0	7.3	7.3	5.7	4.7	5.0	6.3	
FRONTLINE (EXP TF-09)	7.0	5.3	6.0	7.0	6.0	6.0	6.0	5.7	6.3	6.3	6.2	
AQUADUCT	6.7	4.0	6.0	7.0	5.3	5.7	6.7	6.0	6.0	6.3	6.1	
B23	7.3	6.0	3.7	8.0	6.7	6.7	7.0	5.7	4.0	5.0	6.1	
CATALYST	6.7	6.0	5.0	7.7	6.3	6.3	6.7	6.0	5.0	5.0	6.1	
INSPIRATION (PST-R5NW)	6.7	5.7	6.0	6.7	5.7	6.3	6.7	6.0	5.7	6.0	6.1	
PSG-GSD	7.0	5.3	4.3	7.3	6.7	6.7	7.7	5.3	4.3	4.7	6.1	
PST-5EX2	6.3	6.0	5.7	6.3	5.3	6.0	7.0	6.3	6.3	5.7	6.1	
FALCON V	6.3	6.0	4.3	7.7	6.3	6.7	7.3	5.3	4.0	4.7	6.0	
PSG-8BP2	6.7	4.7	4.3	7.7	6.0	6.0	6.3	5.7	4.7	5.0	5.9	
RHAMBLER 2 SRP (LSD)	6.7	5.3	3.7	8.0	6.3	6.3	7.7	5.3	3.3	4.0	5.9	
SWAGGER (PST-5R05)	6.0	4.7	4.7	6.7	5.3	6.0	6.3	5.0	5.3	5.7	5.8	
BAR FA 120878	5.3	5.3	5.7	5.0	5.0	5.0	5.3	4.3	5.0	5.0	5.0	
KY-31	3.3	6.0	4.0	3.0	3.0	2.3	3.0	3.7	4.0	3.7	3.2	
LSD VALUE	1.2	1.2	1.5	1.0	1.2	1.3	1.9	1.2	1.7	2.1	0.8	
C.V. (%)	9.5	12.8	13.5	7.8	9.9	10.4	12.3	10.0	14.4	14.6	7.0	

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

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

TABLE 6.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT GROWN UNDER SHADE AT CARBONDALE, IL 1/  
2016 DATA

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

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
ROWDY (SRX-TPC)	77.7	77.0	4.3	7.7	6.7	7.0	6.0	6.0	7.0	7.7	6.0	6.5
SCREAMER LS (PPG-TF-148)	88.0	54.3	5.0	7.7	6.3	7.0	7.0	6.7	7.0	6.0	5.3	6.4
FIRECRACKER SLS (PPG-TF-105)	78.7	62.3	5.3	6.3	5.7	6.0	5.3	6.3	7.0	5.7	6.0	6.0
PSG-TT4	80.7	79.3	3.7	5.7	5.3	5.7	6.0	6.0	7.3	7.3	7.0	6.0
TRAVERSE 2 SRP (W45)	85.3	67.0	4.3	6.0	6.7	7.0	7.0	6.3	7.0	6.0	4.0	6.0
MAESTRO (T31)	72.3	58.3	4.3	6.3	6.0	6.3	5.7	5.3	6.7	6.0	5.3	5.8
VALKYRIE LS (PPG-TF-172)	81.0	52.7	4.3	6.0	5.7	6.0	6.0	6.0	6.3	6.0	6.0	5.8
BIZEM	75.3	65.3	4.0	6.0	5.7	6.0	6.3	6.3	6.7	6.0	4.7	5.7
MERIDIAN (PST-5GRB)	84.0	31.3	4.0	5.7	6.0	7.3	7.0	6.0	6.0	4.7	4.7	5.7
TEMPTATION (OR-21)	61.7	64.0	2.7	5.3	6.0	6.0	5.7	5.7	6.7	6.3	5.0	5.5
4TH MILLENNIUM SRP (U43)	63.0	66.0	3.7	6.3	5.3	4.7	5.0	6.0	6.0	6.0	6.0	5.4
HOVER (BURL TF-69)	35.7	74.0	3.0	4.7	3.3	4.7	5.7	6.7	7.0	6.7	6.0	5.3
FOXHOUND (IS-TF 284 M2)	60.0	73.7	4.0	4.3	5.3	5.0	5.0	5.0	5.7	7.0	5.3	5.2
GTO (BURL TF-2)	67.7	47.3	4.0	6.0	6.0	5.7	4.7	4.0	6.3	5.3	4.3	5.1
PST-5BRK	79.7	18.7	5.0	6.0	6.7	6.7	5.3	4.0	3.7	4.3	4.0	5.1
ATF 1736	66.0	31.7	4.0	5.7	5.7	6.0	5.3	4.3	5.3	4.3	4.0	5.0
F711	69.0	69.0	3.3	5.0	5.0	5.0	4.7	5.3	6.3	6.0	4.0	5.0
MET-3	65.3	56.0	3.3	5.7	5.3	5.0	4.7	5.0	6.0	5.3	4.7	5.0
XTENDER (PPG-TF-139)	57.0	51.3	3.3	5.7	5.3	5.3	5.0	4.7	5.7	5.7	4.7	5.0
FAYETTE (IS-TF 291)	65.3	37.7	3.7	5.0	6.0	5.3	5.0	5.0	5.0	5.0	4.0	4.9
ATF 1704	66.7	17.0	5.0	6.3	6.0	5.7	4.7	4.0	3.3	4.3	3.7	4.8
BULLSEYE	57.0	59.0	2.7	5.0	4.7	4.3	4.7	5.0	6.0	6.0	4.7	4.8
HOUNDOG8 (IS-TF 307 SEL)	74.3	43.7	4.0	4.3	5.0	5.7	5.3	4.7	5.3	4.7	4.0	4.8
KINGDOM (DB1)	61.7	49.3	3.7	4.0	5.0	4.7	4.7	5.3	6.0	5.0	5.0	4.8
MICHELANGELO (LTP-F5DPDR)	48.0	50.0	3.7	5.7	5.7	4.7	4.3	4.3	5.7	5.7	3.7	4.8
PSG-GSD	49.3	55.3	3.3	4.3	4.7	4.7	4.7	4.7	5.7	5.7	5.7	4.8
PST-5EX2	79.7	31.0	3.3	5.7	6.7	6.3	5.0	4.0	3.7	5.0	3.7	4.8
THUNDERSTRUCK (TD1)	59.0	40.7	3.3	4.3	4.7	6.0	5.3	4.7	5.7	4.7	4.3	4.8
ANNIHILATOR	61.7	38.7	4.0	5.0	5.0	4.3	4.3	5.0	5.0	5.0	4.3	4.7
B23	49.7	47.3	3.7	4.3	6.3	5.0	4.3	4.0	5.0	5.0	4.7	4.7
NIGHTCRAWLER (IS-TF 285)	52.0	56.3	3.0	3.7	3.3	4.3	5.3	5.7	5.7	6.3	5.0	4.7
FAITH	43.3	61.0	2.3	4.0	4.0	4.3	5.0	5.3	6.0	5.7	5.0	4.6
IS-TF-287	56.7	32.7	4.0	6.0	4.7	4.7	4.7	4.3	4.7	4.7	3.7	4.6
JS 809	64.0	41.0	3.0	5.0	5.0	5.0	5.0	4.3	4.7	4.3	5.0	4.6
RAD-TF-83	46.3	54.0	3.0	4.7	4.0	4.3	4.0	4.3	5.7	6.0	5.0	4.6
W41	47.7	41.0	3.0	5.0	4.7	4.7	4.7	4.7	5.3	4.0	5.0	4.6
BAR FA 121089	68.7	25.3	4.3	6.7	5.7	5.3	4.3	3.3	4.0	4.0	3.0	4.5
CATALYST	56.3	36.7	3.3	4.7	5.0	5.3	5.0	4.0	5.0	4.3	4.0	4.5
CROSSFIRE 4 (IS-TF 310 SEL)	47.3	47.0	3.7	5.0	4.3	4.3	4.3	4.7	5.0	5.0	4.3	4.5
GRANDE 3	51.3	32.3	3.0	4.7	5.7	5.7	5.0	4.3	4.3	4.0	4.0	4.5
LEONARDO (LTP-FSD)	49.3	38.3	4.0	5.0	4.7	4.7	4.0	4.3	5.0	4.7	4.0	4.5
ATF 1754	55.7	49.3	3.3	5.0	5.0	4.7	4.3	4.0	4.3	5.3	3.3	4.4
BAR FA 121095	50.0	34.7	3.0	5.0	5.3	4.7	4.0	4.0	5.7	4.3	4.0	4.4
DIABLO (IS-TF 330)	65.0	22.7	3.3	5.0	5.3	5.3	5.0	4.3	4.0	3.7	3.7	4.4
FIREBIRD 2	60.7	47.0	3.7	5.0	5.0	4.7	4.3	4.3	5.0	4.3	3.7	4.4



TABLE 6. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT GROWN UNDER SHADE AT CARBONDALE, IL 1/  
2016 DATA

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

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
HOT ROD (BURL TF-136)	37.7	43.0	3.3	4.7	4.3	4.7	4.3	4.3	5.0	5.0	4.0	4.4
JS 819	35.0	41.0	3.7	4.3	3.7	3.3	4.3	5.0	5.7	5.7	4.0	4.4
REBOUNDER (PICK-W43)	59.0	30.7	3.7	5.3	5.7	4.7	3.7	3.3	4.3	5.3	3.7	4.4
SALTILLO (PST-5SALT)	54.7	44.7	3.0	4.0	4.0	5.3	5.0	4.3	5.0	4.7	4.0	4.4
ATF 1612	64.0	26.0	4.7	5.0	4.7	4.0	4.3	4.7	4.7	4.0	3.0	4.3
IS-TF 269 SEL	46.0	51.0	2.7	4.0	5.0	5.0	4.3	4.0	5.0	5.0	4.0	4.3
RAIN DANCE (PST-5SDT)	53.0	32.0	4.0	5.7	5.3	4.7	4.0	3.3	4.0	4.0	4.0	4.3
TITANIUM 2LS (PPG-TF-152)	62.7	33.7	3.3	3.7	4.0	5.0	4.7	4.3	5.7	4.3	4.0	4.3
MET 1	57.7	18.7	3.3	5.0	5.3	4.7	4.0	3.7	4.7	4.0	3.3	4.2
REFLECTION (U45)	60.7	26.0	2.7	4.7	4.0	5.0	4.7	4.3	4.3	4.3	3.7	4.2
SUPERSONIC (PPG-TF-170)	59.3	35.3	3.7	4.7	5.3	5.3	4.3	3.0	4.3	4.3	3.0	4.2
TECHNIQUE (RZ2)	58.0	16.3	3.7	4.7	5.3	5.3	4.3	3.7	3.7	4.0	3.3	4.2
EMBRACE (PST-5EV2)	66.3	19.7	3.3	4.3	5.3	4.3	4.3	4.3	4.3	3.7	3.3	4.1
FIREWALL (PSG-WE1)	58.3	9.3	3.3	5.7	5.3	4.3	4.3	4.0	3.7	3.7	2.7	4.1
IS-TF 308 SEL	40.7	42.7	2.3	4.0	3.3	4.3	4.0	5.3	4.7	4.7	4.0	4.1
PST-5DZP	19.0	59.0	2.3	2.7	4.0	3.7	4.0	5.0	5.7	5.3	4.7	4.1
PST-5MVD	56.3	31.3	3.0	4.7	4.3	5.0	4.7	4.0	3.7	3.3	4.0	4.1
THOR (PPG-TF-157)	39.3	37.0	3.0	3.3	4.7	4.0	3.7	4.3	6.0	5.0	3.3	4.1
PST-5BPO	75.0	9.0	4.3	6.3	6.0	4.0	3.7	3.0	3.0	3.0	2.3	4.0
WICHITA (PPG-TF-151)	53.0	21.0	3.3	4.7	4.7	4.0	3.7	4.0	4.7	4.0	3.0	4.0
CAESAR (TY 10)	45.3	22.3	3.0	5.0	5.0	4.3	4.0	3.3	3.7	4.0	3.0	3.9
FRONTLINE (EXP TF-09)	48.0	22.7	3.3	4.7	4.7	4.0	3.7	4.0	3.7	4.0	3.3	3.9
HEMI	46.3	48.7	2.7	4.0	3.3	3.7	3.7	4.3	4.7	5.0	3.7	3.9
REGENERATE	58.3	44.7	3.0	3.7	4.3	4.3	4.3	4.0	4.0	4.0	3.7	3.9
TEMPLE (DZ1)	38.7	21.7	3.0	4.3	4.3	4.7	4.0	3.7	3.3	3.7	3.0	3.8
AVENGER II (PPG-TF-156)	36.0	29.3	2.7	3.3	3.3	4.0	3.7	4.0	4.3	4.0	3.7	3.7
BAR FA 121091	38.0	21.0	2.7	3.3	3.0	4.3	4.3	4.0	5.0	3.3	3.7	3.7
IS-TF 272	38.0	29.3	3.3	4.3	3.7	4.3	3.7	3.3	3.3	3.7	3.3	3.7
JS 916	41.7	45.0	2.7	3.3	4.0	4.7	3.7	3.3	4.0	4.0	3.3	3.7
K12-MCD	71.0	26.0	3.3	4.7	4.7	3.7	3.7	3.7	3.7	3.3	3.0	3.7
KY-31	36.0	27.7	2.3	4.0	3.7	4.0	4.0	4.3	4.3	3.3	3.0	3.7
PARAMOUNT (PPG-TF-137)	46.3	15.7	3.3	4.3	4.3	4.7	3.7	3.0	3.0	3.0	3.7	3.7
PPG-TF-169	55.0	13.3	4.0	5.0	4.7	4.0	3.3	3.0	3.7	2.7	3.0	3.7
ROCKWELL (LTP-TWUU)	49.7	18.3	3.0	4.7	5.3	4.0	3.3	3.3	3.3	3.3	3.3	3.7
OLYMPUS (RAD-TF-88)	28.7	38.3	2.7	3.0	3.0	3.3	3.7	4.0	5.0	4.0	4.0	3.6
TERRANO	46.7	12.3	3.0	4.0	4.7	4.3	3.7	3.7	3.3	2.7	3.0	3.6
WARHAWK	61.0	25.3	3.0	4.7	5.3	4.3	3.3	3.0	2.7	3.3	2.3	3.6
FALCON V	53.3	13.3	3.3	4.7	4.3	3.7	3.3	3.0	3.0	3.0	3.3	3.5
MEMPHIS (GO-DFR)	35.7	28.7	2.7	3.3	3.7	4.0	3.7	3.3	3.7	3.7	3.3	3.5
AMITY (CCR2)	52.3	18.0	2.7	3.7	4.0	4.0	3.3	3.3	4.0	3.0	3.0	3.4
FESNOVA	57.7	0.3	4.7	7.3	6.0	3.3	3.0	2.3	2.0	1.0	1.3	3.4
AQUADUCT	42.7	5.3	2.7	4.7	5.3	3.7	3.3	2.7	2.3	2.7	2.3	3.3
FALCON IV	38.3	26.3	3.0	4.0	3.7	3.3	2.7	2.7	3.0	3.7	3.3	3.3
RAD-TF-89	55.3	8.3	2.7	4.0	5.0	4.3	3.7	2.7	2.7	2.3	2.3	3.3
RHAMBLER 2 SRP (LSD)	37.7	14.3	3.3	4.0	5.7	4.0	2.7	2.3	2.3	2.7	2.3	3.3

TABLE 6. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT GROWN UNDER SHADE AT CARBONDALE, IL 1/  
2016 DATA

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

NAME	PERCENT COVER SPRING	PERCENT COVER SUMMER	QUALITY RATINGS									MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
RHIZING MOON (IS-TF 305 SEL)	45.0	9.0	3.0	4.3	5.0	3.7	3.0	2.3	2.3	3.3	2.7	3.3
BLOODHOUND (MET 6 SEL)	46.7	13.7	3.7	4.7	3.7	3.3	3.0	2.3	3.0	2.7	2.3	3.2
MARAUDER	31.7	21.0	2.3	2.7	3.7	3.3	3.7	3.7	3.0	3.3	3.3	3.2
PSG-P01	52.0	3.3	3.3	5.0	4.3	4.0	3.3	2.7	2.0	2.3	2.0	3.2
TURFWAY (IS-TF 282 M2)	52.3	16.0	2.7	3.7	4.0	4.3	3.3	2.7	3.0	2.7	2.7	3.2
K12-13	39.7	9.3	2.3	3.7	3.7	3.3	3.7	3.0	3.0	2.7	2.3	3.1
PPG-TF-138	53.0	1.3	3.7	4.7	4.7	3.7	3.3	2.7	1.7	2.0	1.7	3.1
BLACK TAIL (PPG-TF-150)	60.3	0.3	3.0	4.3	4.7	4.0	3.0	2.7	2.3	1.7	1.7	3.0
JS 818	42.0	6.7	3.0	3.3	3.7	3.7	3.0	2.7	2.7	2.3	2.3	3.0
PPG-TF-115	53.0	1.0	3.3	4.7	4.0	4.0	3.3	2.7	2.0	1.7	1.3	3.0
204 RES. BLK4	20.7	19.3	2.7	3.0	3.0	2.7	2.7	2.3	3.0	3.3	3.0	2.9
RAD-TF-92	42.0	1.0	2.7	4.7	3.7	3.0	3.0	2.7	2.7	1.7	1.7	2.9
COMP. RES. SST	22.3	18.7	1.7	2.7	2.7	3.3	3.0	2.7	3.3	2.7	3.0	2.8
DYNAMITE LS (PPG-TF-145)	39.0	13.3	2.0	2.7	2.7	2.7	2.7	3.0	3.0	3.0	2.7	2.7
JS 825	34.7	11.0	2.3	3.0	3.0	3.3	2.7	2.3	2.7	2.7	2.7	2.7
K12-05	23.7	14.0	1.7	2.3	2.0	3.0	2.7	3.3	3.0	3.0	3.3	2.7
PSG-8BP2	49.3	1.3	2.3	3.0	3.3	4.0	3.3	2.7	2.7	1.7	1.7	2.7
BAR FA 120878	9.7	21.7	1.0	2.7	2.3	2.3	2.7	2.7	3.0	3.3	2.7	2.5
IS-TF 276 M2	48.0	3.7	3.0	4.3	4.0	2.3	2.0	2.0	1.3	2.0	1.7	2.5
INSPIRATION (PST-R5NW)	31.0	1.3	2.3	3.0	3.3	2.3	2.7	2.7	2.3	1.7	1.3	2.4
PPG-TF-135	23.7	9.3	1.7	2.3	3.3	2.7	2.3	2.3	2.7	2.3	2.0	2.4
SWAGGER (PST-5R05)	8.3	4.0	1.7	2.3	1.7	2.0	2.7	3.3	2.7	2.3	2.3	2.3
ARES (PPG-TF-142)	29.7	0.7	2.0	2.3	2.7	2.7	2.7	2.7	2.3	1.3	1.3	2.2
IS-TF 311	37.0	0.3	2.3	3.0	3.7	3.0	2.7	1.7	1.7	1.0	1.0	2.2
RAPTOR III (ZW 44)	31.3	0.3	3.7	4.0	2.7	2.0	1.7	1.3	1.0	1.3	1.3	2.1
UNITUS (IS-TF 289)	37.7	1.0	2.0	2.7	2.3	2.0	1.7	2.0	1.7	1.3	1.7	1.9
LSD VALUE	79.9	31.3	2.5	4.3	4.7	3.7	2.9	3.0	2.9	2.4	2.1	2.4
C.V. (%)	47.7	60.4	32.5	36.0	35.6	34.4	33.2	36.7	37.1	34.3	33.6	29.1

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 7.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT WEST LAFAYETTE, IN 1/  
2016 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	BROWN PATCH WARM TEMP.	QUALITY RATINGS						MEAN
					MAY	JUN	JUL	AUG	SEP	OCT	
REGENERATE	7.7	6.0	6.3	7.3	6.3	6.3	6.7	8.3	8.0	7.3	7.2
HEMI	6.7	6.0	7.0	6.7	7.7	6.7	6.7	7.0	7.3	7.3	7.1
4TH MILLENNIUM SRP (U43)	7.3	6.7	6.7	7.7	6.7	6.7	6.7	8.0	7.3	6.7	7.0
F711	7.3	6.0	6.3	7.7	6.7	7.0	6.3	7.3	7.0	7.0	6.9
PARAMOUNT (PPG-TF-137)	7.3	6.0	6.3	7.3	7.0	6.3	6.3	7.3	6.7	8.0	6.9
AVENGER II (PPG-TF-156)	7.0	6.3	6.7	7.7	6.7	6.7	6.7	7.3	6.7	6.7	6.8
HOUNDOG8 (IS-TF 307 SEL)	7.3	6.3	6.7	7.7	6.0	6.7	6.7	7.3	7.0	7.0	6.8
BIZEM	6.3	6.0	6.7	7.7	6.3	6.7	6.0	7.3	7.0	6.7	6.7
CATALYST	7.3	6.0	6.0	7.7	6.7	6.0	6.7	7.0	7.0	6.7	6.7
FIREBIRD 2	7.0	6.3	6.7	6.7	6.3	6.3	6.7	7.3	6.7	6.7	6.7
IS-TF 308 SEL	7.0	6.3	6.7	7.3	6.0	6.7	6.7	7.7	7.0	6.3	6.7
MAESTRO (T31)	7.0	6.0	5.7	7.0	6.3	7.0	6.3	7.0	7.0	6.7	6.7
MET-3	6.3	6.0	6.7	7.0	6.0	7.0	6.0	6.7	7.0	7.3	6.7
REFLECTION (U45)	7.0	6.7	7.3	7.0	6.3	6.3	6.3	7.3	6.7	7.3	6.7
TECHNIQUE (RZ2)	7.3	6.3	6.7	6.3	6.0	7.0	6.0	7.3	7.0	7.0	6.7
THOR (PPG-TF-157)	6.7	6.3	7.0	6.3	6.3	6.3	6.3	7.7	6.3	7.0	6.7
EMBRACE (PST-5EV2)	7.3	6.3	6.7	7.7	6.3	6.0	6.7	7.7	6.3	6.7	6.6
FIREWALL (PSG-WE1)	7.3	5.7	5.7	7.7	5.7	6.3	6.7	7.3	6.7	6.7	6.6
IS-TF 311	6.7	6.0	6.3	7.7	6.3	6.0	6.0	7.3	6.7	7.0	6.6
PPG-TF-169	7.0	6.0	6.3	6.7	6.7	6.3	6.3	7.0	6.3	6.7	6.6
RAPTOR III (ZW 44)	6.7	6.0	6.0	7.0	5.3	6.7	6.3	7.0	7.0	7.3	6.6
ROCKWELL (LTP-TWUU)	6.3	5.7	6.3	7.7	6.0	6.7	6.3	7.3	6.7	6.3	6.6
ROWDY (SRX-TPC)	7.7	5.7	6.7	8.0	6.3	6.7	6.0	7.7	6.7	6.0	6.6
SCREAMER LS (PPG-TF-148)	7.3	6.0	6.7	7.3	6.0	6.3	5.7	7.3	7.3	7.0	6.6
TITANIUM 2LS (PPG-TF-152)	7.7	6.0	6.7	7.7	6.0	6.0	6.3	7.0	7.0	7.0	6.6
W41	7.0	6.0	6.7	7.0	6.0	6.0	6.7	7.3	7.0	6.7	6.6
WICHITA (PPG-TF-151)	6.7	5.7	6.7	7.7	6.3	6.7	6.0	7.3	6.7	6.7	6.6
XTENDER (PPG-TF-139)	7.3	6.7	6.3	8.0	6.7	6.3	6.3	7.3	6.3	6.7	6.6
ATF 1704	7.0	5.7	6.3	7.0	6.0	6.3	6.3	7.0	6.3	7.0	6.5
BLACK TAIL (PPG-TF-150)	6.7	6.0	7.0	7.3	6.7	6.0	6.3	7.0	6.3	6.5	6.5
BLOODHOUND (MET 6 SEL)	6.7	5.3	6.3	7.7	6.3	6.0	6.7	7.3	6.7	6.0	6.5
DIABLO (IS-TF 330)	7.3	5.7	6.7	7.3	6.7	6.3	6.0	7.0	6.3	6.7	6.5
RHAMBLER 2 SRP (LSD)	6.7	6.0	6.0	7.7	6.0	6.7	7.0	6.7	6.3	6.3	6.5
TEMPLE (DZ1)	7.3	5.7	6.0	7.7	6.0	6.3	6.0	6.7	7.0	7.0	6.5
ATF 1612	6.7	6.0	7.0	7.0	6.0	6.0	6.3	7.3	6.3	6.7	6.4
ATF 1754	6.0	5.7	6.3	7.0	6.3	6.0	6.0	6.3	7.0	6.7	6.4
B23	7.3	6.0	6.0	7.0	6.3	6.0	6.3	6.7	6.7	6.7	6.4
FIRECRACKER SLS (PPG-TF-105)	6.7	6.0	6.3	7.3	6.0	6.3	6.3	7.0	6.7	6.0	6.4
FOXHOUND (IS-TF 284 M2)	6.3	6.0	6.0	7.0	6.3	6.0	5.7	7.0	6.7	6.5	6.4
GRANDE 3	7.0	5.7	6.7	7.3	5.7	6.7	6.3	7.0	6.7	6.0	6.4
GTO (BURL TF-2)	7.0	5.3	5.7	8.7	6.0	6.0	6.0	6.7	7.0	6.7	6.4
HOT ROD (BURL TF-136)	7.0	5.7	6.3	8.3	5.7	5.7	6.0	7.3	6.7	7.3	6.4
NIGHTCRAWLER (IS-TF 285)	6.7	6.0	6.3	8.0	6.0	6.3	6.0	7.0	6.7	6.3	6.4
PPG-TF-135	6.7	6.0	6.0	7.0	6.0	6.7	6.0	7.3	6.3	6.3	6.4
PPG-TF-138	6.3	6.0	6.3	7.3	5.7	6.7	5.7	7.0	7.0	6.3	6.4

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/  
2016 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	BROWN PATCH WARM TEMP.	QUALITY RATINGS						MEAN
					MAY	JUN	JUL	AUG	SEP	OCT	
PSG-PO1	6.7	6.0	6.0	6.3	5.3	6.7	6.3	7.3	6.3	6.3	6.4
PST-5MVD	6.7	5.3	6.0	7.7	6.0	6.7	6.3	6.7	6.0	6.7	6.4
REBOUNDER (PICK-W43)	7.7	5.0	6.0	7.3	6.0	6.0	6.7	6.7	6.3	6.7	6.4
SALTILLO (PST-5SALT)	6.0	5.3	6.0	6.7	6.0	6.0	6.0	6.7	6.7	7.0	6.4
SUPERSONIC (PPG-TF-170)	7.0	5.7	5.7	7.7	6.0	6.0	5.7	7.0	6.3	7.3	6.4
THUNDERSTRUCK (TD1)	6.0	6.0	6.0	6.3	6.0	6.0	6.3	6.7	7.0	6.3	6.4
TRAVERSE 2 SRP (W45)	7.0	5.7	6.0	8.0	6.0	6.0	6.0	6.3	7.0	7.0	6.4
AMITY (CCR2)	6.7	6.0	7.0	7.3	6.0	6.0	6.0	6.7	6.7	6.7	6.3
FAYETTE (IS-TF 291)	7.3	6.0	5.7	8.0	6.3	6.0	6.0	7.7	6.0	6.0	6.3
FESNOVA	6.3	5.3	5.7	6.7	6.3	6.0	6.3	6.3	6.3	6.3	6.3
HOVER (BURL TF-69)	7.0	6.0	6.0	6.3	5.7	6.0	6.0	7.3	6.3	6.3	6.3
IS-TF 269 SEL	7.0	6.3	6.0	7.7	5.7	6.0	6.0	6.7	7.0	6.7	6.3
JS 916	7.0	6.0	6.0	7.7	6.0	6.0	6.3	6.7	6.3	6.7	6.3
K12-MCD	6.7	5.7	6.0	6.7	6.0	7.0	6.0	6.7	5.7	6.3	6.3
MET 1	7.0	5.7	6.0	7.7	6.3	6.7	5.7	6.7	6.0	6.7	6.3
PSG-TT4	5.3	5.3	6.0	7.0	6.0	6.3	6.0	6.7	6.0	6.7	6.3
VALKYRIE LS (PPG-TF-172)	7.0	5.3	6.0	7.7	5.3	6.0	6.0	6.7	6.7	7.0	6.3
BULLSEYE	7.0	6.0	6.0	7.7	6.0	6.3	5.7	6.7	6.3	6.0	6.2
DYNAMITE LS (PPG-TF-145)	7.3	6.0	5.3	7.7	5.3	6.7	6.0	7.3	5.7	6.0	6.2
K12-05	7.0	6.0	6.3	8.0	5.7	6.3	6.0	6.7	5.7	6.7	6.2
MEMPHIS (GO-DFR)	7.7	6.0	6.3	7.0	5.7	6.3	6.3	6.3	6.7	6.0	6.2
MICHELANGELO (LTP-F5DPDR)	7.0	5.7	5.7	8.0	6.0	6.0	6.3	7.0	6.0	6.0	6.2
OLYMPUS (RAD-TF-88)	7.0	6.3	7.0	7.0	5.3	6.3	6.7	6.7	6.0	6.0	6.2
PSG-GSD	6.3	5.3	6.0	7.0	6.3	6.3	6.0	6.3	5.7	6.7	6.2
PST-5BP0	6.3	6.0	6.0	7.3	6.3	6.3	6.0	6.3	6.3	6.0	6.2
PST-5BRK	6.3	5.7	6.3	7.0	6.0	6.3	6.0	6.7	6.0	6.3	6.2
PST-5DZP	6.3	6.0	5.7	7.3	5.7	6.3	5.7	6.7	7.0	6.0	6.2
TURFWAY (IS-TF 282 M2)	7.0	6.0	5.7	7.0	6.0	6.0	6.3	6.3	6.3	6.0	6.2
AQUADUCT	6.3	5.3	5.0	6.3	6.0	6.0	6.0	6.7	5.7	6.0	6.1
ARES (PPG-TF-142)	7.0	6.3	6.3	6.7	6.0	6.0	6.3	7.0	6.3	5.0	6.1
ATF 1736	7.7	4.7	5.3	7.7	6.0	6.0	6.0	6.3	6.0	6.0	6.1
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	5.7	5.7	7.3	5.7	6.0	6.0	6.7	6.3	5.7	6.1
FALCON V	6.7	6.0	5.3	7.7	5.7	6.0	6.3	7.0	6.3	5.3	6.1
IS-TF 276 M2	7.0	5.3	6.0	6.0	6.3	6.0	6.0	6.3	6.0	5.7	6.1
JS 818	6.7	5.7	6.3	6.7	6.0	6.0	6.0	7.0	5.7	5.7	6.1
LEONARDO (LTP-FSD)	6.7	6.0	6.0	7.0	6.0	6.0	5.7	6.7	6.0	6.0	6.1
MERIDIAN (PST-5GRB)	6.0	6.3	7.0	4.7	6.0	6.3	5.7	5.3	7.0	6.0	6.1
PPG-TF-115	6.3	6.0	5.7	7.3	6.0	6.0	5.7	6.0	6.3	6.7	6.1
PST-5EX2	6.7	5.3	5.3	7.7	5.3	6.0	5.7	6.7	6.3	6.7	6.1
RAIN DANCE (PST-5SDT)	6.3	6.0	6.0	7.0	5.7	6.0	6.0	6.3	6.7	5.7	6.1
RHIZING MOON (IS-TF 305 SEL)	6.7	5.7	6.3	7.7	5.7	6.0	5.7	6.7	6.0	6.3	6.1
TERRANO	6.0	5.7	5.7	7.3	5.7	6.0	5.7	7.0	6.0	6.3	6.1
FAITH	7.3	5.3	5.7	7.7	5.7	6.0	5.7	6.3	6.0	6.3	6.0
RAD-TF-89	6.3	6.0	6.3	7.0	5.3	6.0	5.7	6.3	6.3	6.3	6.0
RAD-TF-92	6.3	6.0	6.0	5.7	6.0	6.0	5.7	6.7	6.0	6.0	6.0

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/  
2016 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SUMMER DENSITY	BROWN PATCH WARM TEMP.	QUALITY RATINGS						MEAN	
					MAY	JUN	JUL	AUG	SEP	OCT		
BAR FA 121091	6.7	5.3	5.7	7.3	5.3	6.0	6.0	6.0	6.0	6.0	6.0	5.9
BAR FA 121095	6.0	6.0	5.7	7.0	6.0	5.7	5.0	6.3	6.3	6.0	6.0	5.9
FRONTLINE (EXP TF-09)	7.0	5.3	5.7	7.0	6.0	6.0	5.3	6.7	6.3	6.3	5.3	5.9
IS-TF 272	6.3	5.3	6.0	6.7	5.7	5.3	6.0	6.3	6.7	5.3	5.3	5.9
JS 819	6.3	5.7	6.0	6.3	6.0	6.0	6.0	6.3	6.0	5.3	5.3	5.9
KINGDOM (DB1)	6.7	5.7	5.7	7.0	4.7	5.3	6.0	7.0	6.3	6.0	6.0	5.9
CAESAR (TY 10)	7.3	5.0	5.3	6.3	5.3	5.7	6.0	6.3	5.7	6.0	6.0	5.8
SWAGGER (PST-5R05)	6.3	5.7	5.7	7.0	6.0	5.7	5.7	6.3	5.3	6.0	6.0	5.8
TEMPTATION (OR-21)	7.0	5.7	5.3	6.3	5.7	5.7	5.7	5.7	5.7	6.3	6.0	5.8
UNITUS (IS-TF 289)	6.7	5.7	6.0	7.7	5.3	6.0	6.0	6.3	5.7	5.7	5.7	5.8
INSPIRATION (PST-R5NW)	6.7	6.0	5.3	5.7	5.3	5.7	5.7	6.3	5.3	5.7	5.7	5.7
IS-TF 287	6.3	5.0	5.3	6.0	4.7	6.0	5.3	6.3	5.7	6.0	6.0	5.7
JS 809	7.0	6.3	5.3	6.0	5.7	6.0	5.7	6.0	5.3	5.7	5.7	5.7
PSG-8BP2	6.7	5.7	5.7	6.3	5.3	5.7	6.0	6.3	5.3	5.3	5.3	5.7
BAR FA 121089	6.0	5.3	5.0	6.7	5.7	5.3	5.0	6.3	6.0	5.3	5.3	5.6
FALCON IV	6.7	5.0	5.7	6.7	5.7	5.7	5.3	5.3	5.3	6.3	6.0	5.6
K12-13	6.3	5.7	5.7	6.0	5.3	5.3	5.7	6.0	6.0	5.3	5.3	5.6
RAD-TF-83	7.0	6.0	6.0	6.0	5.7	5.3	5.3	5.7	5.3	6.0	6.0	5.6
COMP. RES. SST	6.0	6.0	6.7	4.7	5.7	5.7	5.0	5.3	5.3	5.3	5.3	5.4
JS 825	6.3	5.0	5.3	6.3	5.7	5.3	5.3	6.3	5.0	4.7	4.7	5.4
204 RES. BLK4	6.3	5.7	5.7	3.3	5.7	6.0	5.0	5.0	4.7	5.3	5.3	5.3
ANNIHILATOR	6.3	5.7	5.3	5.7	5.7	5.3	5.0	5.3	5.0	5.3	5.3	5.3
MARAUDER	6.3	6.7	5.3	4.3	5.3	5.7	5.0	5.0	5.3	4.7	4.7	5.2
WARHAWK	6.0	5.7	5.0	5.0	5.3	5.3	5.3	5.3	4.7	5.3	5.3	5.2
BAR FA 120878	5.0	4.7	5.0	6.7	4.0	5.0	4.7	5.3	5.0	5.7	5.7	4.9
KY-31	4.0	3.0	4.0	7.0	4.0	4.3	4.0	4.0	5.0	4.0	4.0	4.2
LSD VALUE	1.3	1.2	1.3	1.4	1.4	1.9	1.0	1.3	1.2	1.1	1.1	0.6
C.V. (%)	9.7	10.0	10.8	11.6	10.9	10.7	9.1	10.9	10.3	10.1	10.1	6.0

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

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

TABLE 8.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT WICHITA, KS 1/  
2016 DATA

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

NAME	SPRING GREENUP	BROWN PATCH WARM TEMP.	QUALITY RATINGS								
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PARAMOUNT (PPG-TF-137)	5.7	5.7	5.7	8.0	7.0	6.0	5.7	5.7	6.0	5.3	6.2
4TH MILLENNIUM SRP (U43)	6.0	6.0	5.3	7.7	6.3	6.0	5.3	5.7	6.3	5.0	6.0
REBOUNDER (PICK-W43)	6.0	5.0	5.7	8.7	6.0	5.7	5.3	5.0	6.3	5.7	6.0
TEMPLE (DZ1)	5.3	5.7	5.3	8.7	6.7	5.7	5.3	5.7	6.0	5.0	6.0
AVENGER II (PPG-TF-156)	6.3	5.7	5.7	8.0	6.3	5.0	5.7	5.3	6.0	5.0	5.9
REGENERATE	6.3	5.3	6.0	8.3	6.3	5.7	5.0	5.0	5.7	5.0	5.9
TECHNIQUE (RZ2)	5.7	5.0	5.3	8.0	6.7	6.0	6.0	4.7	6.0	4.3	5.9
THOR (PPG-TF-157)	6.0	5.0	5.7	8.0	6.3	5.7	5.0	5.0	5.7	5.7	5.9
TRAVERSE 2 SRP (W45)	5.7	5.7	5.3	7.7	6.3	6.3	6.0	5.0	5.7	5.0	5.9
VALKYRIE LS (PPG-TF-172)	5.7	5.7	5.3	8.0	6.3	5.7	5.3	5.3	6.0	5.3	5.9
BLACK TAIL (PPG-TF-150)	5.0	5.3	5.7	8.0	6.0	5.7	5.3	4.7	6.0	5.0	5.8
F711	5.7	5.7	5.3	8.3	6.7	6.3	5.0	4.7	5.7	4.7	5.8
HOT ROD (BURL TF-136)	6.0	6.7	5.7	8.3	5.7	5.7	5.0	5.0	6.0	5.3	5.8
IS-TF 308 SEL	5.0	4.7	5.7	8.3	6.3	6.0	5.3	4.0	6.3	4.3	5.8
MET 1	6.0	5.3	5.7	7.3	6.0	6.0	5.0	5.0	6.0	5.0	5.8
MICHELANGELO (LTP-F5DPDR)	5.3	5.7	5.3	7.7	6.7	5.7	5.0	5.0	5.7	5.0	5.8
PPG-TF-138	5.7	5.7	6.0	7.7	6.3	5.3	5.3	5.0	5.7	5.0	5.8
PPG-TF-169	6.3	5.3	5.7	8.0	6.3	5.0	5.0	5.0	6.0	5.3	5.8
ROCKWELL (LTP-TWUU)	5.7	5.7	5.3	8.0	6.7	5.3	5.3	5.3	5.7	5.0	5.8
ATF 1612	5.3	4.7	5.7	8.3	6.3	6.0	5.3	4.3	5.3	4.3	5.7
BLOODHOUND (MET 6 SEL)	6.0	5.3	5.3	8.3	6.3	5.7	4.3	4.7	5.7	5.0	5.7
FESNOVA	5.3	5.7	5.3	7.3	6.7	5.3	5.3	4.7	5.3	5.3	5.7
FIRECRACKER SLS (PPG-TF-105)	4.7	4.7	5.3	8.0	6.7	6.0	5.0	4.0	5.7	5.0	5.7
FIREWALL (PSG-WE1)	5.7	5.3	5.3	8.0	6.3	5.7	4.0	5.3	5.7	5.0	5.7
HEMI	6.0	5.7	5.0	8.0	6.0	5.3	5.0	6.0	5.3	4.7	5.7
IS-TF 311	5.3	5.7	5.0	7.7	6.3	5.7	5.7	5.7	5.7	4.0	5.7
LEONARDO (LTP-FSD)	4.7	6.0	5.0	7.3	6.0	5.7	5.7	5.3	5.3	5.3	5.7
MET-3	5.7	5.0	5.0	8.0	6.0	5.7	5.3	5.0	5.7	4.7	5.7
PPG-TF-135	5.7	5.7	5.3	7.3	6.0	5.7	5.0	5.3	6.0	4.7	5.7
PSG-PO1	5.7	5.7	5.3	7.7	6.0	5.3	5.3	4.7	6.3	4.7	5.7
REFLECTION (U45)	5.7	5.7	5.0	8.0	6.0	5.7	4.7	5.3	6.0	5.0	5.7
SWAGGER (PST-5R05)	4.3	6.0	5.0	7.3	6.0	5.7	5.7	5.7	5.7	4.7	5.7
W41	5.3	5.0	5.3	7.7	6.0	5.3	4.7	4.7	6.3	5.7	5.7
AMITY (CCR2)	6.0	5.0	5.3	8.0	6.3	6.0	4.3	4.7	5.7	4.7	5.6
CROSSFIRE 4 (IS-TF 310 SEL)	5.0	5.3	5.3	8.0	6.3	5.7	5.0	4.7	5.7	4.3	5.6
EMBRACE (PST-5EV2)	4.7	6.0	5.3	8.0	5.7	5.0	4.7	5.0	6.3	4.7	5.6
FALCON V	6.0	5.7	5.3	8.0	6.3	5.3	5.3	5.3	5.0	4.3	5.6
GRANDE 3	6.0	5.3	5.0	8.0	6.3	5.7	4.7	5.0	6.0	4.3	5.6
HOVER (BURL TF-69)	5.0	5.3	5.0	8.0	6.3	6.0	5.3	4.7	5.3	4.0	5.6
JS 916	5.3	5.0	5.3	8.0	5.7	5.3	5.3	5.0	5.3	4.7	5.6
KINGDOM (DB1)	5.0	5.0	4.7	8.0	6.3	5.7	5.0	5.0	5.3	5.0	5.6
PSG-GSD	5.0	5.0	5.0	7.7	6.7	6.0	5.7	5.3	4.7	3.7	5.6
PST-5BRK	6.0	5.3	5.3	8.3	6.0	5.7	5.0	5.0	5.3	4.0	5.6
SUPERSONIC (PPG-TF-170)	5.7	5.3	5.7	7.7	6.0	5.7	4.3	4.7	5.7	5.0	5.6
TITANIUM 2LS (PPG-TF-152)	5.3	4.7	5.7	8.0	6.7	6.0	4.3	4.0	6.0	4.0	5.6

