

TABLE 1.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT STORRS, CT 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY SUMMER	DENSITY FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
EXPANSE (PPG-TF 262)	6.7	7.0	6.7	6.7	7.7	7.0	7.3	7.0	7.0	7.3	8.0	7.0	7.3	7.3
PPG-TF 312	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.3	7.3	6.7	7.3	7.1
RAPTOR LS (PPG-TF 336)	6.7	6.3	6.3	6.3	7.3	6.7	7.0	7.0	7.0	7.0	7.7	7.0	7.7	7.1
TITANIUM G-LS (PPG-TF 255)	7.0	7.0	6.0	6.7	7.0	7.0	7.3	7.0	6.3	7.3	7.7	6.7	7.3	7.1
CLASH (AH1)	7.0	7.0	7.0	7.0	7.3	7.0	7.0	7.0	6.7	7.0	7.3	7.0	7.0	7.0
DAYBREAK (AH2)	7.0	7.3	6.7	7.0	7.0	7.3	7.0	7.0	6.3	7.7	7.0	6.7	7.0	7.0
DLFPS-321/3693	7.0	7.0	6.7	7.0	7.7	6.7	6.7	7.0	6.3	7.3	8.0	6.7	7.0	7.0
DLFPS-321/3707	6.7	7.0	6.7	6.7	7.7	7.0	7.0	7.0	7.0	7.0	7.7	6.3	7.0	7.0
DLFPS-321/3708	6.7	7.0	6.7	7.0	7.3	6.7	7.3	7.0	6.7	7.3	7.3	7.0	7.0	7.0
DLFPS-TF/3553	7.0	6.7	6.7	7.0	7.0	6.7	6.7	7.0	6.3	7.0	7.3	7.0	7.7	7.0
PPG-TF 231	7.0	7.0	6.7	6.7	7.0	7.0	7.0	7.0	6.7	7.0	7.3	6.7	7.0	7.0
RHL2	7.0	7.0	6.7	7.0	7.3	7.0	7.0	7.0	6.3	7.3	7.3	7.0	7.3	7.0
ROVER (PPG-TF 306)	7.0	6.7	7.0	7.0	7.0	6.3	7.0	7.0	6.7	7.3	7.0	7.0	7.3	7.0
RS1	7.0	7.3	6.0	7.0	7.0	7.3	6.7	7.3	6.0	7.0	7.7	7.0	7.0	7.0
STEALTH (PPG-TF 238)	6.7	6.7	6.7	6.3	7.3	7.0	6.7	7.0	6.7	7.0	7.3	7.0	7.0	7.0
TD2	7.0	7.0	6.7	7.0	7.3	7.0	7.0	7.0	6.3	7.0	7.7	6.7	7.3	7.0
TEACHER (PPG-TF 313)	6.7	6.7	6.7	7.0	7.7	6.3	7.0	7.0	6.3	7.0	7.7	7.0	7.7	7.0
5LSS	6.7	7.3	7.0	7.0	7.3	6.7	7.0	7.3	6.3	7.0	7.3	6.7	7.0	6.9
BATTLE HAWK (NAI-ROS4)	7.0	7.0	6.3	7.0	7.3	6.7	6.7	7.0	6.0	7.0	7.7	6.7	7.3	6.9
BLADERUNNER 3 (DLFPS-321/3701)	7.0	6.7	7.0	7.0	7.7	6.7	6.7	7.0	6.7	7.0	7.7	6.3	7.0	6.9
BONFIRE (JS DTT)	6.7	7.0	6.3	6.7	7.0	7.0	7.0	7.0	6.7	7.0	7.0	6.7	7.0	6.9
COL-TF-148	7.0	7.3	6.7	7.0	7.0	7.0	7.0	7.0	6.7	7.0	7.0	6.3	7.0	6.9
DEGAS (LTP-TF-111)	7.0	7.0	6.3	7.0	7.0	7.0	6.7	7.0	6.0	7.0	7.0	7.0	7.3	6.9
DLFPS-321/3703	6.7	7.0	6.3	6.3	7.0	6.7	6.7	7.0	6.7	7.0	7.0	7.0	7.3	6.9
DRAGSTER	6.7	7.3	6.7	6.7	7.0	7.0	6.7	7.0	6.0	7.0	7.3	7.0	7.0	6.9
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	7.0	6.7	7.0	7.0	6.7	7.0	7.3	6.0	7.0	7.3	6.3	7.3	6.9
HOUNDOG NINE (DLFPS-321/3702)	7.0	7.3	6.7	6.7	7.3	7.3	7.0	7.0	6.7	7.0	7.3	6.3	6.7	6.9
K18-RS6	6.7	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.7	7.0	6.9
NT-3	7.0	7.0	7.0	7.3	7.7	6.7	6.7	7.3	6.3	7.0	7.3	7.0	7.0	6.9
SPYDER 2LS (ZRC1)	7.0	7.0	6.3	7.0	7.3	6.7	7.0	7.0	6.3	7.0	7.3	7.0	7.0	6.9
ZION (BAR TF 134)	7.0	6.7	6.3	6.7	7.3	6.3	7.3	7.0	6.3	7.0	7.0	7.0	7.0	6.9
BULLSEYE LTZ	7.0	6.7	6.3	7.0	7.3	6.3	6.7	7.0	6.0	7.0	7.7	6.7	7.0	6.8
CAPITAN (DLFPS-321/3705)	7.0	7.0	6.3	7.0	6.7	6.3	6.7	7.0	6.3	7.3	7.0	6.7	7.3	6.8
DLFPS-321/3694	6.7	7.3	6.7	6.3	7.3	7.0	6.3	7.0	6.0	6.3	7.7	6.7	7.3	6.8
DLFPS-321/3695	7.0	7.0	6.3	7.0	7.3	7.0	6.7	7.3	6.0	7.0	7.7	6.3	6.7	6.8
ENDGAME (3N1)	7.0	7.0	6.7	6.3	7.0	6.3	7.0	7.0	6.7	6.7	7.3	6.7	7.0	6.8
FAIRFIELD (SETF104)	7.0	6.7	6.7	7.0	7.3	6.3	7.0	7.0	6.0	6.7	7.3	6.7	7.0	6.8
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.0	6.7	7.0	7.3	6.7	6.7	7.0	5.7	7.0	7.3	7.0	7.0	6.8
FIRENZA II (PPG-TF 244)	6.7	7.0	6.7	6.7	6.7	7.0	7.0	7.0	6.3	6.7	7.0	6.7	7.0	6.8
GALACTIC (SESCR1)	6.7	6.7	6.0	7.0	6.7	6.7	6.7	7.0	6.0	7.0	7.3	6.7	7.0	6.8
JT 233	6.7	6.3	7.0	6.3	7.0	6.3	6.7	6.7	6.7	7.0	7.3	6.3	7.0	6.8
K18-NSE	6.7	7.0	7.0	7.0	7.3	6.7	7.0	6.7	6.0	7.0	7.3	6.7	7.0	6.8
NAI-ST5	6.7	7.0	6.7	6.7	7.0	6.7	7.0	7.0	6.3	7.0	7.0	6.3	6.7	6.8
OKEEFE (LTP-TF-122)	6.7	7.0	6.3	7.0	7.0	6.7	7.0	7.0	6.3	6.7	7.3	6.7	7.0	6.8
PPG-TF 249	7.0	6.7	6.3	6.7	7.0	6.7	7.0	7.0	6.0	7.0	7.0	7.0	7.0	6.8

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

NAME	GENETIC	SPRING	LEAF	DENSITY	DENSITY	QUALITY RATINGS								MEAN
	COLOR	GREENUP	TEXTURE	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PPG-TF 316	7.0	6.7	6.7	7.0	7.3	6.7	6.3	7.0	7.0	7.0	7.3	6.7	6.7	6.8
PROVIDENCE (GO-RH20)	7.0	7.0	6.3	7.0	7.0	6.7	6.7	7.0	6.3	7.0	7.0	6.3	7.0	6.8
RAD-TF105	7.0	6.3	6.7	6.7	7.0	6.3	6.7	7.0	6.3	7.0	7.0	6.7	7.0	6.8
RAPTOR III	7.0	6.7	6.7	7.0	7.0	6.3	7.0	7.0	6.3	7.0	7.0	6.7	6.7	6.8
RC4	7.0	6.3	6.7	7.0	7.0	6.3	6.3	7.0	6.3	7.3	7.0	6.7	7.0	6.8
RDC	7.0	7.0	6.0	7.0	7.0	6.3	6.7	7.0	6.7	6.7	7.0	7.0	7.0	6.8
RHF	6.7	7.0	6.7	6.7	7.0	6.3	6.7	7.0	6.7	7.0	7.0	7.0	7.0	6.8
SOUTHSIDE (PPG-TF 267)	7.0	7.0	7.0	6.7	7.7	6.7	7.0	7.0	6.3	6.7	7.7	6.3	7.0	6.8
SR 8700 (TMT1)	7.0	6.3	6.3	6.7	7.0	6.3	7.0	7.3	6.3	7.0	7.0	6.7	7.0	6.8
TALLADEGA II (NAI-3N2)	7.0	7.0	6.7	7.0	6.7	7.0	6.3	7.0	6.0	7.0	7.0	7.0	7.0	6.8
TANK (PPG-TF 338)	7.0	6.3	6.3	6.7	7.3	6.0	7.3	7.0	6.3	7.0	7.3	6.3	7.0	6.8
TITAN GLX (TF445)	6.7	7.0	6.3	6.3	7.3	7.0	6.7	7.0	6.3	7.0	7.3	6.0	6.7	6.8
TITAN MAX (TF456)	6.7	7.0	6.3	6.3	7.0	7.0	6.7	7.0	6.0	6.7	7.0	6.7	7.0	6.8
TRIAD (PPG-TF 323)	7.0	7.3	6.3	6.7	7.0	6.7	6.7	7.0	6.3	7.3	7.0	6.7	7.0	6.8
XANADU (JT 268)	7.3	6.3	6.3	6.7	7.3	6.0	6.7	7.3	6.3	7.0	7.3	6.3	7.0	6.8
AVENGER III (PPG-TF 308)	7.0	7.0	6.3	6.7	7.0	7.0	6.3	7.0	6.7	6.7	7.0	6.3	6.7	6.7
DLFPS-321/3706	6.3	6.3	6.3	6.7	7.0	6.0	6.3	7.0	6.0	7.0	7.0	7.0	7.0	6.7
DYNAMITE G-LS (PPG-TF 254)	6.3	7.3	6.3	6.3	7.0	7.0	6.7	7.0	6.0	6.7	7.0	6.3	7.0	6.7
FINELAWN SUPREME (RH3)	6.3	6.7	6.3	6.7	7.0	6.7	6.3	7.0	6.7	7.0	7.0	6.3	6.7	6.7
GALLARDO (DLFPS-TF/3550)	7.0	6.7	6.0	6.7	7.3	6.7	6.7	7.0	6.0	6.7	7.3	6.3	7.0	6.7
PADRE 2	6.7	7.0	6.0	6.7	6.7	7.0	6.3	7.0	6.0	7.0	6.7	6.7	7.0	6.7
PARAMOUNT	7.0	7.0	6.7	7.0	7.3	6.0	6.3	7.0	6.3	6.7	7.3	7.0	7.0	6.7
PPG-TF 318	6.7	7.0	6.7	6.3	7.0	6.0	7.0	6.7	6.3	7.0	7.0	6.3	7.0	6.7
PPG-TF 337	6.3	6.7	6.7	6.3	7.0	6.3	7.0	6.7	6.0	7.0	7.0	6.7	7.0	6.7
ROWDIER (DLFPS-321/3699)	7.0	6.7	6.3	6.3	7.0	6.3	7.0	7.0	6.3	6.7	7.0	6.3	6.7	6.7
SYMPHONY (PPG-TF 305)	6.7	7.0	6.3	6.7	7.3	6.7	6.7	6.7	6.3	6.7	7.0	6.7	6.7	6.7
TOUGH (NAI-TUE)	7.0	6.7	6.3	7.0	7.0	6.3	6.3	7.0	6.7	7.0	7.0	6.0	7.0	6.7
VALSETZ (PPG-TF 257)	7.0	7.0	6.3	7.0	7.0	6.7	6.3	7.0	6.3	6.7	7.0	6.7	7.0	6.7
COPIOUS TF	6.7	6.7	6.3	6.7	7.0	6.7	7.0	7.0	6.0	6.3	7.0	6.3	6.3	6.6
ESTRENA	7.0	7.0	6.7	7.0	7.0	6.7	7.0	6.7	6.3	6.7	7.0	6.0	6.7	6.6
FALCON SUPREME (RH1)	6.3	6.3	6.3	6.3	7.0	6.3	6.3	7.0	6.3	7.0	7.0	6.3	6.7	6.6
FIREHAWK SLT	6.7	7.0	6.7	6.7	7.0	6.7	6.3	7.0	6.0	7.0	7.0	6.3	6.7	6.6
GLX ACED (PST-5DART)	6.3	6.7	7.0	6.3	7.0	6.7	6.0	6.3	6.7	7.0	7.0	6.3	6.7	6.6
HEMI	7.0	6.7	6.0	7.0	7.0	6.3	6.3	7.0	6.0	7.0	7.0	6.3	6.7	6.6
K18-WB1	6.7	7.0	6.3	6.3	7.0	6.7	6.3	6.3	6.3	6.7	7.0	6.3	7.0	6.6
KIZZLE (K18-ROE)	7.0	7.0	6.0	6.3	6.7	7.0	6.7	6.7	6.0	7.0	7.0	6.3	6.3	6.6
RAD-TF115 (TURBO SS)	7.3	6.7	6.7	6.0	7.0	6.0	6.7	7.0	6.3	6.7	7.0	6.3	6.7	6.6
SERENADE (PPG-TF 320)	7.0	7.0	6.0	6.7	7.0	6.0	7.0	6.7	6.0	7.0	7.0	6.3	6.7	6.6
3B2	6.3	6.7	6.7	6.3	6.7	6.3	6.7	6.3	6.3	6.7	7.0	6.3	6.7	6.5
BENTLEY (DLFPS-321/3679)	7.0	6.3	6.0	6.3	7.0	6.3	6.7	6.7	6.7	6.7	6.7	6.0	6.3	6.5
FASTLANE (BY-TF-169)	6.3	7.0	6.7	6.7	7.0	6.0	6.7	6.3	6.0	6.7	7.0	6.0	7.0	6.5
FAYETTE	6.3	7.0	6.0	6.0	6.7	6.0	6.3	6.3	5.7	6.7	7.0	6.7	7.0	6.5
GLX REVIVE (PST-5GLBS)	6.3	6.3	6.7	6.3	7.0	6.3	6.7	6.0	6.7	6.3	7.0	6.3	7.0	6.5
GRANDE 3	6.7	7.0	6.0	6.0	7.0	6.7	6.7	6.0	6.0	6.7	7.3	6.3	6.7	6.5
GRO-PRO (SE53D2)	6.3	6.7	6.0	6.3	7.0	6.3	6.7	6.7	6.0	6.3	7.0	6.3	6.3	6.5

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	COLOR	GREENUP	TEXTURE	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
JT 517	6.3	6.7	6.0	6.7	6.7	6.7	6.3	6.7	6.0	6.3	7.0	6.3	6.7	6.5
LIFEGUARD	6.3	6.7	6.3	6.3	6.7	6.7	6.3	7.0	6.3	6.7	6.7	6.0	6.7	6.5
NATURALLY GREEN	7.0	7.0	6.0	6.3	6.7	6.7	6.0	7.0	6.0	6.3	7.0	6.0	6.7	6.5
PRO GOLD	6.7	7.0	6.0	6.7	6.7	6.7	6.3	7.0	6.0	6.0	7.3	6.0	6.3	6.5
PST-5DZM	6.3	6.3	6.0	6.0	6.7	6.0	6.3	6.3	6.3	6.7	7.0	6.3	6.7	6.5
PST-5THM	6.3	6.7	6.3	6.3	6.3	6.7	6.0	7.0	6.3	6.7	6.7	6.0	6.3	6.5
PST-5TRN	6.7	6.7	6.0	6.3	6.3	6.7	6.7	7.0	6.0	6.3	6.7	6.0	6.7	6.5
RACEWAY (DLFPS-321/3696)	7.0	7.0	6.0	6.3	7.0	6.3	6.7	7.0	6.0	6.3	7.0	6.0	6.7	6.5
SETFM2	6.3	6.3	6.0	6.3	7.0	6.3	7.0	6.3	6.0	6.7	7.0	6.0	6.7	6.5
TOPSHELF (BGR-TF3)	6.3	6.7	6.0	6.3	6.3	6.3	6.7	6.7	5.7	6.7	7.0	6.3	6.3	6.5
A-TF31	6.7	6.7	6.3	7.0	7.0	6.7	7.0	6.7	5.7	6.0	6.7	6.0	6.7	6.4
AST8118LM	7.0	6.0	6.3	6.0	6.3	6.0	6.7	7.0	6.0	6.3	6.7	6.0	6.3	6.4
LAFAYETTE (GO-AOMK)	6.3	6.3	6.3	6.3	7.0	6.3	6.3	6.3	5.7	6.0	7.0	6.3	7.0	6.4
LBF	6.7	6.7	5.7	6.7	7.0	6.0	6.3	6.7	6.0	6.3	7.0	6.3	6.7	6.4
MONUMENT (PST-5SQB)	6.3	6.7	6.3	6.3	7.0	6.3	6.3	6.7	6.0	6.3	7.0	6.0	6.3	6.4
MOONDANCE GLX	6.3	6.7	6.3	6.0	6.7	6.3	6.0	6.3	6.7	6.3	7.0	6.0	6.7	6.4
PST-5DC24	6.3	6.3	6.0	6.3	6.3	6.0	6.7	6.7	6.0	6.7	7.0	6.0	6.3	6.4
PST-5GQ	6.3	6.3	6.0	6.3	6.7	6.3	6.3	6.7	6.0	6.7	7.0	6.0	6.3	6.4
SETFM3	7.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.0	6.0	7.0	6.0	7.0	6.4
AST8218LM	6.7	6.3	6.0	6.3	6.0	6.3	6.0	7.0	5.7	6.3	6.7	6.3	6.3	6.3
ATF1768	6.3	6.7	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.0	7.0	6.0	6.0	6.3
ATF2116	6.3	7.0	6.0	6.0	6.3	6.3	6.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3
BANDIT	7.0	6.7	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.0	6.7	6.0	6.7	6.3
BULLSEYE	6.7	7.0	6.0	6.3	7.0	6.3	6.7	6.3	6.0	6.0	6.7	6.0	6.7	6.3
EXTRAVAGANZA (PST-5MCMO)	6.7	6.7	6.0	6.3	7.0	6.3	6.7	6.7	6.0	6.0	6.7	6.0	6.3	6.3
HELLCAT GLR (PST-5E6)	6.3	7.0	6.0	6.3	6.3	6.7	6.0	6.7	6.3	6.0	7.0	6.0	6.0	6.3
NAI-FQZ-17	6.7	6.7	5.7	6.0	6.7	6.3	6.3	6.3	6.0	6.0	6.7	6.0	6.7	6.3
ORIOLE (PST-5BYOB)	6.0	6.7	6.0	6.0	6.3	6.0	6.0	7.0	6.0	6.0	6.7	6.0	6.3	6.3
PST-5MINK	6.3	6.7	6.3	6.0	6.3	6.7	6.0	6.7	6.3	6.3	6.3	6.0	6.0	6.3
RAD-TF131	7.0	6.7	6.7	7.0	6.7	6.0	6.3	6.7	6.0	6.0	6.7	6.0	6.7	6.3
SE5STAR	6.0	6.3	6.0	6.0	7.0	6.3	6.3	6.3	6.0	6.3	7.0	6.0	6.3	6.3
TANGO	6.7	6.7	6.0	6.0	6.3	6.0	6.0	6.3	6.0	6.7	7.0	6.0	6.3	6.3
BAR-FA8230	6.3	6.7	6.3	6.0	6.3	6.0	6.3	6.0	6.3	6.0	6.7	6.0	6.3	6.2
BARNOBLE (BAR 9FE MAS)	6.0	7.0	6.0	6.0	7.0	6.0	6.3	6.0	5.7	6.0	7.0	6.0	6.3	6.2
BRAVO 2	6.7	6.3	6.0	6.0	6.7	6.3	6.0	6.0	6.0	6.3	7.0	6.0	6.0	6.2
ESCALADE	6.0	6.3	6.0	6.0	6.3	6.3	6.0	6.3	6.0	6.0	6.7	6.0	6.0	6.2
BIRMINGHAM	6.3	6.3	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.0	6.0	6.1
GRAND PRIX (FC15-01P)	6.0	6.3	6.3	6.0	6.7	6.0	6.3	6.3	6.0	6.0	6.3	6.0	6.0	6.1
OG-WALK	6.0	6.7	6.0	6.0	6.3	6.3	6.0	6.0	6.0	6.3	6.3	6.0	6.0	6.1
BAR FA 8228	6.3	6.7	6.0	6.0	6.0	6.3	6.0	6.0	5.7	6.0	6.0	5.7	6.0	6.0
PALOMAR	6.0	6.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.3	5.7	6.0	6.0
KENTUCKY-31	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
LSD VALUE	1.0	1.0	0.8	0.8	0.7	1.1	0.9	0.7	1.2	0.7	0.7	0.8	0.8	0.3
C.V. (%)	6.8	6.6	6.6	6.5	5.7	7.5	7.1	5.7	7.6	5.8	5.7	6.8	6.3	3.0