TABLE 8. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT WICHITA, KS 1/  
2016 DATA

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

NAME	SPRING GREENUP	BROWN PATCH WARM TEMP.	QUALITY RATINGS								MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
BIZEM	5.0	5.3	5.0	7.3	6.0	6.0	5.3	4.7	5.0	5.0	5.5
DIABLO (IS-TF 330)	5.0	4.7	5.3	8.0	6.3	5.3	5.3	4.3	5.3	4.3	5.5
DYNAMITE LS (PPG-TF-145)	4.3	5.7	5.0	8.0	6.3	5.3	5.3	4.3	5.3	4.3	5.5
FALCON IV	5.0	5.3	5.3	8.0	6.0	5.3	5.0	4.7	5.3	4.0	5.5
FOXHOUND (IS-TF 284 M2)	4.7	5.3	5.0	7.7	6.3	5.7	5.0	5.0	5.0	4.7	5.5
GTO (BURL TF-2)	6.3	5.3	5.3	8.0	6.3	5.3	5.0	4.3	5.3	4.3	5.5
K12-MCD	5.0	5.3	4.7	8.0	6.0	5.3	5.0	5.0	5.3	4.3	5.5
MAESTRO (T31)	6.3	5.3	5.3	8.0	6.3	5.7	4.7	4.0	5.7	4.3	5.5
PPG-TF-115	5.0	4.3	5.0	8.0	7.0	5.7	5.0	4.3	5.3	4.0	5.5
PST-5EX2	5.7	5.0	5.0	7.7	6.3	6.0	5.3	4.3	5.0	4.3	5.5
PST-5MVD	5.3	5.3	4.7	7.7	6.7	5.7	4.7	4.7	5.7	4.3	5.5
RAPTOR III (ZW 44)	5.7	5.3	5.7	8.3	6.0	5.7	4.7	4.0	5.7	4.3	5.5
ROWDY (SRX-TPC)	4.3	4.7	4.7	7.7	6.3	5.3	4.7	4.7	5.7	4.7	5.5
SALTILLO (PST-5SALT)	4.7	5.3	5.0	7.7	6.3	5.3	4.7	5.0	5.7	4.7	5.5
SCREAMER LS (PPG-TF-148)	6.0	5.3	5.3	7.7	6.0	5.7	4.7	4.7	5.3	4.7	5.5
TERRANO	5.0	5.3	5.0	7.3	6.3	6.3	5.3	4.7	5.3	3.7	5.5
THUNDERSTRUCK (TD1)	4.3	5.3	5.0	7.3	6.7	6.0	5.0	4.0	5.0	5.0	5.5
ATF 1704	5.3	5.0	5.3	7.3	5.7	5.3	4.7	4.3	5.7	4.7	5.4
ATF 1736	4.7	5.7	5.0	7.3	6.0	5.3	5.0	4.7	5.0	4.7	5.4
ATF 1754	5.3	6.0	5.3	8.0	5.7	5.7	4.7	5.0	5.0	4.0	5.4
FAITH	5.3	5.0	5.3	7.3	6.3	5.0	5.0	4.7	5.3	4.0	5.4
PST-5BPO	5.7	5.3	5.3	7.7	6.0	5.3	5.0	4.3	5.3	4.3	5.4
RAD-TF-92	5.3	4.7	5.0	8.0	6.3	5.3	5.0	4.0	5.7	3.7	5.4
TURFWAY (IS-TF 282 M2)	5.7	5.0	5.0	7.3	5.7	5.3	5.7	4.7	4.3	5.0	5.4
UNITUS (IS-TF 289)	4.7	5.3	5.0	7.3	6.3	5.7	5.0	4.0	5.7	4.0	5.4
ARES (PPG-TF-142)	4.3	5.0	4.7	8.0	6.3	5.3	5.7	3.7	5.0	3.3	5.3
CAESAR (TY 10)	5.0	4.7	5.0	8.0	5.7	5.3	5.0	4.0	5.0	4.3	5.3
FIREBIRD 2	4.7	4.7	5.3	7.7	6.3	5.3	4.7	4.0	5.7	3.3	5.3
HOUNDG8 (IS-TF 307 SEL)	5.0	4.3	5.0	8.0	6.3	5.7	5.3	3.7	5.0	3.7	5.3
IS-TF 269 SEL	5.0	5.0	4.7	7.3	6.0	6.0	5.0	4.0	5.3	4.0	5.3
NIGHTCRAWLER (IS-TF 285)	5.0	5.0	5.3	7.3	6.3	5.7	4.7	4.3	5.0	3.7	5.3
RAIN DANCE (PST-5SDT)	4.7	5.0	5.0	7.7	6.0	6.0	5.0	4.0	5.0	4.0	5.3
WICHITA (PPG-TF-151)	4.7	5.3	4.7	7.7	6.0	5.3	4.3	4.7	5.0	5.0	5.3
XTENDER (PPG-TF-139)	5.0	4.7	5.3	7.0	6.0	5.3	5.3	3.3	5.7	4.3	5.3
BAR FA 121089	5.3	4.7	5.0	7.7	5.7	5.7	5.0	4.3	4.7	3.7	5.2
FAYETTE (IS-TF 291)	5.0	5.3	5.0	7.3	6.3	5.3	4.7	3.7	5.3	3.7	5.2
INSPIRATION (PST-R5NW)	5.0	5.3	5.0	7.0	6.0	5.7	5.0	4.3	5.0	3.7	5.2
IS-TF 276 M2	5.0	4.3	5.0	8.0	6.0	5.7	4.3	4.0	5.0	3.7	5.2
IS-TF-287	5.0	5.0	4.7	7.7	6.0	5.0	4.7	4.0	5.3	4.3	5.2
MEMPHIS (GO-DFR)	5.0	4.3	4.7	7.3	6.3	5.7	5.0	3.7	4.7	4.0	5.2
MERIDIAN (PST-5GRB)	4.7	5.3	4.3	7.0	5.7	5.0	5.3	4.7	5.0	4.7	5.2
OLYMPUS (RAD-TF-88)	5.3	4.7	5.0	7.7	7.0	5.3	4.7	3.7	4.7	3.3	5.2
PSG-TT4	5.0	5.3	5.3	7.7	6.0	5.3	4.7	4.0	4.3	4.0	5.2
PST-5DZP	5.0	5.0	5.0	7.7	6.0	6.0	4.7	4.3	4.7	3.3	5.2
RAD-TF-83	5.0	4.7	5.0	7.3	6.0	5.3	4.0	4.3	5.0	4.3	5.2

TABLE 8. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT WICHITA, KS 1/  
2016 DATA

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

NAME	SPRING GREENUP	BROWN PATCH WARM TEMP.	QUALITY RATINGS								MEAN
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
RHAMBLER 2 SRP (LSD)	5.7	4.3	5.3	7.7	6.3	5.3	4.0	3.0	5.7	4.0	5.2
AQUADUCT	4.7	5.0	5.0	6.7	5.3	5.0	5.3	5.3	4.7	3.7	5.1
B23	5.3	4.0	5.3	8.0	6.3	5.7	4.3	3.0	4.7	3.7	5.1
CATALYST	5.7	3.7	5.3	7.3	6.7	6.3	4.0	2.7	5.3	3.3	5.1
FRONTLINE (EXP TF-09)	5.0	4.0	5.0	7.3	6.7	5.3	5.0	3.3	4.7	3.3	5.1
IS-TF 272	4.7	4.7	5.0	7.3	6.3	5.3	4.3	4.0	4.7	3.7	5.1
JS 809	4.0	5.0	4.3	7.0	6.3	5.3	5.3	4.7	4.7	3.0	5.1
RAD-TF-89	5.3	4.7	5.0	7.7	6.0	5.0	4.3	4.0	5.3	3.7	5.1
RHIZING MOON (IS-TF 305 SEL)	4.7	4.7	5.0	7.7	6.0	5.3	4.0	3.7	5.0	4.3	5.1
BAR FA 121091	4.0	5.0	4.7	6.7	6.3	5.3	4.7	4.7	4.3	3.0	5.0
BAR FA 121095	4.0	4.0	4.0	7.3	6.0	5.3	5.0	4.0	4.7	3.3	5.0
JS 819	4.3	4.3	5.0	6.7	6.7	5.7	4.3	4.0	4.3	3.7	5.0
K12-05	4.7	4.7	5.0	7.0	6.7	5.0	4.0	3.7	5.0	4.0	5.0
PSG-8BP2	4.3	4.7	4.7	7.0	6.0	5.3	5.0	3.7	5.0	3.7	5.0
TEMPTATION (OR-21)	5.3	4.7	4.7	6.7	6.0	5.0	4.7	4.3	4.7	3.7	5.0
BULLSEYE	5.7	4.7	5.3	7.3	6.0	5.7	4.0	3.0	5.0	3.0	4.9
JS 818	4.3	4.7	4.3	7.3	5.7	5.3	5.0	4.0	4.7	3.0	4.9
ANNIHILATOR	4.0	3.7	5.0	7.7	6.3	5.0	4.0	3.7	3.7	3.0	4.8
JS 825	4.3	4.7	4.3	7.0	6.0	5.0	4.0	4.3	4.3	3.3	4.8
K12-13	4.0	4.3	4.3	7.7	6.3	5.0	3.7	3.7	5.0	3.0	4.8
WARHAWK	4.7	3.7	5.3	7.3	6.3	5.0	4.3	3.0	3.7	3.0	4.8
204 RES. BLK4	4.7	4.3	4.7	8.0	6.3	4.3	4.3	3.0	3.7	3.0	4.7
COMP. RES. SST	4.7	3.7	5.0	8.0	6.0	4.3	4.0	3.0	4.0	3.0	4.7
MARAUDER	4.3	5.0	5.3	6.7	6.0	5.0	4.3	3.7	3.7	3.0	4.7
BAR FA 120878	5.0	5.0	4.3	5.7	5.0	4.3	4.0	4.0	4.0	3.3	4.3
KY-31	5.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.7	3.3
LSD VALUE	1.0	1.6	1.1	1.0	1.0	1.0	1.3	2.8	1.0	1.2	0.5
C.V. (%)	11.0	14.4	9.8	7.6	7.9	9.6	13.2	23.0	11.3	16.6	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 9. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT LEXINGTON, KY 1/  
2016 DATA

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

NAME	BROWN PATCH WARM TEMP.	QUALITY RATINGS								MEAN
		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
TRAVERSE 2 SRP (W45)	7.7	6.0	8.0	8.0	8.0	7.7	7.0	8.0	8.7	7.7
W41	8.3	6.7	8.0	7.7	8.0	7.7	7.3	7.7	8.7	7.7
AMITY (CCR2)	8.0	6.7	7.7	8.0	8.0	7.0	7.0	8.0	8.3	7.6
BLACK TAIL (PPG-TF-150)	7.7	6.3	8.3	7.7	8.0	7.0	7.3	8.3	8.0	7.6
F711	6.7	6.3	7.7	8.0	8.0	7.0	7.3	8.0	8.7	7.6
IS-TF 311	8.0	6.3	7.7	7.3	8.3	7.0	8.0	8.0	8.3	7.6
THOR (PPG-TF-157)	8.3	6.7	8.0	7.7	8.3	7.0	7.3	8.0	8.0	7.6
4TH MILLENNIUM SRP (U43)	7.3	6.7	7.7	7.7	7.7	6.3	7.0	8.0	8.7	7.5
HEMI	7.7	6.3	8.0	8.0	8.0	6.7	7.3	8.0	8.0	7.5
HOT ROD (BURL TF-136)	8.0	6.3	7.3	8.0	8.0	6.0	7.0	8.3	8.7	7.5
IS-TF 308 SEL	7.3	6.7	7.7	7.7	8.0	6.3	7.0	8.3	8.0	7.5
PPG-TF-169	8.3	6.7	7.0	7.7	8.0	6.7	7.3	8.3	8.3	7.5
RAPTOR III (ZW 44)	7.3	6.3	7.7	8.0	8.0	7.0	7.0	8.0	8.3	7.5
REBOUNDER (PICK-W43)	7.7	6.3	8.0	7.3	8.0	6.7	7.3	8.0	8.3	7.5
REFLECTION (U45)	7.3	6.3	7.3	8.0	8.0	6.7	7.7	8.0	8.3	7.5
REGENERATE	7.3	6.7	7.7	7.7	8.0	6.0	7.3	8.0	8.3	7.5
SUPERSONIC (PPG-TF-170)	7.7	6.7	8.0	7.3	8.0	7.0	6.7	8.0	8.0	7.5
AVENGER II (PPG-TF-156)	8.0	6.0	7.3	7.7	8.0	6.7	7.3	8.3	8.0	7.4
BLOODHOUND (MET 6 SEL)	7.7	6.7	7.7	7.0	8.0	6.7	7.0	8.3	8.0	7.4
CROSSFIRE 4 (IS-TF 310 SEL)	6.7	6.3	7.7	7.7	7.7	7.0	7.0	8.0	8.0	7.4
DIABLO (IS-TF 330)	7.3	6.0	8.0	8.0	8.0	6.3	7.0	7.7	8.0	7.4
FIREBIRD 2	8.3	6.7	7.7	7.7	8.0	6.7	6.7	7.7	8.0	7.4
FIREWALL (PSG-WE1)	7.3	6.7	7.7	7.3	8.0	6.7	6.7	8.0	8.0	7.4
HOVER (BURL TF-69)	7.7	6.7	7.7	7.7	8.0	6.3	7.0	7.7	8.0	7.4
JS 916	7.0	6.7	7.7	7.0	8.0	6.7	7.0	8.0	8.3	7.4
MET-3	7.7	6.3	7.7	7.7	8.0	7.0	7.0	8.0	7.7	7.4
OLYMPUS (RAD-TF-88)	7.7	7.0	7.7	7.7	8.0	6.3	6.7	7.7	8.0	7.4
PPG-TF-135	7.3	6.0	7.7	7.3	8.3	6.3	7.3	7.3	8.7	7.4
ROCKWELL (LTP-TWUU)	8.0	6.7	7.3	7.7	8.0	7.0	7.0	7.3	8.3	7.4
TITANIUM 2LS (PPG-TF-152)	7.7	6.3	7.7	7.3	8.0	6.7	7.3	7.7	8.3	7.4
TURFWAY (IS-TF 282 M2)	8.3	6.7	7.3	7.7	8.3	7.0	6.3	8.0	8.0	7.4
ATF 1736	7.3	6.3	7.3	7.3	8.0	6.7	7.0	7.3	8.0	7.3
ATF 1754	7.3	6.7	7.3	7.3	8.0	6.0	7.3	8.0	8.0	7.3
BIZEM	7.3	6.3	7.3	8.0	8.0	6.7	7.0	7.7	7.7	7.3
BULLSEYE	7.7	6.7	8.0	7.7	8.0	6.7	6.3	7.7	7.3	7.3
EMBRACE (PST-5EV2)	7.7	6.3	7.0	7.7	7.7	6.7	6.7	7.7	8.3	7.3
FAITH	7.0	6.3	7.0	7.3	7.7	6.3	7.0	8.0	8.3	7.3
GRANDE 3	7.0	6.7	7.0	7.3	8.0	6.3	7.0	8.0	7.7	7.3
GTO (BURL TF-2)	7.7	6.3	7.3	7.3	8.0	6.7	7.0	8.0	8.0	7.3
HOUND08 (IS-TF 307 SEL)	7.7	6.3	7.7	7.3	8.0	6.3	7.0	7.7	8.0	7.3
IS-TF 269 SEL	8.0	6.0	7.7	7.7	8.0	6.3	7.0	7.7	8.3	7.3
KINGDOM (DB1)	8.0	6.0	8.0	7.7	8.0	6.7	6.7	7.3	7.7	7.3
MAESTRO (T31)	6.7	6.0	7.3	7.0	8.0	6.3	7.3	8.0	8.0	7.3
MET 1	7.0	6.7	7.0	7.0	8.3	7.0	6.7	8.0	8.0	7.3
MICHELANGELO (LTP-F5DPDR)	7.3	7.0	7.0	7.7	8.0	6.0	7.0	8.0	8.0	7.3

TABLE 9. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT LEXINGTON, KY 1/  
2016 DATA

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

NAME	BROWN PATCH WARM TEMP.	QUALITY RATINGS								MEAN
		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
PARAMOUNT (PPG-TF-137)	7.7	6.0	7.7	7.7	8.0	6.3	7.0	7.7	7.7	7.3
PPG-TF-115	7.3	6.7	7.3	7.0	7.7	6.3	7.3	7.7	8.0	7.3
PSG-P01	7.3	6.3	7.3	7.3	8.0	6.7	7.0	8.0	7.7	7.3
RAD-TF-89	7.0	6.3	7.7	8.0	8.0	6.3	6.7	7.3	8.0	7.3
RAD-TF-92	6.7	6.3	7.3	8.0	8.0	6.3	6.7	7.7	7.7	7.3
TECHNIQUE (RZ2)	7.0	6.0	7.3	7.7	8.0	6.3	7.0	7.7	8.3	7.3
THUNDERSTRUCK (TD1)	7.0	6.0	8.0	7.3	8.0	6.3	6.7	8.0	8.0	7.3
ATF 1612	7.7	6.3	7.3	7.7	8.0	6.0	6.7	7.7	8.0	7.2
ATF 1704	7.0	6.3	7.0	7.0	8.0	6.7	6.7	7.7	8.3	7.2
FAYETTE (IS-TF 291)	6.0	6.7	7.7	7.3	7.3	5.7	7.0	8.0	8.0	7.2
IS-TF 272	7.0	6.3	7.3	7.0	8.0	6.0	6.7	8.0	8.0	7.2
IS-TF-287	7.0	6.3	7.7	7.3	8.0	5.7	6.7	7.7	8.3	7.2
PST-5BP0	7.3	6.0	7.3	7.7	8.0	6.3	6.3	7.7	8.0	7.2
RAD-TF-83	7.0	7.0	8.0	7.7	7.7	6.0	6.7	7.3	7.3	7.2
RHIZING MOON (IS-TF 305 SEL)	7.3	6.0	7.3	7.0	8.0	6.0	7.0	7.7	8.3	7.2
SALTILLO (PST-5SALT)	7.3	6.0	7.3	7.0	8.0	6.3	7.0	8.0	8.0	7.2
SCREAMER LS (PPG-TF-148)	6.7	6.3	7.3	7.3	7.7	6.3	7.0	7.0	8.3	7.2
TEMPTATION (OR-21)	7.0	6.3	8.0	7.3	7.3	6.3	7.0	7.3	7.7	7.2
VALKYRIE LS (PPG-TF-172)	7.7	6.0	7.0	7.0	8.0	6.7	6.7	7.7	8.3	7.2
B23	7.0	6.0	7.0	7.3	8.0	6.0	6.7	8.0	8.0	7.1
CAESAR (TY 10)	6.3	6.7	7.3	7.0	7.3	5.7	7.3	7.3	8.0	7.1
DYNAMITE LS (PPG-TF-145)	6.3	6.0	7.7	7.7	7.3	5.7	7.0	7.3	8.0	7.1
FALCON V	6.3	7.0	7.3	7.3	7.3	5.7	6.0	7.7	8.3	7.1
FESNOVA	7.0	6.3	7.0	6.7	7.7	6.7	7.0	7.7	8.0	7.1
FOXHOUND (IS-TF 284 M2)	7.0	6.3	7.0	7.3	7.7	6.3	6.7	7.7	8.0	7.1
IS-TF 276 M2	7.0	6.3	7.7	7.3	8.0	6.0	6.7	7.3	7.7	7.1
K12-05	5.7	6.0	7.3	7.7	7.7	5.7	7.0	7.7	8.0	7.1
LEONARDO (LTP-FSD)	6.7	6.7	7.3	7.3	7.3	6.0	7.0	7.3	7.7	7.1
NIGHTCRAWLER (IS-TF 285)	6.0	6.0	7.3	7.0	8.0	6.3	7.0	8.0	7.3	7.1
PPG-TF-138	8.3	6.3	7.7	7.0	8.0	5.7	6.7	7.7	8.0	7.1
PST-5BRK	7.3	6.0	7.0	7.0	7.3	6.3	7.3	8.0	7.7	7.1
UNITUS (IS-TF 289)	7.3	6.0	7.3	7.0	7.7	6.3	6.3	8.0	8.0	7.1
WICHITA (PPG-TF-151)	6.7	6.0	7.0	7.0	7.7	6.3	7.0	7.7	8.0	7.1
XTENDER (PPG-TF-139)	7.3	6.7	7.3	7.7	7.7	6.0	6.7	7.3	7.7	7.1
ARES (PPG-TF-142)	6.3	6.0	7.7	7.3	7.3	6.0	6.3	7.7	7.7	7.0
BAR FA 121091	6.0	6.3	7.0	7.0	7.7	5.7	6.7	7.7	7.7	7.0
FIRECRACKER SLS (PPG-TF-105)	6.7	5.7	7.3	7.3	7.7	5.7	7.0	7.7	8.0	7.0
JS 818	7.0	5.7	7.3	7.0	8.0	6.0	7.0	7.3	8.0	7.0
K12-13	6.0	6.0	7.0	7.3	7.7	6.0	7.0	7.3	7.7	7.0
K12-MCD	6.0	6.3	7.0	7.0	7.7	6.3	6.3	7.3	7.7	7.0
PSG-TT4	7.0	6.3	7.3	7.0	7.7	6.3	6.7	7.3	7.3	7.0
RAIN DANCE (PST-5SDT)	6.7	6.3	7.0	6.7	7.7	6.0	6.7	7.7	8.0	7.0
ROWDY (SRX-TPC)	7.3	6.0	8.0	7.3	7.3	6.0	6.3	7.3	8.0	7.0
TEMPLE (DZ1)	8.0	6.0	7.7	7.0	7.7	6.3	6.7	7.7	7.3	7.0
204 RES. BLK4	5.3	6.0	7.3	7.0	7.3	5.3	7.0	7.0	8.0	6.9

TABLE 9.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT LEXINGTON, KY 1/  
2016 DATA

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

NAME	BROWN	QUALITY RATINGS									
	PATCH	WARM TEMP.	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
BAR FA 121095		6.3	6.0	7.7	7.0	7.7	6.0	6.3	7.0	7.7	6.9
CATALYST		6.7	6.3	7.3	7.0	7.3	6.0	6.0	7.3	7.7	6.9
INSPIRATION (PST-R5NW)		6.3	6.3	7.3	7.0	7.7	6.0	6.0	7.0	8.0	6.9
JS 809		6.0	6.0	7.3	6.7	7.3	5.7	6.7	7.7	7.7	6.9
JS 819		6.3	6.3	7.3	7.3	7.3	5.7	6.7	7.0	7.3	6.9
MERIDIAN (PST-5GRB)		7.0	6.3	7.3	7.0	7.3	5.7	6.3	7.7	7.7	6.9
PST-5EX2		7.7	6.7	6.7	6.7	7.7	6.3	6.7	7.3	7.0	6.9
PST-5MVD		6.7	6.3	7.0	7.0	7.3	6.3	6.7	7.0	7.7	6.9
BAR FA 121089		6.7	6.3	7.0	7.0	7.3	6.0	6.3	7.0	7.3	6.8
COMP. RES. SST		6.3	6.0	7.7	6.7	7.3	6.0	6.0	7.0	8.0	6.8
FALCON IV		6.3	6.7	7.3	7.0	7.3	6.0	6.0	7.0	7.3	6.8
FRONTLINE (EXP TF-09)		7.0	6.0	7.3	7.0	7.7	5.3	6.3	7.0	7.7	6.8
MEMPHIS (GO-DFR)		6.0	6.0	7.0	7.0	7.7	5.7	6.0	7.7	7.7	6.8
PSG-8BP2		6.0	6.7	7.0	7.0	7.3	5.3	6.0	7.0	7.7	6.8
PST-5DZP		5.7	6.3	7.0	7.3	7.0	5.3	6.7	7.3	7.7	6.8
RHAMBLER 2 SRP (LSD)		6.0	5.7	7.3	7.3	7.3	5.7	6.0	7.0	8.0	6.8
MARAUDER		5.3	6.0	7.0	7.0	7.3	5.3	6.0	7.3	7.7	6.7
PSG-GSD		7.3	6.3	7.7	7.0	7.3	5.0	5.7	7.0	7.3	6.7
SWAGGER (PST-5R05)		6.0	6.0	7.0	7.3	7.0	5.3	6.7	7.0	7.3	6.7
TERRANO		5.7	6.3	7.3	7.0	7.3	5.3	6.0	7.0	7.3	6.7
ANNIHILATOR		5.7	6.0	7.0	7.0	7.0	5.3	6.0	7.0	7.3	6.6
JS 825		5.7	6.0	7.0	6.7	7.0	5.7	6.3	7.0	6.7	6.5
WARHAWK		5.3	6.0	7.0	6.7	7.0	4.7	5.7	7.3	7.7	6.5
AQUADUCT		5.3	6.0	7.3	6.0	6.7	5.0	6.0	7.0	7.0	6.4
BAR FA 120878		7.0	6.0	5.0	6.3	6.7	6.0	6.0	6.3	6.7	6.1
KY-31		8.0	4.0	4.0	4.0	4.0	3.0	4.0	4.0	4.7	4.0
LSD VALUE		1.8	1.0	0.8	0.7	0.7	1.0	0.8	0.7	1.0	0.3
C.V. (%)		12.9	7.3	6.2	5.9	5.7	9.6	7.2	5.8	6.8	3.2

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 10. BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT LEXINGTON (BROWN PATCH), KY 1/  
2016 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	BROWN PATCH COOL TEMP.
ATF 1754	7.3
TRAVERSE 2 SRP (W45)	7.3
4TH MILLENNIUM SRP (U43)	7.0
AVENGER II (PPG-TF-156)	7.0
BLACK TAIL (PPG-TF-150)	7.0
CATALYST	7.0
EMBRACE (PST-5EV2)	7.0
FAYETTE (IS-TF 291)	7.0
FIREBIRD 2	7.0
FIRECRACKER SLS (PPG-TF-105)	7.0
HEMI	7.0
IS-TF 311	7.0
KY-31	7.0
MAESTRO (T31)	7.0
MET 1	7.0
MET-3	7.0
PARAMOUNT (PPG-TF-137)	7.0
PPG-TF-135	7.0
PSG-P01	7.0
RAD-TF-89	7.0
REBOUNDER (PICK-W43)	7.0
REFLECTION (U45)	7.0
REGENERATE	7.0
AMITY (CCR2)	6.7
ARES (PPG-TF-142)	6.7
ATF 1612	6.7
BIZEM	6.7
BLOODHOUND (MET 6 SEL)	6.7
BULLSEYE	6.7
CROSSFIRE 4 (IS-TF 310 SEL)	6.7
DYNAMITE LS (PPG-TF-145)	6.7
F711	6.7
FALCON IV	6.7
FALCON V	6.7
FESNOVA	6.7
FIREWALL (PSG-WE1)	6.7
GTO (BURL TF-2)	6.7
HOUNDOG8 (IS-TF 307 SEL)	6.7
HOVER (BURL TF-69)	6.7
IS-TF 308 SEL	6.7
JS 916	6.7
LEONARDO (LTP-FSD)	6.7
MICHELANGELO (LTP-F5DPDR)	6.7
NIGHTCRAWLER (IS-TF 285)	6.7
PPG-TF-115	6.7

TABLE 10.  
(CONT'D)

BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT LEXINGTON (BROWN PATCH), KY 1/  
2016 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	BROWN PATCH COOL TEMP.
PPG-TF-138	6.7
PPG-TF-169	6.7
PST-5BRK	6.7
PST-5EX2	6.7
PST-5MVD	6.7
RAD-TF-92	6.7
RAPTOR III (ZW 44)	6.7
RHAMBLER 2 SRP (LSD)	6.7
ROCKWELL (LTP-TWUU)	6.7
ROWDY (SRX-TPC)	6.7
SCREAMER LS (PPG-TF-148)	6.7
SUPERSONIC (PPG-TF-170)	6.7
TECHNIQUE (RZ2)	6.7
TEMPLE (DZ1)	6.7
THOR (PPG-TF-157)	6.7
TITANIUM 2LS (PPG-TF-152)	6.7
W41	6.7
ATF 1704	6.3
ATF 1736	6.3
B23	6.3
FOXHOUND (IS-TF 284 M2)	6.3
GRANDE 3	6.3
HOT ROD (BURL TF-136)	6.3
IS-TF 272	6.3
IS-TF 276 M2	6.3
IS-TF-287	6.3
PSG-GSD	6.3
RAD-TF-83	6.3
RHIZING MOON (IS-TF 305 SEL)	6.3
SWAGGER (PST-5R05)	6.3
TERRANO	6.3
TURFWAY (IS-TF 282 M2)	6.3
UNITUS (IS-TF 289)	6.3
VALKYRIE LS (PPG-TF-172)	6.3
WICHITA (PPG-TF-151)	6.3
XTENDER (PPG-TF-139)	6.3
CAESAR (TY 10)	6.0
DIABLO (IS-TF 330)	6.0
FAITH	6.0
FRONTLINE (EXP TF-09)	6.0
INSPIRATION (PST-R5NW)	6.0
IS-TF 269 SEL	6.0
JS 818	6.0
JS 819	6.0
K12-MCD	6.0

TABLE 10. BROWN PATCH (COOL TEMPERATURE) RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT LEXINGTON (BROWN PATCH), KY 1/  
 2016 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	BROWN PATCH COOL TEMP.
MERIDIAN (PST-5GRB)	6.0
OLYMPUS (RAD-TF-88)	6.0
PST-5BP0	6.0
PST-5DZP	6.0
RAIN DANCE (PST-5SDT)	6.0
SALTILLO (PST-5SALT)	6.0
BAR FA 121095	5.7
JS 825	5.7
K12-05	5.7
KINGDOM (DB1)	5.7
PSG-TT4	5.7
TEMPTATION (OR-21)	5.7
THUNDERSTRUCK (TD1)	5.7
AQUADUCT	5.3
BAR FA 121089	5.3
JS 809	5.3
K12-13	5.3
PSG-8BP2	5.3
BAR FA 120878	5.0
MEMPHIS (GO-DFR)	5.0
WARHAWK	5.0
ANNIHILATOR	4.7
COMP. RES. SST	4.3
204 RES. BLK4	4.0
MARAUDER	4.0
BAR FA 121091	3.7
LSD VALUE	1.2
C.V. (%)	11.1

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

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

TABLE 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLLEGE PARK, MD 1/  
2016 DATA

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

NAME	BROWN PATCH WARM TEMP.	PINK SNOW MOLD	APR	MAY	JUN	QUALITY RATINGS				MEAN
						JUL	AUG	SEP	OCT	
REGENERATE	8.0	5.7	6.3	7.3	8.0	7.0	7.3	7.7	7.3	7.3
TRAVERSE 2 SRP (W45)	8.0	7.0	7.7	7.3	6.7	6.0	7.0	7.3	7.0	7.0
4TH MILLENNIUM SRP (U43)	7.7	6.7	6.7	7.3	7.3	5.3	7.0	7.0	7.0	6.8
RAPTOR III (ZW 44)	8.0	5.7	7.0	7.0	7.3	5.7	7.0	6.7	6.7	6.8
REFLECTION (U45)	8.7	6.3	6.7	6.7	7.0	6.7	6.7	7.0	7.0	6.8
SUPERSONIC (PPG-TF-170)	8.0	6.7	6.0	7.0	7.0	6.7	7.0	7.0	7.0	6.8
AMITY (CCR2)	8.7	6.7	6.7	7.0	7.3	6.0	6.3	6.7	6.7	6.7
GTO (BURL TF-2)	8.3	6.7	6.3	7.0	7.0	6.0	6.7	7.0	6.7	6.7
HOT ROD (BURL TF-136)	7.7	6.0	6.7	7.0	7.0	5.7	6.7	7.0	7.0	6.7
MET 1	7.7	7.3	6.3	7.0	6.7	5.7	7.0	7.3	7.0	6.7
REBOUNDER (PICK-W43)	7.7	6.0	6.3	7.0	7.0	5.3	6.7	7.3	7.0	6.7
TEMPLE (DZ1)	7.3	7.3	7.0	7.0	7.3	5.7	6.0	6.7	7.0	6.7
AVENGER II (PPG-TF-156)	8.0	6.7	6.0	6.7	7.0	6.0	6.3	7.3	7.0	6.6
BLOODHOUND (MET 6 SEL)	9.0	6.7	5.7	6.7	7.0	7.0	6.3	7.0	6.7	6.6
IS-TF 308 SEL	8.3	7.3	6.7	7.0	7.3	6.0	6.7	6.3	6.3	6.6
MAESTRO (T31)	8.0	6.0	6.7	7.0	7.3	5.0	6.3	6.7	6.3	6.5
MET-3	7.0	5.7	6.3	7.0	7.0	5.0	6.0	7.0	7.0	6.5
PARAMOUNT (PPG-TF-137)	7.7	6.3	6.0	6.7	7.0	6.0	6.7	7.0	6.0	6.5
ROCKWELL (LTP-TWUU)	8.7	7.0	6.3	7.0	6.3	6.3	6.7	6.7	6.0	6.5
TECHNIQUE (RZ2)	8.0	6.3	5.7	7.0	7.7	6.0	6.0	6.7	6.3	6.5
TITANIUM 2LS (PPG-TF-152)	8.0	6.7	6.0	7.0	6.3	6.0	6.3	7.3	6.3	6.5
VALKYRIE LS (PPG-TF-172)	8.3	6.7	6.7	6.7	6.3	6.0	7.0	6.3	6.7	6.5
BIZEM	8.0	6.3	6.0	6.7	7.3	6.0	6.3	6.0	6.7	6.4
EMBRACE (PST-5EV2)	8.0	6.3	6.7	6.7	6.7	5.7	6.0	6.7	6.3	6.4
FIREBIRD 2	7.7	6.7	6.3	7.0	7.0	5.7	6.0	6.7	6.3	6.4
LEONARDO (LTP-FSD)	8.0	7.3	7.0	7.0	7.0	5.3	6.0	6.3	6.0	6.4
PSG-P01	7.3	6.7	6.0	6.7	7.0	5.3	6.0	6.7	7.0	6.4
BLACK TAIL (PPG-TF-150)	8.0	6.0	5.7	6.3	6.7	6.0	6.7	6.3	6.3	6.3
F711	8.3	7.3	6.3	6.7	6.3	6.0	6.0	6.3	6.7	6.3
FAYETTE (IS-TF 291)	7.7	7.3	6.3	6.7	6.7	5.7	6.0	7.0	6.0	6.3
HEMI	7.3	7.0	6.3	6.7	7.0	5.3	6.0	6.3	6.7	6.3
JS 916	8.0	6.7	6.3	6.7	6.3	5.7	6.0	7.0	6.3	6.3
PPG-TF-135	6.7	5.0	6.0	6.3	6.7	5.7	6.3	6.7	6.7	6.3
THOR (PPG-TF-157)	7.7	7.0	6.7	6.7	6.0	6.3	6.0	6.3	6.3	6.3
CROSSFIRE 4 (IS-TF 310 SEL)	7.3	7.3	6.3	6.7	6.7	5.3	6.0	6.3	6.0	6.2
FESNOVA	6.3	6.3	6.7	6.7	6.0	5.3	6.3	6.7	6.0	6.2
FIREWALL (PSG-WE1)	8.0	6.0	6.0	6.3	6.3	5.7	6.3	6.3	6.3	6.2
HOVER (BURL TF-69)	7.0	5.0	6.3	6.7	7.0	4.7	5.7	6.7	6.7	6.2
IS-TF 311	7.3	7.0	6.0	6.7	7.0	5.0	5.7	6.7	6.3	6.2
PPG-TF-169	5.3	4.3	6.0	6.7	6.3	4.7	6.3	6.7	6.7	6.2
WICHITA (PPG-TF-151)	8.0	5.7	6.3	6.7	6.3	5.3	5.7	6.7	6.3	6.2
ATF 1612	8.0	4.3	6.0	6.0	6.3	5.3	6.3	6.3	6.3	6.1
FIRECRACKER SLS (PPG-TF-105)	7.3	6.7	6.7	6.3	6.7	4.7	6.3	6.3	6.0	6.1
IS-TF 269 SEL	7.3	6.7	6.7	6.7	6.7	4.7	6.3	6.0	6.0	6.1
MICHELANGELO (LTP-F5DPDR)	7.7	7.0	6.3	6.7	6.3	5.3	6.0	6.3	6.0	6.1

TABLE 11. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLLEGE PARK, MD 1/  
2016 DATA

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

NAME	BROWN PATCH WARM TEMP.	PINK SNOW MOLD	APR	MAY	JUN	QUALITY RATINGS				MEAN
						JUL	AUG	SEP	OCT	
ROWDY (SRX-TPC)	7.7	6.7	6.0	6.3	6.3	5.7	6.0	6.3	6.0	6.1
ATF 1704	7.7	6.7	6.3	6.3	6.0	5.3	6.3	6.0	6.0	6.0
FOXHOUND (IS-TF 284 M2)	6.7	7.0	7.0	6.7	7.0	4.3	5.3	6.0	6.0	6.0
IS-TF 276 M2	7.3	7.0	6.3	6.3	6.0	5.3	5.7	6.0	6.0	6.0
KINGDOM (DB1)	5.7	5.7	6.3	6.3	6.7	4.3	5.7	6.3	6.7	6.0
NIGHTCRAWLER (IS-TF 285)	7.7	6.7	6.7	6.0	6.3	4.7	5.7	6.0	6.3	6.0
PPG-TF-138	5.7	6.7	6.3	6.0	6.7	4.3	6.0	6.3	6.3	6.0
PST-5BPO	7.7	6.3	6.0	6.3	6.3	5.3	6.3	6.0	6.0	6.0
RAD-TF-89	6.3	5.0	6.3	6.3	6.0	5.0	6.0	6.0	6.0	6.0
RHAMBLER 2 SRP (LSD)	7.3	5.3	5.7	6.3	7.0	5.0	6.0	6.3	6.0	6.0
RHIZING MOON (IS-TF 305 SEL)	7.0	7.3	6.0	6.3	6.3	5.3	5.7	6.0	6.0	6.0
SALTILLO (PST-5SALT)	7.7	6.3	6.3	6.3	6.3	5.0	6.0	6.3	6.0	6.0
TURFWAY (IS-TF 282 M2)	7.3	7.7	6.7	6.3	6.3	4.7	5.7	6.0	6.0	6.0
W41	7.3	6.7	6.0	6.3	6.3	5.0	5.7	6.3	6.7	6.0
XTENDER (PPG-TF-139)	7.3	6.0	5.0	6.3	6.7	5.3	6.0	6.3	6.0	6.0
ATF 1736	7.0	7.3	6.7	6.0	6.0	4.7	6.0	6.0	6.0	5.9
B23	7.7	6.7	6.3	6.0	6.3	5.7	5.0	6.0	5.7	5.9
BULLSEYE	7.7	6.7	6.3	6.0	6.0	5.7	5.3	6.0	5.7	5.9
CAESAR (TY 10)	7.7	7.0	6.3	6.3	6.0	4.7	5.7	6.3	6.0	5.9
DIABLO (IS-TF 330)	8.0	6.0	5.7	6.3	7.0	4.3	5.3	6.0	6.3	5.9
GRANDE 3	7.0	5.3	5.7	6.3	6.0	4.7	6.0	6.0	6.3	5.9
K12-MCD	5.7	6.0	5.7	6.0	7.0	4.0	6.0	6.3	6.0	5.9
PST-5EX2	8.0	7.0	6.0	6.0	6.0	5.3	5.7	6.3	6.0	5.9
SCREAMER LS (PPG-TF-148)	8.3	6.3	6.3	6.0	6.0	5.3	5.3	6.0	6.0	5.9
THUNDERSTRUCK (TD1)	6.7	6.7	6.0	6.0	6.3	5.0	6.0	6.0	6.0	5.9
HOUNDOG8 (IS-TF 307 SEL)	6.7	6.0	5.7	6.0	6.3	4.7	5.7	6.0	6.0	5.8
K12-05	4.3	6.0	6.0	6.0	7.0	4.0	5.7	6.0	6.0	5.8
PPG-TF-115	7.3	6.7	6.0	6.0	6.0	5.3	5.7	6.0	5.7	5.8
PST-5BRK	8.0	6.0	5.7	6.0	6.7	4.7	6.0	6.0	5.7	5.8
ATF 1754	7.0	5.7	5.7	6.0	6.0	4.3	5.7	6.0	6.0	5.7
FAITH	7.3	6.7	5.3	5.3	6.0	5.3	6.0	6.0	6.0	5.7
IS-TF-287	6.7	5.7	5.7	6.0	6.0	5.3	6.0	5.7	5.3	5.7
PST-5MVD	7.0	7.0	6.0	6.0	7.0	4.0	5.0	6.0	6.0	5.7
UNITUS (IS-TF 289)	6.0	6.7	5.7	5.7	6.0	4.3	5.7	6.3	6.0	5.7
JS 818	7.3	7.3	6.0	6.0	6.0	4.3	6.0	5.7	5.3	5.6
MERIDIAN (PST-5GRB)	5.7	4.7	5.7	6.0	6.7	4.0	4.7	6.3	6.0	5.6
RAD-TF-92	5.7	4.7	6.0	6.0	6.0	3.7	5.0	6.3	6.0	5.6
IS-TF 272	7.0	5.7	5.3	6.0	6.0	4.3	5.3	5.7	6.0	5.5
MEMPHIS (GO-DFR)	6.3	6.0	5.3	5.7	6.3	4.7	5.3	5.3	6.0	5.5
PST-5DZP	7.0	7.0	5.3	5.3	5.7	5.0	6.0	6.3	5.0	5.5
SWAGGER (PST-5R05)	8.3	7.3	5.7	6.0	5.3	5.7	5.3	6.0	4.3	5.5
CATALYST	7.3	7.0	5.0	5.3	5.7	4.7	5.7	6.0	5.3	5.4
BAR FA 121091	6.0	7.3	5.3	5.7	6.0	4.0	4.7	5.7	5.7	5.3
BAR FA 121095	6.0	6.7	5.3	5.7	5.3	4.3	5.7	6.0	4.7	5.3
COMP. RES. SST	4.0	6.7	5.7	5.3	5.3	4.0	5.3	6.3	5.3	5.3



TABLE 11. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLLEGE PARK, MD 1/  
2016 DATA

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

NAME	BROWN PATCH WARM TEMP.	PINK SNOW MOLD	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
TEMPTATION (OR-21)	6.3	6.3	5.3	5.3	6.0	5.0	5.3	5.3	5.0	5.3
204 RES. BLK4	3.3	5.3	4.7	5.0	5.7	4.0	5.0	6.0	6.3	5.2
FALCON V	7.3	6.0	5.3	5.3	6.0	4.3	5.0	5.3	5.3	5.2
OLYMPUS (RAD-TF-88)	6.3	4.0	5.3	5.7	6.3	3.7	4.3	5.3	6.0	5.2
PSG-TT4	7.0	6.7	5.7	5.3	5.7	4.3	5.0	5.3	5.3	5.2
DYNAMITE LS (PPG-TF-145)	5.3	6.0	5.3	5.0	6.0	3.3	4.7	5.3	6.0	5.1
JS 819	6.7	7.0	6.0	5.3	5.7	4.0	4.3	5.3	5.0	5.1
RAD-TF-83	6.7	5.7	6.0	5.7	5.7	4.0	4.3	5.0	5.3	5.1
ARES (PPG-TF-142)	5.7	7.7	5.7	5.3	6.0	4.3	4.3	4.7	5.0	5.0
BAR FA 121089	7.7	7.0	5.3	5.3	5.7	4.3	4.0	5.3	5.0	5.0
JS 809	5.0	6.3	5.7	5.3	5.7	3.7	4.7	5.3	5.0	5.0
PSG-8BP2	7.3	6.3	5.3	5.3	5.7	4.3	4.7	4.7	4.7	5.0
TERRANO	7.7	5.7	5.0	5.3	6.0	4.7	5.0	4.3	4.7	5.0
ANNIHILATOR	3.7	6.7	4.7	5.3	5.3	4.0	5.0	5.0	5.0	4.9
K12-13	3.7	4.7	4.3	5.3	5.3	3.3	4.7	6.0	5.3	4.9
PSG-GSD	7.7	7.0	5.0	5.3	5.7	4.3	4.7	4.7	4.7	4.9
INSPIRATION (PST-R5NW)	7.0	7.0	5.0	5.3	5.0	4.0	4.7	5.3	4.3	4.8
RAIN DANCE (PST-5SDT)	6.7	7.7	5.0	5.0	4.7	4.0	4.7	5.7	4.7	4.8
FALCON IV	8.0	6.0	4.7	5.0	5.3	3.7	4.7	4.7	5.0	4.7
JS 825	7.0	7.0	4.3	5.0	4.7	4.3	4.7	5.0	5.0	4.7
AQUADUCT	7.0	6.3	5.0	5.0	5.0	3.7	4.0	4.7	5.0	4.6
FRONTLINE (EXP TF-09)	5.7	7.3	5.7	5.0	5.0	3.3	4.0	4.7	4.7	4.6
MARAUDER	2.7	6.0	4.7	4.7	5.3	3.0	4.0	4.7	4.3	4.4
WARHAWK	2.7	5.7	4.7	4.3	4.7	3.0	4.0	4.3	4.0	4.1
BAR FA 120878	8.0	8.0	4.0	4.0	3.7	3.0	3.3	3.3	3.7	3.6
KY-31	7.7	7.7	3.3	3.0	2.7	2.0	2.3	2.0	2.3	2.5
LSD VALUE	1.7	2.1	1.2	0.8	0.8	1.4	0.9	0.8	0.7	0.5
C.V. (%)	14.7	15.3	11.4	8.1	8.7	17.1	10.6	8.8	7.6	5.6

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 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLUMBIA, MO 1/  
2016 DATA

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

NAME	GENETIC COLOR	RED THREAD	QUALITY RATINGS								
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
RHIZING MOON (IS-TF 305 SEL)	6.0	6.7	5.0	5.3	7.0	4.7	4	6.3	6.7	7.3	5.8
TEMPTATION (OR-21)	6.0	6.0	5.0	6.0	6.3	4.3	4	6.3	7.0	7.0	5.8
TRAVERSE 2 SRP (W45)	6.7	6.3	5.3	6.0	7.0	4.3	4	6.7	6.3	7.0	5.8
GRANDE 3	6.0	4.7	5.0	6.0	6.3	4.3	4	6.0	6.7	6.3	5.6
4TH MILLENNIUM SRP (U43)	6.3	6.3	5.0	5.7	7.3	4.3	4	5.7	6.0	6.3	5.5
GTO (BURL TF-2)	6.0	5.3	5.0	6.0	6.3	4.0	4	5.7	6.3	6.7	5.5
IS-TF 276 M2	5.7	5.0	5.0	5.7	6.7	4.3	4	5.3	6.3	6.7	5.5
MET 1	5.7	5.3	5.0	6.0	6.3	4.3	4	6.3	6.0	6.3	5.5
MET-3	6.0	7.3	5.3	5.7	6.3	4.3	4	6.0	6.0	6.0	5.5
THOR (PPG-TF-157)	6.0	5.7	4.7	6.0	6.3	4.3	4	5.3	6.3	6.7	5.5
F711	6.0	5.3	5.3	4.7	5.7	4.0	4	6.7	6.0	6.7	5.4
PPG-TF-135	5.7	5.3	5.3	5.3	6.3	4.3	4	6.0	5.7	6.0	5.4
AMITY (CCR2)	5.7	4.3	4.3	5.3	6.3	4.0	4	6.3	6.0	6.0	5.3
BIZEM	5.7	5.0	4.7	5.7	6.3	3.7	4	5.7	6.0	6.0	5.3
BULLSEYE	5.7	4.3	4.7	5.3	6.3	4.3	4	6.0	5.7	6.0	5.3
FAITH	5.7	6.7	4.7	5.3	6.3	4.0	4	6.0	5.7	6.3	5.3
FALCON IV	6.3	7.0	4.7	4.7	7.3	4.7	4	6.0	5.7	5.7	5.3
FIREWALL (PSG-WE1)	6.0	5.3	4.3	5.0	6.0	4.0	4	6.3	6.3	6.0	5.3
HEMI	5.7	5.3	4.7	5.0	6.3	4.3	4	5.7	6.3	6.0	5.3
MAESTRO (T31)	5.7	5.7	4.7	5.3	6.3	4.0	4	5.7	6.0	6.0	5.3
PPG-TF-169	5.3	6.3	5.0	5.3	6.7	4.0	4	5.7	6.0	6.0	5.3
PSG-P01	6.0	6.0	5.3	5.3	6.3	4.3	4	6.0	5.7	5.7	5.3
RHAMBLER 2 SRP (LSD)	6.0	5.0	4.3	5.3	6.0	4.0	4	6.7	5.7	6.0	5.3
TITANIUM 2LS (PPG-TF-152)	6.0	6.0	4.7	5.3	6.0	4.0	4	5.7	6.3	6.0	5.3
CROSSFIRE 4 (IS-TF 310 SEL)	5.7	6.3	4.3	5.3	6.3	4.3	4	5.0	6.0	6.0	5.2
HOVER (BURL TF-69)	5.7	3.0	4.7	4.7	5.3	4.3	4	7.0	5.7	5.7	5.2
RAPTOR III (ZW 44)	6.0	3.3	5.0	5.0	5.7	4.0	4	6.0	6.0	5.7	5.2
W41	6.0	5.0	4.7	5.3	6.7	4.3	4	5.7	5.3	5.3	5.2
ATF 1704	5.7	6.0	5.0	5.7	6.0	4.0	4	5.3	5.3	5.3	5.1
AVENGER II (PPG-TF-156)	5.7	4.7	5.0	5.3	6.3	4.3	4	5.0	5.3	5.3	5.1
B23	5.7	5.3	4.7	5.3	6.3	4.0	4	5.7	5.3	5.3	5.1
HOT ROD (BURL TF-136)	6.0	5.7	4.7	4.7	5.7	3.7	4	6.0	6.3	5.7	5.1
IS-TF 308 SEL	6.0	5.7	4.7	5.3	6.0	4.0	4	5.7	5.7	5.7	5.1
LEONARDO (LTP-FSD)	6.0	6.7	4.7	6.0	6.3	4.0	4	5.3	5.0	5.3	5.1
PPG-TF-138	5.7	3.0	4.3	5.0	6.7	4.3	4	4.7	6.3	5.7	5.1
REBOUNDER (PICK-W43)	6.0	5.3	4.7	5.7	6.0	4.0	4	5.3	5.7	5.7	5.1
REGENERATE	5.7	2.3	4.7	4.7	6.0	4.0	4	6.0	5.7	6.0	5.1
ROCKWELL (LTP-TWUU)	6.0	3.0	4.0	4.7	5.7	4.0	4	6.0	6.3	6.3	5.1
ROWDY (SRX-TPC)	5.3	5.3	5.0	5.0	6.0	4.0	4	5.7	5.7	5.7	5.1
SCREAMER LS (PPG-TF-148)	6.0	5.0	4.3	5.0	5.3	4.0	4	6.0	6.3	5.7	5.1
BAR FA 121091	6.0	7.0	4.7	4.7	6.7	4.3	4	5.3	5.0	5.0	5.0
BLOODHOUND (MET 6 SEL)	5.3	4.0	4.7	4.7	5.3	4.0	4	6.0	5.3	5.7	5.0
DIABLO (IS-TF 330)	6.3	5.7	3.7	4.7	5.7	3.7	4	6.0	6.3	6.0	5.0
DYNAMITE LS (PPG-TF-145)	6.7	5.3	4.0	4.7	5.3	4.0	4	5.7	6.0	6.3	5.0
FIREBIRD 2	6.0	4.7	4.3	5.0	6.0	4.0	4	6.0	5.7	5.3	5.0

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLUMBIA, MO 1/  
2016 DATA

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

NAME	GENETIC COLOR	RED THREAD	MAR	APR	MAY	QUALITY RATINGS					MEAN
						JUN	JUL	AUG	SEP	OCT	
FIRECRACKER SLS (PPG-TF-105)	6.0	6.3	4.3	4.7	6.3	4.0	4	6.0	5.7	5.0	5.0
HOUND08 (IS-TF 307 SEL)	5.7	5.3	3.7	4.7	6.0	4.3	4	5.3	6.0	6.3	5.0
IS-TF 311	5.7	5.7	4.3	5.0	5.7	4.0	4	5.3	5.7	6.0	5.0
IS-TF-287	6.0	4.3	4.3	5.0	6.0	4.3	4	6.3	5.3	5.0	5.0
JS 916	6.3	5.3	4.7	4.7	5.0	4.0	4	6.3	5.7	5.7	5.0
K12-05	6.3	4.3	4.0	4.7	5.7	4.0	4	5.3	6.7	5.7	5.0
MEMPHIS (GO-DFR)	5.3	5.0	4.3	4.7	5.7	4.0	4	6.3	5.7	5.3	5.0
PARAMOUNT (PPG-TF-137)	5.3	6.0	4.7	5.0	6.0	4.0	4	5.7	5.3	5.7	5.0
PST-5BPO	5.3	6.3	4.7	5.0	5.7	4.0	4	6.0	5.7	5.3	5.0
REFLECTION (U45)	6.0	4.7	3.7	4.7	6.0	4.0	4	6.7	5.7	5.3	5.0
SALTILLO (PST-5SALT)	5.7	5.0	4.0	5.0	5.3	4.0	4	6.0	5.7	5.7	5.0
SUPERSONIC (PPG-TF-170)	5.7	5.0	4.3	5.7	5.7	4.0	4	6.0	5.0	5.3	5.0
TURFWAY (IS-TF 282 M2)	5.7	6.0	3.7	4.7	5.7	4.0	4	6.3	6.3	5.3	5.0
CAESAR (TY 10)	6.3	4.0	4.7	5.0	6.0	4.3	4	4.7	5.0	5.3	4.9
CATALYST	6.0	4.3	4.3	4.7	5.3	4.0	4	5.7	6.0	5.3	4.9
PST-5EX2	5.3	6.3	4.7	4.7	5.0	3.7	4	6.0	5.7	5.7	4.9
RAD-TF-92	6.0	4.0	4.0	5.0	5.3	3.7	4	6.0	6.0	5.3	4.9
SWAGGER (PST-5R05)	5.7	5.7	4.0	4.0	6.0	4.3	4	5.7	6.0	5.3	4.9
TEMPLE (DZ1)	6.0	3.0	4.0	4.3	5.3	4.0	4	6.0	5.7	5.7	4.9
VALKYRIE LS (PPG-TF-172)	6.3	6.0	4.3	4.7	5.3	4.0	4	6.0	5.7	5.3	4.9
WICHITA (PPG-TF-151)	6.0	5.3	4.0	5.0	5.0	3.7	4	5.7	5.7	6.0	4.9
ARES (PPG-TF-142)	6.7	4.3	4.0	4.0	6.0	4.0	4	5.7	5.7	5.0	4.8
ATF 1612	5.3	3.7	4.3	5.0	5.3	4.0	4	5.3	5.3	5.3	4.8
ATF 1754	6.0	4.7	4.3	5.3	6.0	4.0	4	4.7	5.0	5.3	4.8
BLACK TAIL (PPG-TF-150)	6.0	3.3	4.0	5.0	6.0	3.7	4	6.0	5.3	4.7	4.8
FALCON V	6.0	3.7	4.0	4.3	5.3	4.0	4	5.3	5.7	5.3	4.8
FAYETTE (IS-TF 291)	6.0	4.3	4.0	4.7	5.7	3.7	4	6.0	5.3	5.3	4.8
FESNOVA	5.7	5.0	4.7	4.3	6.0	4.0	4	5.0	5.0	5.0	4.8
IS-TF 269 SEL	5.7	5.7	4.0	4.3	5.3	3.7	4	5.0	6.0	6.0	4.8
IS-TF 272	6.3	4.7	4.0	4.7	5.7	4.0	4	5.0	5.3	5.7	4.8
MERIDIAN (PST-5GRB)	5.3	5.7	4.7	5.7	5.7	4.0	4	4.7	4.7	5.3	4.8
MICHELANGELO (LTP-F5DPDR)	6.0	5.3	4.3	5.0	5.3	4.0	4	5.0	5.3	5.7	4.8
NIGHTCRAWLER (IS-TF 285)	5.7	6.0	3.7	4.3	5.7	4.0	4	5.7	5.7	5.3	4.8
RAD-TF-83	6.0	3.3	4.0	5.0	5.7	4.0	4	5.3	5.3	5.0	4.8
RAIN DANCE (PST-5SDT)	5.7	5.7	4.0	4.3	5.7	4.0	4	5.3	6.0	5.3	4.8
TECHNIQUE (RZ2)	5.7	5.3	4.0	4.0	5.3	4.0	4	5.3	5.7	5.7	4.8
TERRANO	6.0	4.0	4.3	4.7	6.0	4.0	4	4.7	5.0	5.3	4.8
EMBRACE (PST-5EV2)	5.3	6.0	3.7	4.7	5.3	4.0	4	5.3	5.0	5.3	4.7
INSPIRATION (PST-R5NW)	6.3	4.7	4.0	4.3	5.3	4.0	4	5.3	5.3	5.0	4.7
JS 819	6.3	6.0	4.0	5.3	5.3	4.0	4	4.7	5.0	5.3	4.7
K12-MCD	5.7	5.3	4.0	4.3	5.3	3.7	4	6.0	5.0	5.3	4.7
PSG-GSD	5.7	4.7	3.7	4.7	5.7	4.0	4	5.3	5.0	5.3	4.7
PST-5BRK	5.0	6.0	4.0	5.0	5.0	4.0	4	5.7	5.3	4.7	4.7
ANNIHILATOR	5.3	6.7	3.3	4.3	6.0	4.0	4	5.0	5.0	5.0	4.6
BAR FA 121095	5.7	4.7	3.3	4.3	6.0	4.0	4	5.0	5.3	5.0	4.6

TABLE 12. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT COLUMBIA, MO 1/  
2016 DATA

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

NAME	GENETIC COLOR	RED THREAD	MAR	APR	MAY	QUALITY RATINGS					MEAN
						JUN	JUL	AUG	SEP	OCT	
FOXHOUND (IS-TF 284 M2)	6.0	5.0	3.3	4.0	5.7	3.7	4	5.7	5.7	4.7	4.6
JS 818	6.3	4.3	3.7	4.3	5.7	4.0	4	5.0	5.3	5.0	4.6
JS 825	6.0	6.7	4.0	4.3	5.7	4.0	4	6.0	4.7	4.3	4.6
OLYMPUS (RAD-TF-88)	6.0	3.0	3.7	4.3	6.0	4.0	4	4.7	4.7	5.3	4.6
PPG-TF-115	6.0	4.3	4.0	4.3	5.3	3.7	4	5.3	5.3	4.7	4.6
PSG-8BP2	6.0	4.0	4.3	5.0	5.0	3.7	4	4.7	5.0	5.3	4.6
PST-5DZP	6.0	4.0	3.7	4.0	5.3	4.0	4	5.7	5.7	4.7	4.6
PST-5MVD	5.7	6.3	4.0	4.7	5.3	4.0	4	5.0	5.0	4.7	4.6
RAD-TF-89	5.7	6.0	4.0	4.3	5.7	3.7	4	4.7	5.0	5.3	4.6
XTENDER (PPG-TF-139)	5.7	5.0	4.3	4.7	5.7	4.0	4	4.7	5.0	4.7	4.6
204 RES. BLK4	5.3	2.7	4.3	4.7	4.7	3.7	4	4.3	5.0	5.3	4.5
ATF 1736	6.0	5.0	3.7	4.3	5.3	3.7	4	5.3	5.0	4.7	4.5
MARAUDER	5.3	3.3	3.7	4.3	5.7	4.0	4	5.0	5.0	4.7	4.5
PSG-TT4	5.7	4.7	3.7	4.7	5.3	4.0	4	4.7	5.0	4.7	4.5
BAR FA 121089	6.0	4.0	3.3	4.0	5.0	3.3	4	5.3	5.7	4.7	4.4
COMP. RES. SST	6.0	3.3	4.0	4.0	5.7	4.0	4	5.0	4.0	4.7	4.4
FRONTLINE (EXP TF-09)	6.3	3.7	3.7	4.0	5.0	4.0	4	4.7	5.0	4.7	4.4
KINGDOM (DB1)	6.3	3.3	3.3	4.0	4.7	4.0	4	5.0	5.0	5.0	4.4
UNITUS (IS-TF 289)	5.7	4.3	3.3	3.3	5.3	4.0	4	5.3	5.0	5.0	4.4
BAR FA 120878	5.3	6.7	3.3	4.3	5.7	4.0	4	4.7	4.0	4.7	4.3
JS 809	5.7	3.7	3.3	3.7	5.0	3.7	4	5.0	4.7	4.7	4.3
K12-13	5.3	4.7	3.3	3.7	5.3	4.0	4	5.0	5.0	4.3	4.3
THUNDERSTRUCK (TD1)	6.3	3.3	3.3	3.7	4.7	3.3	4	5.3	5.3	5.0	4.3
WARHAWK	6.0	5.0	3.7	4.3	5.3	4.0	4	4.3	4.0	5.0	4.3
AQUADUCT	5.7	4.3	3.7	3.7	4.7	3.7	4	4.7	4.3	4.3	4.1
KY-31	4.0	8.0	2.0	3.0	3.3	5.0	5	3.0	3.0	2.3	3.3
LSD VALUE	1.9	5.5	1.1	1.5	2.0	1.8	0	1.9	2.2	1.5	0.7
C.V. (%)	9.9	34.2	14.1	15.3	14.1	10.6	0	15.1	15.8	14.3	8.2

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

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

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT MISS. ST., MS 1/  
2016 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	
CROSSFIRE 4 (IS-TF 310 SEL)	6.0	6.0	6.0	5.7	6.3	6.0	7.0	6.7	7.0	6.7	7.0	6.0	5.7	5.0	5.7	5.7	6.2
IS-TF 269 SEL	6.0	6.0	5.7	5.7	6.3	6.7	6.7	6.7	7.0	6.7	6.0	6.0	5.3	5.0	6.0	5.7	6.2
TURFWAY (IS-TF 282 M2)	6.0	6.0	7.0	5.3	6.3	6.3	6.7	7.0	7.3	7.0	6.3	6.3	5.3	4.7	5.7	5.3	6.2
FIREBIRD 2	6.0	6.0	6.0	6.0	6.3	6.3	6.7	7.0	7.3	7.0	6.7	6.0	4.7	4.3	5.0	5.3	6.1
JS 916	6.0	6.3	6.0	6.0	6.3	6.3	7.0	7.0	7.0	7.0	6.3	6.3	4.7	4.3	5.0	5.3	6.1
KINGDOM (DB1)	6.0	5.7	6.0	6.0	6.0	6.3	6.0	7.0	7.3	7.0	6.7	6.0	4.7	5.0	5.3	5.3	6.1
LEONARDO (LTP-FSD)	6.0	7.0	6.0	6.0	6.7	6.7	6.7	7.0	7.0	7.0	6.3	6.0	5.0	4.7	5.3	5.3	6.1
RAPTOR III (ZW 44)	6.0	6.3	6.0	6.0	6.3	7.0	7.0	7.0	7.0	7.0	6.7	5.7	4.7	4.3	5.0	5.0	6.1
TECHNIQUE (RZ2)	6.0	6.0	6.0	6.0	6.3	6.7	6.7	6.7	7.0	6.7	6.7	6.3	5.0	4.7	5.3	5.3	6.1
TEMPLE (DZ1)	6.0	6.0	6.0	6.0	6.3	6.3	6.7	6.7	7.0	6.7	6.3	6.3	5.3	5.0	5.7	5.3	6.1
BAR FA 121095	6.0	5.7	6.0	5.7	6.0	6.0	6.3	6.3	7.0	6.3	6.0	6.0	5.3	5.3	6.0	5.7	6.0
FAITH	6.0	6.7	6.0	6.3	6.3	6.3	6.7	7.0	7.3	7.3	6.3	5.7	4.7	4.7	4.7	5.0	6.0
FOXHOUND (IS-TF 284 M2)	6.0	6.0	6.7	6.0	6.0	6.0	6.3	6.7	7.0	7.0	6.7	6.0	5.3	4.7	5.3	5.3	6.0
HOVER (BURL TF-69)	6.0	6.3	6.0	5.7	6.0	6.7	6.7	7.0	7.0	6.7	6.0	6.0	5.0	4.7	5.0	5.0	6.0
MAESTRO (T31)	6.0	6.3	6.0	6.0	6.3	6.3	6.7	6.7	6.7	6.7	6.0	6.0	5.0	4.7	5.3	5.3	6.0
MERIDIAN (PST-5GRB)	6.0	6.0	6.0	5.7	7.0	7.0	7.0	7.0	7.0	6.7	6.3	5.7	4.0	4.0	5.0	5.0	6.0
MICHELANGELO (LTP-F5DPDR)	6.0	6.3	5.7	6.0	6.0	6.3	6.3	6.7	6.7	6.7	6.3	6.0	5.0	5.0	5.3	5.3	6.0
PST-5EX2	5.3	6.3	5.3	5.7	6.3	6.3	6.7	7.0	6.7	7.0	6.0	6.0	5.0	4.0	5.3	5.3	6.0
RAD-TF-92	6.0	6.0	6.0	5.3	6.0	6.0	7.0	6.7	7.0	6.7	6.3	6.0	5.0	4.7	5.3	5.3	6.0
REBOUNDER (PICK-W43)	6.0	6.0	6.0	6.0	6.0	5.7	6.0	6.7	7.0	6.7	6.3	6.3	5.3	5.0	5.3	5.3	6.0
ROCKWELL (LTP-TWUJ)	6.0	6.0	6.0	6.0	6.0	6.7	7.0	7.0	7.0	6.7	6.3	6.0	4.3	4.7	5.3	5.3	6.0
VALKYRIE LS (PPG-TF-172)	6.0	6.0	6.0	5.7	6.7	7.0	6.7	6.7	7.0	7.0	6.0	5.7	4.7	4.7	5.0	5.3	6.0
W41	6.0	6.3	6.3	6.0	6.3	6.3	6.3	6.3	7.3	7.0	6.3	6.0	4.7	4.7	5.3	5.3	6.0
4TH MILLENNIUM SRP (U43)	6.0	6.0	6.0	6.0	6.0	5.7	6.0	5.7	6.3	6.3	5.7	6.3	5.7	5.3	6.0	5.7	5.9
ATF 1612	6.0	6.0	6.0	6.0	6.3	6.3	7.0	7.0	7.0	7.0	6.3	6.0	4.3	4.0	5.0	5.0	5.9
ATF 1754	6.0	6.0	6.0	6.0	6.7	6.3	6.7	7.0	7.0	6.7	6.0	5.7	4.7	4.3	5.0	5.0	5.9
BIZEM	6.0	6.7	6.0	5.7	6.3	7.0	7.0	7.0	7.0	6.7	6.0	5.7	4.3	4.3	5.3	4.7	5.9
FIREWALL (PSG-WE1)	6.0	6.0	6.0	6.0	6.0	6.3	6.7	7.0	7.0	7.0	6.7	6.0	4.3	4.3	4.7	5.3	5.9
GRANDE 3	6.0	6.0	6.0	5.7	6.0	6.0	6.3	6.7	7.0	7.0	6.0	5.7	5.3	5.0	5.3	5.0	5.9
K12-05	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.7	7.0	7.0	6.0	6.0	5.0	4.3	5.3	5.0	5.9
K12-MCD	6.0	6.0	6.0	6.0	5.7	6.0	6.0	6.7	6.7	6.7	6.3	6.0	4.7	5.0	5.3	5.7	5.9
MEMPHIS (GO-DFR)	6.0	6.0	6.0	5.7	6.0	6.0	6.3	7.0	7.0	6.7	6.0	5.7	4.7	4.7	5.0	5.3	5.9
PPG-TF-169	6.0	6.7	6.0	6.0	6.0	6.7	6.3	7.0	7.0	7.0	6.0	6.0	4.3	4.3	5.3	5.3	5.9
PSG-P01	6.0	6.3	6.0	6.0	6.0	6.0	6.7	6.7	7.0	6.7	6.0	5.7	5.0	4.7	5.0	5.0	5.9
RAD-TF-83	6.0	6.0	6.0	5.0	6.0	6.0	6.0	7.0	7.0	6.3	6.0	6.0	5.0	4.7	6.0	5.3	5.9
SALTILLO (PST-5SALT)	5.7	5.3	6.0	5.0	6.0	6.3	6.0	6.7	6.7	6.7	6.0	5.7	5.0	4.7	5.7	5.3	5.9
SUPERSONIC (PPG-TF-170)	6.0	6.0	6.0	6.0	6.3	6.3	6.7	6.7	7.0	6.7	6.0	6.0	5.0	4.3	5.0	5.3	5.9
WICHITA (PPG-TF-151)	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.3	7.0	7.0	6.7	5.7	4.7	4.7	4.7	5.3	5.9
AMITY (CCR2)	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.7	7.0	7.0	6.0	5.7	4.7	4.3	4.7	5.0	5.8
ATF 1704	6.0	6.0	6.0	5.7	6.3	6.3	6.3	6.7	7.0	6.7	6.3	5.3	4.0	4.0	5.0	5.0	5.8
ATF 1736	6.0	6.0	6.0	5.7	6.3	6.0	6.3	6.3	7.0	6.7	6.3	5.7	4.7	4.3	5.0	5.0	5.8
AVENGER II (PPG-TF-156)	6.0	6.3	6.0	6.0	6.3	6.7	6.7	7.0	7.0	7.0	6.3	5.7	4.0	4.0	4.3	5.0	5.8
BAR FA 121091	6.0	5.7	5.7	5.0	5.7	6.0	6.0	6.3	7.0	6.3	6.0	5.7	5.0	4.7	5.7	5.0	5.8
BLACK TAIL (PPG-TF-150)	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.7	7.0	6.7	6.7	6.0	4.7	4.0	4.7	4.7	5.8
FAYETTE (IS-TF 291)	6.0	6.7	6.3	6.0	5.7	5.7	6.0	6.7	6.7	6.3	6.3	6.0	5.3	4.3	5.3	5.3	5.8

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT MISS. ST., MS 1/  
2016 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	6.0	6.7	5.7	6.0	6.0	6.3	6.7	7.0	7.0	6.7	6.3	5.3	4.0	4.3	5.0	5.0	5.8
GTO (BURL TF-2)	6.0	6.0	6.0	6.0	6.0	5.7	6.0	6.3	6.7	6.7	6.3	6.0	5.0	4.3	5.3	5.0	5.8
IS-TF 272	6.0	5.0	6.0	6.0	6.3	6.7	6.3	7.0	6.7	6.3	6.3	6.0	4.3	4.0	4.7	5.0	5.8
MET 1	6.0	6.3	6.0	6.0	6.0	6.0	6.0	6.3	6.3	7.0	6.7	5.7	4.7	4.3	5.0	5.0	5.8
PARAMOUNT (PPG-TF-137)	6.0	6.3	6.0	5.7	6.0	6.3	6.3	6.3	6.7	6.7	6.0	5.3	4.7	4.3	5.0	5.3	5.8
PPG-TF-115	6.0	6.0	6.0	6.0	6.0	5.7	6.7	6.7	6.7	6.3	6.0	5.7	4.7	4.7	5.0	5.0	5.8
PPG-TF-135	6.0	6.0	6.0	5.7	6.3	6.3	6.7	6.3	7.3	6.7	6.0	5.7	4.3	4.0	5.0	5.0	5.8
PSG-TT4	5.3	6.0	5.3	6.0	6.0	6.0	5.7	6.7	6.3	6.7	6.0	6.0	5.0	4.7	5.3	5.3	5.8
PST-5BPO	6.0	6.0	5.7	5.3	5.7	6.0	6.3	6.3	6.7	6.3	6.3	5.3	5.0	4.7	5.0	5.3	5.8
PST-5MVD	5.7	5.7	6.0	5.3	6.0	6.0	6.3	7.0	6.7	6.7	6.3	6.0	4.3	4.0	4.7	5.0	5.8
RAD-TF-89	6.3	5.7	6.0	5.0	6.0	6.0	6.7	7.0	7.0	6.3	6.3	6.0	4.7	4.3	4.7	4.7	5.8
RAIN DANCE (PST-5SDT)	6.0	6.0	5.3	5.7	5.7	6.0	6.3	6.3	6.7	6.7	6.3	5.7	4.7	4.7	5.3	5.3	5.8
REGENERATE	6.0	6.0	6.0	6.0	6.0	6.3	6.7	6.7	7.0	6.7	6.7	6.0	4.3	4.0	4.3	4.7	5.8
THOR (PPG-TF-157)	6.0	6.0	6.0	6.0	6.3	6.7	6.3	6.7	6.7	6.7	6.3	5.7	4.7	4.0	5.0	5.0	5.8
TRAVERSE 2 SRP (W45)	6.0	6.3	6.0	6.0	6.0	6.3	6.3	6.3	7.0	6.7	6.3	5.7	4.3	4.7	4.7	5.0	5.8
CAESAR (TY 10)	6.3	6.3	6.0	6.0	6.3	6.0	6.3	6.3	7.0	6.7	6.0	5.3	4.3	4.3	5.0	5.0	5.7
F711	6.0	6.0	6.0	6.0	6.0	5.7	6.3	6.7	6.7	6.7	6.0	6.3	4.3	4.0	5.0	5.0	5.7
FALCON IV	6.0	6.0	5.7	6.0	6.0	6.0	6.3	6.7	6.7	6.0	6.0	6.0	4.7	4.0	5.3	5.0	5.7
FIRECRACKER SLS (PPG-TF-105)	6.0	6.0	6.0	5.7	5.7	5.7	5.7	6.7	6.7	7.0	6.0	6.0	4.7	4.0	5.0	5.0	5.7
HOUNDG8 (IS-TF 307 SEL)	6.0	6.0	6.0	6.0	6.3	6.3	6.3	6.7	7.0	7.0	6.3	5.7	4.0	3.7	4.7	4.7	5.7
IS-TF 276 M2	6.0	6.0	6.0	6.0	6.0	6.0	6.7	6.7	6.7	6.7	6.0	6.0	4.0	4.3	4.7	5.0	5.7
IS-TF 308 SEL	6.0	6.0	6.0	5.3	6.0	6.0	6.0	6.7	6.7	6.7	6.0	5.7	4.0	4.3	5.0	5.0	5.7
JS 825	5.7	5.0	5.7	5.0	6.0	6.0	6.0	6.3	7.0	6.0	6.0	5.7	4.7	4.3	5.3	5.0	5.7
MET-3	6.0	6.3	6.0	6.3	6.0	6.3	5.7	6.3	7.0	7.0	6.3	5.7	4.3	4.3	5.0	4.7	5.7
PSG-GSD	6.0	6.0	5.7	6.0	6.3	6.3	6.7	6.7	6.7	7.0	6.3	5.7	4.0	3.7	4.7	4.7	5.7
REFLECTION (U45)	6.0	6.0	6.0	6.0	5.3	6.0	6.3	6.3	6.7	6.3	6.0	6.0	4.7	4.7	5.0	5.0	5.7
SCREAMER LS (PPG-TF-148)	6.0	6.3	6.0	6.0	6.0	6.7	6.7	6.7	7.0	7.0	6.3	5.3	3.7	3.7	4.7	5.0	5.7
THUNDERSTRUCK (TD1)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.7	7.0	7.0	6.3	5.3	4.0	4.7	4.7	5.0	5.7
204 RES. BLK4	6.0	5.3	6.0	5.7	6.0	6.0	6.0	6.7	6.0	6.0	6.0	5.3	4.7	4.3	5.0	5.0	5.6
BAR FA 121089	6.0	5.7	6.0	5.3	6.0	5.7	6.7	6.3	6.3	6.3	5.7	5.3	4.7	4.7	5.0	4.7	5.6
BULLSEYE	6.0	6.0	6.0	6.0	5.7	6.0	6.3	6.3	6.7	6.3	6.0	5.7	4.3	4.0	4.3	5.0	5.6
EMBRACE (PST-5EV2)	6.0	6.0	6.0	6.0	5.7	5.7	6.0	6.0	6.7	7.0	6.3	5.3	4.3	4.3	4.7	5.0	5.6
HOT ROD (BURL TF-136)	6.0	5.7	6.0	5.3	6.0	6.0	6.3	6.0	6.3	6.7	6.3	5.7	4.3	4.0	4.7	4.7	5.6
INSPIRATION (PST-R5NW)	6.0	5.7	5.0	5.7	6.0	5.3	6.0	6.3	6.3	6.7	6.3	5.7	4.0	4.0	5.0	5.0	5.6
IS-TF 311	6.0	5.7	6.0	6.0	6.0	6.0	5.7	6.0	6.0	5.7	5.3	5.7	5.3	5.0	5.3	5.3	5.6
IS-TF-287	6.0	6.0	6.0	5.3	5.7	5.7	6.3	6.7	6.7	6.7	6.0	5.7	4.0	4.0	4.7	5.0	5.6
JS 809	5.7	5.0	6.0	5.7	6.3	6.0	6.0	7.0	6.3	6.0	6.0	6.0	4.7	4.0	4.7	4.7	5.6
JS 818	6.0	5.7	6.0	5.3	6.0	6.3	6.0	6.7	7.0	6.3	6.0	5.3	4.7	4.0	4.7	4.7	5.6
JS 819	6.0	5.7	6.0	5.7	6.0	5.7	6.0	6.3	6.7	6.7	6.0	5.7	4.0	4.3	4.7	4.7	5.6
PPG-TF-138	6.0	6.7	6.0	6.0	6.0	6.7	6.7	7.0	7.0	7.0	6.0	5.3	3.7	3.7	3.7	4.0	5.6
RHIZING MOON (IS-TF 305 SEL)	6.0	6.0	6.0	6.0	5.7	5.7	6.0	6.3	6.7	6.3	6.3	5.3	4.7	4.7	5.0	5.0	5.6
TITANIUM 2LS (PPG-TF-152)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.7	6.7	7.0	6.3	5.7	4.3	3.7	4.3	4.7	5.6
WARHAWK	6.0	5.3	6.3	5.7	6.3	6.0	6.0	7.0	7.0	6.3	6.3	4.7	4.3	4.0	4.7	5.0	5.6
ANNIHILATOR	6.0	5.3	6.0	5.3	6.0	5.7	6.0	6.3	6.0	5.7	5.7	5.0	5.0	4.3	5.3	5.3	5.5
AQUADUCT	5.7	5.3	5.7	5.0	6.0	6.0	5.7	6.3	6.0	6.3	6.0	5.3	4.3	4.0	5.0	5.0	5.5