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

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

TABLE 2.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT NEWARK, DE 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	BROWN PATCH WARM TEMP.	APR	MAY	JUN	QUALITY RATINGS				MEAN
								JUL	AUG	SEP	OCT	
5LSS	6.7	7.3	7.0	5.3	8.0	8.0	6.7	6.3	6.3	6.3	7.3	7.0
AVENGER III (PPG-TF 308)	7.3	7.3	7.0	6.0	7.3	7.3	6.7	6.3	7.0	7.0	7.0	7.0
ZION (BAR TF 134)	6.7	6.7	7.0	6.0	7.7	7.3	7.0	6.7	6.7	6.7	6.7	7.0
DAYBREAK (AH2)	7.0	7.0	6.7	6.0	8.0	7.3	6.3	6.3	6.7	6.7	7.0	6.9
K18-RS6	6.3	7.7	7.0	6.0	7.7	7.3	6.3	6.0	7.0	6.7	7.0	6.9
NT-3	6.7	6.7	7.0	5.7	7.0	7.3	6.7	6.3	7.0	6.3	7.3	6.9
PPG-TF 312	6.3	7.7	8.0	6.3	7.7	7.0	7.0	6.0	7.3	6.7	6.7	6.9
ROWDIER (DLFPS-321/3699)	7.0	6.3	7.0	5.7	7.0	7.7	7.0	6.3	6.7	6.7	7.0	6.9
XANADU (JT 268)	7.0	7.3	7.0	6.0	8.0	7.7	6.3	6.3	6.3	6.7	7.0	6.9
CAPITAN (DLFPS-321/3705)	6.3	7.3	7.0	5.7	7.3	7.0	6.3	6.0	6.7	7.0	7.0	6.8
FASTLANE (BY-TF-169)	6.3	7.7	7.0	5.7	7.3	7.0	6.7	6.0	6.7	7.0	6.7	6.8
FINELAWN SUPREME (RH3)	6.7	7.7	7.3	6.0	7.3	6.7	6.7	7.0	6.7	6.3	7.0	6.8
HOUNDG NINE (DLFPS-321/3702)	7.0	7.0	7.3	5.7	7.0	7.7	6.7	6.0	6.7	6.7	7.0	6.8
K18-WB1	7.0	7.7	7.0	5.3	7.7	7.3	5.7	6.0	6.7	7.0	7.0	6.8
PROVIDENCE (GO-RH20)	6.7	7.0	7.7	6.0	7.0	7.3	7.0	6.0	6.3	7.0	7.0	6.8
SPYDER 2LS (ZRC1)	6.7	6.7	7.0	5.7	7.0	7.0	7.3	6.3	6.7	6.3	7.0	6.8
STEALTH (PPG-TF 238)	6.3	6.3	7.3	5.3	7.0	7.3	6.7	6.0	6.7	6.7	7.0	6.8
TD2	7.0	7.0	7.3	7.0	7.0	7.7	7.0	6.7	6.3	6.3	6.7	6.8
ATF1768	7.0	7.3	6.7	6.3	7.7	7.3	5.7	6.3	6.7	6.3	7.0	6.7
BLADERUNNER 3 (DLFPS-321/3701)	7.0	6.3	7.3	6.0	6.7	7.3	6.7	6.3	6.3	6.7	6.7	6.7
DLFPS-321/3693	6.7	7.7	7.0	6.7	7.0	7.3	6.0	6.7	6.7	6.3	6.7	6.7
DLFPS-321/3707	7.0	7.0	7.0	5.3	7.3	6.7	6.0	6.3	6.3	7.0	7.3	6.7
EXPANSE (PPG-TF 262)	7.3	7.0	7.0	6.0	7.0	7.0	7.0	6.3	6.3	6.3	6.7	6.7
HELLCAT GLR (PST-5E6)	6.0	7.0	6.3	5.0	7.0	6.3	6.3	6.3	7.0	6.3	7.3	6.7
JT 517	7.3	5.7	6.7	5.0	6.7	7.0	6.7	5.7	7.0	7.0	7.0	6.7
K18-NSE	6.0	7.3	7.0	6.7	7.3	7.0	6.7	6.0	6.7	7.0	6.0	6.7
OKEEFE (LTP-TF-122)	6.3	7.0	7.0	6.3	7.0	7.3	7.0	6.3	6.0	6.0	7.0	6.7
PPG-TF 249	7.0	7.0	7.3	6.3	7.3	7.0	6.3	6.3	6.7	6.7	6.7	6.7
PPG-TF 337	6.3	7.3	7.0	6.3	7.3	7.3	6.3	6.3	6.3	6.0	7.0	6.7
RAPTOR LS (PPG-TF 336)	6.3	7.0	7.0	6.3	6.3	7.3	7.3	6.3	6.3	6.3	7.0	6.7
ROVER (PPG-TF 306)	6.3	6.7	7.0	5.3	7.0	8.0	6.0	6.0	6.3	6.7	7.0	6.7
RS1	6.3	6.7	6.7	5.3	7.7	6.7	6.3	6.0	6.3	6.7	7.3	6.7
CLASH (AH1)	6.7	8.0	7.3	5.7	7.3	6.7	7.0	6.0	6.3	6.3	6.3	6.6
COL-TF-148	6.7	7.0	7.3	6.0	7.0	6.7	6.3	6.0	6.7	6.7	7.0	6.6
DLFPS-321/3695	6.3	7.3	7.0	6.0	7.0	6.7	7.0	6.0	6.3	6.3	7.0	6.6
ENDGAME (3N1)	6.7	6.7	6.7	6.0	6.7	7.0	6.3	6.3	6.3	6.3	7.0	6.6
LIFEGUARD	6.3	7.0	6.3	5.7	7.0	6.3	6.3	6.3	6.3	6.7	7.3	6.6
ORIOLE (PST-5BYOB)	6.7	6.3	6.3	5.7	6.7	7.0	6.0	6.3	7.0	6.3	6.7	6.6
PPG-TF 318	6.7	6.3	7.0	5.0	7.3	7.3	6.0	6.0	6.7	5.7	7.0	6.6
RACEWAY (DLFPS-321/3696)	7.3	7.0	6.7	6.3	7.3	7.7	5.7	5.7	6.7	6.7	6.7	6.6
RC4	6.3	6.3	7.0	5.0	6.3	6.7	6.3	6.0	6.7	6.7	7.3	6.6
RDC	6.7	6.3	6.7	6.0	6.3	7.0	6.7	6.3	6.3	6.3	7.0	6.6
SOUTHSIDE (PPG-TF 267)	6.3	6.3	7.0	6.0	6.3	7.3	6.3	6.3	6.3	6.3	7.0	6.6
TITAN GLX (TF445)	7.3	6.7	6.7	6.0	7.0	7.0	7.0	6.0	6.3	6.0	7.0	6.6
TITAN MAX (TF456)	6.7	7.0	6.7	5.0	7.3	7.0	5.7	5.3	6.7	7.0	7.0	6.6

TABLE 2.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT NEWARK, DE 1/  
2023 DATA

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

NAME	GENETIC				QUALITY RATINGS			OCT	MEAN			
	COLOR	SPRING GREENUP	LEAF TEXTURE	BROWN PATCH WARM TEMP.	APR	MAY	JUN			JUL	AUG	SEP
TITANIUM G-LS (PPG-TF 255)	7.0	7.0	7.0	5.3	7.0	6.7	6.0	6.0	6.7	6.7	7.0	6.6
3B2	6.7	6.7	6.7	6.3	6.7	6.3	6.7	6.3	6.3	6.0	7.0	6.5
BANDIT	7.7	7.7	6.0	4.7	7.0	7.3	6.7	6.0	6.0	5.3	7.0	6.5
BATTLE HAWK (NAI-ROS4)	6.7	7.3	6.7	5.3	7.3	7.0	6.3	6.0	6.0	5.7	7.0	6.5
DLFPS-321/3694	6.7	7.0	6.7	6.7	6.7	7.0	6.3	6.7	6.0	6.0	6.7	6.5
DLFPS-321/3706	6.0	6.0	6.3	4.7	6.7	7.3	6.3	5.7	6.0	6.3	7.0	6.5
DYNAMITE G-LS (PPG-TF 254)	7.0	7.3	7.0	6.0	7.0	6.7	6.7	6.0	6.0	6.3	7.0	6.5
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	6.7	7.0	6.0	7.0	6.7	7.0	6.0	6.3	6.0	6.7	6.5
ESTRENA	6.3	6.7	7.0	5.0	6.7	7.0	6.7	6.3	6.0	5.7	7.0	6.5
FAIRFIELD (SETF104)	7.0	7.0	6.7	6.3	6.7	7.7	6.3	5.7	6.3	6.0	6.7	6.5
FALCON SUPREME (RH1)	6.7	7.7	6.7	5.3	7.3	7.0	5.7	5.7	6.7	6.3	7.0	6.5
FIRECRACKER G-LS (PPG-TF 315)	7.0	7.0	7.7	6.0	7.0	7.7	5.7	6.3	6.3	6.3	6.3	6.5
FIREHAWK SLT	7.0	6.7	6.7	5.3	6.7	7.0	5.7	6.0	6.7	6.3	7.0	6.5
GLX ACED (PST-5DART)	6.7	6.7	7.0	5.3	6.7	6.7	6.0	6.0	7.0	6.7	6.7	6.5
GRANDE 3	6.3	6.3	6.0	5.3	6.7	6.3	7.0	6.3	6.7	6.3	6.3	6.5
HEMI	6.3	6.3	7.3	5.0	7.0	7.0	5.0	5.3	7.0	7.0	7.0	6.5
JT 233	7.0	6.7	7.0	6.0	7.0	7.0	6.3	6.0	6.3	6.0	6.7	6.5
PADRE 2	6.7	7.7	6.7	5.3	7.3	7.0	6.7	5.7	5.7	6.0	7.0	6.5
PARAMOUNT	7.0	7.0	6.0	5.7	7.0	6.7	6.3	6.3	6.3	6.3	6.3	6.5
PPG-TF 316	7.0	6.3	7.0	6.0	7.3	7.0	6.0	6.0	6.3	6.0	7.0	6.5
PST-5GQ	6.7	6.7	6.0	5.3	7.0	6.7	5.7	6.3	7.0	6.0	7.0	6.5
RHF	6.7	6.0	7.3	6.0	7.3	6.7	6.0	6.0	6.3	6.3	6.7	6.5
SETFM3	7.0	7.0	6.0	5.0	6.7	7.0	6.3	6.0	6.7	6.0	7.0	6.5
SR 8700 (TMT1)	6.7	7.3	7.0	5.3	7.7	7.0	5.7	5.7	6.0	6.3	7.0	6.5
TRIAD (PPG-TF 323)	7.3	7.0	7.0	6.7	7.0	7.7	5.7	6.0	6.0	6.3	6.7	6.5
ATF2116	6.7	6.3	6.0	4.3	6.3	7.0	6.3	5.7	6.0	6.3	7.0	6.4
BULLSEYE LTZ	7.0	6.7	7.7	5.0	7.3	7.3	5.7	5.0	6.0	6.0	7.3	6.4
COPIOUS TF	7.7	6.7	6.3	4.0	7.0	7.3	5.7	5.7	6.3	6.3	6.7	6.4
DEGAS (LTP-TF-111)	6.7	7.0	7.0	6.3	6.7	7.0	6.7	5.7	6.0	6.0	7.0	6.4
DLFPS-321/3708	7.0	6.7	6.7	5.3	6.7	7.7	6.0	5.7	6.0	6.3	6.7	6.4
DRAGSTER	7.0	7.0	7.3	5.0	7.0	6.7	6.7	5.7	6.0	6.0	6.7	6.4
GALACTIC (SESCR1)	6.7	6.7	7.0	5.7	6.7	6.7	6.7	5.7	6.3	6.0	6.7	6.4
PRO GOLD	6.7	7.0	6.0	5.0	7.0	7.0	5.7	6.0	6.7	5.7	7.0	6.4
PST-5THM	6.3	6.3	6.0	5.0	6.3	6.3	6.3	6.0	7.0	6.0	6.7	6.4
RAD-TF105	8.0	6.7	6.7	4.3	7.0	7.7	5.3	6.0	6.0	6.3	6.7	6.4
RHL2	6.7	6.0	7.3	6.3	6.3	7.3	6.7	6.0	6.0	6.0	6.3	6.4
SYMPHONY (PPG-TF 305)	6.7	7.0	6.7	5.7	6.7	7.7	6.0	5.7	6.0	5.7	7.0	6.4
TALLADEGA II (NAI-3N2)	7.0	7.7	6.7	5.7	7.7	7.3	6.0	6.0	6.3	5.7	6.0	6.4
TOUGH (NAI-TUE)	7.3	6.7	6.3	6.0	6.7	7.3	6.0	6.0	6.0	6.0	6.7	6.4
AST8118LM	7.3	6.7	6.3	4.3	7.0	7.0	7.0	5.3	6.0	5.7	6.3	6.3
AST8218LM	7.3	6.3	6.0	4.7	6.3	7.3	6.0	5.7	6.3	6.0	6.3	6.3
BENTLEY (DLFPS-321/3679)	7.3	6.7	6.7	4.7	7.0	7.0	5.7	5.7	6.3	6.7	6.0	6.3
DLFPS-321/3703	7.0	7.3	6.7	5.3	7.0	7.0	6.0	5.7	6.0	6.0	6.7	6.3
DLFPS-TF/3553	7.0	7.0	7.3	6.0	7.0	7.0	5.7	5.7	6.0	6.0	6.7	6.3
FIRENZA II (PPG-TF 244)	7.3	7.7	7.0	6.0	7.3	7.0	5.7	5.7	6.0	6.0	6.7	6.3

TABLE 2.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT NEWARK, DE 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	BROWN PATCH WEAR TOLER.	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
GLX REVIVE (PST-5GLBS)	6.3	6.7	6.7	5.0	6.3	7.0	6.3	6.0	6.3	6.0	6.0	6.3
KIZZLE (K18-ROE)	6.3	7.0	6.3	5.3	6.7	6.3	6.3	5.7	6.3	6.0	7.0	6.3
LAFAYETTE (GO-AOMK)	7.0	5.3	6.3	5.0	6.0	7.7	6.0	6.0	6.0	6.0	6.7	6.3
LBF	7.7	6.7	6.3	5.0	6.7	7.0	6.0	6.0	6.0	6.3	6.3	6.3
MONUMENT (PST-5SQB)	6.7	7.0	6.0	5.0	6.3	6.7	6.0	6.0	6.3	6.3	6.3	6.3
MOONDANCE GLX	6.3	5.3	6.3	6.0	6.3	6.0	6.0	6.3	6.3	6.0	7.0	6.3
PST-5DC24	7.0	5.3	7.0	6.0	5.7	7.0	6.7	6.3	6.0	6.3	6.3	6.3
PST-5TRN	6.0	6.3	6.7	4.7	6.7	7.0	5.3	5.7	6.3	6.0	7.0	6.3
RAD-TF115 (TURBO SS)	7.0	7.0	6.3	5.7	6.7	7.7	5.3	6.0	6.0	5.7	6.7	6.3
TANK (PPG-TF 338)	7.3	7.0	7.7	5.7	7.7	7.0	6.0	6.0	5.7	5.0	7.0	6.3
TEACHER (PPG-TF 313)	6.3	7.7	7.0	6.0	7.7	7.3	6.0	5.3	6.0	5.7	6.3	6.3
VALSETZ (PPG-TF 257)	7.0	6.7	7.0	6.0	7.0	7.0	5.7	6.0	6.0	6.0	6.7	6.3
BAR-FA8230	6.0	6.3	6.3	4.0	6.3	6.3	6.3	5.7	6.3	6.3	6.3	6.2
BONFIRE (JS DTT)	6.7	7.3	7.0	5.3	7.0	7.0	5.0	5.7	6.0	6.0	6.7	6.2
BRAVO 2	7.3	6.3	6.3	4.0	7.0	6.7	4.3	5.3	7.0	6.3	6.7	6.2
GALLARDO (DLFPS-TF/3550)	7.3	6.7	6.7	6.3	7.0	7.0	5.3	6.0	6.0	6.0	6.3	6.2
GRO-PRO (SE53D2)	6.3	6.7	6.3	5.3	6.3	6.7	6.0	6.0	6.0	5.7	6.7	6.2
NAI-FQZ-17	7.0	6.7	6.0	3.3	7.0	6.7	5.7	5.3	6.3	5.7	6.7	6.2
PST-5DZM	7.3	6.3	6.0	5.0	6.3	7.0	6.0	6.0	6.3	5.7	6.3	6.2
PST-5MINK	6.7	6.0	6.0	4.3	6.3	7.0	6.0	5.7	6.0	5.7	6.7	6.2
RAD-TF131	7.7	6.7	6.3	4.3	6.3	8.0	6.3	5.3	5.7	5.7	6.3	6.2
RAPTOR III	7.0	7.0	7.3	6.0	7.0	7.0	6.0	6.0	5.7	5.7	6.0	6.2
SERENADE (PPG-TF 320)	7.0	6.7	6.3	5.7	6.3	6.7	6.3	5.7	6.0	5.7	6.7	6.2
FAYETTE	6.7	7.0	5.7	4.0	6.3	7.0	5.7	5.3	6.3	5.7	6.3	6.1
NAI-ST5	7.3	6.7	7.0	4.7	6.7	7.0	6.0	5.3	6.0	5.7	6.3	6.1
SETFM2	7.0	6.0	6.0	6.0	5.7	7.7	6.0	6.0	5.7	6.0	6.0	6.1
TOPSHELF (BGR-TF3)	7.0	6.7	6.3	4.3	7.0	7.0	5.0	5.7	6.0	5.7	6.7	6.1
BIRMINGHAM	6.3	6.3	6.3	4.3	6.0	6.0	5.3	5.0	7.0	6.0	6.3	6.0
EXTRAVAGANZA (PST-5MCMO)	6.7	6.7	6.3	5.3	6.3	6.3	5.3	5.7	6.0	5.7	7.0	6.0
GRAND PRIX (FC15-01P)	6.3	6.3	6.3	3.3	6.7	6.3	5.7	5.3	6.0	5.7	6.3	6.0
NATURALLY GREEN	7.7	6.3	6.0	4.0	6.3	6.3	5.0	5.0	6.0	6.3	6.7	6.0
PALOMAR	6.3	6.7	6.0	4.7	6.3	6.3	6.3	5.3	5.3	5.3	7.0	6.0
PPG-TF 231	7.0	6.7	6.3	5.7	6.7	6.7	6.7	5.7	5.0	5.0	6.0	6.0
SE5STAR	7.0	6.7	6.0	4.3	6.3	6.3	6.0	5.3	5.3	5.7	6.7	6.0
A-TF31	8.0	7.0	6.7	3.7	5.7	7.3	5.0	5.3	5.3	5.7	7.0	5.9
BAR FA 8228	6.3	6.3	6.0	3.7	6.0	6.3	5.3	5.3	6.7	5.7	6.0	5.9
BARNOBLE (BAR 9FE MAS)	7.7	7.0	5.7	5.3	5.3	6.0	6.7	6.0	6.0	5.3	5.7	5.9
ESCALADE	6.7	6.7	5.7	4.3	6.3	6.0	5.7	5.7	6.0	5.3	6.0	5.9
TANGO	6.7	6.7	6.0	5.0	6.0	6.3	5.7	5.7	6.0	5.7	6.0	5.9
OG-WALK	7.0	5.3	5.3	4.0	5.0	6.0	5.7	5.3	5.7	5.7	6.3	5.7
BULLSEYE	6.7	6.7	6.0	5.0	5.7	6.3	5.0	5.3	5.7	5.0	6.0	5.6
KENTUCKY-31	4.0	4.7	4.0	4.3	4.0	4.3	4.7	4.3	4.7	4.0	4.3	4.3
LSD VALUE	1.2	2.4	1.0	1.7	1.3	1.0	2.2	1.2	1.4	1.7	1.3	0.5
C.V. (%)	8.7	12.0	8.3	16.6	9.9	7.7	13.4	9.0	9.3	11.1	8.4	5.0