TABLE 13. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT MISS. ST., MS 1/  
2016 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	
BLOODHOUND (MET 6 SEL)	6.0	6.0	6.0	6.0	5.7	5.7	5.3	6.0	6.0	6.3	6.3	6.0	4.3	4.3	5.3	5.0	5.5
DIABLO (IS-TF 330)	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.0	6.0	5.3	4.3	4.3	4.7	5.0	5.5
FRONTLINE (EXP TF-09)	7.0	6.0	5.3	6.0	6.0	6.0	6.3	6.3	6.3	6.0	6.0	5.3	4.0	4.0	5.0	5.0	5.5
HEMI	6.0	6.0	6.0	6.0	5.7	6.0	5.3	5.7	6.3	6.0	6.0	6.0	4.7	4.0	5.0	5.0	5.5
K12-13	6.0	5.3	6.7	5.7	5.7	5.7	5.7	6.0	6.7	6.3	6.0	5.7	4.7	4.3	5.0	4.7	5.5
OLYMPUS (RAD-TF-88)	6.0	5.3	6.0	5.3	5.7	6.0	5.7	6.3	6.0	5.7	6.0	5.7	4.3	4.7	5.0	5.0	5.5
ROWDY (SRX-TPC)	6.0	6.0	6.0	6.0	5.3	5.7	5.7	6.0	6.7	6.7	5.7	5.7	4.3	4.3	5.0	5.0	5.5
TERRANO	6.0	6.0	5.3	6.0	6.0	6.0	6.7	6.7	7.0	6.7	6.0	5.3	3.3	3.7	4.0	4.3	5.5
UNITUS (IS-TF 289)	6.3	5.7	6.0	5.7	6.0	6.0	5.3	6.3	6.3	6.3	5.7	5.3	4.3	4.7	5.0	5.0	5.5
XTENDER (PPG-TF-139)	6.0	6.3	6.0	5.7	5.7	6.0	6.0	6.7	6.3	6.3	6.3	5.7	4.3	4.0	4.3	4.7	5.5
COMP. RES. SST	6.0	5.7	6.3	5.7	5.7	5.7	6.0	6.0	6.0	5.7	6.0	5.3	4.3	4.7	5.0	4.7	5.4
MARAUDER	6.0	5.3	6.0	6.0	5.7	5.7	6.0	6.7	6.0	5.7	6.0	5.7	4.0	4.0	5.0	5.0	5.4
PSG-8BP2	6.0	5.7	5.0	6.0	6.0	6.0	5.7	6.3	6.0	5.7	6.0	5.7	4.3	4.3	4.7	4.7	5.4
PST-5BRK	5.7	5.7	6.0	5.7	6.0	5.7	6.0	6.0	6.3	6.3	5.7	5.7	4.3	4.0	4.7	4.7	5.4
PST-5DZP	6.0	6.0	6.0	5.7	5.7	5.7	6.0	6.3	6.3	6.7	5.7	5.3	4.3	4.0	4.7	4.7	5.4
SWAGGER (PST-5R05)	6.0	6.0	6.0	5.3	6.0	5.7	6.0	6.7	6.7	6.3	5.7	5.3	4.0	4.0	4.3	4.7	5.4
B23	6.3	6.3	6.0	6.0	5.3	5.7	6.0	6.3	6.3	6.3	5.7	5.0	3.7	4.0	4.3	4.7	5.3
NIGHTCRAWLER (IS-TF 285)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.7	7.0	6.7	6.0	5.3	3.3	3.3	3.7	3.7	5.3
CATALYST	6.0	6.3	6.0	6.0	5.3	5.3	5.3	5.7	6.3	6.3	6.0	5.7	3.7	3.7	4.3	4.7	5.2
ARES (PPG-TF-142)	6.0	6.0	6.3	6.0	5.3	5.7	5.7	5.7	6.0	5.7	5.7	5.3	4.0	4.0	4.3	4.3	5.1
BAR FA 120878	5.0	5.3	4.0	5.0	5.0	5.3	5.0	5.0	5.0	5.3	5.3	5.0	5.0	5.0	5.0	5.0	5.1
DYNAMITE LS (PPG-TF-145)	6.0	5.7	6.0	5.7	5.3	5.3	5.3	6.0	6.0	5.3	6.0	5.0	4.0	4.0	4.7	4.7	5.1
RHAMBLER 2 SRP (LSD)	6.0	6.0	6.0	5.7	5.0	5.7	5.0	5.0	6.0	6.3	6.0	5.7	4.0	4.0	4.3	4.7	5.1
TEMPTATION (OR-21)	6.3	6.0	5.7	5.7	5.0	5.3	5.0	5.7	5.7	5.0	5.0	5.0	4.3	4.7	4.7	4.7	5.0
FALCON V	6.0	6.0	6.0	6.0	5.7	5.7	5.3	6.0	5.7	6.0	5.7	4.3	3.3	3.3	3.3	3.7	4.8
KY-31	4.0	5.7	3.0	4.7	4.3	4.3	4.7	4.7	4.3	4.3	4.7	4.7	4.0	4.0	4.3	4.3	4.4
LSD VALUE	0.3	0.7	0.4	0.8	1.9	1.4	1.5	1.3	0.9	1.1	1.2	1.7	2.0	1.3	1.3	1.6	0.7
C.V. (%)	3.4	6.4	4.5	6.7	9.7	9.3	10.5	9.0	7.5	8.7	7.8	9.9	15.7	12.6	12.0	10.6	6.0

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

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

TABLE 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/  
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS									MEAN
				FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
PST-5EX2	8.0	8.0	8.0	6.7	7.0	6.3	6.7	7.0	5.3	6.3	6.7	8.0	6.7
F711	8.0	8.0	8.0	6.3	6.0	6.7	7.7	7.7	5.7	6.0	6.3	7.0	6.6
RAPTOR III (ZW 44)	8.0	7.3	8.0	6.3	5.7	6.7	7.7	7.0	5.3	6.7	6.7	7.7	6.6
TRAVERSE 2 SRP (W45)	8.0	7.7	8.0	6.0	6.0	6.3	7.3	6.7	5.3	6.7	6.3	7.0	6.4
BIZEM	8.0	8.0	8.0	6.3	6.3	6.7	6.7	7.0	5.0	5.3	6.0	7.0	6.3
GTO (BURL TF-2)	8.0	8.0	8.0	6.3	7.0	7.0	6.7	6.3	5.7	5.3	5.7	6.7	6.3
LEONARDO (LTP-FSD)	8.0	8.0	8.0	6.0	6.3	6.3	7.3	6.7	5.0	5.3	6.0	7.3	6.3
MET-3	8.0	7.7	8.0	5.7	5.7	7.0	8.3	7.7	5.3	5.0	5.5	7.0	6.3
REGENERATE	8.0	7.7	8.0	5.7	6.3	6.7	7.7	7.0	6.0	6.0	5.0	6.0	6.3
AMITY (CCR2)	8.0	8.0	8.0	6.7	6.7	7.0	7.3	6.7	5.3	5.7	4.7	5.7	6.2
BLACK TAIL (PPG-TF-150)	8.0	7.7	8.0	6.3	6.7	6.7	7.7	6.7	5.3	6.0	5.0	5.7	6.2
VALKYRIE LS (PPG-TF-172)	8.0	8.0	8.0	6.3	7.0	7.3	7.7	7.3	5.0	4.7	4.3	6.0	6.2
4TH MILLENNIUM SRP (U43)	8.0	8.0	8.0	6.0	6.0	6.7	7.3	6.7	5.0	6.0	5.3	5.7	6.1
ATF 1704	8.0	8.0	8.0	6.7	6.7	6.7	7.0	7.0	5.7	5.0	4.7	5.7	6.1
BLOODHOUND (MET 6 SEL)	8.0	8.0	8.0	6.3	6.7	6.7	6.7	6.3	6.0	6.0	5.0	5.0	6.1
EMBRACE (PST-5EV2)	8.0	8.0	8.0	5.3	5.7	6.3	7.3	7.0	5.7	5.7	6.0	6.3	6.1
IS-TF 311	8.0	8.0	8.0	5.7	6.0	6.3	7.0	7.0	6.0	6.0	5.3	5.3	6.1
MAESTRO (T31)	8.0	8.0	8.0	5.3	5.7	7.0	7.7	7.3	5.3	5.0	5.7	6.3	6.1
MET 1	7.7	8.0	8.3	6.0	6.0	5.7	6.7	6.7	5.7	6.0	5.7	6.3	6.1
MICHELANGELO (LTP-F5DPDR)	8.0	7.7	8.0	6.3	6.3	6.3	6.7	6.3	5.3	5.0	6.0	7.0	6.1
PPG-TF-135	8.0	8.0	8.0	6.3	6.0	6.7	7.0	6.3	4.7	5.0	5.7	7.0	6.1
PST-5BP0	8.0	7.7	7.7	5.0	5.7	6.3	7.0	6.7	5.0	5.3	6.3	7.3	6.1
PST-5BRK	8.0	7.7	8.0	5.0	5.3	6.0	6.7	7.0	5.3	5.7	6.3	7.3	6.1
TECHNIQUE (RZ2)	8.0	8.0	8.0	5.7	6.7	7.0	7.7	7.3	5.7	5.3	4.7	5.3	6.1
WICHITA (PPG-TF-151)	8.0	8.0	8.0	6.0	6.0	7.0	7.3	7.0	5.3	4.3	5.3	6.7	6.1
AVENGER II (PPG-TF-156)	8.0	8.0	8.0	5.7	5.7	6.3	6.7	6.3	5.3	5.7	5.7	6.3	6.0
FIREBIRD 2	8.0	8.0	8.0	5.7	6.0	6.7	7.3	7.0	5.3	5.0	5.3	5.7	6.0
RAIN DANCE (PST-5SDT)	8.0	8.0	8.0	5.3	6.0	6.0	6.7	6.7	5.0	5.3	6.0	7.3	6.0
REFLECTION (U45)	8.0	7.7	8.0	6.0	5.7	6.0	7.0	7.0	5.7	5.3	5.3	5.7	6.0
SALTILLO (PST-5SALT)	7.7	7.3	8.0	4.7	5.3	6.3	6.7	6.7	5.0	6.0	6.3	7.0	6.0
GRANDE 3	7.7	8.0	7.7	6.0	6.0	5.7	6.7	6.3	4.7	5.0	5.7	7.0	5.9
HEMI	8.0	7.7	8.0	6.7	6.3	6.7	7.0	6.7	6.0	6.3	3.3	4.0	5.9
HOT ROD (BURL TF-136)	7.7	8.0	8.0	6.0	6.0	6.7	6.7	6.7	5.0	4.7	5.3	6.3	5.9
IS-TF 308 SEL	8.0	7.3	8.0	5.7	5.3	6.0	7.3	7.3	5.3	5.3	5.0	6.0	5.9
PARAMOUNT (PPG-TF-137)	8.0	7.7	8.0	5.3	5.7	6.0	6.7	6.0	5.7	5.0	5.7	7.0	5.9
ROCKWELL (LTP-TWUU)	8.0	8.0	8.0	6.3	6.3	6.7	7.0	7.0	5.0	4.7	5.0	5.3	5.9
THOR (PPG-TF-157)	8.0	8.0	8.0	5.3	5.3	6.0	7.3	6.3	5.0	4.7	5.7	7.3	5.9
W41	8.0	8.0	8.0	4.7	5.7	6.0	7.7	7.7	4.3	5.0	5.3	6.7	5.9
XTENDER (PPG-TF-139)	8.0	7.7	8.0	5.3	5.7	6.0	7.0	7.0	5.3	5.3	5.0	6.0	5.9
ATF 1754	8.0	8.0	8.0	5.7	6.0	6.3	6.7	6.3	5.3	5.0	5.3	5.7	5.8
CROSSFIRE 4 (IS-TF 310 SEL)	8.0	8.0	8.0	5.3	5.3	6.3	7.7	7.0	5.0	5.3	4.3	5.7	5.8
FESNOVA	8.0	7.7	8.0	5.3	6.0	6.0	7.0	6.3	5.0	5.0	5.0	6.3	5.8
FIRECRACKER SLS (PPG-TF-105)	8.0	7.3	8.0	4.7	5.0	6.3	7.3	7.0	5.0	4.7	5.7	6.7	5.8
TITANIUM 2LS (PPG-TF-152)	8.0	7.7	8.0	6.0	6.0	6.3	7.3	7.0	5.3	4.0	4.7	5.7	5.8
ATF 1736	7.7	7.7	7.3	5.0	5.3	6.0	6.7	6.3	4.3	5.3	5.7	6.7	5.7



TABLE 14. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/  
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS									MEAN
				FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
CAESAR (TY 10)	8.0	7.7	8.0	5.0	5.3	6.3	7.3	6.7	4.7	4.3	5.7	6.3	5.7
FAITH	8.0	8.0	8.0	5.7	5.7	6.0	7.0	6.7	4.7	5.0	5.3	5.3	5.7
FIREWALL (PSG-WE1)	7.7	7.7	8.0	6.0	6.0	5.7	6.3	6.3	4.7	5.0	5.3	6.3	5.7
PSG-P01	8.0	8.0	8.0	5.7	6.0	6.3	6.3	6.0	5.0	5.3	5.3	5.3	5.7
REBOUNDER (PICK-W43)	8.0	8.0	8.0	5.7	6.0	6.7	7.0	6.7	5.3	5.0	4.3	5.0	5.7
ROWDY (SRX-TPC)	8.0	7.0	8.0	6.0	5.0	5.3	6.7	7.0	5.0	4.7	5.3	6.3	5.7
ATF 1612	8.0	7.7	8.0	5.0	5.7	6.0	6.7	6.3	5.0	5.0	4.7	6.0	5.6
CATALYST	8.0	8.0	8.0	5.0	5.7	6.0	7.7	7.3	5.3	4.7	4.0	3.5	5.6
DIABLO (IS-TF 330)	8.0	8.0	8.0	5.0	5.3	5.3	7.3	7.0	4.3	4.3	5.3	6.3	5.6
HOUNDOG8 (IS-TF 307 SEL)	8.0	7.7	8.0	4.7	5.0	6.0	7.0	6.7	5.0	4.3	5.3	6.3	5.6
JS 809	8.0	7.3	8.0	4.7	5.0	6.3	7.7	6.7	4.3	4.7	4.7	6.3	5.6
K12-MCD	8.0	7.3	7.7	5.0	6.0	6.0	6.7	6.7	4.7	4.3	4.7	6.0	5.6
PST-5MVD	8.0	7.7	8.0	5.0	5.3	6.0	7.0	6.7	5.0	4.7	5.0	5.7	5.6
SCREAMER LS (PPG-TF-148)	8.0	8.0	8.0	6.0	6.3	6.0	6.7	6.3	5.3	4.3	4.3	5.3	5.6
SUPERSONIC (PPG-TF-170)	7.7	8.0	7.7	4.7	5.0	5.7	6.3	6.7	4.7	4.3	6.0	7.3	5.6
SWAGGER (PST-5R05)	8.0	7.3	8.0	5.0	5.7	6.0	6.7	6.7	5.3	4.0	5.3	5.3	5.6
TEMPTATION (OR-21)	8.0	7.0	8.0	5.7	5.0	5.7	6.7	6.3	4.7	4.7	5.3	6.0	5.6
IS-TF 269 SEL	8.0	6.7	8.0	5.3	5.0	5.3	6.3	6.3	5.0	5.0	4.7	6.3	5.5
IS-TF-287	8.0	8.0	8.0	5.0	5.7	5.7	6.7	6.7	5.7	4.3	4.3	5.3	5.5
PPG-TF-169	8.0	8.0	8.0	5.3	5.7	6.0	7.0	7.0	5.7	4.3	3.7	4.7	5.5
RAD-TF-92	8.0	7.7	8.0	5.0	5.3	5.7	7.3	6.3	5.3	4.3	4.7	5.0	5.5
RHIZING MOON (IS-TF 305 SEL)	8.0	7.3	8.0	5.3	5.3	5.3	6.3	6.0	5.0	4.7	5.3	6.0	5.5
AQUADUCT	8.0	7.3	7.7	5.3	5.0	5.7	6.7	6.3	5.3	4.7	4.3	5.3	5.4
B23	8.0	7.0	8.0	4.7	5.0	5.7	6.7	6.7	5.0	5.0	4.7	5.3	5.4
BAR FA 121089	8.0	7.7	8.0	4.7	5.3	5.7	6.3	6.3	4.3	4.3	5.3	6.0	5.4
BULLSEYE	7.7	7.7	8.0	4.7	5.0	5.7	6.3	6.0	4.3	5.0	5.7	6.0	5.4
HOVER (BURL TF-69)	8.0	7.7	8.0	5.0	5.7	5.7	6.7	6.7	5.3	5.0	4.3	4.3	5.4
JS 916	8.0	7.0	8.0	4.7	4.7	5.3	6.3	6.3	4.7	4.7	5.3	6.7	5.4
KINGDOM (DB1)	7.7	6.7	8.0	5.3	4.7	5.3	6.7	6.3	4.7	4.7	5.3	6.0	5.4
MERIDIAN (PST-5GRB)	8.0	7.3	8.0	4.3	4.7	6.3	6.7	6.3	4.7	4.5	5.5	7.0	5.4
RHAMBLER 2 SRP (LSD)	8.0	7.0	8.0	4.7	4.3	5.0	7.0	6.7	5.3	5.0	5.0	5.7	5.4
TERRANO	7.7	7.3	8.0	5.0	5.3	5.7	6.7	6.7	4.7	4.0	4.7	6.3	5.4
FAYETTE (IS-TF 291)	8.0	8.0	8.0	4.0	5.0	5.3	6.7	6.3	4.7	5.0	5.0	5.7	5.3
PPG-TF-115	8.0	7.7	8.0	5.0	5.0	5.7	6.3	6.3	4.0	4.3	4.7	6.7	5.3
PPG-TF-138	8.0	7.3	8.0	4.7	5.0	5.3	6.0	6.0	5.3	4.3	5.3	5.7	5.3
TEMPLE (DZ1)	8.0	8.0	8.0	4.7	5.0	5.7	6.7	6.3	5.0	4.3	4.7	5.0	5.3
THUNDERSTRUCK (TD1)	7.7	6.7	8.0	5.3	4.0	5.3	7.3	6.7	4.3	4.3	5.0	5.3	5.3
TURFWAY (IS-TF 282 M2)	7.7	7.3	8.0	5.3	5.3	5.3	6.3	6.3	4.3	4.3	4.7	5.3	5.3
FALCON V	8.0	8.0	7.7	4.7	5.7	6.0	6.7	6.7	5.0	4.3	3.3	4.3	5.2
FOXHOUND (IS-TF 284 M2)	8.0	7.3	8.0	5.0	5.0	5.7	6.7	5.7	4.7	4.0	4.3	5.7	5.2
IS-TF 276 M2	8.0	7.3	8.0	4.3	4.3	5.7	6.7	6.3	4.3	4.0	5.0	6.0	5.2
KY-31	6.0	8.0	5.7	4.3	5.0	6.0	6.3	6.0	3.7	4.0	5.3	6.3	5.2
MEMPHIS (GO-DFR)	8.0	7.3	8.0	5.0	4.7	5.3	6.3	6.0	4.3	4.0	5.5	7.0	5.2
PSG-TT4	8.0	7.3	8.0	4.7	4.7	6.0	6.0	6.3	4.7	4.3	4.7	5.7	5.2
RAD-TF-89	8.0	7.3	8.0	5.0	5.0	5.3	6.7	6.7	4.3	4.3	4.3	5.0	5.2

TABLE 14. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/  
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS									MEAN
				FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
INSPIRATION (PST-R5NW)	7.7	6.7	7.3	5.3	5.3	5.0	6.0	6.3	4.7	4.3	4.3	4.7	5.1
JS 818	8.0	7.3	8.0	4.7	5.0	5.3	6.0	5.3	4.3	4.3	5.0	5.7	5.1
PSG-GSD	8.0	7.7	7.7	5.0	5.3	5.7	6.7	6.3	4.3	3.7	4.3	4.7	5.1
204 RES. BLK4	8.0	7.3	8.0	4.7	4.7	5.7	7.0	6.0	2.7	4.0	4.7	5.7	5.0
ARES (PPG-TF-142)	8.0	7.3	8.0	4.0	4.7	5.0	6.0	6.0	5.3	4.3	4.7	4.7	5.0
IS-TF 272	8.0	7.3	8.0	5.0	5.0	4.7	6.3	6.3	5.0	4.7	4.0	4.3	5.0
K12-13	8.0	7.0	8.0	4.3	4.3	5.3	6.3	5.7	3.7	4.3	4.7	6.0	5.0
BAR FA 121095	8.0	7.0	8.0	4.3	4.3	5.0	6.3	5.7	4.3	4.0	4.7	5.0	4.9
JS 819	8.0	7.0	7.7	4.7	4.7	4.7	5.7	5.0	4.3	4.3	5.0	5.7	4.9
K12-05	8.0	7.3	8.0	4.7	4.7	5.3	6.7	5.7	3.7	3.7	4.0	5.0	4.9
OLYMPUS (RAD-TF-88)	8.0	7.0	8.0	4.7	4.7	5.0	6.3	6.0	4.3	4.0	4.0	5.0	4.9
DYNAMITE LS (PPG-TF-145)	8.0	7.3	8.0	4.7	4.3	4.7	6.0	6.7	4.0	3.0	4.0	6.0	4.8
FALCON IV	8.0	7.7	7.3	4.7	5.0	5.7	6.7	6.3	4.3	3.3	3.3	3.7	4.8
FRONTLINE (EXP TF-09)	8.0	7.7	7.7	4.7	5.0	5.3	5.3	5.7	4.0	3.3	5.0	5.0	4.8
JS 825	7.7	6.7	7.7	5.0	4.7	4.7	6.0	5.7	4.0	3.7	4.3	5.3	4.8
NIGHTCRAWLER (IS-TF 285)	8.0	6.7	7.3	5.0	4.7	4.7	6.0	6.0	4.3	4.3	3.7	4.7	4.8
PSG-8BP2	8.0	7.3	8.0	4.0	4.3	5.3	6.0	6.0	4.0	3.7	4.0	6.0	4.8
PST-5DZP	8.0	7.0	8.0	4.7	4.3	4.7	6.3	6.7	4.0	4.0	4.0	4.7	4.8
UNITUS (IS-TF 289)	8.0	7.3	8.0	4.7	4.3	4.7	5.7	5.7	4.7	4.0	4.5	5.0	4.8
RAD-TF-83	8.0	8.0	8.0	4.7	5.0	5.0	5.7	5.3	4.3	3.7	4.0	4.7	4.7
BAR FA 121091	8.0	7.3	7.3	4.0	4.7	4.7	5.3	5.3	4.0	3.7	4.7	5.3	4.6
COMP. RES. SST	8.0	6.7	8.0	4.0	4.3	5.0	6.3	6.0	3.7	4.0	4.0	4.3	4.6
BAR FA 120878	8.0	7.3	7.0	4.7	5.0	5.0	5.3	5.3	3.3	3.3	3.7	5.0	4.5
ANNIHILATOR	7.7	6.3	8.0	4.3	4.0	4.7	6.0	5.3	3.0	4.0	4.3	4.0	4.4
MARAUDER	8.0	7.0	8.0	4.0	4.0	5.0	5.7	5.0	3.3	4.0	3.7	3.7	4.3
WARHAWK	8.0	6.7	8.0	3.7	4.3	5.0	5.3	5.0	3.0	4.3	3.7	4.0	4.3
LSD VALUE	0.3	0.9	0.4	1.4	1.2	1.4	2.3	2.6	1.6	2.3	1.9	2.2	0.8
C.V. (%)	2.5	6.2	3.0	14.6	13.2	12.6	12.7	13.1	16.6	21.1	18.1	18.8	8.8

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

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

TABLE 14.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/  
2016 DATA

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

NAME	SPRING DENSITY	FALL DENSITY	PERCENT GROUND COVER		WINTER COLOR	BROWN PATCH	
			SPRING	FALL		JULY	AUGUST
PST-5EX2	7.0	7.7	99.0	99.0	7.0	6.7	8.0
F711	6.7	7.0	98.3	98.3	7.0	7.0	6.7
RAPTOR III (ZW 44)	6.0	7.3	99.0	99.0	6.7	6.0	6.0
TRAVERSE 2 SRP (W45)	5.7	6.3	97.7	98.3	6.7	5.7	6.7
BIZEM	5.7	7.0	97.7	99.0	5.7	5.7	4.7
GTO (BURL TF-2)	7.3	7.0	99.0	97.7	6.7	6.3	6.0
LEONARDO (LTP-FSD)	7.0	7.0	97.0	99.0	6.0	5.7	4.3
MET-3	6.0	7.0	97.7	97.7	6.0	6.0	4.7
REGENERATE	7.0	5.3	98.3	94.7	7.0	7.0	7.3
AMITY (CCR2)	7.0	6.0	99.0	96.3	6.3	6.3	6.7
BLACK TAIL (PPG-TF-150)	6.3	5.7	98.3	96.0	5.7	6.3	6.0
VALKYRIE LS (PPG-TF-172)	7.0	6.0	99.0	97.7	7.7	6.7	5.3
4TH MILLENNIUM SRP (U43)	6.7	5.7	97.0	97.7	6.3	5.3	5.3
ATF 1704	6.7	5.7	99.0	97.0	6.7	5.3	4.3
BLOODHOUND (MET 6 SEL)	7.7	5.0	99.0	95.7	6.7	6.7	6.7
EMBRACE (PST-5EV2)	6.7	6.7	98.3	98.3	5.7	6.7	4.7
IS-TF 311	6.3	5.0	97.7	97.0	6.0	7.0	5.3
MAESTRO (T31)	6.7	6.0	97.7	97.7	6.7	6.0	4.0
MET 1	6.3	6.3	98.3	97.0	7.0	6.3	6.0
MICHELANGELO (LTP-F5DPDR)	6.3	7.0	97.7	98.3	6.7	6.7	5.0
PPG-TF-135	6.3	6.7	98.3	98.3	6.0	5.7	6.0
PST-5BP0	6.3	7.0	98.3	99.0	6.0	5.0	6.0
PST-5BRK	6.0	7.0	97.7	98.3	6.0	6.0	5.3
TECHNIQUE (RZ2)	7.0	5.7	99.0	97.0	6.3	6.0	5.3
WICHITA (PPG-TF-151)	7.0	6.7	99.0	97.7	6.3	6.0	3.7
AVENGER II (PPG-TF-156)	6.3	6.3	97.7	98.3	6.0	5.7	5.3
FIREBIRD 2	7.0	6.0	97.7	97.7	6.7	6.3	5.3
RAIN DANCE (PST-5SDT)	6.3	7.0	97.0	98.3	6.3	5.3	5.3
REFLECTION (U45)	5.0	5.7	96.7	86.0	6.0	6.0	5.0
SALTILLO (PST-5SALT)	5.3	6.7	98.3	99.0	5.7	5.3	6.7
GRANDE 3	6.0	6.7	97.7	97.7	6.3	4.7	5.0
HEMI	6.7	4.0	97.7	81.0	6.7	7.0	6.0
HOT ROD (BURL TF-136)	6.0	6.3	98.3	97.0	5.7	5.3	4.7
IS-TF 308 SEL	5.7	6.3	97.7	98.3	6.0	6.7	5.7
PARAMOUNT (PPG-TF-137)	6.3	7.0	97.0	98.3	6.7	5.7	5.0
ROCKWELL (LTP-TWUU)	6.3	5.7	98.3	97.0	6.0	5.7	5.3
THOR (PPG-TF-157)	6.3	7.3	97.7	99.0	7.0	6.7	5.0
W41	6.0	6.7	98.3	97.0	6.3	5.3	4.0
XTENDER (PPG-TF-139)	6.0	6.0	97.7	95.3	6.3	7.0	6.0
ATF 1754	6.3	5.7	98.3	97.7	6.3	6.0	5.0
CROSSFIRE 4 (IS-TF 310 SEL)	6.0	5.7	97.0	96.3	6.7	6.0	6.3
FESNOVA	6.0	6.3	97.7	97.7	6.7	5.3	5.7
FIRECRACKER SLS (PPG-TF-105)	6.3	6.3	97.7	97.7	6.0	5.3	4.7
TITANIUM 2LS (PPG-TF-152)	6.7	6.0	97.7	96.3	6.7	6.3	3.7
ATF 1736	6.0	6.7	96.3	97.7	6.0	4.3	5.7

TABLE 14.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/  
2016 DATA

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

NAME	SPRING DENSITY	FALL DENSITY	PERCENT GROUND COVER		WINTER COLOR	BROWN PATCH	
			SPRING	FALL		JULY	AUGUST
CAESAR (TY 10)	5.7	6.7	97.7	98.3	6.0	5.7	4.7
FAITH	6.0	5.3	97.7	94.7	6.0	5.0	4.7
FIREWALL (PSG-WE1)	6.0	6.3	98.3	97.0	6.3	5.0	5.3
PSG-P01	6.0	5.3	97.7	96.3	6.0	6.0	5.7
REBOUNDER (PICK-W43)	6.3	5.0	97.7	95.0	6.3	5.7	6.3
ROWDY (SRX-TPC)	6.0	6.3	97.0	98.3	6.0	6.7	5.0
ATF 1612	6.7	6.0	97.7	96.0	5.7	6.3	5.7
CATALYST	5.3	4.0	99.0	91.5	6.0	5.3	4.7
DIABLO (IS-TF 330)	5.7	6.0	95.3	98.3	6.0	4.7	4.7
HOUNDOG8 (IS-TF 307 SEL)	5.7	6.7	97.0	99.0	5.3	5.3	4.0
JS 809	4.7	6.0	99.0	96.3	6.3	5.7	4.7
K12-MCD	6.0	5.7	98.3	97.7	6.0	5.3	4.3
PST-5MVD	6.3	5.7	96.7	97.0	6.0	6.3	4.7
SCREAMER LS (PPG-TF-148)	7.0	5.3	97.7	95.7	6.7	6.0	4.3
SUPERSONIC (PPG-TF-170)	6.7	7.3	97.0	98.3	5.7	4.3	5.3
SWAGGER (PST-5R05)	5.7	5.3	98.3	97.0	5.7	6.3	3.3
TEMPTATION (OR-21)	6.0	6.7	97.0	97.0	5.7	4.7	5.0
IS-TF 269 SEL	5.7	6.7	95.0	99.0	6.3	5.7	4.3
IS-TF-287	6.0	5.7	99.0	97.0	5.7	6.7	4.3
PPG-TF-169	6.7	4.7	98.3	79.7	6.7	6.7	4.3
RAD-TF-92	5.3	5.0	98.3	93.5	6.0	6.0	4.3
RHIZING MOON (IS-TF 305 SEL)	6.0	6.0	96.3	98.3	6.3	5.7	5.3
AQUADUCT	5.3	6.0	98.3	97.7	6.0	5.7	4.7
B23	5.3	5.3	96.3	96.0	5.3	6.3	5.0
BAR FA 121089	6.0	6.3	96.3	98.3	5.3	5.0	4.3
BULLSEYE	5.7	5.7	95.3	95.7	6.0	5.3	4.7
HOVER (BURL TF-69)	5.3	4.3	97.7	91.0	6.0	6.0	4.7
JS 916	5.3	6.3	95.7	97.0	6.3	5.0	4.7
KINGDOM (DB1)	5.3	5.7	97.0	95.3	6.0	4.7	4.0
MERIDIAN (PST-5GRB)	5.3	7.5	97.7	99.0	6.0	5.3	4.0
RHAMBLER 2 SRP (LSD)	5.0	6.0	97.0	97.0	5.7	5.3	4.3
TERRANO	5.3	6.3	97.0	96.3	6.3	5.3	4.0
FAYETTE (IS-TF 291)	5.3	6.0	95.7	97.0	6.0	5.0	4.3
PPG-TF-115	6.3	6.7	97.7	98.3	5.7	4.3	4.0
PPG-TF-138	5.3	5.7	97.7	96.3	6.0	5.7	4.3
TEMPLE (DZ1)	5.3	5.0	95.7	95.7	6.3	6.0	4.0
THUNDERSTRUCK (TD1)	6.0	5.3	97.0	95.7	5.7	3.7	3.7
TURFWAY (IS-TF 282 M2)	6.0	5.3	96.7	96.3	6.3	5.3	4.0
FALCON V	6.0	4.3	99.0	91.7	6.3	6.3	4.7
FOXHOUND (IS-TF 284 M2)	5.0	6.0	96.3	97.0	6.0	5.3	4.3
IS-TF 276 M2	5.0	6.7	97.7	99.0	5.7	5.0	3.3
KY-31	5.7	6.0	97.7	97.0	5.7	4.7	4.7
MEMPHIS (GO-DFR)	6.0	6.5	98.3	99.0	5.7	5.3	4.3
PSG-TT4	6.0	5.7	98.3	94.7	5.7	5.0	4.7
RAD-TF-89	6.0	5.3	98.3	94.7	5.3	5.3	4.3

TABLE 14.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/  
2016 DATA

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

NAME	SPRING DENSITY	FALL DENSITY	PERCENT GROUND COVER		WINTER COLOR	BROWN PATCH	
			SPRING	FALL		JULY	AUGUST
INSPIRATION (PST-R5NW)	4.7	4.7	96.3	95.7	5.7	5.0	3.3
JS 818	5.0	5.7	97.7	95.7	5.3	4.7	4.0
PSG-GSD	5.7	5.0	97.0	94.0	5.7	5.0	3.7
204 RES. BLK4	5.0	5.3	97.7	94.0	6.0	3.7	3.7
ARES (PPG-TF-142)	4.7	5.0	94.0	95.7	5.0	5.7	4.3
IS-TF 272	4.7	4.3	95.0	93.3	5.7	5.3	4.3
K12-13	4.7	6.0	94.7	97.7	5.7	4.3	3.7
BAR FA 121095	4.7	5.0	96.7	92.3	6.0	4.7	4.0
JS 819	5.3	5.0	93.3	95.0	6.0	4.7	4.7
K12-05	5.3	6.0	95.3	97.0	6.0	4.3	3.7
OLYMPUS (RAD-TF-88)	5.0	5.0	97.7	95.7	5.7	5.0	4.0
DYNAMITE LS (PPG-TF-145)	4.7	6.0	97.0	98.0	6.0	5.3	4.0
FALCON IV	5.0	4.0	98.3	77.7	6.0	5.3	4.0
FRONTLINE (EXP TF-09)	5.3	5.5	96.3	97.0	5.7	3.7	3.3
JS 825	4.3	5.3	97.0	95.7	6.0	4.0	3.7
NIGHTCRAWLER (IS-TF 285)	5.0	4.7	94.3	93.3	5.7	5.3	4.3
PSG-8BP2	5.0	6.0	96.3	97.0	5.3	4.3	3.3
PST-5DZP	5.3	5.0	97.0	92.3	5.3	4.3	4.0
UNITUS (IS-TF 289)	4.7	5.7	94.7	94.0	5.7	5.3	4.3
RAD-TF-83	5.3	4.7	96.3	95.0	6.0	4.7	4.3
BAR FA 121091	5.0	5.7	97.0	96.3	6.0	4.3	4.0
COMP. RES. SST	4.7	4.3	96.7	92.7	5.3	3.3	3.7
BAR FA 120878	5.7	5.3	97.0	96.3	6.0	5.3	4.7
ANNIHILATOR	4.0	4.7	95.7	88.3	5.3	2.7	3.7
MARAUDER	4.3	4.0	96.7	87.7	5.3	4.0	4.0
WARHAWK	4.7	4.3	95.3	92.3	5.0	4.0	4.0
LSD VALUE	1.5	2.4	7.2	18.1	1.3	2.5	2.6
C.V. (%)	14.0	18.3	2.0	5.8	9.9	20.8	25.2