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

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

TABLE 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT GRIFFIN, GA 1/  
2023 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS										MEAN
		FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
SR 8700 (TMT1)	9.0	7.0	9.0	8.3	8	8.0	8.0	7.7	7.7	8.0	8.0	8.0
STEALTH (PPG-TF 238)	9.0	7.0	9.0	8.7	8	8.3	8.0	7.7	7.7	7.7	8.0	8.0
TRIAD (PPG-TF 323)	9.0	7.0	9.0	8.3	8	8.3	8.0	7.7	7.7	7.7	8.0	8.0
AVENGER III (PPG-TF 308)	9.0	7.0	9.0	9.0	8	8.0	8.0	7.3	7.3	7.7	8.0	7.9
EXPANSE (PPG-TF 262)	9.0	7.0	9.0	8.0	8	8.0	8.0	7.7	8.0	7.7	8.0	7.9
GALACTIC (SESCR1)	9.0	7.0	8.7	8.0	8	8.0	8.3	7.7	7.7	7.7	8.0	7.9
NAI-ST5	9.0	7.0	9.0	8.7	8	8.0	8.3	7.0	7.3	7.7	8.0	7.9
RAPTOR LS (PPG-TF 336)	8.0	7.0	9.0	8.7	8	8.0	8.0	7.0	7.7	8.0	8.0	7.9
TD2	8.3	7.0	8.3	8.3	8	8.0	8.0	7.7	8.0	8.0	8.0	7.9
TEACHER (PPG-TF 313)	9.0	7.0	9.0	8.7	8	8.3	8.0	7.3	7.3	7.7	8.0	7.9
BATTLE HAWK (NAI-ROS4)	9.0	7.0	8.7	8.7	8	8.0	8.0	7.0	7.0	7.7	7.7	7.8
COL-TF-148	9.0	7.0	9.0	8.0	8	8.0	8.3	7.0	7.7	7.0	8.0	7.8
DLFPS-321/3695	8.3	7.0	8.3	8.3	8	8.0	8.0	7.0	7.7	8.0	8.0	7.8
FAIRFIELD (SETF104)	8.7	7.0	9.0	8.7	8	8.0	8.0	7.3	7.3	7.3	7.7	7.8
GALLARDO (DLFPS-TF/3550)	8.7	7.0	8.7	8.0	8	8.0	8.3	7.0	7.3	7.7	8.3	7.8
LIFEGUARD	8.7	7.0	8.3	8.3	8	8.0	8.0	7.3	7.3	8.0	8.0	7.8
PPG-TF 337	8.7	7.0	8.7	8.3	8	8.0	8.0	7.3	7.3	7.7	8.0	7.8
PROVIDENCE (GO-RH20)	8.7	7.0	9.0	8.3	8	8.0	8.0	7.0	7.3	7.7	7.7	7.8
PST-5GQ	8.7	7.0	8.7	8.3	8	8.0	8.0	7.3	7.3	7.3	8.0	7.8
RHL2	9.0	7.0	9.0	8.7	8	8.0	8.0	6.7	7.3	7.3	7.7	7.8
ROVER (PPG-TF 306)	8.7	7.0	9.0	8.7	8	8.0	8.0	6.7	7.3	7.3	7.7	7.8
ROWDIER (DLFPS-321/3699)	9.0	7.0	9.0	8.3	8	8.0	8.0	6.7	7.7	7.3	8.0	7.8
SOUTHSIDE (PPG-TF 267)	9.0	7.0	8.7	8.0	8	8.3	8.0	7.0	7.7	7.7	8.0	7.8
SPYDER 2LS (ZRC1)	9.0	7.0	8.7	8.7	8	8.7	8.0	6.7	7.0	7.3	7.7	7.8
TANK (PPG-TF 338)	9.0	7.0	8.7	8.0	8	8.0	8.3	7.3	7.3	7.3	8.0	7.8
XANADU (JT 268)	9.0	7.0	8.7	8.3	8	8.0	8.0	7.0	7.3	7.7	8.0	7.8
BLADERUNNER 3 (DLFPS-321/3701)	8.7	7.0	9.0	8.7	8	8.3	8.0	6.3	6.7	7.0	8.0	7.7
BULLSEYE LTZ	8.7	7.0	8.7	8.7	8	8.0	8.0	6.7	6.7	7.0	8.0	7.7
DLFPS-321/3694	8.7	7.0	8.7	8.3	8	8.0	8.0	6.7	7.0	7.3	8.0	7.7
DLFPS-321/3707	9.0	7.0	8.7	8.3	8	8.0	8.0	7.3	7.0	7.0	8.0	7.7
DYNAMITE G-LS (PPG-TF 254)	9.0	7.0	9.0	8.7	8	8.3	7.7	7.0	6.7	7.0	8.0	7.7
FIRECRACKER G-LS (PPG-TF 315)	9.0	7.0	8.7	8.0	8	8.0	8.0	7.0	7.3	7.3	8.0	7.7
FIREHAWK SLT	8.3	7.0	8.3	8.0	8	8.0	8.0	7.3	7.3	7.3	8.0	7.7
GLX ACED (PST-5DART)	8.3	7.0	8.3	8.3	8	8.0	8.0	7.0	7.3	7.3	8.0	7.7
GLX REVIVE (PST-5GLBS)	8.7	7.0	8.3	8.0	8	8.0	8.0	7.0	7.3	7.0	8.0	7.7
HEMI	8.7	7.0	8.7	8.7	8	8.0	8.0	6.7	7.7	6.7	7.7	7.7
K18-NSE	8.0	7.0	8.5	8.0	8	8.0	8.0	7.0	7.3	7.7	7.7	7.7
K18-WB1	9.0	7.0	8.3	8.0	8	8.3	8.0	7.3	7.0	7.7	7.7	7.7
LBF	8.3	7.0	8.3	7.7	8	7.7	8.0	6.5	7.3	7.7	8.0	7.7
NT-3	9.0	7.0	9.0	8.7	8	8.0	8.3	6.7	6.3	7.7	7.7	7.7
PPG-TF 312	8.3	7.0	8.7	8.0	8	8.7	8.3	6.3	6.7	7.0	8.0	7.7
PST-5THM	8.3	7.0	8.3	8.3	8	8.0	8.0	6.7	7.0	7.7	8.0	7.7
RACEWAY (DLFPS-321/3696)	8.7	6.7	8.3	8.0	8	8.0	8.0	6.5	7.3	7.3	8.0	7.7
RAD-TF131	9.0	7.0	8.7	8.0	8	8.3	7.7	7.0	7.0	7.0	7.7	7.7
SERENADE (PPG-TF 320)	9.0	7.0	9.0	8.0	8	7.7	8.0	7.0	7.0	7.0	8.0	7.7

TABLE 3.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT GRIFFIN, GA 1/  
2023 DATA

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

NAME	GENETIC	QUALITY RATINGS										MEAN
	COLOR	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
TALLADEGA II (NAI-3N2)	8.7	7.0	8.3	8.0	8	8.0	8.0	7.0	7.3	7.3	7.7	7.7
VALSETZ (PPG-TF 257)	9.0	7.0	9.0	8.7	8	8.0	7.7	6.7	7.0	7.0	8.0	7.7
3B2	8.7	6.7	8.7	8.0	8	8.0	8.0	7.0	6.7	6.7	8.0	7.6
BONFIRE (JS DTT)	8.7	7.0	8.7	8.3	8	8.0	8.0	6.3	6.3	7.3	8.0	7.6
BRAVO 2	9.0	6.7	8.7	8.0	8	7.7	7.7	7.0	7.0	7.3	8.0	7.6
CLASH (AH1)	9.0	7.0	9.0	8.3	8	8.0	8.0	5.7	6.7	7.0	8.0	7.6
DAYBREAK (AH2)	9.0	7.0	8.3	8.3	8	8.0	8.0	7.5	7.0	6.7	7.7	7.6
DLFPS-321/3703	8.7	7.0	8.7	8.0	8	8.0	8.0	6.7	7.0	7.3	7.7	7.6
DLFPS-321/3708	9.0	7.0	8.7	8.3	8	8.0	8.0	6.3	6.7	7.3	7.3	7.6
DLFPS-TF/3553	8.7	7.0	8.3	8.0	8	8.0	8.0	6.7	7.0	7.0	8.0	7.6
ESSENTIAL 2 (DLFPS-TF/3552)	8.3	7.0	8.7	8.0	8	8.0	8.3	6.3	6.7	7.3	7.7	7.6
FALCON SUPREME (RH1)	9.0	7.0	8.7	8.3	8	8.0	8.0	6.7	6.7	7.3	7.7	7.6
FASTLANE (BY-TF-169)	9.0	7.0	9.0	8.0	8	8.3	8.0	6.3	7.0	7.0	7.7	7.6
FINELAWN SUPREME (RH3)	8.0	7.0	9.0	8.3	8	8.0	8.0	5.7	6.7	7.7	8.0	7.6
FIRENZA II (PPG-TF 244)	9.0	7.0	8.7	8.3	8	8.0	8.0	6.7	7.0	7.0	7.7	7.6
HOUNDOG NINE (DLFPS-321/3702)	8.7	7.0	9.0	8.3	8	8.0	8.0	6.3	6.3	7.3	8.0	7.6
K18-RS6	8.7	7.0	9.0	8.0	8	8.0	8.3	5.7	6.7	7.3	8.0	7.6
OKEEFE (LTP-TF-122)	9.0	7.0	8.0	8.0	8	8.0	8.3	7.3	7.3	6.7	7.7	7.6
ORIOLE (PST-5BYOB)	8.3	7.0	8.3	8.0	8	8.0	7.7	6.7	6.7	7.3	8.0	7.6
PADRE 2	8.7	7.0	8.7	8.0	8	8.0	7.7	7.3	7.0	6.7	8.0	7.6
PPG-TF 231	9.0	7.0	8.7	8.7	8	8.0	8.0	6.3	6.3	7.0	8.0	7.6
PPG-TF 249	9.0	7.0	8.7	8.0	8	8.0	7.7	6.3	7.0	7.0	8.0	7.6
RAD-TF105	9.0	7.0	8.7	8.0	8	8.0	8.0	6.3	6.7	7.0	8.0	7.6
RAPTOR III	9.0	7.0	8.7	8.3	8	8.0	8.0	5.7	6.7	7.7	8.0	7.6
RC4	9.0	7.0	9.0	8.7	8	8.0	8.0	5.7	6.3	7.3	8.0	7.6
RDC	8.7	7.0	8.7	8.0	8	8.0	8.0	6.3	6.7	7.3	8.0	7.6
RHF	9.0	7.0	8.7	8.0	8	8.0	8.0	6.3	6.7	7.3	7.7	7.6
SYMPHONY (PPG-TF 305)	9.0	7.0	8.7	8.3	8	8.0	8.0	5.7	7.3	7.3	8.0	7.6
TANGO	9.0	6.7	8.7	8.0	8	8.0	8.0	6.7	7.0	7.3	7.7	7.6
TITAN GLX (TF445)	7.7	7.0	8.7	8.0	8	8.0	8.0	6.7	7.0	7.3	7.7	7.6
TOUGH (NAI-TUE)	8.7	7.0	9.0	8.3	8	7.7	7.7	6.0	7.0	7.3	8.0	7.6
ZION (BAR TF 134)	9.0	7.0	8.7	8.3	8	8.0	8.0	6.3	7.0	7.0	7.3	7.6
5LSS	8.3	7.0	9.0	8.3	8	8.0	8.0	6.3	7.0	6.3	7.3	7.5
ATF1768	8.7	7.0	8.3	8.0	8	7.7	8.0	6.7	6.7	7.0	7.3	7.5
ATF2116	8.7	7.0	8.0	7.7	8	7.7	8.0	6.5	6.7	7.3	7.3	7.5
BENTLEY (DLFPS-321/3679)	8.3	7.0	8.3	8.3	8	8.0	8.0	5.5	6.3	7.0	8.0	7.5
CAPITAN (DLFPS-321/3705)	8.7	7.0	8.7	8.0	8	8.0	8.0	6.3	6.3	6.7	8.0	7.5
COPIOUS TF	9.0	6.3	8.7	8.0	8	7.7	8.0	6.5	6.7	7.0	8.0	7.5
DEGAS (LTP-TF-111)	8.7	7.0	8.3	8.3	8	8.3	8.0	6.0	6.3	7.0	8.0	7.5
EXTRAVAGANZA (PST-5MCMO)	8.3	7.0	8.3	8.0	8	8.0	8.0	6.3	6.7	7.0	8.0	7.5
GRO-PRO (SE53D2)	8.7	6.7	8.0	8.0	8	8.0	7.7	7.0	7.0	7.3	7.7	7.5
JT 233	9.0	7.0	8.7	8.3	8	7.7	8.0	6.0	7.0	7.0	7.7	7.5
LAFAYETTE (GO-AOMK)	9.0	7.0	8.7	8.0	8	8.0	8.0	6.3	6.7	7.0	7.7	7.5
PARAMOUNT	8.3	7.0	8.3	8.0	8	7.3	8.0	6.3	6.7	7.0	8.0	7.5
PST-5TRN	8.3	6.7	8.3	8.0	8	8.0	7.7	6.0	6.7	7.7	7.7	7.5



TABLE 3.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT GRIFFIN, GA 1/  
2023 DATA

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

NAME	GENETIC COLOR	QUALITY RATINGS										MEAN
		FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
RS1	8.3	7.0	9.0	8.3	8.0	8.0	8.0	6.0	6.3	7.0	7.0	7.5
SETFM3	9.0	7.0	8.7	8.0	8.0	8.0	7.7	6.3	6.7	7.7	7.3	7.5
TITANIUM G-LS (PPG-TF 255)	9.0	6.7	9.0	8.3	8.0	7.7	7.7	6.0	6.3	7.3	8.0	7.5
A-TF31	9.0	6.3	8.7	8.0	8.0	7.7	7.7	6.3	7.0	7.0	7.7	7.4
BULLSEYE	8.3	6.3	8.3	7.7	8.0	7.7	7.7	6.7	7.0	7.0	7.3	7.4
DLFPS-321/3693	8.0	7.0	8.7	8.3	8.0	8.3	8.0	5.7	5.7	6.7	8.0	7.4
ESTRENA	8.3	6.0	8.7	8.0	8.0	7.7	7.7	6.3	7.0	7.0	7.7	7.4
GRANDE 3	8.3	7.0	8.3	8.0	8.0	8.0	8.0	6.0	6.3	6.7	7.7	7.4
JT 517	9.0	6.7	8.7	8.0	8.0	7.7	7.7	6.5	6.0	7.0	7.7	7.4
KIZZLE (K18-ROE)	8.7	7.0	8.7	7.7	8.0	7.7	7.7	5.7	6.7	7.0	7.7	7.4
MONUMENT (PST-5SQB)	8.3	7.0	8.0	8.0	8.0	7.3	8.0	6.3	6.7	7.0	7.7	7.4
MOONDANCE GLX	8.0	7.0	8.0	8.0	8.0	7.7	8.0	6.0	6.7	7.3	7.7	7.4
PPG-TF 316	9.0	7.0	9.0	8.3	8.0	8.0	8.0	5.3	6.3	6.3	8.0	7.4
PPG-TF 318	8.7	7.0	8.7	8.3	8.0	7.7	7.7	5.3	6.0	7.0	8.0	7.4
PRO GOLD	8.7	7.0	9.0	8.0	8.0	7.7	8.0	6.0	6.0	6.7	7.7	7.4
PST-5DZM	9.0	7.0	9.0	8.0	8.0	8.0	8.0	5.7	6.0	6.7	8.0	7.4
PST-5MINK	9.0	7.0	8.7	8.0	8.0	8.0	8.0	5.3	6.3	7.0	8.0	7.4
SETFM2	9.0	6.7	8.3	8.0	8.0	8.0	7.7	5.7	7.0	7.0	7.7	7.4
TITAN MAX (TF456)	8.7	7.0	8.3	8.0	8.0	7.7	8.3	5.3	6.7	7.0	7.7	7.4
TOPSHELF (BGR-TF3)	9.0	6.7	8.3	8.0	8.0	7.3	8.0	6.7	7.0	7.0	7.0	7.4
AST8218LM	9.0	6.3	8.7	7.7	8.0	7.7	7.7	6.5	6.3	7.0	7.0	7.3
BANDIT	8.7	6.7	8.0	7.7	8.0	7.3	8.0	6.3	6.3	7.0	7.3	7.3
BARNOBLE (BAR 9FE MAS)	8.7	6.7	8.0	7.7	8.0	7.3	7.7	6.3	6.7	7.3	7.7	7.3
BIRMINGHAM	9.0	7.0	8.3	7.7	8.0	7.3	7.3	6.7	6.7	6.7	7.3	7.3
DLFPS-321/3706	9.0	7.0	9.0	8.3	8.0	7.7	8.0	5.7	6.0	6.0	8.0	7.3
DRAGSTER	8.7	7.0	8.7	8.0	8.0	8.0	8.3	5.7	6.0	5.7	7.5	7.3
ENDGAME (3N1)	8.7	7.0	8.3	8.0	8.0	7.7	7.3	6.0	6.0	7.0	8.0	7.3
HELLCAT GLR (PST-5E6)	8.3	7.0	8.7	8.0	8.0	8.0	8.0	5.3	6.0	6.7	7.3	7.3
NAI-FQZ-17	8.7	6.3	9.0	8.0	8.0	7.3	7.3	6.3	6.7	7.0	7.0	7.3
NATURALLY GREEN	8.7	6.7	8.3	8.0	8.0	7.3	7.7	6.7	6.7	6.7	7.0	7.3
PST-5DC24	8.3	6.7	8.3	7.7	8.0	8.0	7.7	5.7	6.7	7.0	7.7	7.3
RAD-TF115 (TURBO SS)	9.0	7.0	8.7	8.0	8.0	7.7	8.0	5.3	6.3	6.7	7.0	7.3
SE5STAR	8.7	6.7	8.7	8.0	8.0	7.3	7.7	6.0	6.7	7.0	7.3	7.3
AST8118LM	9.0	6.0	8.0	7.7	8.0	7.3	7.7	6.7	7.0	6.7	7.3	7.2
BAR FA 8228	8.3	6.7	8.3	7.7	8.0	7.0	7.7	5.0	6.3	6.3	7.3	7.1
BAR-FA8230	8.3	6.3	7.7	7.7	7.7	7.7	7.3	6.0	6.7	7.0	7.0	7.1
ESCALADE	8.3	6.0	7.7	7.3	8.0	7.3	6.7	6.3	6.7	7.0	7.0	7.0
GRAND PRIX (FC15-01P)	8.0	6.3	7.7	7.3	8.0	7.0	7.0	6.3	6.3	7.0	7.0	7.0
OG-WALK	8.3	6.3	8.0	7.3	8.0	7.0	7.0	6.0	6.3	6.3	7.3	7.0
FAYETTE	8.7	7.0	8.3	8.0	8.0	7.3	8.0	4.7	5.3	5.7	7.5	6.9
PALOMAR	8.3	6.0	8.0	7.3	8.0	7.0	7.3	6.0	5.7	6.3	6.7	6.9
KENTUCKY-31	6.0	6.0	6.0	6.0	7.0	6.3	7.0	5.7	5.7	5.7	6.0	6.1
LSD VALUE	0.7	0.4	0.9	0.7	0.1	0.7	0.8	4.5	4.5	2.4	0.7	0.5
C.V. (%)	4.6	3.5	5.3	4.8	0.6	4.9	4.5	16.1	13.3	9.9	5.0	3.4

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

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

TABLE 4.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT AMES, IA 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	APR	MAY	JUN	JUL	QUALITY RATINGS				MEAN
								AUG	SEP	OCT	NOV	
BULLSEYE LTZ	5.7	5.7	9.0	6.0	6.7	5.7	6.7	6	7.0	8.0	8.0	6.8
PPG-TF 316	6.0	6.0	9.0	6.3	6.3	5.7	6.7	6	7.0	8.0	8.0	6.8
TOPSHELF (BGR-TF3)	6.7	7.3	9.0	6.3	6.3	5.7	6.7	6	7.0	8.0	8.3	6.8
AVENGER III (PPG-TF 308)	6.7	5.3	9.0	6.0	6.3	5.7	6.7	6	6.7	8.0	8.3	6.7
BIRMINGHAM	6.0	6.3	9.0	6.0	6.3	6.0	6.0	6	7.0	7.7	8.3	6.7
BLADERUNNER 3 (DLFPS-321/3701)	5.3	5.3	8.7	6.3	6.7	5.7	6.3	6	7.0	7.3	8.3	6.7
CLASH (AH1)	5.0	5.0	9.0	6.7	6.7	6.0	6.0	6	7.3	7.7	7.3	6.7
EXTRAVAGANZA (PST-5MCMO)	6.3	5.7	9.0	5.7	6.3	5.7	6.3	6	7.0	8.0	8.3	6.7
FIRENZA II (PPG-TF 244)	5.7	5.0	9.0	5.7	6.3	5.7	6.7	6	7.0	8.0	8.3	6.7
NT-3	5.3	5.7	9.0	6.0	6.7	5.7	6.7	6	7.0	7.7	8.0	6.7
RC4	6.0	4.7	9.0	5.7	6.0	6.0	6.7	6	7.3	7.7	8.3	6.7
RHF	5.3	4.0	8.0	6.7	6.3	5.7	6.3	6	7.0	8.0	7.7	6.7
SERENADE (PPG-TF 320)	5.7	4.0	9.0	6.0	6.7	6.0	6.3	6	6.7	8.0	7.7	6.7
STEALTH (PPG-TF 238)	5.7	5.3	9.0	6.3	6.7	6.3	6.0	6	7.3	8.0	7.0	6.7
TEACHER (PPG-TF 313)	5.3	3.3	9.0	6.0	6.3	5.7	6.3	6	7.0	8.0	8.0	6.7
VALSETZ (PPG-TF 257)	6.3	5.0	9.0	6.0	6.3	6.0	6.3	6	7.0	8.3	7.7	6.7
A-TF31	6.0	6.7	9.0	6.0	6.3	5.7	6.3	6	6.7	8.0	8.0	6.6
BANDIT	6.3	7.3	9.0	6.7	6.7	5.0	6.3	6	7.0	7.3	7.7	6.6
BRAVO 2	5.7	4.0	9.0	5.7	6.7	5.7	6.3	6	7.0	7.3	8.0	6.6
CAPITAN (DLFPS-321/3705)	6.0	5.0	9.0	6.0	6.3	6.0	6.3	6	7.0	7.3	8.0	6.6
COL-TF-148	5.7	4.3	9.0	5.3	6.3	6.0	6.7	6	6.3	8.0	8.0	6.6
DRAGSTER	5.3	3.7	9.0	6.0	6.7	6.0	6.0	6	7.0	7.7	7.7	6.6
DYNAMITE G-LS (PPG-TF 254)	5.7	4.7	9.0	6.3	6.3	6.0	6.3	6	6.7	7.0	8.0	6.6
ENDGAME (3N1)	6.0	4.0	9.0	6.3	6.0	5.3	7.0	6	7.0	8.0	7.3	6.6
EXPANSE (PPG-TF 262)	5.7	5.7	9.0	6.3	6.3	5.7	6.7	6	6.7	8.0	7.0	6.6
FAYETTE	6.0	6.0	9.0	6.3	6.0	6.0	6.3	6	7.0	7.3	7.7	6.6
FINELAWN SUPREME (RH3)	5.7	4.0	9.0	6.3	6.3	6.0	6.3	6	7.0	7.7	7.3	6.6
GALLARDO (DLFPS-TF/3550)	6.0	6.0	8.3	6.3	6.7	5.7	6.0	6	7.0	7.0	8.3	6.6
GLX ACED (PST-5DART)	6.3	5.3	9.0	6.3	6.3	5.3	6.3	6	7.0	8.0	7.3	6.6
GRO-PRO (SE53D2)	5.7	6.0	9.0	5.7	7.0	5.7	6.7	6	6.7	7.7	7.7	6.6
HEMI	5.3	4.7	9.0	6.3	6.0	6.0	6.0	6	7.0	8.0	7.7	6.6
HOUNDOG NINE (DLFPS-321/3702)	5.7	6.0	9.0	6.3	7.0	6.0	6.0	6	7.0	7.0	7.7	6.6
LAFAYETTE (GO-AOMK)	6.7	8.0	9.0	5.7	6.7	6.0	6.3	6	7.0	7.3	7.7	6.6
NAI-FQZ-17	7.3	5.7	9.0	6.3	6.0	5.3	6.3	6	7.0	8.3	7.7	6.6
NATURALLY GREEN	7.0	6.7	9.0	5.7	6.3	6.3	6.3	6	6.7	7.7	7.7	6.6
PALOMAR	6.3	5.7	9.0	6.7	6.3	6.0	6.0	6	7.0	7.3	7.7	6.6
PARAMOUNT	6.0	6.7	9.0	6.0	6.0	6.0	6.7	6	6.7	8.0	7.3	6.6
PPG-TF 249	5.7	6.7	9.0	6.7	6.3	6.3	6.0	6	7.0	7.0	7.3	6.6
PST-5MINK	6.0	7.0	9.0	6.0	6.0	6.0	6.7	6	7.0	7.7	7.7	6.6
RAD-TF131	6.3	7.3	9.0	6.3	6.3	6.0	6.0	6	7.0	7.3	8.0	6.6
RAPTOR LS (PPG-TF 336)	6.0	5.0	9.0	6.3	6.5	6.0	6.3	6	6.7	8.0	7.3	6.6
RHL2	5.3	5.0	9.0	6.0	6.3	6.0	6.7	6	7.0	7.0	8.0	6.6
TITAN GLX (TF445)	5.3	4.3	9.0	6.0	6.3	6.0	6.0	6	7.3	7.7	7.7	6.6
TITAN MAX (TF456)	5.3	5.0	9.0	6.0	6.3	6.0	6.3	6	7.3	7.7	7.0	6.6
5LSS	4.7	3.3	9.0	6.0	6.0	6.0	6.3	6	7.0	7.3	7.7	6.5

TABLE 4.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT AMES, IA 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS									MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
ATF1768	5.7	6.0	9.0	6.0	6.3	5.3	6.7	6	7.0	7.7	7.0	6.5	
ATF2116	6.3	5.7	9.0	5.3	6.7	5.3	6.3	6	7.0	7.7	7.3	6.5	
BAR FA 8228	7.3	6.0	8.7	5.7	6.0	5.7	6.7	6	6.7	7.3	8.0	6.5	
BARNOBLE (BAR 9FE MAS)	6.3	4.7	9.0	6.0	6.3	5.3	6.3	6	6.3	7.7	8.0	6.5	
BATTLE HAWK (NAI-ROS4)	5.0	4.3	8.7	6.3	6.0	6.3	6.0	6	7.0	7.3	7.0	6.5	
BONFIRE (JS DTT)	5.3	5.3	9.0	5.7	5.7	6.0	6.3	6	7.0	8.0	7.0	6.5	
BULLSEYE	5.3	5.0	9.0	5.7	6.3	6.3	6.0	6	7.0	7.3	7.7	6.5	
DAYBREAK (AH2)	5.0	4.0	9.0	6.3	6.0	6.0	6.0	6	6.7	7.3	7.3	6.5	
DEGAS (LTP-TF-111)	6.0	4.7	9.0	6.0	6.0	5.7	6.3	6	7.3	7.7	7.3	6.5	
DLFPS-321/3693	5.7	4.3	9.0	6.7	6.0	5.7	6.7	6	6.7	7.0	7.7	6.5	
DLFPS-321/3694	6.3	5.3	9.0	5.7	5.7	5.0	6.3	6	7.0	8.0	8.0	6.5	
DLFPS-321/3695	6.0	4.3	9.0	6.7	6.0	5.0	6.7	6	6.7	7.0	8.0	6.5	
DLFPS-321/3703	6.7	5.7	9.0	6.3	6.0	6.0	6.0	6	7.0	7.7	7.0	6.5	
DLFPS-321/3706	5.7	4.0	9.0	6.0	6.3	5.7	6.7	6	6.7	7.7	7.0	6.5	
DLFPS-321/3707	6.3	5.3	9.0	6.0	6.3	6.0	6.0	6	7.0	7.7	7.3	6.5	
ESCALADE	6.3	5.0	8.0	5.7	6.0	5.0	6.3	6	6.7	8.7	8.0	6.5	
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	4.0	9.0	5.7	6.0	5.7	6.3	6	7.0	7.7	7.3	6.5	
ESTRENA	5.3	4.0	9.0	5.7	6.3	6.0	6.0	6	7.0	7.3	7.7	6.5	
FASTLANE (BY-TF-169)	6.0	3.7	9.0	6.7	6.3	6.0	6.0	6	6.7	7.3	7.3	6.5	
FIRECRACKER G-LS (PPG-TF 315)	6.0	6.0	9.0	5.7	6.0	5.7	6.3	6	7.0	8.0	7.0	6.5	
FIREHAWK SLT	5.7	6.3	9.0	6.3	6.0	5.7	7.0	6	7.0	7.3	7.0	6.5	
GLX REVIVE (PST-5GLBS)	5.7	3.7	8.7	6.3	6.0	5.7	6.3	6	7.0	7.3	7.7	6.5	
JT 233	6.7	6.3	9.0	6.0	6.3	5.7	6.3	6	7.0	7.3	7.7	6.5	
K18-NSE	4.7	4.3	9.0	6.3	6.0	5.3	6.7	6	6.7	7.3	7.3	6.5	
K18-WB1	6.3	3.0	9.0	6.3	6.0	5.7	6.3	6	6.7	7.7	7.3	6.5	
KIZZLE (K18-ROE)	6.3	5.3	8.7	6.3	6.3	5.7	5.7	6	7.3	7.7	7.3	6.5	
LBF	6.0	7.3	9.0	6.0	6.3	5.3	6.7	6	6.7	7.7	7.3	6.5	
LIFEGUARD	5.0	3.7	9.0	6.3	5.7	5.7	6.0	6	7.0	7.7	7.3	6.5	
MOONDANCE GLX	5.7	5.3	9.0	5.7	6.3	6.0	6.3	6	7.0	7.7	7.3	6.5	
OG-WALK	6.3	5.7	9.0	5.7	6.0	5.3	6.3	6	7.0	7.3	8.0	6.5	
ORIOLE (PST-5BYOB)	5.7	5.0	9.0	5.7	6.3	5.7	6.7	6	6.3	7.7	7.7	6.5	
PADRE 2	5.7	5.0	9.0	6.3	6.0	5.7	6.3	6	6.7	7.3	7.7	6.5	
PPG-TF 337	5.7	5.0	9.0	6.3	6.3	6.0	6.3	6	6.7	7.3	7.0	6.5	
PRO GOLD	5.7	4.0	9.0	6.3	6.3	5.3	6.3	6	6.7	6.7	8.0	6.5	
PROVIDENCE (GO-RH20)	5.3	5.0	9.0	6.7	6.0	5.7	6.3	6	7.0	6.7	7.3	6.5	
PST-5DC24	6.7	7.3	9.0	5.7	6.3	5.7	6.3	6	7.0	7.3	7.3	6.5	
PST-5DZM	5.7	6.3	9.0	5.7	6.3	6.0	6.0	6	7.0	7.0	7.7	6.5	
PST-5GQ	5.3	5.3	9.0	5.7	6.3	6.0	6.0	6	6.3	7.3	8.0	6.5	
PST-5TRN	5.7	4.7	9.0	5.7	6.7	5.7	5.7	6	6.7	8.3	7.3	6.5	
ROWDIER (DLFPS-321/3699)	5.7	6.7	9.0	6.0	6.3	5.7	6.0	6	7.0	7.0	8.0	6.5	
SETFM3	5.7	6.0	9.0	6.0	6.0	5.7	6.0	6	7.0	8.0	7.7	6.5	
SOUTHSIDE (PPG-TF 267)	6.0	6.0	9.0	5.7	6.3	6.0	5.7	6	7.0	8.0	7.3	6.5	
SPYDER 2LS (ZRC1)	5.3	4.0	9.0	6.3	6.7	6.0	5.7	6	7.0	7.3	7.3	6.5	
SYMPHONY (PPG-TF 305)	5.3	5.3	9.0	6.0	6.0	6.0	6.3	6	7.3	7.3	7.3	6.5	
TANGO	6.3	6.3	9.0	5.3	6.0	6.3	6.0	6	7.0	8.3	7.3	6.5	

TABLE 4.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT AMES, IA 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
TANK (PPG-TF 338)	6.0	6.0	9.0	6.3	6.3	5.7	6.3	6	7.0	7.0	7.3	6.5
TD2	6.7	4.3	9.0	6.0	6.0	5.3	6.0	6	6.7	8.0	7.7	6.5
TOUGH (NAI-TUE)	6.0	6.3	9.0	6.0	6.0	6.0	6.0	6	7.3	7.3	7.7	6.5
TRIAD (PPG-TF 323)	5.7	5.3	9.0	6.0	6.3	5.7	6.0	6	6.7	7.0	8.0	6.5
XANADU (JT 268)	5.0	6.7	9.0	6.7	6.3	5.3	6.0	6	6.7	7.0	7.7	6.5
ZION (BAR TF 134)	6.3	4.7	9.0	5.7	6.3	5.3	6.7	6	6.7	7.3	7.7	6.5
3B2	6.0	5.3	8.7	6.0	6.3	5.3	6.0	6	6.7	7.3	7.7	6.4
AST8118LM	6.3	7.7	9.0	6.3	6.0	5.3	6.0	6	6.7	7.0	8.0	6.4
AST8218LM	7.3	6.3	8.7	5.3	6.3	5.7	6.3	6	6.7	8.0	7.0	6.4
BAR-FA8230	5.0	5.0	9.0	6.0	6.3	6.0	6.0	6	7.0	7.0	6.7	6.4
COPIOUS TF	6.3	7.7	9.0	6.0	6.3	5.7	6.0	6	6.7	7.3	7.3	6.4
DLFPS-321/3708	6.7	6.0	9.0	6.0	6.0	6.0	6.3	6	6.3	7.7	7.0	6.4
FALCON SUPREME (RH1)	6.0	4.0	9.0	6.3	5.7	5.7	6.3	6	6.7	7.3	7.3	6.4
K18-RS6	5.7	5.0	8.3	6.3	6.3	5.7	6.3	6	6.3	7.0	7.3	6.4
OKEEFE (LTP-TF-122)	6.0	4.0	8.3	5.3	6.0	6.0	6.0	6	7.0	7.7	7.3	6.4
PPG-TF 231	5.7	5.3	9.0	6.0	6.3	5.3	6.7	6	7.0	7.7	6.3	6.4
PPG-TF 318	6.0	5.3	9.0	5.7	6.0	5.7	6.3	6	6.7	7.7	7.0	6.4
RACEWAY (DLFPS-321/3696)	6.0	7.7	9.0	5.7	6.3	5.3	6.3	6	7.0	7.0	7.3	6.4
RAD-TF115 (TURBO SS)	7.0	7.7	9.0	5.7	5.7	5.7	6.3	6	6.3	8.0	7.7	6.4
RAPTOR III	6.0	5.0	9.0	5.0	6.7	5.3	6.3	6	6.7	8.0	7.3	6.4
RS1	6.0	3.3	9.0	6.0	6.3	5.7	6.0	6	6.7	7.0	7.7	6.4
SETFM2	7.3	6.3	9.0	5.7	6.3	6.0	6.0	6	6.7	7.3	7.3	6.4
SR 8700 (TMT1)	6.7	5.7	9.0	5.3	6.7	5.3	6.3	6	6.3	7.3	8.0	6.4
TITANIUM G-LS (PPG-TF 255)	5.0	5.3	9.0	6.7	5.7	6.0	6.0	6	7.0	6.3	7.7	6.4
BENTLEY (DLFPS-321/3679)	6.0	6.7	9.0	5.3	6.3	6.0	6.3	6	6.3	7.0	7.0	6.3
DLFPS-TF/3553	6.3	6.0	8.7	5.7	6.0	5.3	6.0	6	6.7	7.3	7.3	6.3
GALACTIC (SESCR1)	6.0	5.3	9.0	6.0	5.7	6.0	5.7	6	6.7	7.3	7.0	6.3
GRAND PRIX (FC15-01P)	6.0	6.0	9.0	6.3	6.3	5.0	5.3	6	6.7	7.3	7.7	6.3
GRANDE 3	5.3	5.0	9.0	5.3	6.0	5.7	6.7	6	6.7	7.3	6.7	6.3
HELLCAT GLR (PST-5E6)	5.7	5.0	9.0	5.3	5.7	6.0	6.3	6	6.3	7.7	7.3	6.3
JT 517	7.0	6.7	8.7	5.7	6.3	6.0	6.0	6	6.3	7.3	7.0	6.3
KENTUCKY-31	4.7	2.0	9.0	5.7	6.0	5.7	6.0	6	6.7	7.3	7.0	6.3
MONUMENT (PST-5SQB)	5.7	4.0	9.0	6.0	6.0	5.3	6.7	6	7.0	7.0	6.3	6.3
NAI-ST5	5.7	6.0	9.0	6.0	5.7	5.3	6.3	6	7.0	7.3	7.0	6.3
PST-5THM	5.7	5.7	9.0	5.7	6.3	5.7	6.0	6	6.3	7.0	7.0	6.3
RAD-TF105	6.0	7.3	9.0	5.7	6.3	6.0	6.0	6	7.0	7.0	6.7	6.3
ROVER (PPG-TF 306)	5.7	5.3	9.0	6.0	5.7	5.3	6.0	6	6.7	7.7	6.7	6.3
SE5STAR	6.0	6.0	9.0	5.7	6.3	5.3	6.0	6	6.7	7.0	7.7	6.3
TALLADEGA II (NAI-3N2)	6.0	4.7	9.0	5.7	5.7	5.3	6.3	6	7.0	7.7	7.0	6.3
PPG-TF 312	4.7	3.3	9.0	5.7	6.0	5.7	5.7	6	6.7	7.0	7.0	6.2
RDC	4.7	4.3	9.0	6.0	6.0	5.3	6.0	6	6.7	7.0	6.3	6.2
FAIRFIELD (SETF104)	6.3	6.7	9.0	5.0	6.0	5.0	6.3	6	6.3	7.0	7.0	6.1
LSD VALUE	1.9	1.7	1.6	2.5	4.0	3.5	2.8	0	2.0	4.6	3.5	1.1
C.V. (%)	13.4	18.9	3.5	10.4	9.4	10.5	8.5	0	6.5	10.4	10.2	3.5

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

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

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2018 NATIONAL TALL FESCUE TEST AT AMES, IA 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER		
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
BULLSEYE LTZ	6.0	6.7	7.7	98.7	84.7	72.7
PPG-TF 316	6.3	6.7	4.7	98.0	94.3	75.3
TOPSHELF (BGR-TF3)	6.3	6.7	7.0	97.7	80.7	69.3
AVENGER III (PPG-TF 308)	6.0	6.7	8.0	96.0	91.7	78.3
BIRMINGHAM	6.0	5.3	6.7	97.3	79.0	72.3
BLADERUNNER 3 (DLFPS-321/3701)	6.3	6.0	5.7	99.0	87.0	80.0
CLASH (AH1)	6.7	6.0	4.7	98.7	92.3	90.7
EXTRAVAGANZA (PST-5MCMO)	5.7	6.3	7.7	97.7	86.3	75.7
FIRENZA II (PPG-TF 244)	5.7	6.7	7.7	98.3	90.7	76.3
NT-3	6.0	6.7	7.3	98.3	87.0	72.0
RC4	5.7	6.7	7.0	98.3	93.3	81.7
RHF	6.7	6.3	5.3	97.3	89.0	72.7
SERENADE (PPG-TF 320)	6.0	6.3	6.7	97.7	80.0	72.7
STEALTH (PPG-TF 238)	6.3	6.0	5.0	97.7	89.7	79.3
TEACHER (PPG-TF 313)	6.0	6.3	6.3	97.0	92.3	79.0
VALSETZ (PPG-TF 257)	6.0	6.3	6.7	97.3	89.3	83.7
A-TF31	6.0	6.0	7.0	96.0	85.0	66.0
BANDIT	6.7	6.3	4.7	97.3	84.0	73.7
BRAVO 2	5.7	6.3	6.3	98.3	89.0	82.0
CAPITAN (DLFPS-321/3705)	6.0	6.3	5.7	98.0	89.7	79.7
COL-TF-148	5.3	6.7	8.0	96.7	88.7	72.3
DRAGSTER	6.0	6.0	5.3	97.3	88.3	80.3
DYNAMITE G-LS (PPG-TF 254)	6.3	6.3	7.3	97.0	90.7	76.0
ENDGAME (3N1)	6.3	7.0	6.3	97.7	83.3	73.3
EXPANSE (PPG-TF 262)	6.3	6.7	5.7	97.7	90.0	72.3
FAYETTE	6.3	6.3	6.7	97.3	93.0	74.0
FINELAWN SUPREME (RH3)	6.3	6.0	5.3	98.3	88.0	77.0
GALLARDO (DLFPS-TF/3550)	6.3	6.0	5.0	95.7	88.3	77.0
GLX ACED (PST-5DART)	6.3	6.3	7.7	96.3	88.3	75.7
GRO-PRO (SE53D2)	5.7	6.7	7.0	98.0	89.0	69.3
HEMI	6.3	6.0	6.3	98.3	80.3	76.3
HOUNDOG NINE (DLFPS-321/3702)	6.3	5.7	7.0	98.7	81.3	80.3
LAFAYETTE (GO-AOMK)	5.7	6.3	6.0	97.3	78.7	72.3
NAI-FQZ-17	6.3	6.0	6.7	92.0	79.7	77.3
NATURALLY GREEN	5.7	6.3	6.3	94.7	85.7	73.3
PALOMAR	6.7	6.0	5.7	95.7	86.7	77.7
PARAMOUNT	6.0	6.7	6.0	96.3	89.7	76.0
PPG-TF 249	6.7	5.7	5.3	98.0	92.0	79.3
PST-5MINK	6.0	6.7	6.3	97.3	91.0	73.0
RAD-TF131	6.3	6.0	7.7	98.7	76.7	66.0
RAPTOR LS (PPG-TF 336)	6.3	6.3	3.7	95.7	89.0	80.0
RHL2	6.0	6.3	6.7	98.7	88.3	76.0
TITAN GLX (TF445)	6.0	5.3	5.7	97.3	84.7	80.7
TITAN MAX (TF456)	6.0	6.0	4.7	97.7	89.7	77.0
5LSS	6.0	6.3	7.0	98.0	88.0	79.7

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) IN THE 2018 NATIONAL TALL FESCUE TEST AT AMES, IA 1/  
 2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER		
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
ATF1768	6.0	6.7	6.7	97.7	82.3	71.0
ATF2116	5.3	6.3	6.7	97.3	76.7	64.0
BAR FA 8228	5.7	6.7	7.0	89.3	80.3	68.7
BARNOBLE (BAR 9FE MAS)	6.0	6.3	6.7	94.7	83.7	73.0
BATTLE HAWK (NAI-ROS4)	6.3	6.0	5.0	98.0	90.0	92.3
BONFIRE (JS DTT)	5.7	6.3	5.3	97.7	88.3	76.7
BULLSEYE	5.7	6.0	4.7	98.0	94.7	87.7
DAYBREAK (AH2)	6.3	6.0	4.3	97.7	89.7	79.0
DEGAS (LTP-TF-111)	6.0	6.3	6.3	97.3	88.7	71.0
DLFPS-321/3693	6.7	6.7	6.7	97.0	89.7	74.0
DLFPS-321/3694	5.7	6.3	8.0	94.7	84.0	77.0
DLFPS-321/3695	6.7	6.7	7.3	96.7	92.0	78.3
DLFPS-321/3703	6.3	5.7	7.7	96.3	80.0	63.0
DLFPS-321/3706	6.0	6.3	7.0	98.3	84.7	73.0
DLFPS-321/3707	6.0	6.0	6.0	96.7	88.3	73.3
ESCALADE	5.7	6.3	6.3	94.3	85.0	75.3
ESSENTIAL 2 (DLFPS-TF/3552)	5.7	6.0	6.3	96.7	87.3	71.7
ESTRENA	5.7	6.0	5.3	97.3	81.7	79.7
FASTLANE (BY-TF-169)	6.7	6.0	6.0	96.0	89.0	76.7
FIRECRACKER G-LS (PPG-TF 315)	5.7	6.3	6.0	97.3	92.3	67.7
FIREHAWK SLT	6.3	7.0	7.7	97.3	90.7	77.0
GLX REVIVE (PST-5GLBS)	6.3	6.3	7.3	95.7	81.7	73.7
JT 233	6.0	6.3	5.7	95.7	85.3	73.7
K18-NSE	6.3	6.7	5.7	98.0	93.3	84.7
K18-WB1	6.3	6.3	8.0	94.3	93.3	82.7
KIZZLE (K18-ROE)	6.3	5.7	3.7	95.7	91.7	75.0
LBF	6.0	6.7	5.7	97.3	77.3	66.0
LIFEGUARD	6.3	6.0	5.7	96.0	88.3	77.0
MOONDANCE GLX	5.7	6.3	4.7	97.7	94.0	79.0
OG-WALK	5.7	6.0	7.3	95.0	84.7	75.7
ORIOLE (PST-5BYOB)	5.7	6.7	6.0	98.0	77.0	76.3
PADRE 2	6.3	6.3	7.3	97.0	86.7	76.0
PPG-TF 337	6.3	6.3	7.0	98.0	91.7	83.3
PRO GOLD	6.3	6.3	5.7	97.7	84.3	72.0
PROVIDENCE (GO-RH20)	6.7	6.3	6.3	97.7	89.3	84.3
PST-5DC24	5.7	6.3	5.3	95.7	81.0	70.3
PST-5DZM	5.7	6.0	5.0	96.3	86.0	72.7
PST-5GQ	5.7	6.0	7.0	97.3	85.7	77.7
PST-5TRN	5.7	5.7	6.3	97.3	86.3	76.3
ROWDIER (DLFPS-321/3699)	6.0	5.7	5.3	98.7	86.3	77.3
SETFM3	6.0	5.7	5.7	98.0	90.0	78.0
SOUTHSIDE (PPG-TF 267)	5.7	5.7	4.3	97.0	86.7	81.7
SPYDER 2LS (ZRC1)	6.3	5.7	4.7	98.0	91.7	88.3
SYMPHONY (PPG-TF 305)	6.0	6.3	4.0	98.7	92.3	77.7
TANGO	5.3	5.7	4.7	96.0	79.3	77.0