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 MEAD, NE 1/  
2016 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	
BLOODHOUND (MET 6 SEL)	5.7	4.3	4.3	5.0	5.0	6.7	5.0	5.0	7.0	6.7	5.7	5.9
BULLSEYE	6.0	4.3	4.7	4.7	5.0	6.3	4.3	5.0	7.0	7.0	5.0	5.7
HEMI	6.0	4.0	4.7	5.7	5.0	6.7	4.3	5.0	7.0	6.7	5.3	5.7
MAESTRO (T31)	6.0	4.0	4.7	5.3	5.0	6.3	4.3	5.0	7.0	7.0	5.0	5.7
MERIDIAN (PST-5GRB)	5.7	4.3	4.0	5.0	4.7	5.7	4.7	5.3	7.0	7.0	5.3	5.7
REFLECTION (U45)	6.0	4.0	4.0	5.0	4.7	6.0	4.7	5.3	7.0	7.0	5.0	5.7
TRAVERSE 2 SRP (W45)	6.0	4.0	4.3	5.3	5.3	6.7	4.3	5.7	6.7	6.0	5.3	5.7
AVENGER II (PPG-TF-156)	5.3	2.7	4.0	5.3	4.7	5.7	4.0	5.3	7.0	6.7	5.7	5.6
B23	6.0	4.0	4.0	5.3	5.0	6.0	4.3	5.3	6.7	6.7	5.0	5.6
BIZEM	6.0	4.0	4.7	5.7	5.0	6.0	4.0	5.0	7.0	6.7	5.3	5.6
FAITH	6.0	4.0	5.0	4.7	5.0	6.0	4.0	5.0	7.0	6.7	5.3	5.6
FIREWALL (PSG-WE1)	6.0	4.0	4.0	5.3	4.7	6.0	4.0	5.7	7.0	6.0	5.7	5.6
GTO (BURL TF-2)	5.7	4.7	4.0	5.7	4.7	5.7	4.3	5.7	7.0	6.7	5.3	5.6
IS-TF 308 SEL	5.7	4.0	5.0	5.7	5.0	6.3	4.0	5.7	7.0	6.3	5.0	5.6
MET-3	6.0	4.0	4.0	5.0	4.7	6.0	4.3	5.3	7.0	6.7	5.0	5.6
PPG-TF-135	5.7	4.0	4.3	5.7	4.7	5.7	4.3	5.3	7.0	6.3	5.7	5.6
RAD-TF-89	6.0	4.0	4.0	5.3	5.0	6.3	5.0	5.3	6.7	6.0	4.7	5.6
RAPTOR III (ZW 44)	6.0	4.0	5.0	5.0	4.7	6.0	4.7	5.3	6.7	7.0	4.7	5.6
REBOUNDER (PICK-W43)	6.0	4.0	4.0	5.3	5.0	6.0	4.3	5.3	7.0	6.0	5.7	5.6
TECHNIQUE (RZ2)	5.7	4.0	4.7	4.7	5.0	5.7	4.3	5.7	6.7	6.7	5.3	5.6
THUNDERSTRUCK (TD1)	6.0	4.0	4.3	5.0	4.7	5.7	4.3	5.0	7.0	7.0	5.3	5.6
XTENDER (PPG-TF-139)	5.7	4.0	4.0	4.7	5.0	6.0	4.3	5.3	6.7	7.0	5.0	5.6
ATF 1754	5.0	4.0	4.7	5.0	4.7	5.7	4.3	5.0	7.0	6.3	5.3	5.5
DIABLO (IS-TF 330)	6.0	4.0	4.3	5.3	4.3	5.7	4.3	5.0	7.0	6.7	5.3	5.5
F711	6.0	4.3	4.3	5.7	4.7	5.3	4.3	5.7	6.3	7.0	5.0	5.5
FIRECRACKER SLS (PPG-TF-105)	6.0	4.0	4.3	5.0	4.7	6.0	4.7	5.0	6.7	6.3	5.0	5.5
GRANDE 3	6.0	4.7	4.7	5.3	5.0	5.7	4.3	5.3	7.0	6.0	5.3	5.5
HOT ROD (BURL TF-136)	5.7	4.3	4.7	5.7	4.3	5.3	4.0	5.7	7.0	7.0	5.3	5.5
IS-TF-287	6.0	4.0	5.0	5.0	4.7	5.7	4.3	5.3	7.0	6.7	5.0	5.5
OLYMPUS (RAD-TF-88)	6.0	4.0	4.3	5.0	4.7	5.3	4.3	5.0	7.0	6.7	5.3	5.5
PPG-TF-169	5.3	4.0	4.7	6.0	4.7	5.7	3.7	5.7	6.7	6.7	5.3	5.5
PSG-P01	6.0	4.0	4.0	5.7	5.0	6.0	4.3	5.0	7.0	6.3	5.0	5.5
PST-5MVD	5.7	4.0	5.0	4.7	5.0	6.0	4.0	5.3	6.7	6.3	5.0	5.5
REGENERATE	6.0	4.0	4.0	5.3	4.7	5.7	4.0	5.7	6.7	6.7	5.0	5.5
ROCKWELL (LTP-TWUU)	5.7	4.0	4.3	4.7	5.0	6.0	4.0	5.0	7.0	6.7	4.7	5.5
ROWDY (SRX-TPC)	6.0	4.0	4.7	5.0	5.0	6.0	4.0	5.3	6.7	6.7	5.0	5.5
TITANIUM 2LS (PPG-TF-152)	6.0	4.0	4.0	5.7	5.0	5.7	4.0	5.0	6.7	6.3	5.7	5.5
VALKYRIE LS (PPG-TF-172)	6.0	4.0	4.7	5.3	4.7	6.0	4.7	5.0	6.7	6.3	5.0	5.5
W41	6.0	4.0	4.3	5.7	5.0	6.3	4.3	5.0	7.0	6.0	5.0	5.5
AMITY (CCR2)	5.7	4.0	4.0	5.7	4.3	5.7	4.0	5.0	7.0	6.3	5.3	5.4
ATF 1612	5.7	4.0	4.0	5.0	4.7	6.3	4.0	5.0	7.0	6.3	4.7	5.4
ATF 1704	5.0	4.0	4.0	5.3	4.3	5.3	4.7	5.0	6.7	6.7	5.0	5.4
CATALYST	6.0	4.0	4.0	4.3	4.7	5.3	4.0	5.0	6.7	7.0	5.0	5.4
CROSSFIRE 4 (IS-TF 310 SEL)	6.0	4.0	4.0	5.3	4.3	5.3	4.3	5.0	7.0	6.3	5.3	5.4
FALCON V	6.0	4.0	4.0	5.0	5.0	6.0	3.7	5.3	7.0	6.3	4.7	5.4

TABLE 15. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT MEAD, NE 1/  
2016 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
FAYETTE (IS-TF 291)	6.0	4.0	4.0	5.0	4.7	5.7	4.0	5.7	6.7	6.7	4.7	5.4
IS-TF 269 SEL	6.0	4.0	4.3	5.3	4.7	5.7	4.0	5.0	6.7	6.3	5.3	5.4
JS 916	6.0	4.0	4.0	5.0	4.7	5.7	4.3	5.0	6.7	6.0	5.3	5.4
LEONARDO (LTP-FSD)	5.7	4.0	5.0	5.3	5.0	6.0	4.3	5.0	6.3	6.7	4.7	5.4
MET 1	6.0	4.3	4.7	5.3	4.3	5.3	4.0	5.7	7.0	6.3	5.3	5.4
NIGHTCRAWLER (IS-TF 285)	6.0	4.0	4.0	5.7	4.3	6.0	4.3	5.0	6.7	6.3	5.0	5.4
PARAMOUNT (PPG-TF-137)	6.0	4.0	4.3	5.7	4.3	5.3	4.0	5.3	7.0	7.0	5.0	5.4
RAD-TF-92	6.0	4.0	4.3	6.0	4.3	5.7	4.0	5.0	7.0	6.3	5.3	5.4
RHIZING MOON (IS-TF 305 SEL)	6.0	4.0	4.0	5.0	4.3	5.3	4.3	5.3	6.7	6.3	5.3	5.4
SUPERSONIC (PPG-TF-170)	6.0	4.0	4.3	5.3	4.3	5.3	3.7	5.3	7.0	6.7	5.3	5.4
THOR (PPG-TF-157)	6.0	4.0	4.7	5.0	4.7	5.7	4.0	5.0	7.0	6.7	5.0	5.4
WICHITA (PPG-TF-151)	6.0	4.0	4.3	5.0	4.7	5.7	4.0	4.7	6.7	6.7	5.3	5.4
4TH MILLENNIUM SRP (U43)	5.7	4.0	4.3	5.0	4.7	6.0	4.3	5.0	7.0	5.3	5.0	5.3
BAR FA 121095	5.7	4.0	4.0	4.3	5.0	5.7	4.0	5.0	6.0	6.7	4.7	5.3
BLACK TAIL (PPG-TF-150)	6.0	4.0	4.0	5.7	4.7	5.3	4.0	5.7	6.7	5.7	5.3	5.3
FIREBIRD 2	5.7	4.0	4.7	4.7	4.3	5.0	4.0	5.3	7.0	6.3	5.0	5.3
HOUND08 (IS-TF 307 SEL)	6.0	4.0	4.3	5.0	4.7	6.0	4.0	4.7	6.3	6.7	5.0	5.3
HOVER (BURL TF-69)	6.0	4.0	4.3	5.7	4.3	5.7	4.0	5.0	6.7	6.3	5.0	5.3
IS-TF 311	5.7	4.0	4.7	5.3	4.3	5.3	4.0	5.3	6.7	6.3	5.0	5.3
MICHELANGELO (LTP-F5DPDR)	5.3	4.0	4.7	5.0	4.3	5.3	4.3	5.0	6.7	6.7	5.0	5.3
PSG-GSD	6.0	4.0	5.0	4.7	5.0	5.7	3.7	5.0	6.3	6.7	5.0	5.3
PST-5BP0	5.0	4.0	4.7	4.0	4.3	5.3	4.0	5.3	6.7	6.7	5.0	5.3
PST-5DZP	5.7	4.0	4.3	4.7	5.0	5.7	3.7	5.0	6.7	7.0	4.3	5.3
SCREAMER LS (PPG-TF-148)	5.3	4.0	4.7	5.0	4.7	5.0	4.3	5.3	6.3	6.7	5.0	5.3
204 RES. BLK4	5.0	4.0	4.0	5.0	4.7	5.7	4.0	5.0	6.3	6.0	4.7	5.2
ATF 1736	5.3	4.0	5.0	5.0	4.7	5.3	4.0	4.7	6.7	6.0	5.0	5.2
CAESAR (TY 10)	6.0	4.0	4.3	5.0	4.7	5.7	4.0	4.7	6.0	6.7	4.7	5.2
EMBRACE (PST-5EV2)	5.3	4.0	4.3	5.3	4.0	5.3	4.3	5.3	6.7	6.7	4.3	5.2
FOXHOUND (IS-TF 284 M2)	6.0	4.0	4.3	4.7	4.7	5.3	4.0	5.0	6.0	6.3	5.0	5.2
IS-TF 272	6.0	4.0	4.0	5.3	4.3	5.3	4.0	5.0	6.7	6.7	4.7	5.2
IS-TF 276 M2	6.0	4.0	4.0	5.7	4.7	5.3	3.7	5.0	6.3	7.0	4.3	5.2
K12-05	6.0	4.0	4.3	5.3	4.7	5.3	3.7	5.0	6.7	6.0	5.0	5.2
KINGDOM (DB1)	6.0	4.0	4.7	5.0	4.3	5.3	4.0	5.0	6.3	7.0	4.7	5.2
PPG-TF-138	6.0	4.0	4.7	5.0	4.3	5.0	3.7	5.0	6.7	6.7	5.0	5.2
PST-5BRK	5.3	4.0	5.0	4.7	5.0	6.0	4.3	4.7	6.0	6.7	4.0	5.2
RHAMBLER 2 SRP (LSD)	6.0	4.0	4.3	4.7	4.3	5.3	3.7	4.7	6.7	6.7	5.3	5.2
SALTILLO (PST-5SALT)	5.3	4.0	5.0	4.7	4.7	5.7	4.0	5.3	6.0	6.3	4.7	5.2
SWAGGER (PST-5R05)	6.0	4.0	4.3	4.3	5.0	5.7	4.0	4.3	6.3	6.3	4.7	5.2
TEMPLE (DZ1)	6.0	4.0	4.3	5.7	4.3	5.0	3.7	5.3	6.7	6.7	5.0	5.2
TEMPTATION (OR-21)	6.0	4.0	5.0	5.3	4.3	5.7	3.7	5.0	6.3	7.0	4.7	5.2
TURFWAY (IS-TF 282 M2)	6.0	4.0	4.0	5.0	5.0	5.7	4.0	4.7	6.0	6.3	4.7	5.2
UNITUS (IS-TF 289)	6.0	4.0	4.7	4.7	4.7	5.7	3.7	4.7	6.3	6.7	4.7	5.2
ARES (PPG-TF-142)	6.0	2.7	4.7	5.0	4.7	5.7	3.3	5.0	6.3	6.7	4.3	5.1
COMP. RES. SST	5.3	4.0	4.0	5.0	4.3	5.3	4.3	4.7	6.3	6.3	4.7	5.1
INSPIRATION (PST-R5NW)	5.3	4.0	5.0	5.0	4.7	5.3	4.0	4.7	6.0	7.0	4.0	5.1

TABLE 15. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT MEAD, NE 1/  
2016 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	
JS 809	6.0	4.0	5.0	5.0	4.7	5.7	4.0	4.3	6.0	6.7	4.3	5.1
PPG-TF-115	6.0	4.0	5.0	5.3	4.3	5.3	4.0	4.7	6.7	6.3	4.7	5.1
ANNIHILATOR	5.7	4.0	4.7	4.7	4.7	5.3	3.7	4.3	6.0	6.7	4.0	5.0
BAR FA 121091	6.0	4.0	5.0	5.0	4.7	5.3	3.7	4.3	6.3	6.3	4.3	5.0
DYNAMITE LS (PPG-TF-145)	6.0	4.0	4.3	4.7	4.7	5.3	3.7	4.7	6.0	6.3	4.3	5.0
FALCON IV	6.0	4.0	5.0	5.0	4.3	5.0	3.7	4.7	6.0	6.7	4.7	5.0
FESNOVA	6.0	4.0	4.0	5.0	4.0	5.0	3.3	5.0	6.3	6.3	4.7	5.0
JS 818	6.0	4.0	4.0	5.0	4.7	5.7	3.7	4.3	6.0	6.3	4.3	5.0
JS 819	6.0	4.0	4.3	4.7	4.3	5.3	4.0	4.3	6.0	6.7	4.7	5.0
K12-MCD	5.7	4.0	5.0	4.7	4.7	5.3	3.3	4.7	6.0	6.7	4.7	5.0
MEMPHIS (GO-DFR)	6.0	4.0	4.7	5.3	4.3	5.3	3.7	4.7	6.7	6.0	4.3	5.0
RAD-TF-83	6.0	4.0	5.0	5.3	4.3	5.3	4.0	4.7	6.3	6.0	4.7	5.0
TERRANO	6.0	4.0	5.0	5.0	4.7	5.0	3.7	4.7	6.3	7.0	4.0	5.0
AQUADUCT	6.0	4.0	4.0	4.0	4.3	5.0	3.7	4.7	6.0	6.7	4.0	4.9
FRONTLINE (EXP TF-09)	6.0	4.0	4.7	4.7	4.3	5.3	3.7	4.0	6.0	6.7	4.0	4.9
K12-13	6.0	4.0	4.3	5.0	3.7	4.7	3.7	4.7	6.7	6.7	4.3	4.9
MARAUDER	5.3	4.0	4.0	5.3	4.0	5.0	4.0	4.7	5.7	7.0	4.0	4.9
RAIN DANCE (PST-5SDT)	5.3	4.0	5.0	5.0	4.3	4.7	3.7	4.3	5.7	6.3	5.0	4.9
BAR FA 121089	6.0	4.0	4.7	4.7	4.3	5.0	3.3	4.3	6.0	6.7	4.0	4.8
JS 825	5.7	4.3	5.0	4.7	4.3	5.3	3.7	4.0	5.7	6.0	4.3	4.8
PSG-TT4	5.3	4.0	4.3	4.7	3.7	4.7	3.3	5.0	6.3	6.3	4.3	4.8
PSG-8BP2	5.7	4.0	5.0	5.0	4.0	4.7	3.7	4.0	5.7	6.7	4.3	4.7
PST-5EX2	5.3	4.0	4.3	4.7	4.0	4.7	3.7	4.7	5.7	6.0	4.3	4.7
WARHAWK	5.0	4.0	4.7	4.3	3.7	4.7	3.3	4.3	5.7	6.7	4.0	4.6
BAR FA 120878	4.7	4.0	5.0	3.7	3.7	4.7	3.3	4.0	5.0	6.3	4.0	4.4
KY-31	3.0	5.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	4.3	3.0	3.2
LSD VALUE	0.6	1.0	0.7	1.0	1.2	1.2	1.0	0.8	0.7	1.2	0.8	0.4
C.V. (%)	6.3	8.6	9.2	10.6	11.0	10.7	11.7	8.8	7.0	8.1	9.9	4.5

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

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



TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK, NJ 1/  
2016 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
BLACK TAIL (PPG-TF-150)	6.0	7.7	8.7	8.0	8.3	8.7	7.7	8.3	8.2
REGENERATE	6.0	7.3	7.7	8.3	8.0	8.3	8.3	8.7	8.1
REFLECTION (U45)	5.0	8.3	8.0	7.0	7.7	9.0	8.3	8.0	8.0
ROWDY (SRX-TPC)	6.7	9.0	8.0	8.3	7.3	8.3	7.0	8.0	8.0
TRAVERSE 2 SRP (W45)	5.3	7.7	8.3	8.3	8.0	7.0	8.0	8.7	8.0
AMITY (CCR2)	5.7	8.0	8.0	7.7	7.0	8.0	8.0	8.0	7.8
MET 1	6.3	7.0	7.0	8.3	7.7	8.0	8.3	7.3	7.7
IS-TF 308 SEL	4.7	7.3	8.3	7.3	8.0	7.7	7.0	7.7	7.6
RHAMBLER 2 SRP (LSD)	5.3	8.3	7.7	8.3	7.0	7.0	6.7	8.3	7.6
TECHNIQUE (RZ2)	5.7	6.3	7.3	8.0	7.0	8.3	7.7	8.7	7.6
BIZEM	6.3	6.7	7.7	7.3	7.7	8.0	7.7	7.7	7.5
RAPTOR III (ZW 44)	6.0	7.7	7.0	7.3	7.7	7.7	7.7	7.7	7.5
REBOUNDER (PICK-W43)	6.3	6.3	8.0	7.3	7.3	7.7	7.7	8.3	7.5
THOR (PPG-TF-157)	5.3	7.0	7.0	8.0	6.7	7.0	8.3	8.3	7.5
204 RES. BLK4	3.7	7.0	6.3	6.3	7.7	8.7	7.7	8.0	7.4
4TH MILLENNIUM SRP (U43)	6.7	7.0	8.0	7.3	6.7	8.0	7.3	7.7	7.4
AVENGER II (PPG-TF-156)	5.7	6.0	7.0	7.0	8.0	7.7	7.7	8.3	7.4
B23	5.3	8.3	8.0	7.3	7.7	7.7	6.0	6.7	7.4
F711	5.7	6.7	7.7	7.0	6.7	8.0	7.7	8.0	7.4
RAD-TF-92	4.7	8.0	8.0	7.3	6.3	7.3	7.0	7.7	7.4
BLOODHOUND (MET 6 SEL)	6.0	6.7	7.3	6.7	8.0	7.3	7.7	7.3	7.3
EMBRACE (PST-5EV2)	4.7	6.3	7.3	7.0	8.0	7.3	7.3	7.7	7.3
MERIDIAN (PST-5GRB)	6.0	8.3	8.0	6.7	7.7	7.7	6.0	7.0	7.3
TEMPLE (DZ1)	5.7	6.7	7.3	7.3	6.3	8.0	7.3	8.0	7.3
CROSSFIRE 4 (IS-TF 310 SEL)	5.0	6.0	7.0	7.0	7.0	7.7	7.0	8.7	7.2
HOT ROD (BURL TF-136)	5.7	6.3	7.3	6.7	7.0	7.7	7.0	8.0	7.1
KINGDOM (DB1)	3.0	7.3	7.0	7.0	6.3	6.7	7.7	8.0	7.1
PPG-TF-135	5.7	6.3	7.3	7.7	7.0	7.0	7.3	7.3	7.1
ROCKWELL (LTP-TWUU)	6.7	7.7	7.0	6.3	7.0	7.0	7.3	7.3	7.1
TITANIUM 2LS (PPG-TF-152)	5.3	6.7	6.7	7.3	8.0	7.3	6.3	7.7	7.1
FAYETTE (IS-TF 291)	6.3	7.7	7.7	7.0	6.7	6.7	6.3	7.0	7.0
FIREBIRD 2	6.0	8.7	6.7	6.7	7.3	6.7	6.7	6.7	7.0
FIRECRACKER SLS (PPG-TF-105)	5.3	7.7	7.0	6.7	6.0	8.0	6.3	7.0	7.0
HEMI	5.3	7.0	8.0	7.7	8.0	6.0	6.3	6.3	7.0
HOUNDOG8 (IS-TF 307 SEL)	4.3	8.0	6.7	6.3	7.3	6.3	7.3	6.7	7.0
IS-TF 269 SEL	4.7	7.0	7.3	7.3	7.0	6.7	7.7	6.3	7.0
JS 916	5.7	7.0	7.3	6.7	6.7	8.0	7.0	6.0	7.0
NIGHTCRAWLER (IS-TF 285)	5.0	8.0	6.7	7.0	6.0	7.3	6.7	7.0	7.0
W41	5.7	7.3	7.3	6.0	7.3	7.3	7.0	7.0	7.0
MICHELANGELO (LTP-F5DPDR)	6.7	7.7	7.0	5.7	7.0	7.0	6.7	7.0	6.9
PARAMOUNT (PPG-TF-137)	5.3	6.0	6.7	7.0	6.3	7.7	7.0	7.7	6.9
VALKYRIE LS (PPG-TF-172)	5.3	6.0	6.3	7.0	7.3	8.0	6.7	7.0	6.9
DIABLO (IS-TF 330)	4.7	7.7	7.0	7.3	7.3	6.7	6.0	5.7	6.8
FOXHOUND (IS-TF 284 M2)	4.0	7.0	6.7	6.0	7.7	7.0	6.0	7.0	6.8
HOVER (BURL TF-69)	5.3	5.3	7.7	7.7	6.3	6.3	7.0	7.3	6.8

TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK, NJ 1/  
2016 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
IS-TF 311	5.7	6.7	6.7	7.3	6.3	6.3	7.0	7.3	6.8
RHIZING MOON (IS-TF 305 SEL)	5.3	7.7	7.0	7.0	6.7	6.3	7.0	6.0	6.8
ATF 1612	5.0	7.0	6.0	7.0	6.3	7.7	6.3	6.7	6.7
ATF 1704	6.3	6.7	5.7	5.7	7.7	7.0	6.3	7.7	6.7
OLYMPUS (RAD-TF-88)	3.7	6.3	7.0	7.0	6.3	6.7	6.0	7.3	6.7
PSG-P01	6.0	6.3	6.7	7.3	7.0	6.3	6.7	6.3	6.7
SCREAMER LS (PPG-TF-148)	6.0	5.7	6.0	5.3	7.0	7.3	7.0	8.7	6.7
XTENDER (PPG-TF-139)	5.3	7.7	6.0	6.3	6.0	7.3	6.7	7.0	6.7
GTO (BURL TF-2)	6.0	5.7	5.3	6.3	7.0	7.0	6.7	8.0	6.6
MAESTRO (T31)	6.0	6.0	5.3	7.0	7.7	6.7	6.3	7.3	6.6
SUPERSONIC (PPG-TF-170)	5.7	6.7	7.0	6.7	6.0	7.3	6.3	6.3	6.6
WICHITA (PPG-TF-151)	6.0	7.0	6.0	7.0	6.7	7.3	6.7	5.7	6.6
IS-TF 272	3.3	7.0	7.3	7.3	7.0	6.3	5.0	5.7	6.5
LEONARDO (LTP-FSD)	6.7	7.3	6.7	5.7	6.0	6.7	6.3	6.7	6.5
MET-3	5.3	6.0	6.0	7.3	6.0	6.7	7.0	6.7	6.5
PPG-TF-169	6.3	4.3	6.0	6.7	6.0	7.7	7.3	7.3	6.5
TURFWAY (IS-TF 282 M2)	6.0	7.3	7.3	6.0	5.7	5.7	6.3	7.0	6.5
BULLSEYE	5.3	6.3	6.3	6.7	6.7	7.0	6.0	6.0	6.4
CATALYST	6.7	5.7	6.7	6.0	6.3	6.0	6.3	8.0	6.4
K12-05	3.7	6.0	6.3	7.0	6.3	6.0	6.3	6.7	6.4
PST-5DZP	5.0	7.3	6.7	6.7	7.7	6.7	4.7	5.0	6.4
FESNOVA	6.3	7.7	5.7	6.0	5.7	7.0	6.0	6.3	6.3
FIREWALL (PSG-WE1)	4.7	5.0	5.0	6.3	7.7	6.7	6.3	7.0	6.3
GRANDE 3	7.0	5.3	6.0	5.7	7.0	7.0	6.7	6.7	6.3
PPG-TF-138	5.7	8.3	6.0	6.7	6.7	6.0	5.0	5.3	6.3
SALTILLO (PST-5SALT)	5.3	7.0	5.7	5.0	7.0	6.7	6.0	7.0	6.3
DYNAMITE LS (PPG-TF-145)	3.0	6.3	6.7	6.3	6.3	6.3	5.7	6.0	6.2
FALCON V	6.3	6.3	6.7	6.7	6.7	5.3	5.3	6.3	6.2
IS-TF-287	5.0	7.0	6.0	7.0	6.3	6.0	5.0	6.0	6.2
ARES (PPG-TF-142)	3.3	7.0	6.7	6.0	5.7	5.7	5.7	6.0	6.1
JS 818	3.0	6.3	6.7	5.3	5.3	6.3	6.0	6.7	6.1
K12-13	1.7	5.7	6.0	6.0	5.7	6.3	7.0	6.3	6.1
PST-5MVD	6.3	6.3	6.7	5.3	6.7	6.0	5.7	6.0	6.1
RAD-TF-89	4.3	6.7	7.0	5.3	7.3	6.0	4.7	6.0	6.1
TEMPTATION (OR-21)	4.3	7.3	6.3	5.7	6.0	6.0	5.7	6.0	6.1
ATF 1736	6.3	5.7	6.3	6.0	5.3	6.7	6.7	5.7	6.0
K12-MCD	5.3	7.0	6.0	6.3	5.7	5.7	5.3	5.7	6.0
MEMPHIS (GO-DFR)	3.7	6.7	5.7	5.0	5.7	6.3	5.7	6.7	6.0
PST-5BPO	5.7	6.3	6.0	5.7	6.0	6.0	6.3	6.0	6.0
UNITUS (IS-TF 289)	3.0	7.3	5.7	6.0	6.7	5.7	5.0	6.0	6.0
CAESAR (TY 10)	5.3	8.3	5.3	5.3	6.0	5.7	4.7	5.7	5.9
FAITH	5.7	5.7	5.0	6.7	5.3	6.7	5.7	6.0	5.9
BAR FA 121095	3.3	5.7	5.0	6.3	5.3	6.0	5.7	6.3	5.8
SWAGGER (PST-5R05)	5.7	7.3	6.0	5.3	5.7	6.0	4.7	5.7	5.8
IS-TF 276 M2	4.3	6.0	5.7	5.0	5.3	5.7	5.0	7.3	5.7

TABLE 16. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK, NJ 1/  
2016 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PPG-TF-115	5.0	6.7	5.3	6.0	5.3	5.7	5.0	5.7	5.7
RAD-TF-83	4.7	6.3	6.7	5.3	5.0	5.7	5.3	5.7	5.7
TERRANO	5.0	6.3	6.3	5.3	4.3	6.3	5.3	6.0	5.7
COMP. RES. SST	3.7	5.0	6.3	6.0	5.7	5.7	4.7	5.7	5.6
JS 809	2.7	5.7	5.0	6.0	5.3	6.0	5.7	5.3	5.6
PSG-GSD	6.3	5.7	5.7	5.7	5.7	6.0	5.0	5.7	5.6
THUNDERSTRUCK (TD1)	2.0	5.3	6.3	5.7	5.7	5.7	5.0	5.3	5.6
PST-5BRK	6.0	5.3	5.0	5.7	5.7	5.7	5.0	6.3	5.5
ATF 1754	6.0	5.0	5.3	4.3	5.7	6.0	6.0	5.7	5.4
FRONTLINE (EXP TF-09)	3.7	6.7	6.0	5.3	5.0	4.7	4.3	5.0	5.3
JS 819	3.0	6.7	5.3	5.0	5.0	4.7	4.7	6.0	5.3
MARAUDER	3.0	6.0	5.0	4.7	4.3	5.7	5.0	6.7	5.3
RAIN DANCE (PST-5SDT)	6.0	5.7	5.0	4.7	5.7	5.7	4.7	5.7	5.3
BAR FA 121089	6.0	5.3	5.7	4.7	5.3	5.0	5.3	5.3	5.2
INSPIRATION (PST-R5NW)	5.0	6.0	4.7	5.3	5.0	5.3	4.7	5.0	5.1
FALCON IV	6.0	5.0	4.7	4.3	5.0	5.7	5.3	5.3	5.0
PSG-8BP2	5.0	6.3	4.7	6.0	4.7	4.0	4.7	4.7	5.0
ANNIHILATOR	3.3	5.3	4.3	4.3	4.7	5.0	4.3	6.0	4.9
PST-5EX2	8.0	3.7	4.0	4.7	4.7	6.0	5.3	5.7	4.9
BAR FA 121091	3.7	5.3	4.7	4.3	4.7	4.3	5.3	5.0	4.8
AQUADUCT	4.3	5.3	3.7	4.0	4.3	5.0	4.3	5.3	4.6
JS 825	2.3	5.3	4.7	3.7	4.7	4.7	4.3	5.0	4.6
PSG-TT4	5.0	5.0	3.3	5.0	5.0	4.7	4.7	4.7	4.6
WARHAWK	2.7	5.7	4.3	4.3	3.7	4.7	4.0	5.3	4.6
BAR FA 120878	8.0	2.0	1.3	1.3	1.7	1.7	2.7	2.7	1.9
KY-31	9.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LSD VALUE	1.0	2.3	1.8	1.6	1.8	1.6	1.9	1.9	0.9
C.V. (%)	13.4	19.6	17.3	16.4	16.9	15.6	18.4	17.2	9.6

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

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

TABLE 17.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT ADELPHIA, NJ 1/  
2016 DATA

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

NAME	GENETIC COLOR	BROWN PATCH		QUALITY RATINGS				OCT	MEAN		
		JULY	AUGUST	APR	MAY	JUN	JUL			AUG	SEP
AVENGER II (PPG-TF-156)	6.0	7.0	9.0	5.3	5.3	7.0	6.7	7.0	6.7	7.0	6.4
MET 1	7.7	5.7	8.7	6.3	5.0	5.0	6.7	6.7	6.7	6.3	6.1
REGENERATE	8.0	5.7	7.7	6.0	5.7	5.3	5.7	6.0	7.3	6.7	6.1
ROCKWELL (LTP-TWUU)	7.3	6.7	7.3	5.7	6.0	6.0	6.7	5.3	6.7	6.0	6.0
FIRECRACKER SLS (PPG-TF-105)	7.3	5.7	7.3	6.0	5.7	5.7	6.7	5.3	6.0	5.7	5.9
REBOUNDER (PICK-W43)	7.7	5.7	5.0	7.0	5.7	5.7	6.3	4.7	5.7	6.0	5.9
THOR (PPG-TF-157)	6.7	5.7	6.0	5.7	5.7	6.3	6.0	5.0	6.7	6.0	5.9
FAYETTE (IS-TF 291)	7.3	5.3	8.3	6.0	5.0	5.3	5.3	6.3	5.7	6.0	5.7
PPG-TF-135	6.7	6.7	6.3	5.3	6.0	5.3	5.3	5.0	6.3	6.3	5.7
XTENDER (PPG-TF-139)	7.0	5.7	5.0	6.3	5.0	6.0	5.0	4.7	6.3	6.3	5.7
B23	8.0	6.0	4.0	5.0	6.3	6.0	5.7	4.7	5.3	6.0	5.6
FIREWALL (PSG-WE1)	7.0	5.3	6.0	5.7	6.0	5.3	5.0	4.7	5.7	6.7	5.6
IS-TF 269 SEL	8.0	5.7	7.7	6.0	5.3	5.3	6.0	5.3	5.7	5.3	5.6
IS-TF 308 SEL	7.0	5.3	4.3	5.3	5.7	6.3	5.0	4.3	6.3	6.3	5.6
IS-TF 311	7.0	5.3	7.3	6.0	5.3	5.3	5.0	5.3	6.0	6.3	5.6
MAESTRO (T31)	6.3	6.0	7.7	5.0	5.3	5.3	6.3	5.7	6.0	5.7	5.6
MET-3	7.0	6.3	6.7	6.0	5.3	5.3	5.7	4.7	6.0	6.3	5.6
PPG-TF-138	7.3	5.7	4.3	6.0	5.7	5.7	5.7	4.3	6.0	5.7	5.6
PSG-P01	7.0	5.7	5.3	5.3	5.3	5.0	5.7	5.0	6.3	6.3	5.6
ROWDY (SRX-TPC)	7.0	7.0	7.7	6.0	5.3	5.3	5.7	5.7	5.7	5.7	5.6
SUPERSONIC (PPG-TF-170)	6.3	5.7	5.7	6.3	5.3	4.3	5.7	5.0	6.3	6.0	5.6
4TH MILLENNIUM SRP (U43)	8.3	6.0	7.3	5.7	5.0	4.0	5.3	5.7	6.7	6.3	5.5
AMITY (CCR2)	7.3	6.3	7.3	5.3	4.7	5.3	6.0	5.3	5.7	6.3	5.5
HEMI	6.7	6.0	7.3	5.7	5.7	4.7	5.3	5.3	5.7	6.0	5.5
IS-TF-287	7.7	4.7	6.3	5.7	5.3	6.0	5.3	5.0	5.7	5.7	5.5
SCREAMER LS (PPG-TF-148)	6.7	6.7	5.3	6.7	5.3	5.3	5.0	4.7	5.7	5.7	5.5
TITANIUM 2LS (PPG-TF-152)	7.3	7.3	6.3	6.3	5.7	4.7	5.3	5.0	5.7	6.0	5.5
BLOODHOUND (MET 6 SEL)	6.3	6.3	5.0	5.0	5.0	5.0	5.3	4.7	6.3	6.3	5.4
F711	7.7	5.0	8.7	6.3	4.7	4.7	5.0	6.3	6.0	5.0	5.4
HOT ROD (BURL TF-136)	7.7	5.3	6.7	5.3	5.0	5.0	5.7	5.0	5.7	6.3	5.4
JS 916	6.7	5.3	6.3	6.0	5.0	5.0	5.3	5.3	5.7	5.3	5.4
PARAMOUNT (PPG-TF-137)	6.7	6.7	7.3	4.7	5.3	4.7	5.3	5.3	6.0	6.3	5.4
RAPTOR III (ZW 44)	7.3	6.3	4.0	5.7	5.3	4.7	5.3	4.3	6.3	6.3	5.4
BIZEM	6.3	5.3	4.7	6.7	5.7	5.3	4.3	4.0	5.0	6.0	5.3
BLACK TAIL (PPG-TF-150)	8.0	5.7	5.0	6.7	5.3	4.3	5.0	4.3	6.0	5.7	5.3
FAITH	7.7	5.3	6.7	6.0	4.7	5.0	5.7	4.7	5.7	5.7	5.3
GTO (BURL TF-2)	7.3	5.0	7.3	5.0	4.7	4.3	5.3	5.0	6.7	6.3	5.3
TECHNIQUE (RZ2)	6.3	7.7	7.3	4.7	5.0	4.7	5.0	6.0	5.7	6.3	5.3
TEMPLE (DZ1)	7.0	5.7	3.7	5.7	5.7	5.0	5.3	4.0	5.3	6.0	5.3
ATF 1612	7.3	5.7	5.0	5.3	5.3	4.7	5.3	4.0	6.0	6.0	5.2
REFLECTION (U45)	8.0	5.0	3.7	5.0	5.7	4.0	4.7	4.3	6.3	6.3	5.2
TRAVERSE 2 SRP (W45)	8.0	4.7	5.0	4.7	5.7	4.3	5.3	4.7	5.7	6.3	5.2
VALKYRIE LS (PPG-TF-172)	6.0	5.7	5.0	5.3	5.0	4.7	5.0	4.7	6.3	5.7	5.2
W41	7.0	5.7	5.7	6.0	5.0	5.0	4.7	4.3	5.7	5.7	5.2
FIREBIRD 2	6.7	5.7	4.3	5.7	5.0	4.3	4.7	4.3	6.0	5.7	5.1

TABLE 17. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT ADELPHIA, NJ 1/  
2016 DATA

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

NAME	GENETIC COLOR	BROWN PATCH		QUALITY RATINGS				OCT	MEAN		
		JULY	AUGUST	APR	MAY	JUN	JUL			AUG	SEP
FOXHOUND (IS-TF 284 M2)	8.0	5.0	4.3	5.3	5.7	5.3	5.3	3.7	5.7	5.0	5.1
HOVER (BURL TF-69)	7.3	6.0	4.0	5.7	5.3	5.0	5.0	3.7	5.0	6.0	5.1
MICHELANGELO (LTP-F5DPDR)	7.3	6.3	4.3	6.7	5.3	4.7	4.3	4.7	5.0	5.3	5.1
UNITUS (IS-TF 289)	7.3	5.0	7.7	4.3	5.3	5.7	5.0	5.0	5.7	5.0	5.1
CATALYST	6.0	5.0	6.7	6.0	4.7	3.7	5.3	4.7	5.3	5.3	5.0
CROSSFIRE 4 (IS-TF 310 SEL)	7.0	4.7	3.0	4.7	5.3	5.0	5.0	3.7	5.3	6.0	5.0
DIABLO (IS-TF 330)	8.0	5.7	3.3	4.3	6.0	5.7	5.0	4.0	5.7	4.7	5.0
FALCON V	6.0	5.3	7.0	5.7	5.0	4.0	5.0	4.0	5.0	6.3	5.0
GRANDE 3	7.7	4.3	6.0	5.0	4.7	4.3	4.7	4.7	5.7	6.3	5.0
LEONARDO (LTP-FSD)	6.7	5.7	4.0	5.7	5.0	5.3	5.0	4.0	5.0	4.7	5.0
MERIDIAN (PST-5GRB)	6.7	4.7	3.7	5.7	5.3	4.7	4.3	4.0	5.7	5.3	5.0
RAD-TF-89	7.7	6.3	3.7	4.3	5.0	5.0	5.3	4.0	6.0	5.7	5.0
RAD-TF-92	7.7	5.3	2.0	4.3	5.0	5.7	5.7	3.0	5.3	6.3	5.0
SALTILLO (PST-5SALT)	6.0	6.0	4.7	4.7	5.0	5.3	5.0	4.3	5.3	5.0	5.0
TURFWAY (IS-TF 282 M2)	7.0	4.7	5.0	5.0	5.3	4.7	5.0	4.3	5.3	5.0	5.0
ATF 1704	7.0	6.0	5.0	4.7	5.0	4.0	3.7	4.7	6.0	6.0	4.9
ATF 1736	6.0	5.0	4.7	5.0	5.0	4.7	4.0	4.7	5.3	5.3	4.9
ATF 1754	6.3	5.0	4.7	4.3	5.0	4.7	4.3	4.3	5.7	5.7	4.9
BULLSEYE	6.7	4.0	6.3	5.7	5.0	4.7	4.3	5.0	5.3	4.3	4.9
K12-05	7.3	4.7	2.0	5.0	5.7	6.3	3.7	3.0	5.0	5.7	4.9
NIGHTCRAWLER (IS-TF 285)	6.3	5.0	5.0	5.0	5.3	4.3	5.0	4.0	4.7	5.7	4.9
PPG-TF-115	6.0	6.0	5.3	5.0	5.7	4.7	4.3	4.3	5.0	5.3	4.9
RHAMBLER 2 SRP (LSD)	7.3	5.3	5.3	4.3	4.7	5.3	5.0	5.0	4.7	5.0	4.9
THUNDERSTRUCK (TD1)	8.0	5.0	4.0	4.7	5.3	5.3	4.7	4.0	5.3	4.7	4.9
WICHITA (PPG-TF-151)	7.3	6.0	5.0	6.0	4.7	4.3	4.7	4.3	5.0	5.3	4.9
BAR FA 121095	6.7	4.3	2.3	4.3	5.7	5.3	4.7	3.0	5.0	5.3	4.8
HOUND08 (IS-TF 307 SEL)	7.7	5.7	3.7	5.0	4.7	4.7	5.3	3.7	5.3	5.0	4.8
IS-TF 272	8.0	4.0	3.3	4.7	5.3	5.0	5.0	3.7	4.7	5.0	4.8
K12-MCD	6.0	5.3	7.0	5.3	4.3	4.7	4.7	5.0	5.0	4.7	4.8
KINGDOM (DB1)	7.0	3.3	4.0	4.7	6.0	4.0	4.0	4.3	5.7	5.0	4.8
PPG-TF-169	5.3	4.3	4.3	4.7	4.7	3.7	4.7	4.3	5.7	5.7	4.8
RAD-TF-83	8.7	5.3	3.7	4.7	5.7	5.0	4.7	3.3	4.7	5.7	4.8
EMBRACE (PST-5EV2)	6.0	4.3	6.0	5.3	4.7	4.7	4.0	4.3	5.0	5.0	4.7
FESNOVA	6.7	4.0	5.7	5.0	5.3	4.7	3.7	4.7	4.7	5.0	4.7
PST-5BPO	7.7	5.0	7.0	5.0	5.0	4.3	4.7	4.3	4.7	5.0	4.7
PST-5MVD	6.3	5.7	5.3	4.3	4.7	5.3	4.3	4.3	4.7	5.0	4.7
RHIZING MOON (IS-TF 305 SEL)	7.3	5.7	7.3	4.7	4.0	4.0	4.7	5.0	5.3	5.3	4.7
ARES (PPG-TF-142)	6.7	5.3	2.3	5.0	5.0	4.3	4.3	3.7	4.0	5.0	4.5
JS 818	6.7	5.0	3.0	4.7	5.0	4.7	4.3	3.3	5.3	4.3	4.5
OLYMPUS (RAD-TF-88)	7.3	4.3	2.0	4.7	5.0	4.7	4.0	2.3	4.3	6.7	4.5
DYNAMITE LS (PPG-TF-145)	7.3	4.3	4.7	4.3	4.7	3.7	4.3	4.3	5.0	4.7	4.4
PSG-GSD	5.7	5.7	5.7	4.7	4.0	3.7	5.0	4.7	4.3	4.3	4.4
PSG-TT4	6.0	4.7	4.0	4.3	4.7	4.3	4.7	4.0	4.3	4.3	4.4
PST-5DZP	6.0	4.0	5.7	4.7	4.3	4.3	4.3	4.0	4.7	4.7	4.4
BAR FA 121089	7.0	4.7	3.7	4.3	5.0	4.0	4.0	4.0	4.7	4.0	4.3