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2018 NATIONAL TALL FESCUE TEST AT AMES, IA 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER		
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
TANK (PPG-TF 338)	6.3	6.3	7.3	97.7	83.3	72.7
TD2	6.0	6.0	7.0	96.3	82.7	69.3
TOUGH (NAI-TUE)	6.0	6.0	4.3	98.0	89.0	79.3
TRIAD (PPG-TF 323)	6.0	6.0	7.0	98.3	85.7	74.7
XANADU (JT 268)	6.7	6.0	5.7	99.0	86.3	63.3
ZION (BAR TF 134)	5.7	6.7	8.0	96.7	93.3	79.0
3B2	6.0	6.0	6.3	96.0	90.7	77.7
AST8118LM	6.3	6.0	7.7	97.7	87.0	69.7
AST8218LM	5.3	6.0	6.7	94.0	78.0	80.7
BAR-FA8230	6.0	5.7	4.0	98.3	86.3	77.3
COPIOUS TF	6.0	6.0	4.3	96.3	83.0	70.7
DLFPS-321/3708	6.0	6.3	4.3	94.0	86.3	69.3
FALCON SUPREME (RH1)	6.3	6.0	6.7	94.7	88.0	78.0
K18-RS6	6.3	6.0	5.7	96.0	91.3	76.0
OKEEFE (LTP-TF-122)	5.3	6.0	6.0	95.0	91.0	75.3
PPG-TF 231	6.0	6.7	4.3	96.0	90.3	71.7
PPG-TF 318	5.7	6.3	7.3	96.7	90.0	71.0
RACEWAY (DLFPS-321/3696)	5.7	6.3	7.3	98.3	87.7	74.3
RAD-TF115 (TURBO SS)	5.7	6.3	7.7	94.7	77.7	67.0
RAPTOR III	5.0	6.3	7.0	97.0	88.3	76.7
RS1	6.0	6.0	6.3	95.7	83.0	72.3
SETFM2	5.7	5.7	5.3	94.7	78.7	68.3
SR 8700 (TMT1)	5.3	6.3	5.7	95.7	88.0	77.7
TITANIUM G-LS (PPG-TF 255)	6.7	5.7	6.0	98.7	88.0	78.3
BENTLEY (DLFPS-321/3679)	5.3	6.3	6.0	97.0	83.3	71.7
DLFPS-TF/3553	5.7	5.7	6.3	97.3	82.0	67.0
GALACTIC (SESCR1)	6.0	5.7	4.0	96.3	92.7	77.7
GRAND PRIX (FC15-01P)	6.3	5.3	5.3	96.0	83.0	80.0
GRANDE 3	5.3	6.3	5.3	97.3	88.3	75.7
HELLCAT GLR (PST-5E6)	5.3	6.3	5.7	94.7	85.0	83.3
JT 517	5.7	6.0	4.7	91.7	91.7	79.3
KENTUCKY-31	5.7	6.0	4.7	95.0	89.7	91.3
MONUMENT (PST-5SQB)	6.0	6.7	7.0	96.0	85.3	70.7
NAI-ST5	6.0	6.3	6.3	96.3	93.7	78.3
PST-5THM	5.7	6.0	6.0	97.0	83.0	74.7
RAD-TF105	5.7	5.7	5.0	97.3	91.3	73.3
ROVER (PPG-TF 306)	6.0	6.0	5.0	96.7	83.7	66.0
SE5STAR	5.7	6.0	7.3	98.0	82.0	74.7
TALLADEGA II (NAI-3N2)	5.7	6.3	5.3	97.0	85.3	76.7
PPG-TF 312	5.7	5.3	6.0	96.7	95.0	87.7
RDC	6.0	6.0	4.0	97.0	91.0	72.3
FAIRFIELD (SETF104)	5.0	6.0	5.0	95.3	86.3	69.0
LSD VALUE	2.6	3.4	7.7	6.5	30.8	21.9
C.V. (%)	10.5	10.3	30.3	2.3	8.6	10.5

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

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

TABLE 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY RATINGS			QUALITY RATINGS							MEAN	
				SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
RC4	5.7	7.0	7.7	6.3	6.3	7.3	6.3	6.0	6.0	6.3	6	7.0	8.0	8.3	6.8
FAYETTE	6.0	6.7	9.0	5.7	6.3	7.0	5.7	6.3	6.3	6.3	6	7.0	8.0	7.7	6.7
HEMI	6.0	6.0	8.3	5.7	6.7	7.7	5.7	6.0	5.7	6.7	6	7.0	8.0	8.7	6.7
A-TF31	6.3	5.7	8.0	6.0	6.3	7.0	6.0	6.7	5.7	6.3	6	7.0	7.0	8.0	6.6
BANDIT	6.3	7.0	7.0	6.3	6.3	6.3	6.3	7.3	6.0	6.3	6	6.3	7.0	7.3	6.6
BONFIRE (JS DTT)	6.0	5.0	7.7	5.7	6.3	6.7	5.7	6.3	6.0	6.3	6	7.0	8.0	7.7	6.6
CLASH (AH1)	5.7	8.0	8.0	6.0	6.3	6.7	6.0	6.3	6.7	6.3	6	7.0	7.0	7.7	6.6
DLFPS-321/3703	6.3	6.0	8.7	6.7	6.3	7.0	6.7	6.3	5.7	6.3	6	6.3	7.3	8.0	6.6
DRAGSTER	5.3	7.3	7.7	6.0	6.0	6.7	6.0	6.7	6.3	6.0	6	7.0	7.0	7.7	6.6
GLX ACED (PST-5DART)	6.0	6.7	8.3	5.7	7.0	7.3	5.7	6.0	5.3	7.0	6	6.7	8.0	8.3	6.6
GLX REVIVE (PST-5GLBS)	6.3	5.7	8.0	6.3	6.0	6.7	6.3	6.3	5.3	6.3	6	7.0	8.3	7.3	6.6
K18-WB1	5.3	7.0	6.7	6.7	6.3	6.7	6.7	6.3	5.0	6.3	6	6.7	8.3	7.7	6.6
MOONDANCE GLX	6.0	6.3	8.0	6.0	6.3	6.0	6.0	6.7	6.7	6.3	6	6.3	7.7	7.0	6.6
PPG-TF 316	5.7	6.0	8.0	6.0	6.0	6.7	6.0	6.3	6.0	6.0	6	7.0	8.0	7.7	6.6
RAPTOR LS (PPG-TF 336)	6.3	5.0	8.3	6.0	6.3	6.3	6.0	6.7	6.0	6.3	6	7.0	7.3	7.3	6.6
STEALTH (PPG-TF 238)	6.0	6.3	7.3	6.0	6.3	6.0	6.0	6.3	6.3	6.3	6	7.3	7.3	7.0	6.6
TITANIUM G-LS (PPG-TF 255)	5.7	5.7	7.7	6.3	6.0	7.0	6.3	6.0	5.7	6.3	6	6.7	8.0	7.7	6.6
ZION (BAR TF 134)	4.7	7.7	7.7	6.0	7.0	6.7	6.0	5.7	6.0	7.0	6	6.7	8.0	7.7	6.6
5LSS	5.0	6.7	7.3	6.0	6.3	7.0	6.0	6.3	5.7	6.3	6	7.0	7.0	8.0	6.5
ATF1768	5.7	6.3	8.0	6.7	6.3	6.7	6.7	6.0	5.7	6.3	6	6.7	7.3	7.7	6.5
BRAVO 2	7.0	5.3	8.0	5.7	6.3	6.7	5.7	6.3	5.7	6.3	6	6.7	7.7	7.7	6.5
BULLSEYE	5.7	6.0	7.0	6.0	6.0	6.3	6.0	6.0	6.0	6.0	6	7.0	7.3	7.3	6.5
BULLSEYE LTZ	6.0	6.3	8.3	6.0	5.7	6.7	6.0	6.3	5.7	6.0	6	7.3	7.3	7.7	6.5
COPIOUS TF	6.3	6.0	8.3	6.7	5.3	6.3	6.7	6.3	6.0	5.3	6	7.0	7.0	7.3	6.5
DEGAS (LTP-TF-111)	5.3	7.3	8.0	6.0	6.3	6.3	6.0	6.0	5.7	6.3	6	6.7	7.7	7.3	6.5
DLFPS-321/3695	5.3	7.0	8.7	5.7	6.7	6.3	5.7	6.0	5.7	6.7	6	7.0	7.3	7.3	6.5
DLFPS-321/3706	7.0	7.0	7.7	6.0	5.3	6.7	6.0	6.0	5.3	6.0	6	7.0	7.7	7.7	6.5
DYNAMITE G-LS (PPG-TF 254)	5.3	5.3	7.3	6.0	6.7	6.7	6.0	6.0	5.7	6.7	6	6.7	7.3	7.7	6.5
FASTLANE (BY-TF-169)	6.0	7.0	7.3	6.0	5.7	6.7	6.0	6.3	5.7	6.0	6	7.3	7.0	7.7	6.5
FIRECRACKER G-LS (PPG-TF 315)	5.3	5.3	8.3	5.7	6.3	6.3	5.7	6.0	6.3	6.3	6	7.0	7.0	7.3	6.5
FIREHAWK SLT	5.3	6.7	8.3	6.0	6.7	6.7	6.0	6.0	6.0	6.7	6	7.0	7.0	7.7	6.5
FIRENZA II (PPG-TF 244)	5.3	7.3	7.3	6.0	6.7	7.0	6.0	6.0	5.3	6.7	6	6.7	7.7	8.0	6.5
GRANDE 3	5.0	5.3	8.3	6.3	5.7	6.3	6.3	6.0	6.0	6.0	6	7.0	7.0	7.3	6.5
JT 233	6.7	5.7	8.0	6.7	6.3	6.3	6.7	6.3	5.0	6.3	6	7.0	7.0	7.3	6.5
LAFAYETTE (GO-AOMK)	6.7	4.0	7.3	5.7	5.7	6.7	5.7	6.7	6.0	6.0	6	6.7	7.3	7.7	6.5
OG-WALK	5.3	5.3	8.7	6.3	6.3	7.3	6.3	6.0	5.3	6.3	6	6.7	7.3	8.3	6.5
ORIOLE (PST-5BYOB)	6.7	5.0	8.0	6.0	6.3	6.7	6.0	7.0	6.0	6.3	6	6.3	7.0	7.7	6.5
PADRE 2	6.0	7.0	7.7	6.3	6.0	7.3	6.3	6.0	5.3	6.0	6	6.7	7.7	8.0	6.5
PALOMAR	5.7	6.0	7.0	6.3	6.3	6.7	6.3	6.3	5.7	6.3	6	6.7	7.0	7.7	6.5
PARAMOUNT	7.0	5.3	7.3	5.7	6.0	6.0	5.7	6.3	6.7	6.0	6	7.0	7.3	7.0	6.5
PPG-TF 337	5.3	5.7	6.0	5.7	6.3	6.3	5.7	6.0	6.0	6.3	6	7.3	7.3	7.3	6.5
PRO GOLD	5.3	6.3	8.7	6.3	6.3	7.0	6.3	6.3	5.0	6.3	6	6.7	7.3	7.7	6.5
PST-5TRN	5.7	6.3	8.3	6.0	6.0	6.7	6.0	6.3	6.0	6.0	6	7.0	7.3	7.7	6.5
RAD-TF115 (TURBO SS)	6.3	4.7	7.7	5.7	6.0	6.0	5.7	6.3	5.7	6.3	6	7.0	8.0	7.0	6.5
RAPTOR III	5.7	5.7	8.0	5.7	6.7	6.7	5.7	6.3	5.7	6.7	6	6.3	7.7	7.7	6.5



TABLE 5.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY RATINGS			QUALITY RATINGS						MEAN		
				SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP		OCT	NOV
RHF	5.3	6.0	9.0	5.7	6.3	6.3	5.7	6.3	5.7	6.7	6	6.7	7.7	7.3	6.5
RS1	5.3	6.0	8.7	6.3	6.3	6.7	6.3	6.3	5.0	6.3	6	7.0	7.0	7.7	6.5
SE5STAR	5.3	5.3	8.0	5.7	6.3	7.0	5.7	6.0	5.7	6.3	6	7.0	7.0	8.0	6.5
SETFM3	6.3	4.7	7.3	5.7	6.3	6.7	5.7	6.3	5.7	6.3	6	7.0	7.3	7.7	6.5
SPYDER 2LS (ZRC1)	5.0	7.7	7.7	6.3	6.0	5.7	6.3	6.7	6.3	6.0	6	7.0	7.0	6.7	6.5
SYMPHONY (PPG-TF 305)	6.3	6.3	6.3	6.7	6.3	5.7	6.7	6.3	6.3	6.3	6	7.0	7.0	6.7	6.5
TANK (PPG-TF 338)	6.3	5.0	8.7	5.7	6.3	7.0	5.7	6.3	5.3	6.3	6	7.0	7.3	8.0	6.5
TEACHER (PPG-TF 313)	5.3	6.3	8.3	5.7	5.3	6.3	5.7	6.7	5.7	6.0	6	7.0	7.3	7.3	6.5
TOPSHELF (BGR-TF3)	6.3	7.0	8.3	6.0	6.3	7.0	6.0	6.0	5.3	6.3	6	7.0	7.7	8.0	6.5
TRIAD (PPG-TF 323)	6.0	5.7	8.0	6.0	6.0	7.0	6.0	6.7	5.7	6.3	6	7.0	6.7	8.0	6.5
VALSETZ (PPG-TF 257)	5.3	7.0	8.3	6.0	6.0	6.7	6.0	6.0	6.0	6.0	6	6.7	7.7	7.7	6.5
AST8118LM	5.7	4.3	8.3	5.7	5.3	6.7	5.7	6.0	5.7	6.0	6	7.0	7.3	7.7	6.4
AST8218LM	7.0	4.7	8.0	5.7	5.7	6.3	5.7	6.7	5.7	6.0	6	6.3	7.3	7.3	6.4
ATF2116	6.3	3.7	8.0	5.7	6.3	6.3	5.7	6.0	5.3	6.7	6	6.7	7.3	7.3	6.4
AVENGER III (PPG-TF 308)	6.0	7.0	8.7	6.0	6.3	6.3	6.0	6.3	5.3	6.3	6	6.7	7.3	7.3	6.4
BATTLE HAWK (NAI-ROS4)	5.0	6.0	5.3	6.0	6.3	5.7	6.0	6.0	6.0	6.3	6	7.0	7.3	6.7	6.4
BIRMINGHAM	5.7	5.7	9.0	6.0	6.3	6.7	6.0	5.7	5.3	6.3	6	6.7	7.7	7.7	6.4
BLADERUNNER 3 (DLFPS-321/3701)	6.0	6.7	7.7	6.3	6.3	6.3	6.3	6.0	5.3	6.3	6	6.7	7.3	7.3	6.4
DLFPS-321/3694	6.3	6.3	8.7	5.7	6.0	7.0	5.7	6.3	5.0	6.0	6	6.7	7.3	8.0	6.4
DLFPS-321/3708	6.7	5.0	6.7	5.7	6.7	5.7	5.7	6.3	5.7	6.7	6	6.7	7.3	6.7	6.4
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	5.7	8.7	6.0	6.7	6.0	6.0	6.0	5.0	6.7	6	7.0	7.3	7.0	6.4
ESTRENA	6.0	6.0	5.7	5.7	6.0	6.7	5.7	6.3	5.3	6.3	6	6.7	7.3	7.7	6.4
EXPANSE (PPG-TF 262)	6.0	6.3	7.7	5.3	6.3	5.7	5.3	5.7	6.3	6.3	6	7.0	7.7	6.7	6.4
FALCON SUPREME (RH1)	5.3	7.3	7.7	6.7	6.7	6.0	6.7	6.0	5.0	6.7	6	6.7	7.3	7.0	6.4
FINELAWN SUPREME (RH3)	5.7	7.0	8.0	6.3	6.0	6.0	6.3	6.0	5.7	6.0	6	6.7	7.3	7.0	6.4
GRAND PRIX (FC15-01P)	5.7	4.7	8.0	6.3	5.3	6.3	6.3	6.3	5.7	6.0	6	6.7	7.0	7.3	6.4
GRO-PRO (SE53D2)	5.7	5.3	8.3	5.7	6.0	6.7	5.7	6.0	5.3	6.0	6	6.7	7.7	7.7	6.4
JT 517	7.0	5.0	8.0	5.3	6.3	6.0	5.3	6.3	6.7	6.3	6	6.7	7.0	6.7	6.4
K18-NSE	5.7	7.7	6.0	6.3	5.7	6.3	6.3	6.0	5.7	6.0	6	6.7	7.3	7.3	6.4
NAI-FQZ-17	7.3	4.3	7.3	5.7	5.7	6.3	5.7	6.3	5.7	6.0	6	6.7	7.3	7.3	6.4
NAI-ST5	5.7	5.7	7.0	5.7	6.0	6.3	5.7	6.0	5.7	6.0	6	7.0	7.3	7.3	6.4
NATURALLY GREEN	6.7	4.7	8.7	5.7	5.3	6.0	5.7	6.7	5.7	5.7	6	7.0	7.3	7.0	6.4
NT-3	6.0	5.7	9.0	6.0	6.3	6.7	6.0	5.7	5.7	6.3	6	6.7	7.3	7.7	6.4
PPG-TF 318	5.3	6.0	7.7	6.0	5.7	6.7	6.0	6.0	5.3	6.0	6	7.0	7.0	7.7	6.4
PROVIDENCE (GO-RH20)	5.7	7.0	8.7	6.3	6.0	7.0	6.3	5.7	5.7	6.0	6	7.0	7.0	7.7	6.4
PST-5DZM	4.7	5.3	7.3	5.7	6.7	6.7	5.7	6.0	5.0	6.7	6	7.0	7.3	7.7	6.4
PST-5GQ	5.7	5.7	8.3	5.7	5.7	7.0	5.7	6.3	5.3	6.0	6	6.3	7.7	7.7	6.4
PST-5MINK	6.7	4.3	7.7	6.0	5.7	6.7	6.0	5.7	6.3	6.0	6	6.3	7.7	7.0	6.4
PST-5THM	6.0	5.0	8.7	5.7	6.3	6.3	5.7	5.7	5.7	6.3	6	6.7	7.7	7.3	6.4
RAD-TF131	6.0	4.7	7.3	5.7	5.7	7.0	5.7	5.7	5.3	6.0	6	7.0	7.3	8.0	6.4
RHL2	5.3	6.0	6.0	5.3	6.0	6.7	5.3	6.3	6.0	6.3	6	6.7	7.0	7.7	6.4
ROWDIER (DLFPS-321/3699)	6.7	3.0	8.3	5.7	6.0	7.0	5.7	6.3	5.3	6.3	6	7.0	7.0	7.7	6.4
SERENADE (PPG-TF 320)	5.3	5.7	9.0	6.0	6.3	6.7	6.0	6.0	5.7	6.3	6	6.3	7.0	7.7	6.4
SR 8700 (TMT1)	7.3	3.7	8.0	5.7	5.7	6.0	5.7	6.7	5.7	6.0	6	7.0	7.3	7.0	6.4
TANGO	6.3	5.7	7.7	5.3	6.3	6.3	5.3	6.0	5.7	6.3	6	6.3	8.0	7.3	6.4

TABLE 5.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY RATINGS			QUALITY RATINGS							MEAN	
				SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
TD2	6.7	4.7	8.0	5.3	6.3	6.7	5.3	6.0	5.3	6.3	6	7.0	7.7	7.7	6.4
XANADU (JT 268)	5.7	5.0	7.3	6.3	6.3	6.3	6.3	5.7	5.7	5.7	6.3	6	6.7	7.3	6.4
3B2	6.3	5.3	8.3	5.7	6.0	6.3	5.7	6.3	5.7	6.0	6	6.3	7.3	7.3	6.3
BAR FA 8228	6.7	5.3	8.0	5.3	6.3	6.3	5.3	6.0	5.3	6.3	6	6.3	7.7	7.3	6.3
BAR-FA8230	5.0	5.0	7.0	6.0	6.0	6.0	6.0	6.3	5.3	6.0	6	6.7	7.0	7.0	6.3
BENTLEY (DLFPS-321/3679)	6.0	4.7	7.7	5.7	5.7	6.3	5.7	6.0	5.3	6.0	6	7.0	7.0	7.3	6.3
CAPITAN (DLFPS-321/3705)	6.0	6.7	8.0	5.7	5.7	6.0	5.7	6.7	5.3	6.0	6	6.7	7.0	7.0	6.3
COL-TF-148	6.3	6.0	8.3	5.0	6.3	6.7	5.0	5.7	5.7	6.3	6	6.7	7.7	7.7	6.3
DAYBREAK (AH2)	5.0	7.0	7.7	6.0	6.0	6.3	6.0	6.0	5.3	6.0	6	7.0	7.0	7.3	6.3
DLFPS-321/3707	6.0	7.0	6.3	6.3	6.0	5.7	6.3	5.7	5.7	6.0	6	6.7	7.7	6.7	6.3
DLFPS-TF/3553	6.3	5.3	8.3	5.3	6.7	6.7	5.3	6.3	5.3	6.7	6	6.3	7.0	7.7	6.3
ENDGAME (3N1)	6.0	6.7	7.7	6.0	6.3	6.3	6.0	6.3	5.0	6.3	6	6.7	6.7	7.3	6.3
ESCALADE	4.3	6.3	9.0	5.7	6.0	6.7	5.7	5.0	5.7	6.0	6	7.0	7.3	7.7	6.3
EXTRAVAGANZA (PST-5MCMO)	6.0	5.7	7.7	5.3	6.7	6.3	5.3	6.0	5.3	6.7	6	6.3	7.3	7.3	6.3
GALACTIC (SESCR1)	6.0	6.0	6.7	6.0	6.3	6.0	6.0	5.7	5.7	6.3	6	6.7	7.0	7.0	6.3
GALLARDO (DLFPS-TF/3550)	6.0	6.3	7.7	6.0	5.7	6.3	6.0	6.3	5.7	6.0	6	6.7	6.7	7.3	6.3
K18-RS6	5.3	7.0	8.0	6.0	6.0	6.3	6.0	5.7	5.7	6.0	6	6.7	6.7	7.3	6.3
KIZZLE (K18-ROE)	6.0	7.3	8.3	5.7	5.3	5.7	5.7	6.3	6.3	5.7	6	6.7	6.7	6.7	6.3
LBF	6.0	4.7	8.7	5.3	6.7	6.3	5.3	6.0	5.3	6.7	6	6.7	7.0	7.3	6.3
LIFEGUARD	5.7	5.3	8.0	5.7	6.0	6.0	5.7	5.7	6.0	6.3	6	7.0	7.3	6.7	6.3
MONUMENT (PST-5SQB)	6.0	5.3	6.7	6.0	6.0	6.3	6.0	5.7	5.3	6.0	6	6.3	7.3	7.3	6.3
OKEEFE (LTP-TF-122)	5.7	5.3	8.7	5.3	5.7	6.7	5.3	6.7	5.7	5.7	6	6.7	7.0	7.7	6.3
PPG-TF 231	5.0	5.0	7.7	6.0	5.7	5.7	6.0	6.0	6.0	5.7	6	7.0	7.0	6.3	6.3
PPG-TF 249	6.0	6.0	8.0	6.0	5.7	6.3	6.0	6.0	5.7	6.0	6	7.0	7.0	7.0	6.3
PPG-TF 312	4.7	7.3	7.7	5.7	6.0	6.7	5.7	5.3	5.3	6.0	6	7.0	7.0	7.7	6.3
PST-5DC24	7.0	3.7	7.3	5.3	6.7	6.7	5.3	6.0	5.0	6.7	6	6.7	7.0	7.7	6.3
RACEWAY (DLFPS-321/3696)	5.0	5.0	7.7	6.0	6.3	6.7	6.0	6.3	4.7	6.3	6	6.7	7.0	7.7	6.3
RAD-TF105	6.0	5.0	6.7	5.7	6.0	6.3	5.7	5.7	6.0	6.3	6	6.3	7.0	7.0	6.3
ROVER (PPG-TF 306)	5.3	4.3	7.3	5.7	6.0	6.0	5.7	6.0	5.3	6.0	6	7.0	7.0	7.0	6.3
SOUTHSIDE (PPG-TF 267)	6.0	4.3	7.0	5.7	5.7	5.7	5.7	6.7	6.7	5.7	6	6.3	7.0	6.7	6.3
TITAN MAX (TF456)	5.7	5.3	9.0	5.3	6.0	5.7	5.3	5.7	6.0	6.0	6	7.0	7.7	6.7	6.3
TOUGH (NAI-TUE)	5.7	4.7	7.3	5.3	6.3	5.7	5.3	6.0	5.7	6.3	6	7.0	7.0	6.7	6.3
BARNOBLE (BAR 9FE MAS)	6.3	6.3	6.7	6.3	5.7	6.7	6.3	5.7	4.7	6.0	6	6.3	7.0	7.7	6.2
DLFPS-321/3693	5.7	5.3	9.0	5.0	6.7	6.0	5.0	6.0	5.0	6.7	6	7.0	7.0	7.0	6.2
FAIRFIELD (SETF104)	5.7	4.3	7.7	5.7	5.7	6.0	5.7	5.3	5.3	6.0	6	7.0	7.0	7.0	6.2
HOUNDG NINE (DLFPS-321/3702)	6.7	6.0	8.0	5.7	6.0	5.7	5.7	6.0	5.3	6.3	6	6.7	7.0	6.7	6.2
SETFM2	7.0	4.7	8.0	5.7	5.7	5.7	5.7	6.0	6.0	5.7	6	7.0	7.3	6.0	6.2
TALLADEGA II (NAI-3N2)	5.0	5.7	8.0	5.7	5.7	5.7	5.7	6.3	5.0	6.0	6	7.0	6.7	6.7	6.2
TITAN GLX (TF445)	4.7	5.3	8.7	5.7	6.0	6.0	5.7	6.0	5.3	6.0	6	6.7	7.0	7.0	6.2
HELLCAT GLR (PST-5E6)	4.3	5.7	7.7	5.0	5.7	6.7	5.0	5.3	5.0	6.0	6	7.0	7.0	7.7	6.1
KENTUCKY-31	4.3	6.3	8.0	5.7	6.0	5.7	5.7	6.0	5.0	6.0	6	6.7	7.0	6.7	6.1
RDC	5.3	5.7	8.0	5.3	6.0	5.0	5.3	6.3	5.3	6.0	6	6.7	7.0	6.0	6.1
LSD VALUE	3.4	2.4	4.1	3.1	3.2	4.1	3.1	2.1	3.4	3.3	0	1.9	3.3	4.2	0.9
C.V. (%)	16.9	20.6	14.8	11.0	10.7	12.6	11.0	9.1	12.9	8.8	0	6.4	8.8	11.2	3.4

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 5.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/  
2023 DATA

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

NAME	PERCENT GROUND COVER					
	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
RC4	86.3	98.0	92.7	90.0	92.0	74.7
FAYETTE	85.0	97.7	93.7	90.3	88.7	77.0
HEMI	81.0	97.0	87.7	90.3	92.3	76.0
A-TF31	78.0	96.7	81.3	86.7	91.3	70.0
BANDIT	86.0	97.3	87.3	79.7	87.3	68.0
BONFIRE (JS DTT)	74.0	97.0	92.7	91.3	89.0	79.3
CLASH (AH1)	91.7	97.3	93.0	86.3	94.7	81.3
DLFPS-321/3703	81.3	97.0	87.7	84.3	80.3	72.0
DRAGSTER	88.0	98.7	91.7	87.3	95.0	77.0
GLX ACED (PST-5DART)	84.3	96.3	92.7	83.7	89.7	73.0
GLX REVIVE (PST-5GLBS)	79.3	96.3	84.7	86.3	88.0	74.3
K18-WB1	87.3	97.7	85.0	86.7	87.7	75.3
MOONDANCE GLX	83.7	95.7	95.3	87.0	90.7	76.3
PPG-TF 316	81.3	97.3	93.7	86.7	93.3	74.0
RAPTOR LS (PPG-TF 336)	77.0	97.0	91.3	89.0	92.3	76.7
STEALTH (PPG-TF 238)	84.7	98.3	95.7	92.0	93.3	76.3
TITANIUM G-LS (PPG-TF 255)	78.7	97.7	88.3	90.3	90.3	78.0
ZION (BAR TF 134)	91.7	96.7	95.3	84.3	91.0	74.0
5LSS	86.3	97.3	93.0	86.3	93.3	80.3
ATF1768	81.7	97.0	83.3	85.7	82.3	68.0
BRAVO 2	74.3	93.3	82.7	81.3	85.3	68.0
BULLSEYE	81.7	98.3	83.3	92.0	94.0	86.3
BULLSEYE LTZ	82.0	97.3	88.7	85.3	92.0	74.3
COPIOUS TF	81.7	97.3	85.3	82.3	88.7	76.7
DEGAS (LTP-TF-111)	89.3	97.3	88.0	82.0	81.7	66.7
DLFPS-321/3695	87.3	97.0	87.7	86.7	89.0	75.7
DLFPS-321/3706	88.0	93.0	86.3	81.3	85.0	75.3
DYNAMITE G-LS (PPG-TF 254)	79.3	96.7	87.3	87.7	92.3	75.3
FASTLANE (BY-TF-169)	85.3	96.3	95.0	86.7	88.0	76.3
FIRECRACKER G-LS (PPG-TF 315)	76.7	97.0	90.0	84.3	92.0	74.0
FIREHAWK SLT	85.3	97.3	92.0	87.3	94.0	78.0
FIRENZA II (PPG-TF 244)	87.0	97.7	92.0	84.3	91.3	78.0
GRANDE 3	75.7	97.7	87.7	89.7	85.0	76.3
JT 233	79.7	95.3	88.3	78.0	88.0	59.7
LAFAYETTE (GO-AOMK)	69.3	97.0	84.0	70.0	79.3	66.0
OG-WALK	78.7	97.3	72.0	91.0	91.0	78.3
ORIOLE (PST-5BYOB)	74.0	97.0	93.0	83.7	88.3	78.3
PADRE 2	88.0	97.0	81.7	84.3	93.3	80.0
PALOMAR	79.7	96.0	79.7	87.7	95.7	83.7
PARAMOUNT	75.7	95.7	87.0	89.7	83.7	71.7
PPG-TF 337	79.3	98.3	92.3	88.3	90.3	78.3
PRO GOLD	83.7	98.7	89.0	82.0	81.3	70.7
PST-5TRN	83.0	97.0	81.0	81.7	88.7	77.0
RAD-TF115 (TURBO SS)	73.3	97.3	80.7	84.3	87.0	66.0
RAPTOR III	79.0	97.0	91.3	86.7	88.7	71.3

TABLE 5.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/  
2023 DATA

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

NAME	PERCENT GROUND COVER					
	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
RHF	80.3	98.3	96.0	85.0	88.3	69.7
RS1	81.0	95.7	89.0	85.3	84.0	74.3
SE5STAR	76.3	97.7	84.7	82.7	84.0	71.7
SETFM3	73.3	97.0	91.3	88.0	90.3	67.0
SPYDER 2LS (ZRC1)	92.3	97.7	91.3	91.3	94.7	80.0
SYMPHONY (PPG-TF 305)	83.7	96.7	93.3	87.7	91.7	72.7
TANK (PPG-TF 338)	74.0	97.3	90.0	91.0	90.3	70.7
TEACHER (PPG-TF 313)	84.7	98.3	89.0	86.0	92.0	75.3
TOPSHELF (BGR-TF3)	88.0	96.0	81.7	79.7	86.3	64.0
TRIAD (PPG-TF 323)	77.3	97.3	85.7	73.3	88.7	71.3
VALSETZ (PPG-TF 257)	85.7	99.0	88.3	86.7	94.7	79.0
AST8118LM	71.7	97.7	64.0	74.3	89.7	70.0
AST8218LM	72.3	95.7	78.3	87.3	93.0	74.3
ATF2116	67.7	96.3	83.0	75.3	74.0	62.0
AVENGER III (PPG-TF 308)	86.0	98.7	92.0	92.0	93.0	82.0
BATTLE HAWK (NAI-ROS4)	81.3	97.7	78.7	91.3	93.7	81.7
BIRMINGHAM	78.7	93.7	71.0	79.0	92.3	72.0
BLADERUNNER 3 (DLFPS-321/3701)	84.0	97.3	91.3	80.0	88.7	72.7
DLFPS-321/3694	81.3	94.3	85.0	79.3	86.7	78.0
DLFPS-321/3708	75.7	95.7	83.0	81.0	85.3	65.3
ESSENTIAL 2 (DLFPS-TF/3552)	80.3	95.3	84.3	81.3	90.0	77.3
ESTRENA	80.0	96.3	88.3	90.7	94.0	81.0
EXPANSE (PPG-TF 262)	83.0	95.0	93.7	81.0	90.0	71.7
FALCON SUPREME (RH1)	88.7	98.3	85.3	87.3	90.3	79.0
FINELAWN SUPREME (RH3)	86.3	97.7	95.3	89.7	88.3	77.7
GRAND PRIX (FC15-01P)	72.0	97.0	71.7	85.0	90.3	78.0
GRO-PRO (SE53D2)	76.0	98.3	87.0	84.0	88.0	71.0
JT 517	76.0	96.3	88.3	87.0	91.0	68.0
K18-NSE	91.7	98.3	84.7	87.7	93.0	85.7
NAI-FQZ-17	70.3	92.3	85.0	76.7	89.0	75.7
NAI-ST5	77.0	96.0	84.3	91.0	94.3	79.3
NATURALLY GREEN	73.0	96.0	73.3	84.3	87.0	68.7
NT-3	79.0	95.0	88.3	88.0	80.3	63.3
PPG-TF 318	82.0	96.3	89.7	87.0	87.3	72.7
PROVIDENCE (GO-RH20)	87.3	94.7	87.3	88.0	93.7	79.3
PST-5DZM	77.3	97.3	91.7	79.7	84.0	69.3
PST-5GQ	77.3	97.3	88.7	81.7	87.7	76.7
PST-5MINK	70.3	94.3	83.3	89.3	90.7	68.0
PST-5THM	76.3	95.7	83.0	87.0	86.7	76.0
RAD-TF131	72.3	96.7	77.0	81.7	89.7	72.7
RHL2	80.3	97.0	94.3	87.3	86.7	68.0
ROWDIER (DLFPS-321/3699)	62.0	95.7	91.3	89.7	87.3	73.7
SERENADE (PPG-TF 320)	78.0	98.7	90.3	81.0	90.3	74.7
SR 8700 (TMT1)	67.3	94.7	89.0	82.7	82.7	70.3
TANGO	79.0	95.3	86.7	80.3	85.3	78.7

TABLE 5.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMES, IA 1/  
2023 DATA

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

NAME	PERCENT GROUND COVER					
	APRIL	MAY	JULY	AUGUST	OCTOBER	NOVEMBER
TD2	73.7	95.3	93.0	85.7	83.0	70.0
XANADU (JT 268)	74.7	98.0	90.3	80.3	83.7	67.0
3B2	76.3	95.0	92.7	86.0	93.3	76.0
BAR FA 8228	76.0	95.0	71.0	78.7	77.3	63.0
BAR-FA8230	75.7	97.3	88.3	83.7	89.0	77.0
BENTLEY (DLFPS-321/3679)	72.0	98.0	84.7	77.0	80.7	72.7
CAPITAN (DLFPS-321/3705)	85.7	98.0	90.7	81.0	86.0	72.0
COL-TF-148	82.0	94.7	92.0	85.7	82.3	69.3
DAYBREAK (AH2)	87.7	97.0	92.0	88.3	92.7	80.3
DLFPS-321/3707	87.0	96.0	83.0	83.7	86.0	72.0
DLFPS-TF/3553	76.3	95.7	85.0	83.0	82.0	72.3
ENDGAME (3N1)	84.3	98.0	78.0	77.7	91.3	73.0
ESCALADE	83.3	90.3	87.7	82.3	89.7	70.7
EXTRAVAGANZA (PST-5MCMO)	78.0	97.0	85.0	78.0	81.7	69.0
GALACTIC (SESCR1)	81.3	95.0	89.0	93.0	94.0	78.3
GALLARDO (DLFPS-TF/3550)	84.0	96.7	84.0	84.3	89.0	70.0
K18-RS6	86.0	94.3	91.7	82.3	90.0	73.3
KIZZLE (K18-ROE)	87.7	95.3	90.3	87.0	89.3	73.0
LBF	73.0	97.0	83.0	73.7	83.0	64.3
LIFEGUARD	76.0	96.0	88.3	85.7	90.3	72.7
MONUMENT (PST-5SQB)	75.7	94.3	88.0	87.7	92.3	77.3
OKEEFE (LTP-TF-122)	77.3	98.3	89.7	88.7	83.3	73.0
PPG-TF 231	74.3	98.3	85.3	90.0	85.3	70.3
PPG-TF 249	83.3	97.0	93.0	85.7	92.7	73.3
PPG-TF 312	89.3	97.0	94.3	89.3	94.7	81.3
PST-5DC24	66.3	95.3	76.7	75.3	81.7	67.3
RACEWAY (DLFPS-321/3696)	75.0	98.3	80.0	79.0	90.0	71.0
RAD-TF105	72.7	95.0	89.0	90.7	90.7	71.7
ROVER (PPG-TF 306)	71.0	96.7	95.0	87.3	91.0	70.3
SOUTHSIDE (PPG-TF 267)	71.3	97.3	92.3	89.7	92.3	78.3
TITAN MAX (TF456)	76.3	97.0	78.7	89.3	91.3	78.0
TOUGH (NAI-TUE)	71.7	97.7	87.7	87.0	89.0	76.3
BARNOBLE (BAR 9FE MAS)	83.3	93.0	84.0	79.3	88.7	72.7
DLFPS-321/3693	76.7	96.7	85.3	87.3	89.7	66.3
FAIRFIELD (SETF104)	68.7	94.0	75.3	83.0	86.0	71.7
HOUNDG NINE (DLFPS-321/3702)	79.3	96.3	88.3	78.0	82.0	63.3
SETFM2	72.0	95.3	92.7	85.0	87.3	66.7
TALLADEGA II (NAI-3N2)	77.3	97.3	89.3	91.7	88.0	78.0
TITAN GLX (TF445)	75.7	97.7	75.3	89.7	91.7	78.0
HELLCAT GLR (PST-5E6)	79.0	96.3	79.3	79.7	86.0	71.0
KENTUCKY-31	82.3	95.0	89.0	88.7	94.0	87.7
RDC	78.3	96.0	88.7	87.0	86.7	70.7
LSD VALUE	14.9	8.8	18.3	20.9	39.9	19.3
C.V. (%)	9.3	2.4	9.2	8.2	8.6	10.0

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 2018 NATIONAL TALL FESCUE TEST GROWN UNDER SHADE STRESS AT AMES, IA 1/  
2023 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	NOV	
DYNAMITE G-LS (PPG-TF 254)	5.3	6.0	6.0	5.7	6.0	6.0	6.0	5.7	5.3	4.7	6.0	5.7
MOONDANCE GLX	4.3	7.7	6.0	6.0	6.7	5.3	6.0	6.0	6.0	4.7	4.7	5.7
RAPTOR LS (PPG-TF 336)	5.3	5.7	6.0	6.0	6.3	5.7	6.0	5.7	6.0	5.0	5.0	5.7
VALSETZ (PPG-TF 257)	4.3	7.3	6.3	6.3	6.0	5.3	6.0	5.7	5.7	4.7	5.7	5.7
AVENGER III (PPG-TF 308)	5.0	6.7	5.3	6.0	6.0	6.0	5.7	5.7	5.7	4.3	5.3	5.6
FIRECRACKER G-LS (PPG-TF 315)	6.7	7.7	5.3	5.7	6.3	5.3	5.3	6.3	6.3	4.7	4.7	5.6
PPG-TF 337	5.7	5.3	4.7	5.7	6.0	5.3	5.7	6.0	5.7	4.7	5.7	5.6
RC4	5.0	6.0	6.3	6.0	6.3	5.7	5.7	6.0	5.3	4.7	5.0	5.6
STEALTH (PPG-TF 238)	4.0	7.3	6.0	5.7	6.3	5.3	6.0	6.0	5.3	4.7	5.7	5.6
COL-TF-148	5.3	6.7	6.7	5.7	6.7	5.3	5.3	5.3	5.3	4.3	5.7	5.5
COPIOUS TF	4.0	7.7	6.0	5.7	6.0	5.0	5.0	6.3	6.0	4.3	5.3	5.5
EXTRAVAGANZA (PST-5MCMO)	4.0	7.3	6.0	5.7	6.3	5.3	5.7	5.3	5.3	5.0	5.3	5.5
FIRENZA II (PPG-TF 244)	4.7	7.0	6.7	6.0	5.7	5.3	5.7	5.7	5.7	4.7	5.3	5.5
GLX REVIVE (PST-5GLBS)	5.3	6.7	6.7	6.0	6.3	5.3	5.7	5.7	5.7	4.7	5.0	5.5
ORIOLE (PST-5BYOB)	5.3	7.3	6.3	6.0	6.3	5.3	5.7	5.7	5.3	4.3	5.7	5.5
PADRE 2	4.3	7.3	7.3	5.7	5.7	5.3	5.7	6.0	6.0	4.3	5.3	5.5
PPG-TF 316	3.0	6.0	5.0	6.0	5.7	5.3	5.3	6.0	6.0	4.7	5.0	5.5
PST-5MINK	4.3	7.7	6.7	6.0	6.7	5.3	5.7	5.0	5.0	4.3	5.7	5.5
ROVER (PPG-TF 306)	4.3	7.3	7.0	5.7	6.7	5.7	5.7	5.3	4.7	4.7	5.3	5.5
BRAVO 2	4.3	7.7	7.0	6.3	5.7	5.3	5.3	5.3	6.3	4.0	4.7	5.4
BULLSEYE	5.3	5.7	6.7	6.0	6.0	5.0	6.0	5.3	5.0	4.3	5.7	5.4
DAYBREAK (AH2)	6.7	5.0	5.0	5.7	5.3	5.7	5.0	6.0	5.7	4.3	5.3	5.4
DEGAS (LTP-TF-111)	5.3	6.0	6.3	6.0	6.0	5.3	5.3	5.7	5.7	4.3	4.7	5.4
GRANDE 3	4.3	7.3	8.0	6.0	6.3	5.3	5.7	5.3	5.0	4.3	5.0	5.4
JT 517	4.0	7.7	7.3	5.7	6.7	5.7	5.7	5.0	4.7	4.3	5.3	5.4
LBF	4.3	6.7	5.3	5.3	6.0	5.3	5.7	5.7	5.3	4.0	5.7	5.4
MONUMENT (PST-5SQB)	5.3	5.3	5.3	5.7	5.7	5.0	5.7	6.0	6.0	4.0	5.0	5.4
NATURALLY GREEN	5.3	6.3	4.3	6.0	6.3	5.0	5.3	6.0	5.3	4.3	5.0	5.4
PPG-TF 318	5.7	5.7	5.3	5.3	6.3	5.7	6.0	5.0	4.3	4.7	5.7	5.4
PRO GOLD	4.3	7.0	5.3	6.0	6.0	5.0	5.7	5.7	5.7	4.0	5.3	5.4
PST-5TRN	4.7	7.0	7.3	6.0	6.0	5.3	6.0	5.3	5.3	4.3	5.0	5.4
RAD-TF115 (TURBO SS)	4.0	7.7	5.7	6.0	6.0	5.3	5.7	5.3	5.7	4.0	5.0	5.4
ROWDIER (DLFPS-321/3699)	5.0	8.0	6.7	6.0	6.3	5.3	5.3	5.3	5.3	4.0	5.3	5.4
TALLADEGA II (NAI-3N2)	5.0	7.0	7.0	5.7	6.0	5.7	5.7	5.3	5.3	4.7	4.7	5.4
XANADU (JT 268)	4.0	7.3	6.7	6.0	5.7	5.7	5.7	5.3	4.7	5.0	5.3	5.4
3B2	5.7	6.3	5.7	6.0	5.0	5.7	5.3	5.3	4.7	5.0	5.3	5.3
5LSS	6.3	6.0	4.7	6.0	5.3	5.3	5.0	5.7	5.3	4.7	5.3	5.3
ATF2116	5.0	5.7	5.7	5.3	6.3	5.0	5.7	5.3	4.7	4.3	5.7	5.3
BATTLE HAWK (NAI-ROS4)	5.3	5.7	7.0	5.0	5.7	5.3	5.7	5.7	5.3	4.3	5.0	5.3
BIRMINGHAM	5.0	7.0	6.0	6.3	5.7	5.0	5.0	5.3	5.3	4.0	5.3	5.3
BLADERUNNER 3 (DLFPS-321/3701)	5.7	6.0	6.3	5.7	6.0	5.0	5.7	5.7	5.7	4.0	4.7	5.3
BONFIRE (JS DTT)	4.0	7.0	6.3	6.0	6.3	5.7	5.3	5.0	5.0	4.3	5.0	5.3
BULLSEYE LTZ	5.3	7.0	6.0	5.3	6.3	5.3	5.0	5.3	5.3	4.3	5.0	5.3
CAPITAN (DLFPS-321/3705)	4.0	6.7	6.0	5.0	6.0	5.0	5.3	6.3	5.7	4.0	4.7	5.3
DLFPS-321/3693	5.0	6.7	4.0	6.0	5.7	5.3	5.0	5.7	5.7	4.3	4.7	5.3