TABLE 17. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT ADELPHIA, NJ 1/  
2016 DATA

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

NAME	GENETIC COLOR	BROWN PATCH		QUALITY RATINGS							MEAN
		JULY	AUGUST	APR	MAY	JUN	JUL	AUG	SEP	OCT	
MEMPHIS (GO-DFR)	7.0	4.3	3.0	4.3	5.3	4.0	4.0	3.3	4.7	4.7	4.3
PSG-8BP2	6.7	4.0	3.3	5.0	4.3	5.0	3.7	4.0	4.0	4.0	4.3
PST-5BRK	5.3	5.3	7.3	4.7	4.0	4.7	4.3	4.3	4.0	4.0	4.3
IS-TF 276 M2	7.3	5.0	5.0	4.0	4.3	4.0	4.3	4.0	4.3	4.7	4.2
JS 819	6.7	4.3	2.3	4.3	4.7	4.0	3.7	4.0	4.3	4.7	4.2
CAESAR (TY 10)	6.7	5.0	4.3	5.0	4.3	3.7	3.7	4.0	4.7	3.7	4.1
RAIN DANCE (PST-5SDT)	6.0	2.7	5.3	4.7	4.7	4.0	3.3	3.7	4.0	4.3	4.1
TERRANO	5.3	5.7	5.0	4.7	3.7	4.3	4.3	4.0	4.0	3.7	4.1
204 RES. BLK4	5.7	1.0	2.0	4.0	5.0	4.3	2.0	2.7	4.7	5.0	4.0
BAR FA 121091	7.0	3.3	3.3	4.0	4.3	3.7	3.7	4.0	4.7	4.0	4.0
SWAGGER (PST-5R05)	5.7	4.3	6.7	3.7	4.7	3.0	3.7	4.3	4.3	4.0	4.0
TEMPTATION (OR-21)	8.0	4.7	4.7	4.0	4.7	4.0	3.7	4.0	4.0	4.0	4.0
ANNIHILATOR	6.7	1.7	2.7	4.3	4.7	4.0	2.0	3.0	4.3	5.0	3.9
INSPIRATION (PST-R5NW)	6.7	4.0	6.3	4.0	4.3	3.7	4.0	3.7	4.0	3.3	3.9
K12-13	6.3	2.3	3.3	3.7	4.7	3.3	2.3	3.3	4.3	4.7	3.8
FRONTLINE (EXP TF-09)	6.7	3.7	5.0	4.0	4.0	3.7	2.7	4.0	4.0	3.3	3.7
JS 809	6.3	3.3	2.7	3.7	4.3	2.7	3.0	3.3	4.3	4.3	3.7
MARAUDER	5.7	2.0	1.7	4.7	4.3	4.3	2.0	2.7	4.0	4.0	3.7
PST-5EX2	5.3	6.0	7.7	3.0	3.3	3.3	3.7	4.3	3.7	4.3	3.7
COMP. RES. SST	5.7	2.0	2.3	4.0	4.7	4.0	2.0	2.7	4.0	3.7	3.6
FALCON IV	5.7	5.0	4.3	4.0	4.0	3.3	3.0	4.0	3.3	3.7	3.6
JS 825	6.3	3.3	3.0	3.3	4.0	3.3	2.7	4.0	3.0	3.7	3.4
WARHAWK	6.3	2.3	1.7	3.7	4.0	3.7	2.0	2.3	3.3	4.3	3.3
AQUADUCT	6.3	3.0	3.7	3.0	4.0	2.7	2.3	3.3	3.3	3.7	3.2
BAR FA 120878	4.0	3.3	5.3	2.7	1.0	1.0	1.7	2.7	2.0	2.0	1.9
KY-31	1.0	4.3	7.0	1.0	1.0	1.0	1.0	2.3	1.3	1.0	1.2
LSD VALUE	1.7	2.0	2.7	1.3	1.0	1.7	1.5	1.1	1.0	1.3	0.7
C.V. (%)	14.4	22.7	31.8	15.6	12.7	21.0	20.0	16.4	12.5	15.1	9.1

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

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

TABLE 18.

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/  
2016 DATA

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

NAME	BEFORE TRAFFIC ON APRIL 11-12				AFTER TRAFFIC IN SPRING (JUNE 2-3)				BEFORE TRAFFIC ON JUNE 29			
	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
TECHNIQUE (RZ2)	8.0	6.3	86.3	66.7	9.0	8.0	99.0	78.3	8.7	7.7	99.0	81.7
REGENERATE	9.0	6.7	94.7	71.7	9.0	8.0	97.7	83.3	9.0	8.7	93.0	85.0
B23	9.0	7.0	99.0	73.3	9.0	8.0	99.0	85.0	9.0	8.3	97.7	90.0
OLYMPUS (RAD-TF-88)	8.7	7.0	91.3	73.3	9.0	7.7	94.7	81.7	8.7	8.0	96.3	90.0
CROSSFIRE 4 (IS-TF 310 SEL)	8.7	6.7	91.7	66.7	9.0	7.7	96.3	73.3	9.0	7.7	99.0	88.3
HOT ROD (BURL TF-136)	8.3	6.3	91.0	63.3	9.0	7.3	94.7	78.3	9.0	8.0	96.0	88.3
BIZEM	9.0	8.3	93.0	81.7	9.0	7.7	97.7	81.7	8.7	8.0	93.3	83.3
HEMI	8.7	6.7	89.7	66.7	9.0	7.7	97.7	80.0	9.0	8.3	97.7	83.3
PARAMOUNT (PPG-TF-137)	8.0	6.0	88.3	60.0	9.0	8.0	97.7	75.0	9.0	8.3	97.7	88.3
PPG-TF-169	8.3	7.0	90.0	68.3	8.3	7.0	93.3	71.7	9.0	7.7	94.7	81.7
REBOUNDER (PICK-W43)	9.0	6.3	96.0	73.3	9.0	7.7	97.7	75.0	9.0	7.7	99.0	88.3
REFLECTION (U45)	9.0	6.0	96.3	61.7	9.0	8.3	97.7	80.0	9.0	8.7	99.0	91.7
MEMPHIS (GO-DFR)	8.3	6.3	89.7	66.7	8.0	6.7	96.3	70.0	8.3	7.3	94.7	85.0
PST-5BPO	8.7	7.7	94.3	80.0	9.0	8.0	93.0	73.3	8.7	8.0	97.7	86.7
PST-5EX2	9.0	8.3	93.0	89.7	8.3	5.7	93.0	68.3	8.3	7.3	90.0	76.7
F711	9.0	7.0	97.7	73.3	9.0	8.0	97.7	76.7	8.7	8.3	97.7	88.3
FOXHOUND (IS-TF 284 M2)	8.7	5.7	91.3	56.7	9.0	6.7	96.3	78.3	8.7	8.3	96.3	88.3
GTO (BURL TF-2)	8.0	6.3	86.3	70.0	8.7	6.3	94.7	66.7	8.7	7.3	97.7	86.7
HOVER (BURL TF-69)	8.3	6.7	91.7	65.0	8.7	6.7	97.7	75.0	9.0	7.7	96.3	83.3
PST-5BRK	8.3	7.7	84.7	75.0	8.7	7.3	90.0	73.3	8.3	8.3	94.7	83.3
RAD-TF-89	9.0	7.0	94.7	76.7	8.7	7.7	96.0	78.3	9.0	7.3	96.3	83.3
TEMPLE (DZ1)	9.0	6.7	94.7	70.0	9.0	7.7	96.3	75.0	9.0	7.7	95.0	85.0
BLACK TAIL (PPG-TF-150)	9.0	7.7	97.7	75.0	9.0	8.0	99.0	81.7	9.0	8.7	99.0	88.3
IS-TF 311	8.0	7.0	84.3	75.0	8.7	7.3	96.0	70.0	9.0	8.3	97.7	86.7
NIGHTCRAWLER (IS-TF 285)	8.3	6.0	90.0	61.7	8.7	8.0	97.7	76.7	9.0	7.3	96.3	86.7
SUPERSONIC (PPG-TF-170)	8.7	7.0	93.0	71.7	8.3	7.3	96.3	73.3	8.7	8.0	93.3	83.3
ANNIHILATOR	8.0	4.7	90.0	51.7	8.0	6.3	85.0	63.3	7.7	6.0	90.0	80.0
AQUADUCT	8.3	7.0	90.0	70.0	8.0	6.3	88.3	68.3	8.0	6.7	91.3	78.3
BAR FA 121095	8.0	5.0	90.0	53.3	8.3	6.7	95.0	63.3	8.3	6.3	93.3	76.7
BULLSEYE	8.7	6.0	94.7	61.7	9.0	7.0	94.7	71.7	9.0	7.7	96.0	80.0
CATALYST	9.0	6.7	97.7	70.0	9.0	7.0	96.3	63.3	8.7	7.0	91.7	85.0
EMBRACE (PST-5EV2)	8.7	7.3	88.0	73.3	9.0	8.0	97.7	78.3	9.0	8.3	97.7	86.7
FIRECRACKER SLS (PPG-TF-105)	9.0	6.7	93.3	70.0	9.0	7.7	99.0	81.7	8.7	8.0	97.7	85.0
IS-TF 269 SEL	9.0	5.3	90.0	55.0	8.7	7.0	96.3	73.3	9.0	8.3	97.7	91.7
JS 916	9.0	7.0	96.0	71.7	8.7	7.3	99.0	75.0	8.7	8.3	94.7	86.7
RAPTOR III (ZW 44)	8.3	6.7	91.7	66.7	9.0	8.0	94.7	80.0	9.0	8.3	99.0	91.7
ATF 1704	9.0	8.7	99.0	91.7	8.7	7.0	96.3	73.3	9.0	8.3	94.7	83.3
AVENGER II (PPG-TF-156)	8.7	7.3	96.0	71.7	9.0	8.0	99.0	76.7	9.0	8.7	96.0	85.0
IS-TF 308 SEL	8.3	6.7	87.7	70.0	8.7	7.7	99.0	76.7	9.0	8.0	99.0	86.7
KINGDOM (DB1)	8.7	5.0	91.7	45.0	9.0	7.3	95.0	70.0	9.0	8.0	97.7	88.3
MERIDIAN (PST-5GRB)	8.7	6.3	93.0	63.3	9.0	8.3	97.7	83.3	9.0	9.0	99.0	93.3
PSG-GSD	9.0	7.0	94.7	75.0	8.3	7.0	91.7	70.0	8.3	7.3	96.3	81.7
RAD-TF-92	8.7	7.0	93.3	71.7	9.0	8.0	96.3	78.3	9.0	8.3	99.0	90.0
RHAMBLER 2 SRP (LSD)	8.7	6.7	96.0	66.7	9.0	8.0	96.3	81.7	9.0	8.7	99.0	85.0
VALKYRIE LS (PPG-TF-172)	8.7	7.3	94.3	73.3	9.0	8.0	97.7	81.7	9.0	8.3	93.3	85.0

TABLE 18. (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/  
2016 DATA

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

NAME	BEFORE TRAFFIC ON APRIL 11-12				AFTER TRAFFIC IN SPRING (JUNE 2-3)				BEFORE TRAFFIC ON JUNE 29			
	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
XTENDER (PPG-TF-139)	9.0	6.3	90.0	65.0	9.0	8.3	96.3	80.0	8.7	8.7	97.7	91.7
204 RES. BLK4	8.7	5.0	90.0	53.3	8.7	6.7	95.0	65.0	8.3	7.3	94.7	83.3
BLOODHOUND (MET 6 SEL)	8.7	6.3	91.3	63.3	9.0	7.0	99.0	71.7	9.0	7.3	97.7	83.3
COMP. RES. SST	7.3	6.3	81.7	66.7	8.7	7.3	91.7	73.3	8.7	7.7	94.7	85.0
JS 819	8.0	4.7	85.0	51.7	8.3	7.3	91.7	73.3	8.0	7.7	85.0	75.0
K12-05	8.0	4.0	85.0	43.3	8.7	7.0	96.3	71.7	9.0	8.0	97.7	85.0
MICHELANGELO (LTP-F5DPDR)	9.0	7.0	94.3	71.7	9.0	7.3	95.0	80.0	8.7	7.7	96.3	83.3
TEMPTATION (OR-21)	8.0	4.7	85.0	50.0	8.7	6.3	93.3	63.3	8.3	6.0	95.0	75.0
W41	8.7	5.7	88.3	58.3	9.0	8.7	97.7	76.7	8.7	7.7	97.7	88.3
4TH MILLENNIUM SRP (U43)	9.0	7.0	96.3	68.3	9.0	7.7	99.0	76.7	8.7	7.7	97.7	88.3
FALCON V	9.0	6.0	96.0	56.7	8.7	6.7	96.3	70.0	8.7	7.3	96.3	78.3
FIREWALL (PSG-WE1)	7.0	6.0	75.0	58.3	8.3	7.0	94.7	75.0	8.7	8.0	96.3	85.0
GRANDE 3	8.7	7.7	92.7	76.7	8.3	6.0	95.0	63.3	8.3	6.3	93.3	75.0
JS 809	8.3	6.0	88.3	58.3	8.3	6.7	93.3	68.3	8.0	7.3	93.3	81.7
K12-13	8.0	4.3	85.0	45.0	9.0	7.3	93.3	75.0	9.0	8.3	94.7	86.7
MAESTRO (T31)	8.3	7.7	89.3	80.0	8.7	7.3	96.0	73.3	9.0	8.7	97.7	86.7
MET 1	9.0	7.3	93.3	75.0	9.0	7.0	99.0	75.0	9.0	8.0	97.7	81.7
PPG-TF-135	9.0	6.7	97.7	71.7	8.7	7.7	94.7	76.7	9.0	8.3	97.7	86.7
PSG-8BP2	8.7	7.0	93.0	75.0	8.3	8.0	91.7	75.0	8.3	8.0	91.7	81.7
PSG-TT4	8.0	6.7	90.0	68.3	8.3	6.3	90.0	61.7	8.0	6.3	91.7	75.0
ROWDY (SRX-TPC)	9.0	6.3	99.0	63.3	9.0	8.0	97.7	76.7	9.0	8.0	97.7	86.7
SALTILLO (PST-5SALT)	9.0	6.7	93.3	66.7	9.0	7.3	96.3	73.3	8.3	7.3	95.0	85.0
SCREAMER LS (PPG-TF-148)	9.0	7.0	99.0	76.7	8.3	6.7	94.7	71.7	8.7	7.3	96.0	81.7
SWAGGER (PST-5R05)	8.7	5.7	91.7	56.7	8.3	6.7	93.3	70.0	9.0	8.0	95.0	80.0
IS-TF 276 M2	8.7	6.3	93.3	66.7	8.3	7.3	90.0	75.0	8.0	7.3	93.3	83.3
PST-5MVD	9.0	7.3	99.0	75.0	8.7	7.3	94.7	75.0	8.7	7.3	95.0	81.7
RHIZING MOON (IS-TF 305 SEL)	8.0	6.0	86.3	63.3	9.0	7.3	94.7	68.3	8.7	7.3	94.7	83.3
THOR (PPG-TF-157)	8.7	5.3	97.7	65.0	8.7	7.0	96.0	71.7	8.7	7.7	97.7	83.3
TITANIUM 2LS (PPG-TF-152)	8.7	6.0	94.7	61.7	9.0	7.7	96.3	78.3	8.7	8.3	97.7	83.3
ATF 1612	8.7	6.7	91.3	68.3	8.7	7.0	96.3	70.0	9.0	7.7	96.3	83.3
ATF 1754	8.7	6.3	91.7	65.0	8.3	6.3	93.0	70.0	8.3	7.3	94.7	81.7
FALCON IV	8.0	6.0	90.0	61.7	8.0	6.7	90.0	71.7	8.0	7.3	90.0	80.0
INSPIRATION (PST-R5NW)	8.3	6.0	91.7	60.0	8.3	7.3	91.7	75.0	8.0	7.7	95.0	83.3
MET-3	9.0	6.7	93.0	66.7	8.3	7.3	95.0	75.0	9.0	8.7	96.3	90.0
RAIN DANCE (PST-5SDT)	8.3	6.7	85.0	70.0	8.0	6.7	88.3	71.7	8.0	6.7	88.3	75.0
WARHAWK	8.0	4.7	88.3	48.3	8.0	7.0	91.7	58.3	8.0	6.3	83.3	75.0
BAR FA 121091	7.3	5.3	81.7	58.3	7.7	6.0	88.3	56.7	7.3	5.7	85.0	66.7
FAYETTE (IS-TF 291)	9.0	7.3	97.7	75.0	9.0	7.3	96.3	76.7	9.0	8.3	95.0	86.7
FIREBIRD 2	8.7	5.7	93.3	58.3	9.0	8.0	94.7	68.3	9.0	8.0	97.7	83.3
HOUND08 (IS-TF 307 SEL)	9.0	6.3	97.7	65.0	9.0	7.7	97.7	75.0	9.0	8.3	96.3	81.7
IS-TF-287	9.0	7.3	93.3	75.0	9.0	7.7	96.0	71.7	9.0	7.7	99.0	83.3
REBEL V (ATF 1736)	8.7	6.7	96.0	68.3	8.7	6.7	94.7	73.3	8.7	7.0	93.3	80.0
TRAVERSE 2 SRP (W45)	9.0	6.7	93.3	68.3	9.0	7.7	99.0	80.0	9.0	8.7	99.0	91.7
UNITUS (IS-TF 289)	7.7	4.7	81.3	50.0	8.7	6.7	93.0	65.0	9.0	7.0	97.7	81.7
AMITY (CCR2)	9.0	4.7	93.0	51.7	9.0	6.3	99.0	65.0	9.0	7.7	97.7	85.0



TABLE 18. (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/  
2016 DATA

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

NAME	BEFORE TRAFFIC ON APRIL 11-12				AFTER TRAFFIC IN SPRING (JUNE 2-3)				BEFORE TRAFFIC ON JUNE 29			
	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
FRONTLINE (EXP TF-09)	9.0	6.7	90.0	63.3	8.0	6.7	90.0	70.0	7.3	5.7	88.3	75.0
IS-TF 272	8.7	5.7	88.3	61.7	9.0	7.0	97.7	71.7	9.0	7.3	97.7	83.3
JS 818	8.3	5.0	85.0	55.0	8.7	6.7	95.0	70.0	8.3	7.3	94.7	85.0
MARAUDER	8.0	4.7	86.7	50.0	8.3	5.7	91.7	60.0	8.0	6.0	91.7	75.0
RAD-TF-83	8.3	5.3	86.7	60.0	8.0	6.7	91.7	71.7	8.3	7.7	93.0	76.7
ROCKWELL (LTP-TWUU)	9.0	8.0	94.7	83.3	9.0	7.3	96.3	73.3	9.0	8.3	99.0	95.0
TURFWAY (IS-TF 282 M2)	8.7	5.7	96.0	55.0	8.7	7.0	94.7	71.7	8.0	6.3	91.7	76.7
BAR FA 121089	8.3	6.0	85.0	65.0	8.3	6.0	91.7	65.0	7.7	6.0	80.0	65.0
DIABLO (IS-TF 330)	8.7	6.0	93.0	60.0	8.7	7.7	97.7	76.7	9.0	7.7	96.3	83.3
FAITH	7.7	6.7	81.7	68.3	8.7	7.7	93.3	70.0	8.3	7.3	88.3	75.0
PPG-TF-138	9.0	5.3	96.3	55.0	9.0	7.3	96.3	73.3	9.0	8.0	96.3	85.0
CAESAR (TY 10)	8.7	6.3	90.0	70.0	8.3	6.3	94.7	71.7	9.0	7.0	93.3	83.3
FESNOVA	9.0	6.3	97.7	66.7	8.7	7.7	95.0	70.0	9.0	7.7	96.3	78.3
PSG-PO1	8.0	6.3	91.3	65.0	8.7	6.7	96.3	71.7	9.0	7.3	99.0	86.7
THUNDERSTRUCK (TD1)	7.3	4.0	79.7	38.3	9.0	6.7	96.3	65.0	8.7	7.0	95.0	78.3
DYNAMITE LS (PPG-TF-145)	8.7	5.3	85.0	51.7	9.0	7.3	94.7	73.3	8.7	7.3	93.3	85.0
BAR FA 120878	7.3	5.7	76.7	65.0	7.0	5.3	73.3	55.0	6.3	5.7	68.3	60.0
K12-MCD	8.7	7.3	91.7	73.3	8.7	6.7	95.0	68.3	9.0	7.3	96.0	83.3
PPG-TF-115	8.7	5.7	86.7	58.3	8.0	6.3	90.0	70.0	8.0	6.7	93.3	78.3
LEONARDO (LTP-FSD)	9.0	7.7	96.0	76.7	8.7	7.0	95.0	70.0	8.0	7.3	93.0	83.3
PST-5DZP	9.0	6.0	93.0	55.0	8.7	7.0	93.3	66.7	9.0	8.0	95.0	83.3
ARES (PPG-TF-142)	8.3	4.7	85.0	48.3	8.3	6.3	95.0	65.0	8.3	7.0	93.0	86.7
WICHITA (PPG-TF-151)	9.0	6.0	97.7	66.7	8.7	6.3	97.7	73.3	9.0	8.0	97.7	86.7
JS 825	7.3	4.7	78.3	48.3	8.0	5.7	90.0	61.7	7.7	6.3	83.3	70.0
TERRANO	8.3	5.0	93.3	56.7	8.7	7.0	93.0	70.0	8.7	7.7	96.0	83.3
KY-31	6.3	5.0	63.3	53.3	6.3	4.7	66.7	46.7	6.0	4.7	65.0	50.0
LSD VALUE	1.7	1.8	22.4	18.4	0.7	1.3	5.0	9.6	0.6	1.1	5.5	9.1
C.V. (%)	8.3	15.9	9.1	15.8	4.7	10.0	3.4	8.0	4.6	9.0	3.8	6.7

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

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

TABLE 18. (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/  
2016 DATA

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

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 18)				BEFORE TRAFFIC ON SEPTEMBER 12				AFTER TRAFFIC IN FALL (NOVEMBER 2-4)			
	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
TECHNIQUE (RZ2)	9.0	8.0	99.0	83.3	9.0	8.3	99.0	86.7	9.0	7.0	97.7	80.0
REGENERATE	9.0	8.0	99.0	83.3	9.0	8.3	97.7	90.0	9.0	7.7	97.7	76.7
B23	9.0	7.7	97.7	83.3	9.0	8.3	94.7	83.3	9.0	7.3	95.0	75.0
OLYMPUS (RAD-TF-88)	8.7	7.3	96.3	78.3	9.0	8.7	94.7	78.3	8.7	6.7	91.7	75.0
CROSSFIRE 4 (IS-TF 310 SEL)	8.7	7.3	94.7	76.7	9.0	8.7	97.7	83.3	9.0	7.0	96.3	73.3
HOT ROD (BURL TF-136)	9.0	8.0	97.7	81.7	9.0	8.7	94.7	83.3	9.0	7.0	97.7	73.3
BIZEM	9.0	7.3	97.7	76.7	9.0	7.7	96.3	83.3	9.0	7.0	97.7	71.7
HEMI	9.0	8.0	97.7	76.7	9.0	8.3	97.7	86.7	9.0	7.3	95.0	71.7
PARAMOUNT (PPG-TF-137)	9.0	7.3	94.7	78.3	8.7	8.0	99.0	90.0	9.0	6.0	96.0	71.7
PPG-TF-169	9.0	7.3	97.7	76.7	9.0	8.0	97.7	85.0	8.7	7.0	95.0	71.7
REBOUNDER (PICK-W43)	9.0	7.0	99.0	76.7	9.0	8.0	96.3	78.3	9.0	7.0	96.3	71.7
REFLECTION (U45)	9.0	7.7	96.3	81.7	9.0	8.3	97.7	90.0	9.0	7.3	93.0	71.7
MEMPHIS (GO-DFR)	9.0	7.7	96.3	78.3	8.7	8.3	93.3	80.0	8.7	6.7	93.3	70.0
PST-5BPO	8.3	7.0	94.7	78.3	8.7	8.0	93.0	85.0	9.0	6.3	91.7	70.0
PST-5EX2	8.0	6.3	90.0	70.0	8.3	7.3	91.7	78.3	8.3	6.3	93.0	70.0
F711	9.0	8.0	97.7	78.3	9.0	8.3	96.0	85.0	9.0	6.7	97.7	68.3
FOXHOUND (IS-TF 284 M2)	9.0	7.3	97.7	75.0	9.0	7.3	96.3	78.3	9.0	6.7	93.3	68.3
GTO (BURL TF-2)	9.0	7.7	99.0	80.0	9.0	9.0	97.7	86.7	9.0	6.7	93.3	68.3
HOVER (BURL TF-69)	9.0	7.0	97.7	78.3	9.0	8.3	96.3	81.7	9.0	6.7	96.0	68.3
PST-5BRK	8.3	7.0	93.3	76.7	8.3	7.7	88.3	76.7	8.3	6.0	90.0	68.3
RAD-TF-89	8.7	7.3	94.7	76.7	8.3	7.7	94.7	86.7	8.7	6.0	90.0	68.3
TEMPLE (DZ1)	9.0	7.0	97.7	78.3	9.0	8.0	97.7	83.3	9.0	6.3	95.0	68.3
BLACK TAIL (PPG-TF-150)	9.0	7.0	97.7	76.7	9.0	7.7	97.7	80.0	9.0	6.7	97.7	66.7
IS-TF 311	9.0	8.0	99.0	80.0	9.0	7.3	90.0	83.3	9.0	6.3	91.7	66.7
NIGHTCRAWLER (IS-TF 285)	9.0	7.0	97.7	73.3	8.3	7.0	99.0	81.7	9.0	6.3	93.3	66.7
SUPERSONIC (PPG-TF-170)	9.0	7.3	96.3	75.0	8.7	7.3	93.3	85.0	9.0	6.3	95.0	66.7
ANNIHILATOR	8.0	6.7	88.3	65.0	7.3	6.0	80.0	70.0	9.0	6.0	90.0	65.0
AQUADUCT	8.3	7.3	93.3	75.0	7.7	6.7	86.7	78.3	8.0	6.0	83.3	65.0
BAR FA 121095	9.0	6.3	96.3	73.3	8.7	7.0	93.0	71.7	8.3	5.7	90.0	65.0
BULLSEYE	9.0	7.3	96.0	75.0	9.0	8.3	97.7	83.3	8.0	6.3	91.7	65.0
CATALYST	8.7	6.7	97.7	75.0	9.0	7.7	96.0	78.3	8.7	5.3	94.7	65.0
EMBRACE (PST-5EV2)	9.0	7.3	97.7	75.0	9.0	7.7	93.3	80.0	9.0	6.3	95.0	65.0
FIRECRACKER SLS (PPG-TF-105)	9.0	7.3	96.3	81.7	8.7	7.7	99.0	85.0	9.0	6.0	96.3	65.0
IS-TF 269 SEL	9.0	8.0	99.0	83.3	9.0	8.0	96.3	81.7	8.7	6.0	95.0	65.0
JS 916	9.0	7.7	96.3	80.0	9.0	8.3	99.0	85.0	9.0	6.0	91.7	65.0
RAPTOR III (ZW 44)	9.0	7.3	97.7	76.7	9.0	7.7	97.7	78.3	8.7	6.0	97.7	65.0
ATF 1704	9.0	7.7	97.7	80.0	9.0	8.0	96.3	85.0	9.0	6.0	93.0	63.3
AVENGER II (PPG-TF-156)	9.0	7.3	97.7	76.7	9.0	8.0	97.7	83.3	8.7	6.0	94.7	63.3
IS-TF 308 SEL	9.0	7.7	97.7	80.0	8.7	8.3	97.7	88.3	9.0	7.0	99.0	63.3
KINGDOM (DB1)	9.0	7.0	97.7	75.0	9.0	8.7	97.7	83.3	8.7	5.7	91.7	63.3
MERIDIAN (PST-5GRB)	9.0	8.3	97.7	88.3	8.7	8.3	96.0	85.0	8.3	6.0	90.0	63.3
PSG-GSD	9.0	7.7	94.7	75.0	8.3	7.0	97.7	81.7	8.3	6.0	86.7	63.3
RAD-TF-92	9.0	8.0	93.3	81.7	9.0	8.0	96.3	85.0	9.0	5.7	92.7	63.3
RHAMBLER 2 SRP (LSD)	9.0	8.3	97.7	83.3	9.0	8.0	94.7	85.0	8.7	7.0	94.7	63.3
VALKYRIE LS (PPG-TF-172)	9.0	6.3	96.0	76.7	9.0	7.0	97.7	80.0	8.7	6.0	94.7	63.3

TABLE 18. (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/  
2016 DATA

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

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 18)				BEFORE TRAFFIC ON SEPTEMBER 12				AFTER TRAFFIC IN FALL (NOVEMBER 2-4)			
	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
XTENDER (PPG-TF-139)	9.0	7.3	96.0	78.3	9.0	8.0	96.3	80.0	8.0	5.3	93.3	63.3
204 RES. BLK4	8.7	6.7	93.3	70.0	9.0	6.7	97.7	78.3	9.0	6.3	93.3	61.7
BLOODHOUND (MET 6 SEL)	9.0	6.7	97.7	63.3	8.7	6.3	97.7	75.0	9.0	6.0	95.0	61.7
COMP. RES. SST	9.0	7.3	93.0	68.3	8.3	6.0	93.0	75.0	8.3	6.0	83.3	61.7
JS 819	9.0	7.3	95.0	76.7	7.7	6.3	86.7	71.7	8.0	5.3	86.7	61.7
K12-05	9.0	7.3	96.3	70.0	8.7	7.3	94.7	71.7	8.7	5.7	94.7	61.7
MICHELANGELO (LTP-F5DPDR)	8.7	7.3	96.3	80.0	9.0	7.7	94.7	81.7	8.7	6.3	91.3	61.7
TEMPTATION (OR-21)	9.0	5.7	96.3	65.0	8.3	6.0	94.7	71.7	8.7	5.0	90.0	61.7
W41	9.0	7.3	96.3	76.7	9.0	8.3	97.7	86.7	8.7	6.0	93.3	61.7
4TH MILLENNIUM SRP (U43)	9.0	8.0	94.7	80.0	9.0	7.7	96.3	80.0	9.0	6.7	96.0	60.0
FALCON V	8.7	6.0	95.0	70.0	8.7	7.0	88.3	73.3	8.7	5.0	91.7	60.0
FIREWALL (PSG-WE1)	9.0	7.3	94.7	76.7	8.7	7.3	94.7	76.7	9.0	6.3	97.7	60.0
GRANDE 3	9.0	6.3	96.3	70.0	8.7	7.3	97.7	81.7	8.7	6.0	93.3	60.0
JS 809	9.0	7.0	94.7	78.3	9.0	7.0	96.3	73.3	8.0	6.7	86.7	60.0
K12-13	9.0	7.3	97.7	73.3	9.0	8.0	96.3	80.0	8.7	6.0	90.0	60.0
MAESTRO (T31)	9.0	7.7	99.0	81.7	9.0	8.0	96.0	83.3	8.7	5.7	93.3	60.0
MET 1	9.0	7.3	97.7	75.0	9.0	7.7	96.3	86.7	9.0	6.0	94.7	60.0
PPG-TF-135	9.0	6.3	93.3	71.7	9.0	8.3	96.3	85.0	9.0	5.7	93.3	60.0
PSG-8BP2	9.0	7.0	93.3	75.0	8.0	6.7	81.7	71.7	8.0	5.7	83.3	60.0
PSG-TT4	8.3	6.0	88.3	66.7	8.3	6.7	85.0	71.7	8.0	5.0	81.7	60.0
ROWDY (SRX-TPC)	9.0	7.7	99.0	78.3	8.7	8.0	97.7	85.0	9.0	5.7	94.7	60.0
SALTILLO (PST-5SALT)	9.0	7.0	91.7	75.0	9.0	8.0	95.0	83.3	8.7	6.0	91.7	60.0
SCREAMER LS (PPG-TF-148)	9.0	6.3	96.0	71.7	9.0	7.7	97.7	81.7	9.0	5.3	94.7	60.0
SWAGGER (PST-5R05)	8.7	6.7	94.7	75.0	8.3	6.0	83.3	68.3	8.0	5.7	91.7	60.0
IS-TF 276 M2	8.0	7.0	91.7	73.3	8.3	7.3	94.7	71.7	8.3	6.0	91.7	58.3
PST-5MVD	8.3	6.0	93.3	70.0	9.0	7.7	91.7	78.3	8.7	5.0	88.3	58.3
RHIZING MOON (IS-TF 305 SEL)	9.0	6.7	97.7	73.3	8.7	7.3	97.7	78.3	9.0	6.3	94.7	58.3
THOR (PPG-TF-157)	9.0	7.0	97.7	75.0	9.0	8.7	97.7	90.0	9.0	5.7	96.3	58.3
TITANIUM 2LS (PPG-TF-152)	9.0	7.3	94.7	78.3	8.7	7.3	91.3	78.3	9.0	5.7	94.7	58.3
ATF 1612	9.0	7.0	96.3	78.3	9.0	8.0	96.3	83.3	8.7	6.0	90.0	56.7
ATF 1754	9.0	7.3	97.7	73.3	8.7	7.0	95.0	71.7	8.7	4.7	90.0	56.7
FALCON IV	8.3	6.3	88.3	73.3	9.0	7.7	88.3	73.3	8.3	5.0	86.7	56.7
INSPIRATION (PST-R5NW)	8.7	7.3	93.3	76.7	8.3	7.7	88.3	80.0	8.3	5.7	90.0	56.7
MET-3	9.0	7.7	96.3	78.3	9.0	8.0	96.3	83.3	9.0	5.7	93.3	56.7
RAIN DANCE (PST-5SDT)	8.7	6.7	93.3	73.3	8.3	6.3	85.0	73.3	8.0	5.3	86.7	56.7
WARHAWK	7.3	5.7	80.0	56.7	7.3	5.7	81.7	65.0	8.0	5.0	90.0	56.7
BAR FA 121091	8.3	6.0	90.0	71.7	8.3	6.3	86.7	73.3	8.0	4.3	90.0	55.0
FAYETTE (IS-TF 291)	9.0	7.3	96.3	80.0	9.0	7.3	97.7	78.3	8.7	5.7	96.0	55.0
FIREBIRD 2	9.0	7.0	97.7	73.3	8.7	8.0	97.7	80.0	9.0	6.0	94.7	55.0
HOUND08 (IS-TF 307 SEL)	9.0	7.7	97.7	80.0	8.3	7.3	94.7	81.7	8.7	5.7	96.3	55.0
IS-TF-287	9.0	7.0	97.7	76.7	8.7	7.3	91.3	80.0	8.7	6.3	88.3	55.0
REBEL V (ATF 1736)	8.3	6.0	93.3	66.7	9.0	7.7	94.7	75.0	8.3	5.0	93.3	55.0
TRAVERSE 2 SRP (W45)	9.0	7.3	96.3	75.0	9.0	7.7	97.7	85.0	9.0	6.0	96.3	55.0
UNITUS (IS-TF 289)	9.0	7.0	97.7	73.3	8.3	6.7	91.3	81.7	8.7	5.0	90.0	55.0
AMITY (CCR2)	9.0	6.0	99.0	76.7	9.0	7.3	97.7	78.3	9.0	5.0	96.3	53.3

TABLE 18. (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/  
2016 DATA

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

NAME	AFTER TRAFFIC IN SUMMER (AUGUST 18)				BEFORE TRAFFIC ON SEPTEMBER 12				AFTER TRAFFIC IN FALL (NOVEMBER 2-4)			
	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
FRONTLINE (EXP TF-09)	8.3	6.3	90.0	66.7	8.3	7.3	85.0	76.7	8.0	5.3	85.0	53.3
IS-TF 272	8.7	6.0	96.3	68.3	8.3	7.0	93.0	75.0	8.7	6.0	90.0	53.3
JS 818	9.0	7.0	95.0	71.7	8.0	7.3	91.7	75.0	8.3	6.0	86.7	53.3
MARAUDER	8.3	5.0	88.3	56.7	8.0	5.7	91.3	65.0	8.7	4.7	89.7	53.3
RAD-TF-83	8.7	6.0	93.0	60.0	9.0	6.3	91.3	73.3	8.3	5.3	93.3	53.3
ROCKWELL (LTP-TWUU)	9.0	8.3	97.7	76.7	9.0	8.0	96.3	76.7	8.7	5.3	91.7	53.3
TURFWAY (IS-TF 282 M2)	8.7	7.0	97.7	76.7	8.3	6.7	88.3	73.3	9.0	5.0	94.7	53.3
BAR FA 121089	8.7	6.0	90.0	66.7	8.0	6.0	88.3	75.0	8.3	4.3	91.7	51.7
DIABLO (IS-TF 330)	9.0	7.3	95.0	75.0	9.0	7.0	97.7	80.0	9.0	6.0	93.3	51.7
FAITH	9.0	6.0	97.7	70.0	9.0	7.3	93.0	76.7	8.7	5.0	90.0	51.7
PPG-TF-138	9.0	7.0	99.0	75.0	9.0	8.0	97.7	81.7	8.3	4.7	88.3	51.7
CAESAR (TY 10)	9.0	6.7	94.7	71.7	8.7	6.7	93.3	76.7	8.3	5.0	93.3	50.0
FESNOVA	9.0	7.3	93.0	73.3	8.7	6.7	93.3	71.7	9.0	4.7	86.7	50.0
PSG-PO1	8.3	5.3	96.0	65.0	8.7	7.0	94.7	71.7	9.0	5.3	94.7	50.0
THUNDERSTRUCK (TD1)	8.7	5.7	97.7	66.7	8.7	6.3	94.7	68.3	8.3	5.0	88.3	50.0
DYNAMITE LS (PPG-TF-145)	9.0	7.3	94.7	75.0	8.3	7.0	95.0	73.3	8.0	4.7	85.0	48.3
BAR FA 120878	7.0	5.7	76.7	56.7	7.0	5.3	75.0	65.0	7.0	4.7	73.3	46.7
K12-MCD	9.0	7.0	97.7	70.0	8.7	7.0	88.3	70.0	8.3	4.7	91.7	46.7
PPG-TF-115	8.7	6.3	96.3	71.7	8.3	6.0	95.0	71.7	8.0	4.3	91.7	46.7
LEONARDO (LTP-FSD)	8.7	6.3	95.0	68.3	9.0	7.7	93.0	75.0	8.3	5.0	90.0	45.0
PST-5DZP	9.0	6.7	95.0	71.7	9.0	7.3	91.7	76.7	8.0	4.0	86.7	45.0
ARES (PPG-TF-142)	9.0	6.0	95.0	68.3	8.3	7.3	93.0	73.3	8.0	4.7	91.7	43.3
WICHITA (PPG-TF-151)	8.7	6.3	94.7	71.7	8.3	5.7	96.3	66.7	9.0	3.3	97.7	43.3
JS 825	8.0	6.0	91.7	68.3	8.3	6.3	88.3	68.3	7.7	4.3	78.3	41.7
TERRANO	9.0	7.7	91.7	75.0	9.0	7.0	96.3	71.7	8.0	3.7	88.3	41.7
KY-31	6.0	4.3	73.3	50.0	6.3	5.0	71.7	53.3	6.7	3.7	70.0	40.0
LSD VALUE	0.5	1.5	4.9	12.3	0.6	1.7	7.2	12.1	0.7	2.3	8.4	27.2
C.V. (%)	3.7	11.7	3.3	9.0	4.5	12.3	4.7	8.6	5.0	18.6	5.2	18.8