TABLE 6.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER SHADE STRESS AT AMES, IA 1/  
2023 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	NOV	
DLFPS-321/3703	5.0	8.0	6.7	6.0	6.0	5.3	5.0	5.3	5.3	4.3	5.3	5.3
DLFPS-321/3706	5.3	5.0	4.0	5.3	5.7	5.3	5.0	5.7	5.7	4.3	5.0	5.3
DLFPS-321/3707	5.3	7.7	5.0	5.7	6.0	5.3	5.3	5.0	5.0	4.7	5.0	5.3
DRAGSTER	5.0	6.7	7.3	5.7	6.3	5.3	5.7	5.0	4.7	4.3	5.0	5.3
FAIRFIELD (SETF104)	4.0	7.7	7.7	6.0	5.7	5.0	5.3	5.0	5.0	4.7	5.7	5.3
FALCON SUPREME (RH1)	5.0	6.7	6.7	5.7	5.3	5.0	5.3	6.0	5.0	4.3	5.3	5.3
FAYETTE	5.3	5.7	7.0	6.0	6.0	5.7	5.7	5.0	4.7	4.3	5.3	5.3
GLX ACED (PST-5DART)	5.3	7.0	6.3	6.0	6.3	5.3	5.3	5.7	5.7	4.0	4.3	5.3
HELLCAT GLR (PST-5E6)	4.7	6.7	6.3	5.7	6.3	5.0	5.3	5.7	4.7	4.3	5.0	5.3
K18-WB1	5.0	4.7	5.7	5.7	5.7	5.0	5.3	6.0	5.7	4.0	4.7	5.3
LIFEGUARD	4.0	7.7	6.3	6.7	6.0	5.0	5.7	5.0	4.7	3.7	5.3	5.3
NT-3	6.0	5.7	6.0	6.0	5.3	5.0	5.0	5.7	5.7	4.3	5.3	5.3
PPG-TF 231	4.3	7.3	6.7	5.7	6.3	5.3	5.7	5.0	4.7	5.0	5.0	5.3
PPG-TF 249	5.3	5.7	5.3	5.3	5.3	5.3	5.7	5.7	5.3	4.0	5.3	5.3
PST-5DC24	6.0	6.3	4.3	5.3	6.0	5.0	5.0	6.0	5.7	4.7	5.0	5.3
PST-5DZM	4.7	6.7	6.3	5.3	6.7	5.0	5.3	5.7	5.3	4.3	5.0	5.3
RACEWAY (DLFPS-321/3696)	4.0	7.7	6.7	6.3	6.3	5.7	5.3	5.0	5.0	3.7	5.3	5.3
RAD-TF131	5.3	5.7	5.7	6.0	5.7	5.0	5.0	6.0	5.7	4.3	5.0	5.3
RHF	5.3	6.7	6.0	6.0	5.7	5.0	5.3	5.3	4.7	5.0	5.0	5.3
SETFM3	6.0	7.0	5.3	5.7	5.3	5.3	5.3	5.7	5.3	4.7	5.0	5.3
SR 8700 (TMT1)	3.3	6.0	5.7	5.3	6.0	5.0	5.3	5.0	5.7	5.0	5.3	5.3
SYMPHONY (PPG-TF 305)	4.0	7.0	5.7	6.0	5.3	5.7	5.0	5.7	5.3	4.0	5.0	5.3
TD2	5.7	5.3	5.3	5.3	6.0	5.3	5.7	5.3	5.0	4.3	5.0	5.3
TITAN MAX (TF456)	4.7	7.0	5.0	5.7	4.7	5.3	5.3	5.7	5.7	4.7	5.0	5.3
TITANIUM G-LS (PPG-TF 255)	5.7	5.7	5.7	5.7	5.3	5.0	5.7	6.0	5.7	4.0	5.3	5.3
TOPSHELF (BGR-TF3)	6.3	5.0	5.7	5.7	5.3	5.0	5.3	5.7	5.3	4.7	5.0	5.3
A-TF31	5.3	6.7	5.0	5.7	5.7	5.3	5.3	5.3	4.7	4.3	5.0	5.2
BANDIT	5.0	7.3	6.0	5.7	6.0	5.0	5.3	5.3	5.7	3.7	4.7	5.2
ESSENTIAL 2 (DLFPS-TF/3552)	5.0	5.3	5.7	5.3	4.7	5.3	5.7	5.7	5.7	4.3	5.0	5.2
FINELAWN SUPREME (RH3)	4.0	7.7	7.0	6.0	5.7	5.0	5.7	5.3	5.0	4.0	4.7	5.2
GALACTIC (SESCR1)	4.0	7.3	6.3	5.7	5.7	5.3	5.3	5.0	4.7	4.3	5.3	5.2
HEMI	3.3	6.0	6.3	5.7	6.0	4.7	5.7	5.3	4.7	4.3	5.0	5.2
NAI-FQZ-17	6.0	5.7	6.0	5.0	5.7	5.0	5.3	5.3	5.7	4.3	5.3	5.2
OKEEFE (LTP-TF-122)	5.3	5.3	7.0	5.3	6.0	5.0	5.3	5.7	5.3	4.3	4.7	5.2
PPG-TF 312	5.7	6.0	6.0	6.0	6.0	5.3	5.3	5.3	4.7	4.7	4.3	5.2
PROVIDENCE (GO-RH20)	5.3	7.3	6.7	5.7	5.7	5.3	5.3	5.0	4.7	4.7	5.0	5.2
RAPTOR III	5.7	6.3	5.3	5.7	6.3	5.0	5.0	5.7	5.3	3.7	4.7	5.2
RDC	5.0	7.0	6.0	5.7	6.3	4.7	5.3	5.3	5.3	4.3	4.3	5.2
RS1	6.3	4.7	5.7	5.3	5.0	5.0	5.3	5.7	5.7	4.3	5.3	5.2
SE5STAR	5.7	7.3	4.7	5.7	5.3	5.0	5.0	5.7	5.7	4.0	5.0	5.2
SETFM2	5.3	5.7	6.0	5.7	5.0	5.7	5.7	5.0	4.7	4.7	5.0	5.2
TANGO	3.0	6.7	4.3	5.3	5.7	5.0	5.3	5.3	5.0	4.7	5.0	5.2
TANK (PPG-TF 338)	6.3	5.3	3.7	5.3	5.7	5.3	5.7	5.0	5.0	4.3	5.0	5.2
TRIAD (PPG-TF 323)	6.0	5.7	4.7	5.0	6.0	5.3	5.7	5.3	5.0	4.3	5.0	5.2
BAR FA 8228	7.0	4.7	4.3	5.0	5.0	5.0	5.0	6.3	5.7	4.7	4.3	5.1

TABLE 6.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER SHADE STRESS AT AMES, IA 1/  
2023 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	NOV	
BAR-FA8230	7.0	5.0	5.3	5.0	6.3	5.0	5.3	5.0	5.0	4.3	4.7	5.1
EXPANSE (PPG-TF 262)	5.7	2.0	3.0	5.0	5.0	4.7	5.0	6.3	5.7	4.3	4.7	5.1
FIREHAWK SLT	6.3	4.7	5.3	5.0	5.7	5.3	5.3	5.0	5.0	4.7	5.0	5.1
JT 233	4.7	8.0	5.7	5.7	5.3	5.0	5.3	5.7	5.0	3.7	5.0	5.1
KIZZLE (K18-ROE)	5.3	4.3	6.3	4.7	5.7	4.7	5.0	5.7	5.3	4.3	5.3	5.1
PST-5GQ	4.3	6.7	7.3	5.3	5.7	5.3	5.7	5.0	4.7	4.0	5.3	5.1
PST-5THM	4.0	7.3	6.3	5.7	6.0	5.0	5.3	5.3	5.0	3.7	5.0	5.1
RHL2	7.3	5.0	5.7	5.0	5.0	5.0	5.3	6.0	6.0	4.0	4.7	5.1
SERENADE (PPG-TF 320)	5.3	4.7	4.3	5.3	6.3	5.0	5.3	5.3	4.3	4.3	5.0	5.1
TITAN GLX (TF445)	5.0	6.0	6.3	6.0	5.7	5.3	5.3	5.0	4.0	4.3	5.3	5.1
TOUGH (NAI-TUE)	6.3	3.3	5.3	5.3	5.3	5.0	5.3	5.0	5.3	4.7	5.0	5.1
AST8118LM	6.3	3.3	4.7	5.3	5.0	5.3	5.7	5.3	4.3	4.0	5.3	5.0
AST8218LM	6.0	4.0	4.3	5.3	4.7	5.3	5.3	5.3	5.0	4.7	4.7	5.0
ATF1768	6.3	4.3	5.0	5.3	5.0	5.3	5.0	5.0	4.7	4.0	5.3	5.0
BENTLEY (DLFPS-321/3679)	5.7	4.0	5.7	5.7	5.7	5.0	5.3	5.3	4.3	4.3	4.3	5.0
CLASH (AH1)	6.7	4.0	4.7	4.7	6.0	5.3	5.3	5.0	4.0	4.3	5.3	5.0
DLFPS-321/3694	5.7	5.0	3.7	5.3	5.7	5.3	5.3	5.0	4.0	4.3	5.0	5.0
DLFPS-321/3695	4.7	6.7	5.3	5.7	5.7	4.7	5.0	5.3	4.7	4.3	4.7	5.0
DLFPS-321/3708	7.7	5.3	3.7	5.0	6.0	5.0	5.0	5.7	5.3	4.0	4.3	5.0
DLFPS-TF/3553	4.7	4.7	4.3	5.3	5.0	4.7	5.0	5.0	5.0	4.3	5.3	5.0
ENDGAME (3N1)	5.7	5.7	5.0	5.0	5.3	5.0	5.0	6.0	5.3	3.7	5.0	5.0
ESTRENA	5.0	5.3	5.0	5.0	5.3	5.7	5.3	5.0	4.0	4.3	5.3	5.0
GALLARDO (DLFPS-TF/3550)	6.0	4.3	5.3	5.0	4.7	5.3	5.0	5.3	5.3	4.0	5.0	5.0
GRAND PRIX (FC15-01P)	4.7	8.0	5.7	6.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0
GRO-PRO (SE53D2)	6.3	4.3	5.0	5.0	5.7	5.0	5.0	5.0	4.7	4.7	5.3	5.0
KENTUCKY-31	4.3	6.0	5.7	6.0	5.7	5.0	5.3	5.3	4.0	4.0	4.7	5.0
OG-WALK	5.3	4.3	3.0	5.0	5.0	5.0	5.0	5.7	5.0	4.0	5.0	5.0
RAD-TF105	5.3	6.7	6.7	5.7	5.7	5.7	5.3	5.0	4.0	4.3	4.7	5.0
SOUTHSIDE (PPG-TF 267)	7.0	4.0	4.0	5.0	5.3	5.3	5.0	5.7	4.7	4.0	5.0	5.0
SPYDER 2LS (ZRC1)	5.0	6.3	5.7	5.7	5.3	5.0	5.3	5.3	5.0	3.7	5.0	5.0
TEACHER (PPG-TF 313)	5.0	6.7	4.0	5.3	5.3	5.0	5.3	6.0	5.3	3.7	4.0	5.0
ZION (BAR TF 134)	7.0	5.3	4.0	5.3	5.3	5.0	5.0	5.3	5.0	4.0	5.0	5.0
BARNOBLE (BAR 9FE MAS)	6.0	7.0	4.3	4.7	6.0	5.0	5.0	5.3	5.0	3.7	4.7	4.9
ESCALADE	5.7	4.7	5.3	5.0	5.0	5.0	5.7	5.0	4.0	4.3	5.0	4.9
FASTLANE (BY-TF-169)	5.3	6.3	5.7	5.3	5.7	5.0	5.3	5.0	4.3	4.3	4.3	4.9
K18-NSE	4.3	6.3	7.0	5.7	5.3	5.3	5.3	5.0	4.0	4.3	4.3	4.9
NAI-ST5	7.0	4.7	5.0	5.0	4.7	5.0	5.0	5.3	5.7	3.7	4.7	4.9
HOUND OG NINE (DLFPS-321/3702)	5.0	7.0	5.3	5.0	6.0	4.7	5.0	5.0	4.3	4.3	4.3	4.8
LAFAYETTE (GO-AOMK)	5.7	5.3	5.7	5.3	5.7	5.0	5.0	5.0	4.0	3.7	4.7	4.8
PARAMOUNT	5.3	6.0	3.7	5.7	5.3	4.7	5.0	5.0	3.7	4.0	4.7	4.8
K18-RS6	5.7	5.7	4.3	4.3	5.0	5.0	5.0	5.3	5.0	3.3	4.3	4.7
PALOMAR	6.3	4.3	3.3	4.7	5.0	5.0	5.0	5.0	4.0	4.0	5.0	4.7
LSD VALUE	9.5	10.0	7.3	5.2	3.6	2.3	2.7	1.8	3.0	3.3	5.6	1.9
C.V. (%)	32.5	33.9	30.4	14.9	14.6	9.4	9.9	10.5	17.3	14.7	15.8	7.2

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

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



TABLE 7.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT WEST LAFAYETTE, IN 1/  
2023 DATA

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

NAME	LEAF	DENSITY RATINGS			QUALITY RATINGS						MEAN
	TEXTURE	SPRING	SUMMER	APR	MAY	JUN	JUL	AUG	SEP	OCT	
5LSS	7.0	7.3	7.0	7.3	7.3	6.7	7.0	6.7	7.0	7.0	7.0
BULLSEYE LTZ	6.7	7.3	7.0	7.0	7.0	7.0	7.0	6.0	6.3	6.3	6.7
CAPITAN (DLFPS-321/3705)	5.7	6.3	6.7	6.3	6.0	7.0	6.3	7.0	7.0	7.0	6.7
RHL2	6.7	6.3	6.7	6.3	7.0	6.7	6.3	6.3	6.7	6.7	6.6
FIRECRACKER G-LS (PPG-TF 315)	5.7	7.0	6.7	6.7	7.0	7.0	5.7	6.3	7.0	5.3	6.4
K18-NSE	6.0	6.7	6.7	6.3	6.7	6.0	6.0	6.3	6.7	6.3	6.3
PPG-TF 312	7.0	6.3	6.7	6.0	6.3	6.3	6.3	6.7	6.3	6.3	6.3
PPG-TF 316	6.3	7.0	6.0	6.3	6.7	6.7	5.7	6.3	6.3	6.0	6.3
PPG-TF 337	6.7	7.0	6.7	6.7	6.7	6.7	5.7	6.7	6.0	5.7	6.3
RAPTOR LS (PPG-TF 336)	5.7	6.7	6.0	7.3	6.0	7.0	6.0	6.0	6.7	5.3	6.3
SOUTHSIDE (PPG-TF 267)	6.7	7.7	6.3	7.0	7.0	6.7	5.7	5.7	6.0	6.3	6.3
BONFIRE (JS DTT)	6.3	7.0	6.7	6.7	6.3	6.3	6.0	5.7	6.3	6.3	6.2
DEGAS (LTP-TF-111)	6.0	5.7	6.0	6.7	6.0	6.0	6.3	6.3	6.3	6.0	6.2
RHF	6.0	6.0	6.0	6.7	6.3	6.0	5.7	6.7	6.7	5.7	6.2
ROVER (PPG-TF 306)	5.7	7.0	6.7	6.0	6.0	6.7	6.0	6.3	6.7	5.7	6.2
XANADU (JT 268)	6.0	7.3	6.3	6.7	6.3	7.0	6.0	5.7	6.3	5.7	6.2
PPG-TF 249	5.7	6.3	5.3	6.7	6.0	6.7	5.7	6.0	6.0	5.7	6.1
RDC	6.0	6.7	5.7	6.7	5.3	6.0	6.0	5.7	6.3	6.7	6.1
VALSETZ (PPG-TF 257)	5.7	6.7	6.0	6.7	6.7	6.0	6.0	5.7	6.3	5.7	6.1
DLFPS-321/3693	6.0	6.0	5.7	6.3	6.0	6.3	6.3	5.7	5.7	5.7	6.0
DLFPS-321/3706	6.0	5.7	6.3	5.7	5.7	6.3	6.0	6.0	6.3	6.0	6.0
DRAGSTER	5.7	6.0	5.7	6.0	6.3	6.0	5.3	6.0	6.0	6.3	6.0
DYNAMITE G-LS (PPG-TF 254)	6.3	6.7	6.3	7.3	6.3	6.3	5.7	6.0	5.7	5.0	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	6.7	6.3	6.3	6.0	6.0	6.0	5.7	6.3	5.7	6.0
ESTRENA	6.0	6.3	6.7	5.7	5.7	6.0	6.0	6.3	6.7	5.3	6.0
EXPANSE (PPG-TF 262)	6.0	7.0	6.7	6.3	6.0	6.0	6.0	6.0	5.7	5.7	6.0
FASTLANE (BY-TF-169)	5.3	6.7	5.3	6.7	6.3	6.3	5.3	6.0	5.7	5.7	6.0
NT-3	6.0	7.0	6.0	6.3	6.7	6.3	5.7	6.0	5.3	5.3	6.0
PPG-TF 231	5.3	6.7	6.3	6.7	6.3	6.7	5.7	5.3	6.0	5.3	6.0
SPYDER 2LS (ZRC1)	6.0	6.7	6.7	5.7	6.3	6.0	5.3	6.0	7.0	6.0	6.0
TEACHER (PPG-TF 313)	6.3	6.7	5.7	6.7	6.7	5.3	5.3	6.0	6.0	6.0	6.0
TITAN MAX (TF456)	5.3	6.0	6.0	6.3	6.3	6.3	5.7	6.0	6.3	5.3	6.0
BLADERUNNER 3 (DLFPS-321/3701)	6.0	6.7	6.0	6.3	6.3	6.7	5.7	5.3	6.0	5.0	5.9
CLASH (AH1)	5.0	5.3	5.7	6.3	5.7	6.3	5.7	6.0	5.7	5.3	5.9
COL-TF-148	5.3	6.7	6.0	6.3	6.0	6.0	5.7	5.7	6.0	5.7	5.9
DLFPS-TF/3553	6.0	7.0	5.7	5.7	6.7	6.3	5.3	5.7	6.0	5.7	5.9
ENDGAME (3N1)	5.0	6.0	5.7	6.3	6.0	6.3	5.7	5.7	5.7	5.3	5.9
FINELAWN SUPREME (RH3)	5.3	6.0	6.0	6.3	5.3	6.3	5.7	6.0	6.3	5.3	5.9
FIREHAWK SLT	5.7	5.7	6.0	6.0	5.7	5.7	5.3	6.0	6.7	6.0	5.9
FIRENZA II (PPG-TF 244)	5.3	6.7	5.7	6.3	6.0	6.0	5.3	5.3	6.0	6.0	5.9
OKEEFE (LTP-TF-122)	5.3	6.7	6.3	6.7	5.7	6.0	5.7	5.3	6.3	5.7	5.9
PST-5GQ	5.7	6.0	5.7	6.7	6.3	6.0	5.3	5.7	6.0	5.3	5.9
RACEWAY (DLFPS-321/3696)	5.7	6.7	6.3	6.7	6.0	6.3	5.7	6.0	5.7	4.7	5.9
STEALTH (PPG-TF 238)	5.7	6.7	6.3	6.0	6.3	6.3	5.7	5.7	5.7	5.3	5.9
SYMPHONY (PPG-TF 305)	5.7	6.3	6.3	6.3	6.3	6.0	5.3	5.7	6.7	5.0	5.9

TABLE 7.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT WEST LAFAYETTE, IN 1/  
2023 DATA