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 19.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/  
2016 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER			BROWN PATCH COOL TEMP.	QUALITY RATING												MEAN
		SPRING	SUMMER	FALL		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BIZEM	8.3	94.7	93.7	96.0	9.0	7.0	6.7	7.0	8.7	8.0	8.0	7.7	9.0	8.0	9.0	7.3	9	7.9
THOR (PPG-TF-157)	8.0	95.0	93.7	94.7	9.0	7.7	7.0	7.0	8.0	8.0	7.7	7.7	9.0	7.3	9.0	7.3	9	7.9
FIRECRACKER SLS (PPG-TF-105)	8.0	94.3	85.7	96.0	8.3	7.0	6.7	7.0	8.3	8.0	8.0	6.7	8.7	8.0	9.0	7.0	9	7.8
W41	8.3	94.3	94.3	95.3	9.0	7.0	6.7	7.0	8.0	8.0	8.0	7.7	8.3	7.3	9.0	7.3	9	7.8
XTENDER (PPG-TF-139)	8.7	94.7	87.7	95.0	8.3	7.0	6.0	7.0	8.3	8.0	8.3	7.3	8.3	7.3	9.0	7.3	9	7.8
204 RES. BLK4	7.0	94.3	78.3	95.7	8.0	7.0	6.7	6.3	8.3	8.0	8.0	6.3	8.3	7.7	9.0	8.0	9	7.7
4TH MILLENNIUM SRP (U43)	8.0	94.7	83.7	96.7	8.7	7.0	6.0	7.0	8.0	8.3	8.0	6.3	8.7	8.0	9.0	6.7	9	7.7
BLACK TAIL (PPG-TF-150)	8.0	95.0	90.3	95.0	8.7	7.0	6.0	6.7	8.3	8.0	8.0	7.0	8.3	7.3	9.0	7.7	9	7.7
DIABLO (IS-TF 330)	8.0	94.3	81.3	96.0	8.3	7.0	6.3	6.3	8.3	8.0	8.0	6.3	8.7	8.0	9.0	7.0	9	7.7
F711	8.0	95.0	89.0	96.0	9.0	7.0	6.7	7.0	7.7	8.0	7.7	7.0	8.3	7.7	9.0	7.3	9	7.7
FAYETTE (IS-TF 291)	8.0	94.7	85.3	95.3	8.3	7.0	6.3	7.0	8.0	8.0	8.0	6.3	8.7	7.3	9.0	7.3	9	7.7
GTO (BURL TF-2)	8.0	93.7	81.7	96.3	8.3	7.0	6.3	7.7	8.0	8.0	7.7	6.7	8.0	8.0	9.0	7.3	9	7.7
IS-TF 269 SEL	8.0	94.3	84.3	95.0	8.3	7.0	6.7	6.7	8.3	8.0	7.3	6.3	9.0	7.3	9.0	7.3	9	7.7
IS-TF 308 SEL	8.3	94.3	80.3	95.7	8.0	7.0	6.7	7.0	8.0	8.0	8.3	6.3	8.0	7.7	9.0	7.0	9	7.7
PARAMOUNT (PPG-TF-137)	8.0	95.3	84.0	95.7	8.7	7.0	6.3	7.0	8.0	8.0	8.0	6.7	8.7	7.7	9.0	7.0	9	7.7
PPG-TF-115	8.0	94.7	82.7	95.7	8.7	7.0	6.7	7.0	8.0	8.0	8.0	6.3	8.0	7.7	9.0	7.3	9	7.7
PPG-TF-138	7.3	94.7	89.3	94.7	9.0	7.0	7.0	7.0	8.0	8.0	8.0	6.7	8.0	7.0	9.0	7.3	9	7.7
REBOUNDER (PICK-W43)	8.0	94.3	73.7	94.0	7.3	7.0	6.7	7.0	8.7	8.0	8.0	6.3	8.7	7.0	8.7	7.0	9	7.7
RHAMBLER 2 SRP (LSD)	8.3	94.7	82.7	96.3	8.3	7.0	6.7	7.0	8.3	8.0	8.0	6.3	8.0	7.7	9.0	7.0	9	7.7
RHIZING MOON (IS-TF 305 SEL)	8.3	94.3	69.0	96.7	7.7	7.0	6.3	7.0	8.0	8.0	8.3	6.0	8.7	8.0	9.0	7.3	9	7.7
SCREAMER LS (PPG-TF-148)	8.3	94.7	85.7	95.3	8.7	7.0	7.0	7.0	8.3	8.0	8.0	6.7	7.7	7.3	9.0	7.0	9	7.7
SUPERSONIC (PPG-TF-170)	8.0	95.0	86.3	96.0	8.7	7.0	6.0	7.3	7.7	8.0	8.0	7.0	8.3	8.0	9.0	6.7	9	7.7
TEMPLE (DZ1)	8.0	94.3	82.3	95.7	8.0	7.0	6.7	7.0	8.3	8.0	8.0	6.0	8.0	7.7	9.0	7.3	9	7.7
TITANIUM 2LS (PPG-TF-152)	8.0	93.3	85.3	96.0	8.7	7.0	6.7	7.3	8.0	8.0	8.0	6.7	8.3	7.7	9.0	7.0	9	7.7
TURFWAY (IS-TF 282 M2)	7.7	94.3	81.0	94.7	8.0	7.0	6.3	7.3	8.3	8.0	7.0	7.0	8.7	7.3	9.0	7.7	9	7.7
AMITY (CCR2)	8.0	93.7	88.7	93.3	8.7	7.0	6.7	7.0	8.0	8.0	7.3	6.7	8.7	7.0	8.7	7.3	9	7.6
AVENGER II (PPG-TF-156)	7.7	94.3	82.3	95.3	8.3	7.0	7.0	7.0	8.0	8.0	7.7	6.7	7.7	7.7	9.0	7.0	9	7.6
BLOODHOUND (MET 6 SEL)	7.3	94.0	83.0	95.7	8.7	7.0	6.3	6.7	8.3	8.0	8.0	6.3	8.0	7.7	9.0	6.3	9	7.6
BULLSEYE	8.0	94.3	84.7	96.0	8.3	7.0	6.0	7.3	8.0	8.0	8.0	6.3	8.0	7.7	9.0	7.0	9	7.6
DYNAMITE LS (PPG-TF-145)	7.7	94.3	89.0	95.3	8.7	7.0	6.0	6.3	8.0	8.0	7.3	7.0	8.3	7.3	9.0	7.3	9	7.6
EMBRACE (PST-5EV2)	7.3	94.0	74.7	96.3	7.7	7.0	6.0	6.7	8.3	8.0	8.0	6.0	8.0	8.0	9.0	7.0	9	7.6
FAITH	8.0	93.3	86.0	95.7	8.7	7.0	6.3	7.0	8.0	8.0	8.0	7.0	8.3	7.7	9.0	6.3	9	7.6
FESNOVA	7.3	95.0	88.0	95.7	8.7	7.0	6.3	6.3	8.3	8.0	8.0	6.3	8.3	7.7	9.0	7.3	9	7.6
FIREBIRD 2	7.7	94.0	62.7	96.3	6.7	7.0	6.7	7.0	8.0	8.0	8.0	5.3	8.0	8.0	9.0	7.0	9	7.6
FOXHOUND (IS-TF 284 M2)	8.0	93.7	78.0	96.0	8.0	7.0	6.3	6.3	8.3	8.0	7.3	6.0	9.0	7.7	9.0	7.3	9	7.6
IS-TF 311	8.0	95.0	89.3	95.0	9.0	7.0	6.0	7.0	8.0	8.0	7.7	6.7	8.3	7.0	9.0	7.0	9	7.6
JS 916	7.3	94.7	74.7	96.3	7.3	7.0	6.0	6.7	8.3	8.0	8.0	6.0	8.0	7.7	9.0	7.3	9	7.6
K12-05	7.7	94.0	87.3	92.3	8.7	7.0	6.0	6.7	8.7	8.0	7.7	7.0	9.0	6.7	8.7	7.0	9	7.6
K12-MCD	8.3	94.3	87.7	94.7	8.3	7.0	6.3	6.3	8.3	8.0	8.0	7.0	8.0	7.0	8.7	7.0	9	7.6
MET 1	8.0	95.0	70.7	96.0	7.3	7.0	6.3	7.3	8.0	8.0	7.7	5.3	7.7	8.0	9.0	7.3	9	7.6
MET-3	8.0	94.7	84.7	95.7	8.3	7.0	6.0	7.0	8.0	8.0	7.7	6.7	8.0	7.3	9.0	7.0	9	7.6
MICHELANGELO (LTP-F5DPDR)	7.7	94.7	68.3	96.7	6.7	7.0	6.3	7.0	8.0	8.0	7.7	6.0	8.3	8.0	9.0	7.0	9	7.6
NIGHTCRAWLER (IS-TF 285)	8.3	95.7	86.0	95.0	8.3	7.0	6.0	7.0	8.0	8.0	8.0	6.7	8.0	7.3	9.0	7.0	9	7.6
PPG-TF-135	7.7	95.0	91.3	93.7	9.0	7.0	6.0	7.0	8.0	8.0	8.0	7.0	8.3	7.3	8.7	7.0	9	7.6
PSG-GSD	8.0	94.3	80.3	95.3	7.7	7.0	6.3	7.0	8.0	8.0	7.7	6.3	7.7	7.7	9.0	7.0	9	7.6

TABLE 19. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/  
2016 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER			BROWN PATCH COOL TEMP.	QUALITY RATING												MEAN
		SPRING	SUMMER	FALL		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PST-5EX2	7.3	93.3	80.0	96.0	8.0	7.0	6.3	7.0	8.0	8.0	7.7	6.0	8.0	8.0	9.0	7.0	9.0	7.6
PST-5MVD	8.0	94.0	89.7	95.3	9.0	7.0	6.0	6.3	8.0	8.0	8.0	7.0	8.0	7.7	9.0	6.7	9.0	7.6
RAPTOR III (ZW 44)	8.0	94.7	85.3	95.3	8.3	7.0	6.7	6.7	8.0	8.0	8.0	6.3	8.3	7.7	9.0	6.3	9.0	7.6
REFLECTION (U45)	8.3	94.7	83.3	96.7	9.0	7.0	6.0	6.7	8.0	8.0	8.0	6.7	8.0	7.7	9.0	6.7	9.0	7.6
ROCKWELL (LTP-TWUU)	7.7	94.7	64.3	96.0	6.7	7.0	7.0	7.3	8.0	8.0	7.7	5.3	8.3	7.7	9.0	7.0	9.0	7.6
ROWDY (SRX-TPC)	8.0	94.0	78.0	94.7	8.0	7.0	6.3	6.7	8.3	8.0	8.0	5.7	8.3	7.3	9.0	7.0	9.0	7.6
SALTILLO (PST-5SALT)	7.7	93.7	84.7	95.7	8.3	7.0	6.7	6.0	8.0	8.0	8.0	7.0	8.0	7.7	9.0	7.3	9.0	7.6
SWAGGER (PST-5R05)	8.0	93.3	81.7	95.7	8.0	7.0	6.3	6.7	8.0	8.0	8.0	6.7	7.7	7.7	9.0	7.3	9.0	7.6
TERRANO	8.0	93.7	89.7	95.7	8.7	7.0	6.0	6.3	8.0	7.7	8.0	7.3	8.3	7.7	9.0	7.0	9.0	7.6
THUNDERSTRUCK (TD1)	8.0	95.0	85.0	95.3	8.7	7.0	6.7	6.0	8.3	8.0	7.7	6.3	8.7	7.3	9.0	6.7	9.0	7.6
WICHITA (PPG-TF-151)	8.0	94.7	76.7	94.3	7.0	7.0	7.0	7.3	8.0	8.0	8.0	6.0	8.0	7.0	8.7	7.3	9.0	7.6
ARES (PPG-TF-142)	8.0	95.7	89.7	94.0	8.7	7.0	6.0	6.3	8.3	8.3	8.0	7.0	8.0	7.0	8.3	7.0	9.0	7.5
ATF 1612	8.0	95.0	74.0	95.0	8.0	7.0	6.3	6.7	8.0	8.0	7.7	6.3	7.7	7.3	9.0	7.0	9.0	7.5
ATF 1704	8.0	93.7	79.3	94.7	8.3	7.0	7.0	6.7	8.0	8.0	7.3	5.7	8.0	7.3	9.0	7.3	9.0	7.5
BAR FA 121089	8.0	93.7	84.0	95.3	8.0	7.0	6.3	6.7	8.0	8.0	7.3	6.3	8.0	7.7	9.0	6.7	9.0	7.5
BAR FA 121095	8.0	94.3	96.0	95.3	9.0	6.7	6.0	6.0	8.0	8.0	7.7	8.0	8.0	7.7	9.0	6.7	8.7	7.5
CROSSFIRE 4 (IS-TF 310 SEL)	8.0	95.3	81.7	94.3	8.3	7.0	5.7	6.7	8.3	8.0	8.0	6.3	8.3	7.0	8.7	7.0	9.0	7.5
FALCON V	8.0	94.7	88.0	92.7	8.7	7.0	6.3	7.3	7.7	8.0	8.0	7.3	7.3	6.7	8.3	6.7	9.0	7.5
FIREWALL (PSG-WE1)	7.7	94.3	70.7	95.7	7.0	7.0	6.3	6.7	8.3	8.0	7.7	5.3	8.0	7.7	9.0	7.0	9.0	7.5
GRANDE 3	8.0	93.7	67.3	97.3	7.3	7.0	6.3	7.0	8.0	8.0	8.0	6.0	7.3	8.0	9.0	6.7	9.0	7.5
HOT ROD (BURL TF-136)	8.0	95.0	74.7	96.0	7.7	7.0	6.3	7.0	8.3	8.0	7.7	6.0	8.0	7.3	8.7	6.7	9.0	7.5
HOUNDOG8 (IS-TF 307 SEL)	8.3	94.0	77.3	95.0	8.0	7.0	5.7	6.3	8.7	8.0	8.3	6.3	8.3	7.3	8.7	6.7	9.0	7.5
INSPIRATION (PST-R5NW)	7.7	94.0	87.3	95.0	8.3	7.0	5.7	6.3	8.0	8.0	8.0	6.7	8.0	7.3	9.0	7.0	9.0	7.5
IS-TF 272	8.0	96.3	73.7	95.3	8.3	7.0	6.3	6.3	8.3	8.7	7.7	5.3	8.3	7.3	9.0	6.7	9.0	7.5
IS-TF 276 M2	8.0	94.0	74.3	95.3	7.7	7.0	6.0	7.0	8.0	8.0	8.0	5.7	8.0	7.7	8.7	6.7	9.0	7.5
IS-TF-287	8.0	94.0	79.7	95.3	8.3	7.0	6.0	6.0	8.0	8.0	7.7	6.3	8.0	7.3	9.0	7.3	9.0	7.5
JS 818	8.0	94.7	77.7	96.0	7.3	7.0	6.0	6.3	8.0	8.0	8.0	6.7	8.0	8.0	9.0	6.7	8.7	7.5
LEONARDO (LTP-FSD)	7.0	93.7	76.3	95.3	7.7	7.0	6.3	6.7	8.0	8.0	7.3	6.0	8.3	7.7	9.0	7.0	9.0	7.5
MAESTRO (T31)	8.0	94.7	79.3	94.0	8.0	7.0	6.7	7.0	8.0	8.0	7.7	5.7	8.0	7.0	9.0	7.0	9.0	7.5
MARAUDER	7.7	95.7	68.0	95.7	6.7	7.0	6.3	6.0	8.7	8.0	7.3	5.7	7.3	7.7	9.0	7.7	9.0	7.5
MEMPHIS (GO-DFR)	8.0	93.7	77.0	94.7	8.0	7.0	6.0	6.3	8.0	8.0	8.0	5.7	8.7	7.0	9.0	7.7	9.0	7.5
MERIDIAN (PST-5GRB)	7.3	94.0	84.7	96.0	8.7	7.0	6.3	6.0	8.0	8.0	8.0	6.0	8.0	7.7	9.0	7.3	9.0	7.5
PSG-TT4	7.7	93.7	91.3	96.0	9.0	7.0	6.0	6.0	7.7	8.0	8.0	7.0	8.0	8.0	9.0	7.0	8.7	7.5
PST-5BRK	7.7	94.0	74.0	96.0	8.0	7.0	6.3	6.3	8.0	8.0	8.0	5.7	8.0	8.0	9.0	7.0	9.0	7.5
PST-5DZP	8.0	94.3	85.3	94.3	8.3	7.0	6.3	6.3	8.0	8.0	7.7	6.7	7.7	7.0	9.0	7.0	9.0	7.5
REGENERATE	8.0	94.7	92.0	95.0	9.0	7.0	6.0	6.7	8.0	8.3	8.0	7.3	8.7	7.3	8.7	5.7	8.7	7.5
TECHNIQUE (RZ2)	8.0	94.3	85.7	93.7	8.3	7.0	6.0	7.0	8.3	8.0	8.0	6.7	8.0	7.0	8.7	6.3	9.0	7.5
TEMPTATION (OR-21)	8.3	94.3	79.7	95.3	8.0	6.7	6.3	7.0	8.0	8.0	7.3	6.3	8.3	7.7	8.7	7.0	9.0	7.5
TRAVERSE 2 SRP (W45)	8.0	95.7	81.7	95.3	8.3	7.0	6.3	6.7	8.0	8.3	8.0	6.0	9.0	7.3	8.7	6.0	9.0	7.5
ANNIHILATOR	7.7	94.3	73.0	95.0	7.0	7.0	6.0	5.7	8.0	8.0	7.3	6.0	7.7	7.3	9.0	7.7	9.0	7.4
AQUADUCT	7.7	94.7	73.7	95.7	7.7	6.7	6.0	6.3	7.7	8.0	8.0	5.7	8.0	7.7	9.0	7.0	9.0	7.4
ATF 1736	7.3	94.7	75.7	96.0	8.0	7.0	6.3	6.7	7.3	8.0	7.7	5.7	7.7	7.7	9.0	7.0	9.0	7.4
ATF 1754	7.3	94.0	59.3	94.0	7.0	7.0	6.7	7.0	7.3	8.0	8.0	5.3	8.0	6.7	8.7	6.7	9.0	7.4
B23	8.3	94.7	84.7	95.3	8.3	7.0	6.0	6.3	8.0	8.0	7.7	6.3	8.0	7.3	9.0	6.7	9.0	7.4
BAR FA 121091	8.0	94.3	89.7	95.7	8.7	6.7	6.0	6.0	7.3	8.0	7.7	7.0	8.0	7.7	9.0	6.7	8.7	7.4

TABLE 19. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/  
2016 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER			BROWN PATCH COOL TEMP.	QUALITY RATING												MEAN
		SPRING	SUMMER	FALL		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CAESAR (TY 10)	8.0	93.7	87.7	95.0	8.7	7.0	6.0	6.3	8.0	8.0	6.7	6.7	8.3	7.3	9.0	7.0	9.0	7.4
CATALYST	8.0	94.0	73.0	95.7	7.7	7.0	6.0	6.7	8.3	8.0	7.7	5.3	8.0	7.7	9.0	6.3	8.7	7.4
COMP. RES. SST	8.0	94.0	55.7	96.3	5.7	7.0	6.7	6.0	8.3	8.0	7.3	4.7	7.3	7.7	9.0	7.3	9.0	7.4
FALCON IV	7.7	93.0	91.7	95.0	8.7	7.0	6.0	6.0	7.7	7.7	7.7	7.3	8.0	7.3	9.0	6.7	9.0	7.4
FRONTLINE (EXP TF-09)	7.7	93.3	80.3	95.7	7.7	7.0	6.0	6.0	7.7	8.0	8.0	6.0	8.3	7.3	8.7	6.7	9.0	7.4
HEMI	7.7	94.7	65.0	94.7	6.7	7.0	6.7	6.3	8.0	8.0	8.0	5.3	7.0	7.0	9.0	7.0	9.0	7.4
HOVER (BURL TF-69)	8.0	94.3	90.3	93.0	8.7	7.0	6.0	6.3	7.3	8.0	7.7	7.0	8.3	6.7	8.3	6.7	9.0	7.4
KINGDOM (DB1)	8.3	95.3	84.0	93.3	8.7	7.0	6.0	6.0	8.0	8.0	8.3	6.3	8.0	7.0	8.3	7.0	9.0	7.4
OLYMPUS (RAD-TF-88)	8.0	94.0	85.3	94.3	8.7	6.7	6.0	6.0	8.3	8.0	8.0	6.0	8.0	7.0	9.0	7.0	8.7	7.4
PPG-TF-169	7.7	93.3	71.7	94.7	7.7	7.0	6.3	7.0	7.7	8.0	8.0	6.0	7.3	7.0	9.0	6.3	9.0	7.4
PSG-P01	8.3	94.0	67.7	94.3	7.3	7.0	6.3	6.3	8.3	8.0	8.0	5.3	7.3	7.0	9.0	6.7	9.0	7.4
RAD-TF-89	8.0	94.3	92.3	91.7	9.0	7.0	6.0	6.3	8.0	8.0	8.0	7.3	8.0	6.3	8.3	6.3	9.0	7.4
RAD-TF-92	7.7	95.3	87.3	95.3	9.0	7.0	6.0	6.0	8.0	8.0	7.7	6.7	8.3	7.3	9.0	6.3	9.0	7.4
UNITUS (IS-TF 289)	7.7	94.3	77.0	94.7	8.0	7.0	6.3	6.7	8.0	8.0	8.0	5.7	7.7	7.3	9.0	7.0	8.7	7.4
VALKYRIE LS (PPG-TF-172)	8.0	94.7	63.3	95.7	6.7	7.0	6.7	6.3	8.0	8.0	8.0	5.3	7.7	7.7	9.0	6.7	9.0	7.4
WARHAWK	8.0	94.3	62.0	95.0	5.7	7.0	6.3	6.0	8.3	8.0	8.0	5.0	7.7	7.3	9.0	7.3	9.0	7.4
JS 819	7.3	95.0	71.7	95.7	7.0	6.7	5.7	6.0	8.0	8.0	7.7	6.0	7.7	7.7	9.0	6.3	8.3	7.3
JS 825	8.0	93.0	84.0	95.7	8.3	6.7	6.0	6.0	7.3	8.0	7.7	6.3	8.0	7.7	9.0	6.7	8.7	7.3
K12-13	7.3	93.0	80.7	94.7	8.0	7.0	6.0	6.0	8.0	7.3	7.7	6.0	8.0	7.0	9.0	7.0	9.0	7.3
PSG-8BP2	8.0	93.3	57.7	95.7	5.3	6.7	6.0	7.0	8.0	8.0	7.7	5.3	7.3	7.7	9.0	6.0	8.7	7.3
PST-5BP0	8.0	94.7	80.3	95.0	8.7	7.0	6.0	6.0	8.0	8.0	8.0	5.7	8.0	7.0	9.0	6.7	8.7	7.3
RAD-TF-83	8.3	94.7	80.0	95.3	8.7	7.0	6.0	6.3	8.0	8.0	8.3	5.7	7.7	7.7	9.0	6.0	8.3	7.3
RAIN DANCE (PST-5SDT)	7.7	93.0	81.7	94.7	8.3	6.7	6.0	6.3	8.0	8.0	8.0	6.0	7.7	7.0	8.7	6.0	8.7	7.3
BAR FA 120878	6.7	90.7	90.0	95.0	8.3	7.0	6.3	6.0	7.0	7.0	6.7	6.7	8.0	7.3	9.0	6.3	9.0	7.2
JS 809	7.7	94.7	74.0	94.7	7.7	6.0	6.0	5.7	8.0	8.0	7.7	5.7	8.0	7.3	9.0	6.7	8.0	7.2
KY-31	4.3	86.7	86.3	91.3	8.3	6.0	5.0	5.0	5.7	6.0	5.3	6.0	6.7	6.3	8.0	4.7	7.3	6.0
LSD VALUE	0.8	1.1	38.6	3.8	2.8	0.3	0.8	0.7	0.7	0.2	1.2	4.5	1.3	1.5	1.1	1.0	0.4	0.3
C.V. (%)	5.7	0.8	15.8	1.5	13.3	2.4	6.6	6.5	4.9	1.9	6.6	17.0	7.0	7.3	3.5	7.7	2.5	2.2

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 20.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT KNOXVILLE (TRAFFIC STUDY), TN 1/  
2016 DATA

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

NAME	GENETIC COLOR	PERCENT LIVING GROUND COVER RATINGS							POA ANNUA	RATINGS												MEAN
		MAY	JULY	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JAN		FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
ATF 1736	7.3	96.0	93.0	96.3	96.0	87.0	81.3	8.7	5.0	5.0	7.3	9.0	8.7	7.7	8.0	7.7	9.0	6.3	6.7	6.7	7.3	
ARES (PPG-TF-142)	7.3	96.0	94.0	96.3	88.3	83.7	80.7	8.7	5.3	5.0	7.0	8.3	8.3	7.3	8.0	7.3	9.0	6.7	7.3	6.7	7.2	
DIABLO (IS-TF 330)	7.7	96.3	94.7	96.0	87.7	80.7	78.7	9.0	5.0	5.0	6.7	8.3	9.0	8.0	8.0	7.7	8.7	7.0	7.0	6.3	7.2	
FIRECRACKER SLS (PPG-TF-105)	7.3	95.7	90.0	95.3	92.3	87.7	85.3	8.7	5.3	5.3	6.7	9.0	8.3	8.0	7.3	7.0	8.7	6.7	7.3	7.0	7.2	
PST-5DZP	7.7	96.0	94.3	96.0	97.3	83.3	79.0	9.0	5.0	5.0	7.0	8.3	8.0	8.0	8.0	7.7	9.0	6.7	7.3	6.7	7.2	
UNITUS (IS-TF 289)	8.0	95.7	94.7	95.3	92.0	71.7	68.7	9.0	5.3	5.0	6.7	8.3	8.3	8.0	8.0	7.3	9.0	6.7	7.3	6.0	7.2	
ATF 1704	7.0	96.0	94.0	96.0	85.3	80.3	75.7	8.7	5.0	5.3	7.0	8.3	8.3	7.7	8.0	7.7	8.7	6.0	7.0	6.3	7.1	
CROSSFIRE 4 (IS-TF 310 SEL)	7.7	96.0	92.7	95.7	85.3	80.0	79.3	8.7	5.0	5.0	6.7	8.7	8.7	7.3	7.7	7.7	8.7	6.3	6.3	6.7	7.1	
FALCON IV	7.0	96.0	91.0	95.3	96.3	86.3	83.3	8.7	5.3	5.0	7.0	9.0	9.0	7.7	7.0	7.0	8.0	6.3	7.3	6.7	7.1	
FAYETTE (IS-TF 291)	7.7	94.7	94.0	95.7	86.0	76.7	74.7	9.0	5.3	5.0	7.0	8.3	8.0	8.0	8.0	7.3	9.0	6.0	6.7	6.7	7.1	
FIREWALL (PSG-WE1)	7.0	95.7	92.0	96.0	83.7	80.3	72.7	9.0	5.0	5.0	6.7	8.3	8.7	8.0	7.3	8.0	8.7	6.0	6.7	6.3	7.1	
GRANDE 3	7.3	95.7	94.7	94.7	91.7	84.3	80.3	9.0	5.0	5.0	6.7	8.7	8.0	8.0	8.0	7.7	8.7	6.3	6.3	6.3	7.1	
GTO (BURL TF-2)	7.7	96.0	94.3	95.0	88.7	82.0	76.0	8.7	5.0	5.3	6.7	8.7	8.7	7.3	8.0	8.0	9.0	6.0	6.7	6.0	7.1	
HEMI	7.3	96.0	93.7	95.3	85.0	85.7	81.3	8.7	5.0	5.0	7.3	8.7	8.7	7.7	7.7	7.7	8.7	5.7	6.3	7.0	7.1	
IS-TF 272	8.3	95.7	93.3	96.0	90.7	83.7	78.7	8.7	5.0	5.0	6.7	8.3	8.3	7.7	7.7	7.3	8.7	6.3	7.0	6.7	7.1	
IS-TF-287	7.3	96.0	94.3	95.3	89.3	77.3	73.7	9.0	5.0	5.0	7.0	8.3	8.3	8.0	8.0	7.3	8.7	6.3	6.7	6.0	7.1	
MERIDIAN (PST-5GRB)	6.7	95.7	93.0	96.3	97.3	83.0	75.0	8.7	5.3	5.0	6.3	8.7	8.7	8.0	7.7	7.3	9.0	6.7	7.0	6.0	7.1	
ROWDY (SRX-TPC)	7.3	95.3	94.0	95.7	91.7	81.0	76.3	9.0	5.3	5.3	7.0	8.7	8.3	8.0	7.7	7.0	8.7	6.0	7.0	6.7	7.1	
TEMPTATION (OR-21)	7.7	95.3	93.3	95.7	86.3	75.3	75.7	8.7	5.3	5.3	7.3	8.3	8.3	7.7	7.7	7.3	9.0	6.0	6.3	6.3	7.1	
WARHAWK	7.3	94.7	93.3	95.7	89.3	84.0	80.7	9.0	5.3	5.0	7.0	8.0	8.7	8.0	7.7	7.0	8.7	6.3	7.0	6.7	7.1	
WICHITA (PPG-TF-151)	7.0	96.0	92.0	95.7	96.0	82.3	80.3	8.3	5.0	5.0	7.0	8.3	8.3	7.3	7.3	8.0	9.0	6.0	7.0	6.3	7.1	
ATF 1612	7.3	95.7	93.3	96.0	85.0	80.0	78.3	8.3	5.3	5.0	6.7	8.7	8.3	7.3	8.0	7.3	8.7	5.7	6.3	6.3	7.0	
B23	8.0	95.0	95.0	96.3	92.7	75.7	75.0	9.0	5.0	5.0	6.7	8.7	8.0	8.0	8.0	7.3	9.0	5.7	6.3	6.0	7.0	
FESNOVA	7.7	94.7	92.7	95.0	88.0	72.3	67.0	9.0	5.0	5.0	7.0	7.7	8.3	8.0	7.7	7.0	8.7	6.3	6.7	6.3	7.0	
FOXHOUND (IS-TF 284 M2)	7.7	95.0	92.7	95.7	81.7	79.3	73.3	8.3	5.0	5.0	6.7	8.7	8.3	7.0	7.3	8.0	9.0	6.0	6.7	6.3	7.0	
HOT ROD (BURL TF-136)	8.0	96.0	91.7	95.3	82.7	78.0	75.3	8.7	5.3	5.0	6.7	8.0	8.7	7.3	7.3	8.0	9.0	5.3	6.3	6.7	7.0	
INSPIRATION (PST-R5NW)	7.3	95.0	93.3	95.7	98.0	83.7	77.7	8.0	5.0	5.0	6.3	8.3	8.0	7.0	7.7	7.0	9.0	7.0	7.3	6.3	7.0	
IS-TF 276 M2	8.0	95.7	92.3	95.7	86.7	79.3	79.3	8.7	5.0	5.0	7.0	8.3	8.3	7.3	7.7	7.0	9.0	6.7	7.0	6.0	7.0	
IS-TF 308 SEL	7.3	95.0	93.7	96.0	94.7	77.7	73.7	8.7	5.0	5.0	6.7	8.3	8.0	7.7	7.7	8.0	9.0	6.3	6.7	5.7	7.0	
MAESTRO (T31)	7.3	95.0	90.7	96.0	94.3	81.3	79.0	8.3	5.0	5.0	7.3	8.3	8.0	7.0	7.0	7.7	9.0	6.0	6.7	6.7	7.0	
PPG-TF-115	7.7	95.7	93.0	96.0	92.7	81.7	78.0	8.7	5.0	5.0	7.0	8.3	8.3	7.7	7.7	7.0	8.7	6.3	6.7	6.3	7.0	
PPG-TF-169	7.0	95.7	92.3	95.3	87.3	81.3	76.7	8.7	5.0	5.0	7.3	8.7	8.7	7.3	7.7	7.0	9.0	5.7	6.7	6.3	7.0	
PST-5BPO	7.0	95.7	94.0	96.0	85.0	77.0	74.7	9.0	5.0	5.0	6.7	8.7	8.0	8.0	8.0	7.0	8.7	6.3	6.7	5.7	7.0	
REFLECTION (U45)	7.7	95.3	90.3	95.0	88.3	82.0	72.7	8.3	5.0	5.0	7.0	8.7	8.3	7.3	7.0	8.0	9.0	6.0	6.7	6.3	7.0	
RHIZING MOON (IS-TF 305 SEL)	7.7	95.7	91.0	96.0	85.3	83.7	79.3	8.3	5.0	5.0	7.0	8.3	8.0	7.0	7.3	8.0	9.0	6.3	6.7	6.7	7.0	
TITANIUM 2LS (PPG-TF-152)	7.0	95.7	91.0	95.3	83.7	80.0	76.0	8.3	5.3	5.0	7.3	8.3	8.0	7.3	7.0	8.0	9.0	6.0	6.7	6.3	7.0	
TURFWAY (IS-TF 282 M2)	7.7	95.0	92.3	96.0	72.3	75.0	77.3	8.7	5.3	5.0	7.7	8.7	8.0	7.3	7.7	8.0	8.7	5.3	5.7	6.3	7.0	
VALKYRIE LS (PPG-TF-172)	7.3	94.3	91.7	95.7	82.0	77.7	77.3	8.3	5.3	5.3	6.7	8.3	8.3	7.0	7.3	7.3	9.0	6.3	6.7	6.0	7.0	
AQUADUCT	7.3	95.0	92.3	95.3	87.7	80.0	75.7	8.7	5.0	5.0	6.3	8.0	8.3	7.7	7.7	6.7	8.3	6.3	7.0	6.0	6.9	
AVENGER II (PPG-TF-156)	7.3	95.3	94.3	95.7	95.0	79.3	77.0	8.3	5.0	4.7	6.7	8.7	8.0	7.3	8.0	7.7	8.7	6.0	6.3	6.3	6.9	
BAR FA 121089	7.0	94.3	90.7	95.7	97.0	79.7	78.3	8.7	5.3	5.0	6.7	8.0	8.0	7.3	7.0	7.3	8.0	6.7	6.0	6.3	6.9	
BIZEM	7.3	94.3	93.7	95.3	91.7	69.0	67.7	8.7	5.0	4.7	7.0	8.3	8.0	7.7	7.7	8.0	9.0	6.0	6.3	5.7	6.9	
F711	7.7	94.7	94.0	96.0	82.3	73.0	62.7	8.7	5.0	5.0	6.3	8.3	8.0	7.7	8.0	7.0	9.0	5.7	6.3	6.0	6.9	
HOUNDOG8 (IS-TF 307 SEL)	7.7	96.0	91.0	95.7	95.0	65.0	62.3	8.7	5.0	5.0	6.3	8.0	8.7	7.3	7.3	7.7	8.3	7.0	7.0	5.3	6.9	
IS-TF 311	8.0	95.0	93.7	95.3	93.3	76.7	71.7	9.0	5.0	5.0	6.0	8.0	8.0	8.0	8.0	7.3	8.7	6.3	6.7	5.7	6.9	





TABLE 20. (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/  
2016 DATA

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

NAME	GENETIC COLOR	MAY	PERCENT LIVING GROUND COVER RATINGS					POA ANNUA	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
			JULY	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER														
PPG-TF-135	7.7	93.7	94.7	95.7	73.0	58.3	61.3	8.7	4.7	4.3	6.3	7.7	8.3	8.0	8.0	7.3	9.0	4.7	5.3	5.3	6.6
PST-5BRK	7.3	94.3	93.0	96.0	83.3	65.0	64.0	8.7	5.0	5.0	6.3	7.7	8.0	7.3	8.0	7.3	8.3	5.7	5.7	5.3	6.6
TEMPLE (DZ1)	7.3	94.7	94.7	96.0	61.7	66.7	67.7	9.0	5.0	5.0	6.3	8.0	7.7	8.0	8.0	7.3	9.0	4.0	5.0	6.0	6.6
TERRANO	7.7	94.0	91.0	95.0	70.0	61.7	59.7	8.7	5.0	5.0	6.7	7.7	7.7	7.3	7.3	6.7	8.3	5.3	6.0	5.7	6.6
AMITY (CCR2)	7.3	94.3	89.0	96.0	83.0	65.3	68.0	8.0	5.0	4.7	6.0	7.7	8.0	6.7	6.7	7.3	9.0	5.3	6.0	5.7	6.5
BAR FA 121095	7.0	92.7	91.7	95.0	90.7	73.0	75.3	8.3	5.0	4.7	5.7	7.3	7.3	7.0	7.3	6.7	8.0	6.7	7.0	5.7	6.5
FIREBIRD 2	7.3	94.3	92.7	95.0	77.0	62.7	63.7	8.7	4.7	4.7	6.3	8.0	7.7	7.3	7.3	7.3	8.0	5.3	5.7	5.7	6.5
JS 819	7.3	92.0	92.3	95.3	75.7	63.3	64.7	8.7	4.7	4.7	6.3	7.3	7.3	7.7	7.3	7.3	8.7	5.3	6.0	5.7	6.5
JS 825	7.0	92.3	93.7	95.7	84.7	65.3	65.0	9.0	5.0	4.3	5.7	7.3	7.3	8.0	7.7	7.0	8.7	5.7	6.3	5.3	6.5
KINGDOM (DB1)	7.0	93.3	91.3	96.0	89.0	68.7	68.0	8.0	5.0	5.0	6.0	7.7	7.7	6.7	7.0	7.3	8.7	5.3	6.3	5.3	6.5
MARAUDER	7.0	93.3	92.0	95.7	83.0	64.0	67.3	9.0	5.0	4.7	5.7	7.7	8.0	8.0	7.3	6.3	8.7	5.3	6.0	5.7	6.5
PPG-TF-138	7.3	92.7	93.3	96.3	77.0	61.3	63.7	8.7	5.0	4.7	6.0	7.0	7.7	7.3	7.7	7.3	9.0	5.0	5.3	5.7	6.5
RAD-TF-83	7.3	94.3	91.7	94.0	88.0	64.3	67.3	8.0	5.0	4.7	6.3	8.0	7.7	7.0	7.3	7.3	7.7	5.3	6.0	5.3	6.5
RAD-TF-92	7.7	94.0	91.0	94.0	74.3	70.7	78.0	8.7	5.0	4.7	6.0	7.7	7.7	7.3	7.0	7.3	8.0	5.3	6.0	5.3	6.4
204 RES. BLK4	7.0	93.7	91.7	96.3	70.3	66.7	61.3	8.3	5.0	4.7	5.7	7.3	7.7	7.0	7.3	7.0	8.7	4.7	5.3	5.3	6.3
ANNIHILATOR	7.0	93.3	89.7	94.3	73.3	71.3	69.7	8.3	5.0	4.7	6.0	7.3	8.0	7.3	7.0	6.0	7.3	5.3	6.0	5.7	6.3
BAR FA 120878	6.7	93.0	87.7	96.3	85.3	66.3	77.0	7.7	5.3	4.7	5.7	7.3	7.3	6.7	7.0	5.7	8.3	6.0	6.3	5.7	6.3
BLOODHOUND (MET 6 SEL)	7.0	93.3	92.7	95.7	83.7	52.3	57.3	8.3	5.0	4.3	5.7	7.3	7.7	7.0	7.7	7.0	8.3	5.0	5.3	4.7	6.3
CAESAR (TY 10)	7.0	93.3	92.7	95.3	72.3	53.7	58.0	8.3	4.7	4.0	5.7	7.3	7.7	7.3	7.7	7.3	8.7	4.7	5.0	5.3	6.3
COMP. RES. SST	6.7	94.0	90.0	95.7	77.0	74.0	72.7	8.3	4.7	4.3	6.0	7.3	8.0	7.0	6.7	7.0	8.7	4.7	5.7	6.0	6.3
JS 818	7.0	92.3	90.3	95.7	80.7	58.3	61.0	8.0	5.0	5.0	5.3	7.3	7.3	7.0	7.0	7.3	8.3	5.3	5.7	5.0	6.3
JS 916	7.3	92.0	92.0	96.0	63.3	54.0	55.7	8.7	4.7	4.3	6.0	7.0	7.7	7.3	7.3	7.3	9.0	4.7	5.7	4.7	6.3
MICHELANGELO (LTP-F5DPDR)	6.3	93.3	92.7	95.7	63.3	51.3	54.3	8.3	4.7	4.3	5.7	7.7	7.7	7.0	7.7	7.3	8.7	4.3	4.7	4.7	6.2
REGENERATE	7.3	90.0	92.3	96.0	70.3	40.3	44.0	8.7	4.7	4.3	6.3	6.3	7.0	7.7	7.7	7.7	9.0	4.3	5.0	4.7	6.2
PST-5EX2	6.7	94.3	93.0	96.0	56.3	46.7	52.3	8.7	5.0	4.3	5.3	7.3	8.0	7.7	7.7	7.0	8.0	3.7	4.0	4.7	6.1
KY-31	5.0	89.7	85.0	95.3	73.0	49.7	62.0	8.0	4.0	3.3	4.7	5.3	6.0	4.0	6.0	6.3	7.0	4.7	5.0	4.7	5.1
LSD VALUE	1.1	3.7	8.1	1.7	41.9	56.1	46.8	2.3	1.3	1.1	1.7	1.6	1.7	1.9	2.4	0.9	1.3	2.3	2.3	2.9	0.8
C.V. (%)	7.5	1.7	2.8	0.7	15.2	20.5	17.0	6.7	6.5	8.7	10.7	9.1	8.4	10.2	8.8	6.7	5.7	15.4	13.8	14.1	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 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT LOGAN (DROUGHT), UT 1/  
2016 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
MET 1	4.0	4.0	6.3	5.7	7.3	5.0	6.0	6.7	5.9
BULLSEYE	4.0	3.7	5.7	5.7	7.3	5.0	6.0	6.3	5.7
HOVER (BURL TF-69)	3.3	3.0	5.7	6.3	7.3	6.0	5.7	5.7	5.7
IS-TF 269 SEL	4.0	3.3	6.7	6.3	7.0	5.7	5.3	5.3	5.7
RAPTOR III (ZW 44)	3.7	3.3	6.3	6.0	7.3	5.3	5.7	6.0	5.7
4TH MILLENNIUM SRP (U43)	4.0	3.0	6.0	6.3	7.0	5.7	5.7	5.7	5.6
AMITY (CCR2)	4.0	3.0	6.3	5.7	7.0	5.0	6.0	6.0	5.6
FAITH	3.7	3.3	6.0	6.0	7.0	5.3	5.7	5.7	5.6
FAYETTE (IS-TF 291)	4.0	3.3	6.0	6.0	7.3	5.0	5.7	5.7	5.6
FIREWALL (PSG-WE1)	4.0	3.3	6.0	5.7	7.0	5.7	5.7	6.0	5.6
IS-TF 272	3.3	2.7	5.3	6.3	7.7	5.7	6.0	5.7	5.6
AVENGER II (PPG-TF-156)	4.0	3.3	6.0	5.0	7.0	5.7	6.0	5.7	5.5
B23	4.0	3.3	7.0	6.7	6.7	5.0	5.0	4.7	5.5
CATALYST	4.0	3.3	6.3	5.7	6.7	5.0	5.7	5.7	5.5
DIABLO (IS-TF 330)	4.0	3.0	6.7	5.7	7.3	5.3	5.3	5.0	5.5
F711	4.0	3.3	5.7	5.3	7.0	5.7	5.7	6.0	5.5
PSG-P01	3.0	3.0	6.0	5.7	7.0	5.7	6.0	5.3	5.5
REBOUNDER (PICK-W43)	3.3	3.3	6.0	5.7	7.0	5.7	5.7	5.3	5.5
TITANIUM 2LS (PPG-TF-152)	4.0	3.3	6.0	6.0	7.3	4.7	5.3	5.7	5.5
TRAVERSE 2 SRP (W45)	4.0	3.0	6.7	5.7	6.7	5.0	5.3	6.0	5.5
BIZEM	3.7	3.3	6.3	5.7	7.0	5.3	5.3	5.0	5.4
FOXHOUD (IS-TF 284 M2)	4.0	2.7	6.3	5.7	7.7	5.3	5.0	5.3	5.4
HEMI	4.0	3.7	6.0	6.0	7.0	4.3	5.3	5.3	5.4
HOT ROD (BURL TF-136)	3.7	3.0	5.7	5.3	7.3	5.3	6.0	5.3	5.4
IS-TF 311	4.0	3.0	5.7	6.0	7.7	4.3	5.7	5.7	5.4
IS-TF-287	4.0	3.3	6.7	5.7	6.7	6.0	4.7	5.0	5.4
REFLECTION (U45)	4.0	3.0	6.3	5.7	7.0	5.3	5.7	5.0	5.4
BLACK TAIL (PPG-TF-150)	4.0	3.0	6.3	5.7	7.0	4.7	5.0	5.3	5.3
CAESAR (TY 10)	3.7	3.3	6.0	5.7	7.3	5.3	4.7	5.0	5.3
CROSSFIRE 4 (IS-TF 310 SEL)	3.7	3.0	6.0	6.3	7.0	4.7	5.0	5.7	5.3
GRANDE 3	4.0	3.3	5.7	5.0	6.7	5.0	5.7	6.0	5.3
GTO (BURL TF-2)	4.3	3.0	5.3	5.3	7.0	5.3	6.0	5.3	5.3
IS-TF 308 SEL	4.0	3.3	6.3	6.0	7.0	4.3	5.3	5.0	5.3
PST-5DZP	3.7	2.7	5.7	5.7	7.0	5.7	5.3	5.0	5.3
REGENERATE	3.7	3.0	5.3	5.3	7.0	5.7	5.7	5.3	5.3
RHAMBLER 2 SRP (LSD)	4.0	3.7	6.3	6.3	7.0	4.0	5.0	5.0	5.3
ROWDY (SRX-TPC)	3.3	3.7	5.3	5.3	7.0	5.0	5.7	5.0	5.3
THUNDERSTRUCK (TD1)	3.3	2.7	5.3	5.3	7.3	5.3	5.7	5.3	5.3
TURFWAY (IS-TF 282 M2)	3.7	3.0	5.7	6.0	7.3	4.7	5.3	5.0	5.3
ARES (PPG-TF-142)	4.0	3.7	5.7	5.3	7.0	4.7	5.3	4.7	5.2
BLOODHOUND (MET 6 SEL)	3.7	3.0	5.7	5.0	7.0	5.7	6.0	5.0	5.2
DYNAMITE LS (PPG-TF-145)	3.7	3.0	6.0	5.7	6.7	4.7	5.3	5.0	5.2
FIRECRACKER SLS (PPG-TF-105)	3.7	3.0	5.7	5.7	7.0	5.0	5.7	5.0	5.2
HOUNDG8 (IS-TF 307 SEL)	4.0	3.0	6.3	6.3	7.3	3.7	4.7	5.0	5.2
MAESTRO (T31)	4.0	3.3	5.7	5.3	6.7	5.0	5.3	5.3	5.2

TABLE 21. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT LOGAN (DROUGHT), UT 1/  
 2016 DATA

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

NAME	QUALITY RATINGS								MEAN
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	
MEMPHIS (GO-DFR)	4.0	3.0	4.7	5.0	7.7	5.7	5.7	5.0	5.2
PARAMOUNT (PPG-TF-137)	3.7	2.7	5.3	5.7	7.0	4.7	5.3	5.7	5.2
ROCKWELL (LTP-TWUU)	4.0	3.7	5.7	5.0	6.7	4.7	5.7	5.3	5.2
TEMPTATION (OR-21)	4.0	3.3	6.3	5.3	7.0	5.0	4.3	5.0	5.2
THOR (PPG-TF-157)	4.0	3.3	6.0	5.7	7.0	4.7	4.7	5.0	5.2
UNITUS (IS-TF 289)	4.0	3.0	5.7	5.7	7.0	5.3	5.0	5.0	5.2
ATF 1612	4.0	4.0	5.3	5.0	7.0	4.7	5.0	4.7	5.1
ATF 1754	3.7	3.0	6.0	5.0	6.7	4.7	5.7	5.0	5.1
FESNOVA	3.7	3.3	5.7	5.7	7.0	5.3	4.3	5.3	5.1
FIREBIRD 2	3.3	2.3	5.3	5.7	7.0	5.0	5.7	5.0	5.1
IS-TF 276 M2	3.7	3.0	5.7	5.7	6.7	4.7	5.0	5.3	5.1
K12-13	3.0	2.3	5.3	5.3	7.0	5.7	5.3	5.0	5.1
MET-3	3.7	2.7	5.0	6.0	7.0	4.7	5.0	5.7	5.1
MICHELANGELO (LTP-F5DPDR)	3.3	3.0	5.7	5.0	6.7	5.0	5.3	5.0	5.1
PPG-TF-135	4.0	3.0	6.0	5.0	7.3	4.0	5.0	5.7	5.1
PPG-TF-138	4.0	3.0	6.0	6.0	7.0	4.3	4.7	5.0	5.1
RAD-TF-89	3.0	2.7	5.0	5.0	7.3	5.0	5.7	5.3	5.1
SUPERSONIC (PPG-TF-170)	4.0	3.3	5.7	5.3	7.3	4.3	4.7	5.3	5.1
SWAGGER (PST-5R05)	3.7	3.3	5.0	5.3	6.7	5.0	5.3	5.0	5.1
W41	4.0	3.0	4.7	5.7	7.0	5.0	5.3	5.0	5.1
BAR FA 121095	3.7	3.0	5.7	5.7	7.0	5.0	4.3	4.7	5.0
COMP. RES. SST	3.3	2.3	5.0	6.0	7.0	4.7	4.7	5.0	5.0
JS 916	3.7	3.0	6.3	5.7	7.0	4.0	4.3	5.0	5.0
K12-05	3.3	3.0	4.3	5.7	7.3	5.0	5.0	5.0	5.0
K12-MCD	4.0	3.0	5.3	5.3	7.3	4.7	4.7	5.0	5.0
LEONARDO (LTP-FSD)	3.7	3.0	5.3	5.0	7.0	5.0	4.7	5.0	5.0
NIGHTCRAWLER (IS-TF 285)	4.0	2.7	6.3	5.7	7.0	4.7	4.3	4.3	5.0
OLYMPUS (RAD-TF-88)	3.0	2.7	5.3	6.0	7.0	4.7	4.7	4.7	5.0
PPG-TF-169	4.0	3.3	4.7	5.0	7.0	4.3	5.0	5.7	5.0
PSG-8BP2	3.7	3.0	5.0	5.0	7.0	5.0	5.0	5.0	5.0
RAD-TF-83	3.3	2.7	6.0	6.0	7.0	4.0	4.3	4.7	5.0
RAD-TF-92	2.7	2.7	5.0	5.7	7.0	4.3	4.7	5.3	5.0
VALKYRIE LS (PPG-TF-172)	3.0	3.0	5.3	5.0	6.3	4.7	5.7	5.0	5.0
XTENDER (PPG-TF-139)	3.3	2.7	5.7	5.3	7.0	4.7	5.0	5.0	5.0
204 RES. BLK4	3.7	3.0	5.3	5.0	6.0	4.3	5.0	5.3	4.9
ATF 1736	3.3	2.7	4.7	5.0	7.0	4.7	5.0	5.0	4.9
BAR FA 121091	3.7	3.0	5.7	4.7	6.7	4.7	4.7	5.0	4.9
KINGDOM (DB1)	3.0	2.0	5.0	5.7	7.5	4.7	5.3	5.0	4.9
PPG-TF-115	3.7	2.7	5.3	5.0	6.7	4.7	4.7	5.0	4.9
PSG-GSD	3.7	3.0	4.7	5.7	7.0	4.7	4.3	5.0	4.9
PST-5BP0	4.0	2.7	4.7	4.3	6.7	5.0	5.3	5.3	4.9
SCREAMER LS (PPG-TF-148)	4.0	3.0	5.0	4.3	7.5	5.0	5.3	5.3	4.9
TEMPLE (DZ1)	3.7	2.7	5.3	5.3	7.0	4.3	4.3	5.0	4.9
TERRANO	3.3	3.0	5.7	4.7	7.0	4.7	4.3	4.7	4.9
BAR FA 121089	3.7	3.0	4.7	5.3	6.7	4.3	4.3	5.0	4.8

TABLE 21.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT LOGAN (DROUGHT), UT 1/  
2016 DATA

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

NAME	QUALITY RATINGS								
	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
EMBRACE (PST-5EV2)	4.0	3.0	5.7	4.7	7.0	4.0	4.3	4.7	4.8
FALCON IV	4.0	3.3	4.7	4.3	6.7	4.7	5.0	5.0	4.8
FALCON V	4.0	3.3	4.0	5.0	6.3	4.3	5.0	5.3	4.8
PST-5MVD	3.7	2.3	5.0	5.0	6.7	5.0	4.7	4.7	4.8
TECHNIQUE (RZ2)	4.0	3.3	5.7	4.7	7.0	4.3	4.7	5.0	4.8
WICHITA (PPG-TF-151)	3.7	3.0	5.3	4.7	6.7	4.7	4.7	4.7	4.8
ATF 1704	4.0	2.7	4.3	5.0	6.3	4.7	4.7	5.3	4.7
JS 809	3.3	2.7	5.7	5.0	7.0	4.3	4.0	4.3	4.7
JS 819	3.0	3.0	6.0	4.7	7.0	4.0	3.7	4.3	4.7
PSG-TT4	4.0	3.0	5.3	4.3	6.7	4.3	4.7	4.7	4.7
PST-5BRK	4.0	3.3	5.0	4.3	7.0	4.3	5.0	4.7	4.7
PST-5EX2	4.0	3.7	3.7	4.3	6.0	4.3	5.3	5.3	4.7
RAIN DANCE (PST-5SDT)	4.0	3.3	4.3	4.0	7.0	5.0	5.0	5.0	4.7
RHIZING MOON (IS-TF 305 SEL)	3.3	3.0	5.7	5.7	7.3	3.3	4.0	4.0	4.7
SALTILLO (PST-5SALT)	3.7	3.0	4.7	4.3	6.3	4.7	4.7	5.0	4.7
FRONTLINE (EXP TF-09)	3.7	3.0	5.3	4.7	6.7	4.0	4.3	4.3	4.6
INSPIRATION (PST-R5NW)	3.3	2.7	5.0	4.0	6.7	5.0	4.3	4.7	4.6
MARAUDER	3.3	3.0	4.7	4.7	6.7	4.7	4.0	4.3	4.6
JS 818	3.0	2.3	5.3	5.0	6.3	3.7	4.0	4.7	4.5
MERIDIAN (PST-5GRB)	4.0	3.7	4.7	5.0	6.0	4.3	3.7	4.7	4.5
ANNIHILATOR	3.0	2.3	5.0	4.7	5.7	4.3	4.0	4.7	4.4
WARHAWK	3.3	3.3	4.3	4.7	6.0	3.7	4.0	4.3	4.3
JS 825	3.3	2.3	4.7	4.7	6.5	4.0	4.0	4.3	4.2
AQUADUCT	4.0	3.0	4.0	3.3	6.0	3.3	4.0	4.3	3.9
BAR FA 120878	4.0	3.7	3.3	3.0	5.7	3.0	3.7	3.3	3.7
KY-31	4.0	3.0	2.0	1.7	2.3	2.0	1.7	1.3	2.0
LSD VALUE	0.9	1.2	1.1	1.0	0.7	2.1	1.4	0.9	0.5
C.V. (%)	11.3	16.2	12.5	11.6	6.2	18.2	15.2	10.8	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 22. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT LOGAN (SPREAD STUDY), UT 1/  
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/  
HOLE DIAMETER MEASURED IN SQ. CM 2/

NAME	RHIZOME COUNTS	SPRING HOLE DIAMETER 1	SPRING HOLE DIAMETER 2	FALL HOLE DIAMETER 1	FALL HOLE DIAMETER 2
FAYETTE (IS-TF 291)	0.7	12.7	13.3	10.0	12.7
JS 818	10.0	12.0	14.0	10.7	12.7
TEMPLE (DZ1)	0.3	11.0	12.7	10.0	12.7
4TH MILLENNIUM SRP (U43)	1.3	11.3	13.3	10.7	12.0
AQUADUCT	2.3	11.3	13.3	9.0	12.0
GRANDE 3	0.7	12.7	11.3	10.3	12.0
GTO (BURL TF-2)	1.3	11.7	12.7	10.7	12.0
HEMI	0.7	10.7	13.0	9.7	12.0
CAESAR (TY 10)	3.0	10.7	12.3	11.0	11.7
FOXHOUND (IS-TF 284 M2)	4.0	11.5	12.0	8.7	11.7
JS 825	2.7	11.0	11.7	10.0	11.7
PSG-GSD	3.0	11.7	11.3	11.0	11.7
W41	2.0	10.3	12.3	11.7	11.7
BAR FA 121091	1.7	12.0	12.0	11.0	11.5
ATF 1704	1.7	9.7	11.0	11.3	11.3
BLACK TAIL (PPG-TF-150)	0.7	11.7	12.0	10.0	11.3
COMP. RES. SST	2.0	13.3	12.3	11.7	11.3
CROSSFIRE 4 (IS-TF 310 SEL)	1.7	10.3	12.7	10.0	11.3
FALCON IV	1.7	12.0	11.3	11.0	11.3
FALCON V	1.3	12.0	12.3	10.7	11.3
FESNOVA	3.3	12.0	11.0	11.0	11.3
FIREBIRD 2	0.7	11.3	12.7	9.0	11.3
FIREWALL (PSG-WE1)	2.0	12.3	12.3	9.3	11.3
HOVER (BURL TF-69)	1.0	12.7	13.0	11.3	11.3
JS 916	1.7	12.0	12.0	11.3	11.3
K12-05	1.3	10.3	12.7	9.3	11.3
KINGDOM (DB1)	3.7	11.0	12.0	10.3	11.3
KY-31	4.0	12.3	11.3	12.7	11.3
REFLECTION (U45)	1.3	12.0	12.7	9.7	11.3
TRAVERSE 2 SRP (W45)	1.3	11.3	12.0	7.3	11.3
VALKYRIE LS (PPG-TF-172)	2.3	11.7	13.7	9.7	11.3
ATF 1736	1.7	12.0	12.3	10.7	11.0
ATF 1754	2.7	12.0	11.0	11.0	11.0
BAR FA 121095	1.0	12.0	13.0	10.3	11.0
IS-TF 269 SEL	1.0	13.0	12.3	9.0	11.0
IS-TF 272	0.7	11.7	12.0	10.0	11.0
IS-TF-287	0.3	12.3	11.5	10.3	11.0
K12-13	1.0	13.0	12.7	10.0	11.0
MERIDIAN (PST-5GRB)	1.7	11.3	13.7	9.7	11.0
MET-3	2.3	10.0	12.7	10.3	11.0
NIGHTCRAWLER (IS-TF 285)	1.0	12.3	11.7	9.7	11.0
PSG-8BP2	0.7	11.7	13.7	9.7	11.0
PSG-P01	0.7	12.7	13.3	10.0	11.0
PST-5DZP	0.3	11.3	9.5	9.0	11.0

TABLE 22. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT LOGAN (SPREAD STUDY), UT 1/  
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/  
HOLE DIAMETER MEASURED IN SQ. CM 2/

NAME	RHIZOME COUNTS	SPRING HOLE DIAMETER 1	SPRING HOLE DIAMETER 2	FALL HOLE DIAMETER 1	FALL HOLE DIAMETER 2
RAD-TF-92	0.3	12.7	10.5	11.0	11.0
RHIZING MOON (IS-TF 305 SEL)	1.0	13.5	13.0	11.7	11.0
TURFWAY (IS-TF 282 M2)	5.3	11.3	11.7	10.7	11.0
UNITUS (IS-TF 289)	1.0	13.0	12.3	10.0	11.0
WARHAWK	3.7	12.5	12.3	10.0	11.0
ANNIHILATOR	0.0	12.7	12.3	12.0	10.7
BAR FA 121089	1.3	11.3	12.0	10.3	10.7
BULLSEYE	2.3	12.3	12.3	9.0	10.7
IS-TF 311	0.7	12.0	11.0	9.7	10.7
K12-MCD	4.0	11.0	12.0	11.0	10.7
PPG-TF-115	6.0	11.3	13.0	9.7	10.7
PPG-TF-135	1.0	10.3	12.0	9.3	10.7
PST-5BP0	1.3	11.3	10.7	9.7	10.7
PST-5EX2	2.0	11.0	12.7	9.3	10.7
PST-5MVD	4.3	11.0	11.3	9.3	10.7
RAD-TF-83	3.7	12.0	10.3	10.3	10.7
RHAMBLER 2 SRP (LSD)	4.3	12.3	12.0	11.0	10.7
ROCKWELL (LTP-TWUU)	1.3	10.7	11.3	10.3	10.7
THUNDERSTRUCK (TD1)	2.0	11.0	11.3	8.7	10.7
ATF 1612	2.0	11.7	12.7	10.0	10.3
B23	1.0	11.0	10.3	10.0	10.3
BAR FA 120878	2.0	9.7	11.0	8.7	10.3
BIZEM	2.0	12.0	12.0	10.3	10.3
BLOODHOUND (MET 6 SEL)	0.0	13.0	12.0	11.3	10.3
CATALYST	0.7	13.0	12.3	11.3	10.3
EMBRACE (PST-5EV2)	1.7	12.7	11.3	10.7	10.3
FIRECRACKER SLS (PPG-TF-105)	1.3	12.0	13.0	9.7	10.3
HOT ROD (BURL TF-136)	1.0	11.7	12.3	10.0	10.3
HOUNDOG8 (IS-TF 307 SEL)	1.0	11.3	11.7	10.7	10.3
MAESTRO (T31)	2.7	11.7	9.3	10.3	10.3
MET 1	1.3	11.7	12.3	10.0	10.3
PPG-TF-169	2.0	9.3	11.7	8.7	10.3
PST-5BRK	1.0	12.0	11.7	11.0	10.3
RAIN DANCE (PST-5SDT)	4.7	10.0	11.7	10.3	10.3
REBOUNDER (PICK-W43)	1.0	11.7	12.3	10.0	10.3
SALTILLO (PST-5SALT)	2.3	10.7	12.0	9.0	10.3
SCREAMER LS (PPG-TF-148)	7.0	12.3	11.7	10.7	10.3
SUPERSONIC (PPG-TF-170)	1.7	11.3	12.0	9.7	10.3
SWAGGER (PST-5R05)	1.3	10.7	12.0	8.7	10.3
TEMPTATION (OR-21)	5.0	12.7	12.7	11.0	10.3
AVENGER II (PPG-TF-156)	0.3	11.5	11.5	9.5	10.0
IS-TF 276 M2	1.0	11.7	12.0	9.7	10.0
PARAMOUNT (PPG-TF-137)	1.7	11.3	11.0	9.7	10.0
PPG-TF-138	0.3	9.7	11.7	9.7	10.0

TABLE 22. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT LOGAN (SPREAD STUDY), UT 1/  
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/  
HOLE DIAMETER MEASURED IN SQ. CM 2/

NAME	RHIZOME COUNTS	SPRING HOLE DIAMETER 1	SPRING HOLE DIAMETER 2	FALL HOLE DIAMETER 1	FALL HOLE DIAMETER 2
PSG-TT4	2.0	10.7	11.3	9.3	10.0
RAD-TF-89	1.7	13.0	11.7	11.3	10.0
TERRANO	2.0	10.7	10.3	10.7	10.0
XTENDER (PPG-TF-139)	0.7	11.7	10.3	9.3	10.0
DIABLO (IS-TF 330)	3.3	11.0	11.3	10.7	9.7
FRONTLINE (EXP TF-09)	1.7	12.0	11.7	10.0	9.7
OLYMPUS (RAD-TF-88)	0.0	12.7	10.7	12.3	9.7
ROWDY (SRX-TPC)	2.3	10.7	10.0	10.0	9.7
AMITY (CCR2)	0.3	11.0	10.3	10.7	9.3
DYNAMITE LS (PPG-TF-145)	0.7	11.7	12.3	10.3	9.3
IS-TF 308 SEL	1.7	11.7	12.0	9.0	9.3
JS 809	3.7	10.3	10.7	11.0	9.3
JS 819	2.0	10.3	10.3	11.0	9.3
MARAUDER	2.0	13.3	11.7	10.3	9.3
RAPTOR III (ZW 44)	2.0	10.7	12.0	9.3	9.3
TECHNIQUE (RZ2)	0.7	12.3	11.3	11.7	9.3
WICHITA (PPG-TF-151)	8.3	10.0	11.7	9.0	9.3
FAITH	1.7	11.0	10.7	10.7	9.0
MEMPHIS (GO-DFR)	1.3	12.0	10.7	10.7	9.0
REGENERATE	2.3	12.0	11.7	9.3	9.0
TITANIUM 2LS (PPG-TF-152)	6.0	10.7	12.3	9.3	9.0
204 RES. BLK4	2.3	13.0	11.0	9.3	8.7
ARES (PPG-TF-142)	5.3	12.7	11.3	11.3	8.7
F711	0.0	11.7	11.3	11.3	8.7
INSPIRATION (PST-R5NW)	4.0	12.3	11.0	10.0	8.7
THOR (PPG-TF-157)	1.0	11.3	11.0	11.0	8.7
LEONARDO (LTP-FSD)	1.0	12.0	11.3	9.3	8.3
MICHELANGELO (LTP-F5DPDR)	3.0	10.7	10.7	9.0	8.3
LSD VALUE	4.6	9.8	10.5	6.0	6.6
C.V. (%)	106.4	14.7	14.7	14.6	15.0

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 23. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2012 NATIONAL TALL FESCUE TEST AT BLACKSBURG, VA 1/  
2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/						MEAN
	MAY	JUN	JUL	AUG	SEP	OCT	
F711	7.7	8.3	7.3	6.7	7.3	8.7	7.7
ROCKWELL (LTP-TWUU)	6.7	7.0	7.3	7.0	8.0	9.0	7.5
4TH MILLENNIUM SRP (U43)	7.3	8.0	7.0	6.0	7.7	8.7	7.4
PST-5BRK	7.3	8.0	7.3	6.7	7.7	7.7	7.4
SUPERSONIC (PPG-TF-170)	7.3	7.3	7.0	6.3	7.7	8.7	7.4
AMITY (CCR2)	7.0	7.7	7.0	6.0	7.3	8.7	7.3
MET 1	7.3	8.3	6.7	5.7	7.3	8.3	7.3
RAPTOR III (ZW 44)	7.0	7.7	7.0	6.0	7.7	8.3	7.3
TECHNIQUE (RZ2)	7.7	8.7	7.0	5.7	7.0	7.7	7.3
VALKYRIE LS (PPG-TF-172)	7.3	8.3	7.0	6.0	7.3	8.0	7.3
ATF 1754	7.0	7.0	7.0	6.0	7.3	8.7	7.2
SALTILLO (PST-5SALT)	7.3	8.3	7.0	6.0	7.0	7.7	7.2
THOR (PPG-TF-157)	7.3	8.0	7.0	6.0	7.0	7.7	7.2
TITANIUM 2LS (PPG-TF-152)	6.7	7.0	7.3	6.7	7.7	7.7	7.2
HOT ROD (BURL TF-136)	7.3	8.0	6.7	5.7	6.7	8.0	7.1
JS 916	6.7	7.7	6.7	5.7	7.0	8.7	7.1
PPG-TF-169	7.3	8.0	7.0	5.7	6.7	7.7	7.1
TRAVERSE 2 SRP (W45)	7.0	7.3	7.0	6.0	7.3	8.0	7.1
AVENGER II (PPG-TF-156)	7.3	7.3	6.7	5.7	7.0	8.0	7.0
HOUNDOG8 (IS-TF 307 SEL)	7.3	8.0	6.7	5.7	6.7	7.7	7.0
TEMPLE (DZ1)	6.7	7.7	6.3	6.0	7.0	8.3	7.0
CROSSFIRE 4 (IS-TF 310 SEL)	7.0	7.3	6.7	5.3	7.0	8.3	6.9
EMBRACE (PST-5EV2)	7.3	8.3	6.7	5.0	6.7	7.7	6.9
GTO (BURL TF-2)	7.0	7.7	6.3	5.0	7.0	8.3	6.9
MET-3	7.0	7.3	7.0	5.7	7.0	7.7	6.9
PPG-TF-135	7.0	7.3	6.7	6.0	7.0	7.7	6.9
REFLECTION (U45)	6.7	7.7	7.0	5.7	7.0	7.3	6.9
W41	7.3	7.7	7.0	5.3	6.7	7.7	6.9
XTENDER (PPG-TF-139)	7.0	7.3	6.7	5.3	7.0	8.0	6.9
ATF 1704	6.7	7.3	6.7	5.0	7.0	8.3	6.8
BIZEM	7.3	7.3	6.7	4.3	6.7	8.3	6.8
FIREBIRD 2	7.0	7.7	6.3	5.0	6.7	8.0	6.8
PARAMOUNT (PPG-TF-137)	7.0	7.7	6.7	5.7	6.7	7.3	6.8
PPG-TF-138	6.7	7.3	6.7	5.7	6.7	8.0	6.8
RHAMBLER 2 SRP (LSD)	6.7	8.0	6.3	5.3	6.7	7.7	6.8
SCREAMER LS (PPG-TF-148)	7.0	7.7	6.3	5.3	6.7	7.7	6.8
ATF 1736	7.3	7.3	6.3	5.0	6.7	7.7	6.7
BLOODHOUND (MET 6 SEL)	7.0	7.0	6.3	5.7	7.0	7.3	6.7
CATALYST	6.3	6.3	6.0	5.3	7.3	8.7	6.7
IS-TF 276 M2	7.0	8.0	6.0	4.7	6.7	8.0	6.7
IS-TF 311	6.7	7.0	6.7	5.3	6.7	7.7	6.7
LEONARDO (LTP-FSD)	6.7	7.0	6.3	4.7	7.0	8.3	6.7
NIGHTCRAWLER (IS-TF 285)	6.7	7.7	6.3	4.7	6.7	8.3	6.7
PPG-TF-115	7.0	7.7	6.3	5.0	6.7	7.7	6.7
PST-5BPO	7.0	7.0	6.3	5.3	6.7	7.7	6.7

TABLE 23. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT BLACKSBURG, VA 1/  
2016 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/						MEAN
	MAY	JUN	JUL	AUG	SEP	OCT	
REBOUNDER (PICK-W43)	7.3	7.7	6.3	5.0	6.3	7.3	6.7
REGENERATE	7.0	7.7	6.3	5.0	6.7	7.7	6.7
DYNAMITE LS (PPG-TF-145)	6.3	7.0	6.7	5.7	6.7	7.3	6.6
FAYETTE (IS-TF 291)	7.3	8.3	6.7	5.0	6.0	6.3	6.6
FIREWALL (PSG-WE1)	6.3	6.7	6.3	5.3	7.0	7.7	6.6
FOXHOUD (IS-TF 284 M2)	6.7	7.0	6.3	5.3	6.7	7.3	6.6
GRANDE 3	6.3	7.3	6.3	5.0	6.7	8.0	6.6
HEMI	6.0	6.7	6.0	5.3	7.0	8.7	6.6
HOVER (BURL TF-69)	6.3	7.0	6.3	5.0	6.7	8.3	6.6
IS-TF 308 SEL	7.3	7.7	6.7	4.7	6.3	6.7	6.6
MAESTRO (T31)	6.7	7.3	6.0	5.3	6.3	8.0	6.6
ROWDY (SRX-TPC)	7.0	7.3	6.3	5.3	6.3	7.3	6.6
TURFWAY (IS-TF 282 M2)	6.7	7.3	6.3	5.0	6.7	7.7	6.6
FESNOVA	7.0	7.0	6.3	5.3	6.7	6.7	6.5
JS 809	6.7	7.3	6.0	5.3	6.3	7.3	6.5
PST-5EX2	6.7	7.0	6.0	5.0	6.3	8.0	6.5
RAD-TF-89	6.7	7.0	5.7	4.7	6.7	8.3	6.5
WICHITA (PPG-TF-151)	6.7	6.7	6.3	5.3	6.7	7.3	6.5
FAITH	6.0	6.0	6.0	5.3	7.0	8.0	6.4
FALCON V	6.7	7.3	6.0	4.7	6.3	7.3	6.4
FIRECRACKER SLS (PPG-TF-105)	6.7	7.0	6.0	5.0	6.3	7.3	6.4
IS-TF-287	6.3	6.7	6.0	5.3	6.7	7.3	6.4
MERIDIAN (PST-5GRB)	6.3	6.7	6.0	5.7	6.7	7.3	6.4
PSG-P01	6.3	7.0	6.3	5.3	6.7	6.7	6.4
SWAGGER (PST-5R05)	7.0	7.3	5.7	4.3	6.3	7.7	6.4
BLACK TAIL (PPG-TF-150)	6.3	6.3	6.0	4.7	6.7	8.0	6.3
INSPIRATION (PST-R5NW)	6.3	7.7	6.0	4.7	6.3	6.7	6.3
K12-05	6.3	7.7	6.0	4.0	6.0	8.0	6.3
OLYMPUS (RAD-TF-88)	6.7	7.7	6.0	4.3	6.0	7.3	6.3
PST-5DZP	6.0	7.0	5.7	5.3	6.7	7.3	6.3
THUNDERSTRUCK (TD1)	6.0	7.0	6.3	5.7	6.3	6.7	6.3
ARES (PPG-TF-142)	6.7	8.0	6.0	3.7	5.7	7.0	6.2
ATF 1612	6.3	7.0	6.0	4.7	6.0	7.0	6.2
CAESAR (TY 10)	6.3	6.3	6.0	5.0	6.3	7.3	6.2
KINGDOM (DB1)	6.3	7.3	6.3	4.7	6.0	6.7	6.2
MICHELANGELO (LTP-F5DPDR)	6.7	7.3	6.0	4.3	6.0	7.0	6.2
PSG-TT4	7.0	7.0	6.0	5.0	6.0	6.3	6.2
TERRANO	6.7	7.3	6.0	4.3	6.0	7.0	6.2
IS-TF 272	5.3	6.0	5.3	5.3	6.7	7.7	6.1
PST-5MVD	7.0	6.7	5.7	4.3	6.0	7.0	6.1
BAR FA 121089	6.3	7.0	6.0	4.7	5.7	6.3	6.0
FALCON IV	6.0	6.7	5.7	4.0	6.0	7.7	6.0
RAD-TF-92	5.3	6.0	5.7	4.7	6.7	7.7	6.0
RAIN DANCE (PST-5SDT)	6.3	7.0	5.7	4.0	6.0	7.0	6.0
RHIZING MOON (IS-TF 305 SEL)	6.3	6.7	6.0	4.7	6.0	6.3	6.0

TABLE 23. MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2012 NATIONAL TALL FESCUE TEST AT BLACKSBURG, VA 1/  
2016 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
AQUADUCT	6.3	6.3	5.7	4.0	6.3	7.0	5.9
DIABLO (IS-TF 330)	5.7	6.0	5.7	5.0	6.3	7.0	5.9
204 RES. BLK4	5.7	6.7	5.3	4.3	5.7	7.0	5.8
B23	6.0	6.0	6.0	5.0	6.0	5.7	5.8
BAR FA 121095	6.0	6.7	5.7	4.3	5.7	6.7	5.8
BULLSEYE	6.0	5.3	5.7	5.3	6.0	6.7	5.8
IS-TF 269 SEL	5.3	6.3	6.0	5.0	5.7	6.3	5.8
JS 819	6.3	6.7	5.3	3.7	5.7	7.0	5.8
K12-13	5.3	6.7	5.3	5.0	5.7	6.7	5.8
K12-MCD	6.3	6.3	5.7	4.0	6.0	6.7	5.8
MEMPHIS (GO-DFR)	5.7	6.7	5.3	4.3	5.7	7.3	5.8
PSG-GSD	6.3	7.0	5.7	4.0	5.3	6.3	5.8
RAD-TF-83	5.3	6.0	5.3	4.7	6.3	7.3	5.8
TEMPTATION (OR-21)	6.0	6.3	5.3	4.7	6.0	6.3	5.8
UNITUS (IS-TF 289)	5.7	6.0	5.7	4.3	6.0	7.3	5.8
BAR FA 120878	6.0	6.7	5.7	3.7	5.7	6.7	5.7
FRONTLINE (EXP TF-09)	6.0	7.0	5.7	4.3	5.3	6.0	5.7
JS 818	5.7	6.3	5.3	4.3	5.7	7.0	5.7
JS 825	5.7	6.0	5.0	4.3	6.0	7.3	5.7
COMP. RES. SST	5.3	6.3	5.0	4.3	5.7	7.0	5.6
MARAUDER	6.0	6.3	5.7	4.3	5.7	5.7	5.6
PSG-8BP2	5.7	6.7	5.7	3.7	5.7	6.0	5.6
BAR FA 121091	5.3	5.7	5.0	4.0	5.3	6.3	5.3
WARHAWK	5.0	5.3	5.0	3.7	5.7	6.3	5.2
ANNIHILATOR	5.3	6.3	5.0	3.3	5.0	5.3	5.1
KY-31	6.0	6.0	5.0	2.3	5.0	6.3	5.1
LSD VALUE	1.4	2.3	1.1	1.5	1.3	2.6	1.0
C.V. (%)	10.8	13.4	9.9	16.6	10.5	14.1	8.8

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

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