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

NAME	LEAF	DENSITY RATINGS			QUALITY RATINGS						
	TEXTURE	SPRING	SUMMER	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
TANK (PPG-TF 338)	5.3	6.0	6.0	5.7	6.3	6.0	5.7	5.7	6.3	5.3	5.9
TITAN GLX (TF445)	6.3	6.0	6.0	6.3	6.7	5.7	5.3	5.7	6.0	5.3	5.9
ZION (BAR TF 134)	5.7	6.0	6.0	6.0	6.3	6.3	5.3	5.7	5.7	5.7	5.9
EXTRAVAGANZA (PST-5MCMO)	5.0	6.0	6.0	6.0	6.0	5.3	5.7	5.7	6.3	5.7	5.8
K18-RS6	5.3	6.3	5.7	6.0	6.0	6.0	5.0	5.7	6.0	5.7	5.8
K18-WB1	5.3	6.0	6.3	5.3	6.0	5.7	6.0	5.7	6.0	5.7	5.8
SERENADE (PPG-TF 320)	5.7	6.0	6.0	6.7	5.7	6.0	5.3	5.3	5.7	5.7	5.8
TD2	5.7	6.7	5.7	6.3	6.3	6.3	5.3	5.7	6.0	4.7	5.8
TRIAD (PPG-TF 323)	5.7	6.0	5.3	6.0	6.3	5.7	5.3	6.3	5.7	5.0	5.8
AVENGER III (PPG-TF 308)	5.3	6.0	5.7	6.0	5.7	6.3	5.3	5.7	6.0	5.0	5.7
DLFPS-321/3695	5.3	5.7	5.7	6.0	5.7	6.0	5.3	5.3	6.0	5.7	5.7
DLFPS-321/3707	5.7	6.0	5.3	5.7	6.7	6.0	5.0	5.7	5.7	5.3	5.7
DLFPS-321/3708	6.0	6.7	6.0	6.0	6.3	5.7	5.3	5.7	6.3	4.3	5.7
GLX ACED (PST-5DART)	5.3	6.0	5.7	6.0	5.3	6.0	5.7	5.7	5.7	5.7	5.7
HOUND OG NINE (DLFPS-321/3702)	5.7	6.7	5.7	6.0	6.3	6.0	5.7	5.0	6.0	5.0	5.7
JT 233	5.7	6.7	5.7	6.7	6.3	6.0	5.0	5.3	6.0	4.7	5.7
RC4	5.7	6.3	6.3	6.0	5.7	5.7	5.7	6.0	5.7	5.3	5.7
TALLADEGA II (NAI-3N2)	5.0	6.0	5.7	6.3	6.0	5.7	5.3	5.3	6.3	5.0	5.7
TITANIUM G-LS (PPG-TF 255)	5.3	6.3	5.7	6.0	6.0	6.0	5.3	5.3	5.7	5.3	5.7
BATTLE HAWK (NAI-ROS4)	5.0	6.7	6.3	5.7	6.0	6.0	5.3	5.3	5.7	5.3	5.6
DAYBREAK (AH2)	5.0	6.0	5.3	6.3	6.0	5.7	5.0	6.0	5.3	5.0	5.6
GALACTIC (SESCR1)	5.7	5.0	5.7	6.0	5.7	5.3	5.3	5.7	5.7	5.7	5.6
GALLARDO (DLFPS-TF/3550)	5.3	6.0	5.7	6.3	5.7	6.0	5.3	6.0	5.7	4.3	5.6
HELLCAT GLR (PST-5E6)	5.3	5.3	5.7	6.0	5.3	5.3	5.3	5.3	6.0	6.0	5.6
PPG-TF 318	5.0	6.0	6.0	7.0	6.0	6.0	5.0	4.7	5.7	5.0	5.6
RAD-TF105	5.3	5.7	5.7	6.0	6.0	5.7	5.0	5.3	6.0	5.0	5.6
RS1	4.7	6.3	5.7	5.7	6.0	5.7	5.0	5.7	5.7	5.7	5.6
KIZZLE (K18-ROE)	4.3	5.7	5.3	5.7	5.7	5.3	5.7	5.0	5.7	5.7	5.5
LIFEGUARD	5.3	6.3	6.3	5.7	5.7	5.7	5.3	5.7	5.3	5.3	5.5
PARAMOUNT	5.7	5.3	5.7	5.7	6.0	5.7	5.0	5.7	5.3	5.0	5.5
PROVIDENCE (GO-RH20)	4.7	5.7	5.7	5.3	5.7	5.7	5.0	5.0	6.0	5.7	5.5
PST-5TRN	5.0	5.7	6.0	5.7	6.3	5.3	5.3	5.3	5.7	5.0	5.5
ROWDIER (DLFPS-321/3699)	6.0	5.7	5.7	6.0	5.7	5.7	5.3	5.7	5.3	4.7	5.5
BENTLEY (DLFPS-321/3679)	5.3	5.0	5.3	6.0	5.0	5.7	5.7	5.7	5.0	5.0	5.4
GLX REVIVE (PST-5GLBS)	4.7	5.7	6.0	5.3	6.0	5.7	5.3	5.0	6.0	4.7	5.4
ORIOLE (PST-5BYOB)	5.0	5.3	5.7	6.0	5.3	5.3	5.7	5.3	5.0	5.3	5.4
SR 8700 (TMT1)	5.7	6.3	5.7	6.7	5.7	5.7	5.3	5.0	5.3	4.3	5.4
3B2	5.0	6.0	5.0	6.0	5.7	5.3	4.7	5.0	5.3	5.3	5.3
FALCON SUPREME (RH1)	4.3	5.7	5.0	5.3	5.7	5.3	5.0	5.3	5.7	5.0	5.3
JT 517	5.0	5.0	4.7	5.7	5.3	5.7	5.3	5.3	5.0	4.7	5.3
PST-5DZM	5.3	5.3	5.3	5.7	5.0	5.7	5.0	5.0	5.7	5.3	5.3
ATF1768	5.0	6.0	5.7	6.0	6.0	5.0	5.0	4.7	5.3	4.7	5.2
COPIOUS TF	5.3	5.7	5.7	6.0	5.7	5.3	5.0	5.7	4.7	4.3	5.2
DLFPS-321/3694	6.0	6.3	5.3	5.3	5.7	5.7	5.0	5.0	4.7	5.0	5.2
GRO-PRO (SE53D2)	5.3	5.3	4.7	5.7	6.0	5.0	5.0	5.3	5.3	4.3	5.2

TABLE 7.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT WEST LAFAYETTE, IN 1/  
2023 DATA

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

NAME	LEAF	DENSITY RATINGS		QUALITY RATINGS							MEAN
	TEXTURE	SPRING	SUMMER	APR	MAY	JUN	JUL	AUG	SEP	OCT	
MONUMENT (PST-5SQB)	5.0	5.7	5.3	5.7	5.7	5.3	4.7	5.0	5.3	4.7	5.2
NAI-ST5	5.7	5.7	5.3	5.0	5.7	5.0	5.3	5.3	5.0	5.3	5.2
PADRE 2	5.3	6.0	5.3	6.0	5.3	5.3	5.0	5.0	5.3	4.7	5.2
ATF2116	4.7	5.3	4.7	5.7	5.3	5.3	4.3	5.0	5.3	4.7	5.1
DLFPS-321/3703	5.7	5.0	5.0	5.0	5.3	5.0	5.0	5.0	5.3	5.0	5.1
FAYETTE	5.0	5.0	5.3	5.3	5.0	5.3	5.0	5.3	5.3	4.7	5.1
GRANDE 3	5.0	5.3	5.3	5.3	5.0	5.7	5.0	5.3	5.3	4.3	5.1
MOONDANCE GLX	4.7	5.3	5.0	5.7	5.0	5.3	5.0	5.0	5.3	4.3	5.1
PRO GOLD	5.0	6.0	5.3	5.7	5.3	5.7	4.7	5.3	4.7	4.3	5.1
PST-5MINK	5.0	5.3	5.3	6.0	5.0	5.3	5.0	5.0	5.0	4.3	5.1
RAPTOR III	4.7	5.3	5.3	5.3	5.3	5.3	5.0	4.7	5.7	4.7	5.1
SETFM3	4.7	5.0	5.0	5.3	5.3	5.0	5.0	5.0	5.3	4.7	5.1
TOPSHELF (BGR-TF3)	6.0	5.3	5.7	5.3	5.3	5.3	4.7	6.0	5.0	4.3	5.1
AST8218LM	4.3	5.3	4.7	5.7	5.0	5.0	4.7	5.0	5.3	4.3	5.0
BANDIT	5.0	5.0	5.3	5.7	5.3	5.3	4.7	4.7	5.0	4.3	5.0
FAIRFIELD (SETF104)	5.3	5.0	5.0	4.7	5.7	5.3	4.7	5.3	5.7	4.0	5.0
LBF	5.0	5.7	5.7	5.3	5.0	5.0	4.7	5.3	5.0	4.7	5.0
PST-5DC24	5.0	6.0	5.0	5.7	5.3	5.3	4.7	4.7	4.0	5.0	5.0
PST-5THM	4.3	5.0	4.7	5.3	5.3	5.3	4.7	4.7	4.7	4.7	5.0
RAD-TF115 (TURBO SS)	5.0	5.3	4.7	4.7	5.3	5.3	4.7	5.3	5.3	4.3	5.0
GRAND PRIX (FC15-01P)	5.3	5.0	5.0	5.3	4.7	5.0	4.7	4.7	4.7	5.0	4.9
LAFAYETTE (GO-AOMK)	5.7	5.0	5.3	6.0	5.3	5.3	4.7	4.3	4.3	4.3	4.9
SETFM2	5.3	6.0	5.3	5.0	5.0	5.3	5.0	4.3	5.0	4.7	4.9
A-TF31	5.7	5.3	5.7	5.7	4.7	5.0	4.7	4.7	4.7	4.3	4.8
SE5STAR	5.3	4.7	4.3	5.3	5.3	5.0	4.7	5.3	4.3	3.7	4.8
TANGO	4.3	5.3	5.0	5.7	5.0	5.0	4.3	4.7	4.3	4.3	4.8
BIRMINGHAM	4.3	5.0	5.0	5.0	4.7	4.7	4.7	4.3	5.0	4.3	4.7
HEMI	4.0	5.0	4.7	5.0	5.0	4.7	5.0	4.7	5.0	3.7	4.7
AST8118LM	4.3	5.7	4.3	5.0	5.0	5.0	4.3	4.7	4.0	4.0	4.6
BAR-FA8230	4.3	4.3	4.7	5.0	5.0	4.7	4.3	5.0	4.7	3.7	4.6
BRAVO 2	4.3	5.0	4.7	5.3	5.0	4.7	4.0	4.3	4.3	4.3	4.6
NAI-FQZ-17	4.0	4.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.0	4.6
NATURALLY GREEN	4.3	5.0	4.3	5.0	5.3	4.7	4.7	4.0	4.3	4.0	4.6
TOUGH (NAI-TUE)	4.7	5.0	5.0	4.3	4.7	5.0	5.0	4.3	4.7	4.0	4.6
BULLSEYE	4.3	5.0	4.0	4.7	4.7	4.7	4.7	4.3	4.7	4.0	4.5
BARNOBLE (BAR 9FE MAS)	5.3	5.0	4.7	5.0	4.3	4.3	4.7	4.3	3.7	4.7	4.4
RAD-TF131	4.7	5.0	5.0	4.7	4.7	4.7	4.3	4.3	4.3	3.7	4.4
PALOMAR	4.3	4.7	4.3	5.3	4.3	4.3	4.0	4.3	4.7	3.0	4.3
BAR FA 8228	4.7	4.7	5.0	4.7	4.3	4.3	4.3	4.0	4.0	3.7	4.2
OG-WALK	4.0	4.7	4.3	5.3	4.0	4.3	4.3	4.0	4.0	3.3	4.2
ESCALADE	4.0	4.3	4.7	4.7	4.3	4.3	4.0	4.0	4.3	3.3	4.1
KENTUCKY-31	3.0	4.0	3.0	3.0	3.0	3.3	3.0	3.0	3.0	3.0	3.0
LSD VALUE	0.9	1.0	1.3	1.2	1.0	1.0	1.0	1.1	1.0	1.2	0.6
C.V. (%)	10.6	10.8	13.0	12.0	10.4	10.4	11.2	12.1	11.1	14.1	6.9

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

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

TABLE 8.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT OLATHE, KS 1/  
2023 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/						
NAME	MAY	JUN	JUL	AUG	SEP	MEAN
HELLCAT GLR (PST-5E6)	6.0	6.0	6.3	6.0	6.3	6.1
DAYBREAK (AH2)	5.7	5.3	5.7	6.0	6.3	5.8
RS1	6.0	5.7	6.3	5.0	6.0	5.8
TITANIUM G-LS (PPG-TF 255)	6.0	5.0	6.0	5.7	6.0	5.7
XANADU (JT 268)	5.3	5.3	6.3	5.7	5.7	5.7
TEACHER (PPG-TF 313)	5.3	5.7	5.7	5.3	6.0	5.6
BONFIRE (JS DTF)	5.3	5.0	6.3	5.0	6.0	5.5
GALLARDO (DLFPS-TF/3550)	5.3	5.0	6.3	5.0	5.7	5.5
K18-RS6	5.7	5.3	5.7	4.3	6.3	5.5
NT-3	5.7	5.7	6.3	4.7	5.3	5.5
SERENADE (PPG-TF 320)	5.7	5.3	5.3	5.0	6.0	5.5
TITAN GLX (TF445)	5.3	5.3	6.0	5.3	5.7	5.5
TITAN MAX (TF456)	5.7	5.3	5.7	5.0	6.0	5.5
GLX REVIVE (PST-5GLBS)	5.7	5.0	5.7	5.0	5.7	5.4
TRIAD (PPG-TF 323)	5.3	5.3	6.0	4.7	5.7	5.4
BLADERUNNER 3 (DLFPS-321/3701)	5.3	5.0	5.7	4.7	5.7	5.3
DRAGSTER	5.3	5.3	5.7	4.7	5.3	5.3
PST-5TRN	5.7	5.3	5.3	4.7	5.3	5.3
RDC	5.3	5.3	5.3	4.7	5.7	5.3
RHL2	5.7	5.3	6.0	4.7	5.0	5.3
SPYDER 2LS (ZRC1)	5.0	5.0	6.0	4.7	5.7	5.3
FIRENZA II (PPG-TF 244)	5.7	5.0	5.3	4.3	5.7	5.2
PROVIDENCE (GO-RH20)	4.7	5.3	5.7	5.0	5.3	5.2
PST-5THM	5.3	5.3	5.3	4.7	5.3	5.2
RAPTOR LS (PPG-TF 336)	4.7	4.7	5.7	5.0	6.0	5.2
SOUTHSIDE (PPG-TF 267)	5.3	5.0	5.3	4.7	5.7	5.2
AVENGER III (PPG-TF 308)	5.7	4.7	5.3	4.7	5.3	5.1
DLFPS-321/3708	4.7	5.3	5.3	5.0	5.0	5.1
DYNAMITE G-LS (PPG-TF 254)	5.0	5.0	5.7	4.7	5.3	5.1
EXTRAVAGANZA (PST-5MCMO)	5.0	4.7	6.0	4.0	5.7	5.1
FAIRFIELD (SETF104)	5.0	5.0	5.3	4.0	6.0	5.1
FALCON SUPREME (RH1)	5.7	5.3	5.7	3.7	5.0	5.1
FINELAWN SUPREME (RH3)	5.7	5.3	5.7	4.0	5.0	5.1
HEMI	5.3	5.3	6.0	3.7	5.3	5.1
LIFEGUARD	5.3	5.0	6.0	4.3	4.7	5.1
PPG-TF 316	4.7	5.0	5.3	5.0	5.3	5.1
ROWDIER (DLFPS-321/3699)	5.7	5.3	5.0	4.3	5.0	5.1
SYMPHONY (PPG-TF 305)	5.3	5.0	5.3	4.3	5.7	5.1
ZION (BAR TF 134)	5.0	5.3	5.3	4.7	5.0	5.1
5LSS	5.0	5.0	5.3	3.7	6.0	5.0
BENTLEY (DLFPS-321/3679)	5.3	5.0	5.0	4.3	5.3	5.0
GLX ACED (PST-5DART)	5.0	5.0	5.3	4.7	5.0	5.0
RHF	5.0	4.7	5.3	4.3	5.7	5.0
ATF2116	5.5	5.5	5.0	4.0	4.5	4.9
CAPITAN (DLFPS-321/3705)	5.3	4.7	5.3	4.3	5.0	4.9

TABLE 8.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT OLATHE, KS 1/  
2023 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/						
NAME	MAY	JUN	JUL	AUG	SEP	MEAN
FASTLANE (BY-TF-169)	5.3	4.7	5.3	4.3	5.0	4.9
GALACTIC (SESCR1)	5.3	5.0	5.0	4.3	5.0	4.9
KIZZLE (K18-ROE)	5.0	5.0	5.7	4.7	4.3	4.9
OKEEFE (LTP-TF-122)	5.0	4.7	5.3	4.3	5.0	4.9
RACEWAY (DLFPS-321/3696)	5.3	4.3	5.7	4.7	4.7	4.9
RAD-TF105	5.7	5.0	5.3	4.0	4.3	4.9
RAPTOR III	5.3	4.3	5.0	4.3	5.3	4.9
ROVER (PPG-TF 306)	5.7	5.3	5.0	3.7	4.7	4.9
ATF1768	4.7	4.7	5.3	4.3	5.0	4.8
BAR FA 8228	4.7	5.0	5.7	4.0	4.7	4.8
CLASH (AH1)	4.7	4.7	5.3	4.0	5.3	4.8
DEGAS (LTP-TF-111)	5.3	4.7	5.0	4.0	5.0	4.8
EXPANSE (PPG-TF 262)	4.7	4.7	5.3	4.7	4.7	4.8
FIRECRACKER G-LS (PPG-TF 315)	5.0	5.0	5.0	4.3	4.7	4.8
FIREHAWK SLT	5.3	5.0	4.3	4.3	5.0	4.8
HOUNDG NINE (DLFPS-321/3702)	4.7	5.0	5.0	4.0	5.3	4.8
K18-WB1	5.0	4.3	5.7	3.7	5.3	4.8
RC4	4.7	4.3	5.0	4.0	6.0	4.8
3B2	4.7	4.7	5.0	4.3	4.7	4.7
BAR-FA8230	4.7	4.7	5.3	4.0	5.0	4.7
BULLSEYE LTZ	4.7	5.0	5.3	4.0	4.3	4.7
DLFPS-321/3703	4.7	4.7	5.0	4.3	4.7	4.7
DLFPS-321/3706	4.7	4.0	5.3	4.3	5.3	4.7
DLFPS-321/3707	5.0	4.3	5.0	4.0	5.0	4.7
NATURALLY GREEN	5.0	4.3	5.3	3.7	5.0	4.7
PPG-TF 318	5.0	4.7	5.0	4.0	5.0	4.7
PPG-TF 337	5.7	4.7	5.0	3.7	4.7	4.7
STEALTH (PPG-TF 238)	4.7	4.3	5.7	4.0	5.0	4.7
TANK (PPG-TF 338)	5.3	5.0	5.0	3.3	4.7	4.7
TD2	4.7	4.7	5.0	4.3	5.0	4.7
COL-TF-148	4.3	4.0	5.3	4.3	5.0	4.6
RAD-TF115 (TURBO SS)	5.0	4.7	5.0	3.7	4.7	4.6
FAYETTE	4.3	4.7	5.0	4.0	4.3	4.5
NAI-ST5	4.0	4.7	4.7	4.3	4.7	4.5
PPG-TF 249	4.3	4.0	5.0	4.3	5.0	4.5
PST-5DZM	5.0	4.7	4.7	3.7	4.3	4.5
PST-5GQ	4.7	4.3	4.7	4.0	5.0	4.5
SR 8700 (TMT1)	4.7	4.0	5.0	4.0	4.7	4.5
DLFPS-321/3693	4.7	4.3	4.7	3.7	4.7	4.4
ESSENTIAL 2 (DLFPS-TF/3552)	4.7	4.0	4.7	4.0	4.7	4.4
K18-NSE	4.7	4.7	5.0	3.7	4.0	4.4
LAFAYETTE (GO-AOMK)	4.3	4.7	4.3	4.0	4.7	4.4
LBF	4.7	4.7	5.0	3.7	4.0	4.4
RAD-TF131	4.7	4.7	4.7	3.3	4.7	4.4
SETFM3	4.7	4.0	4.7	3.7	5.0	4.4

TABLE 8.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT OLATHE, KS 1/  
2023 DATA

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

NAME	MAY	JUN	JUL	AUG	SEP	MEAN
BARNOBLE (BAR 9FE MAS)	4.7	4.3	4.3	3.7	4.3	4.3
BIRMINGHAM	4.7	4.7	4.7	3.7	3.7	4.3
DLFPS-TF/3553	4.7	4.0	4.7	4.0	4.3	4.3
ESCALADE	4.0	4.0	4.7	4.3	4.3	4.3
PST-5DC24	4.7	4.7	4.7	3.7	4.0	4.3
VALSETZ (PPG-TF 257)	4.7	3.7	4.3	4.0	5.0	4.3
BATTLE HAWK (NAI-ROS4)	4.0	3.7	4.7	3.7	5.0	4.2
BRAVO 2	4.3	4.0	4.7	3.7	4.3	4.2
DLFPS-321/3695	4.0	4.0	4.3	4.0	4.7	4.2
PADRE 2	4.3	4.7	4.7	3.7	3.7	4.2
PARAMOUNT	3.7	4.0	4.7	4.3	4.3	4.2
PST-5MINK	4.0	4.3	4.7	3.7	4.3	4.2
AST8218LM	4.3	4.3	4.3	3.3	4.0	4.1
BULLSEYE	4.3	3.7	4.7	3.3	4.3	4.1
COPIOUS TF	4.3	4.0	4.7	3.3	4.3	4.1
GRAND PRIX (FC15-01P)	4.0	4.7	4.7	3.3	4.0	4.1
JT 517	4.3	3.7	4.3	3.7	4.7	4.1
MONUMENT (PST-5SQB)	4.3	4.0	4.0	3.3	4.7	4.1
OG-WALK	4.3	3.7	4.3	3.7	4.3	4.1
ORIOLE (PST-5BYOB)	4.3	4.0	4.3	3.7	4.3	4.1
PALOMAR	4.0	3.7	4.7	4.0	4.3	4.1
PRO GOLD	4.0	4.0	4.3	3.7	4.3	4.1
TOPSHELF (BGR-TF3)	4.3	4.0	4.7	3.7	3.7	4.1
KENTUCKY-31	4.0	4.3	4.0	3.7	4.0	4.0
PPG-TF 312	4.0	4.0	4.3	3.7	4.0	4.0
BANDIT	4.3	3.7	4.3	3.3	4.0	3.9
GRO-PRO (SE53D2)	4.3	3.7	4.0	3.3	4.0	3.9
TANGO	4.7	3.7	4.3	3.0	3.7	3.9
PPG-TF 231	4.0	4.0	4.3	3.0	3.7	3.8
A-TF31	3.7	3.0	4.3	3.0	4.3	3.7
DLFPS-321/3694	3.3	3.7	4.3	3.3	4.0	3.7
JT 233	4.0	3.7	4.0	3.3	3.3	3.7
SETFM2	4.3	3.7	4.3	2.3	4.0	3.7
TOUGH (NAI-TUE)	3.3	3.7	4.3	3.3	4.0	3.7
ESTRENA	3.7	3.0	4.0	3.3	4.0	3.6
AST8118LM	3.3	3.3	3.7	3.0	4.3	3.5
ENDGAME (3N1)	3.3	3.3	4.0	3.3	3.7	3.5
GRANDE 3	3.7	3.0	4.0	2.7	4.0	3.5
MOONDANCE GLX	4.3	3.3	4.0	2.7	3.3	3.5
NAI-FQZ-17	4.0	3.7	4.0	2.3	3.7	3.5
SE5STAR	3.7	3.3	4.0	2.7	3.7	3.5
TALLADEGA II (NAI-3N2)	3.7	3.0	3.7	3.3	4.0	3.5
LSD VALUE	1.5	1.8	1.5	1.5	1.4	1.0
C.V. (%)	16.0	18.3	15.2	19.2	15.6	12.6

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

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

TABLE 9.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2023 DATA

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

NAME	WEAR TOLERANCE			QUALITY RATINGS								
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DRAGSTER	6.0	5.0	5.7	5.7	6.3	6.3	6.7	6.3	6.3	6.0	5.7	6.2
PRO GOLD	5.3	5.0	4.7	6.7	6.7	6.0	6.0	6.0	6.0	6.7	5.3	6.2
TRIAD (PPG-TF 323)	5.0	5.3	5.7	6.0	6.3	6.0	6.0	6.7	6.7	6.3	5.3	6.2
BONFIRE (JS DTT)	4.7	4.7	5.0	6.0	6.0	6.0	6.0	6.3	6.7	6.7	5.3	6.1
K18-RS6	5.3	5.3	5.7	6.3	5.7	6.0	6.3	6.7	6.3	6.3	5.0	6.1
ROVER (PPG-TF 306)	5.3	5.3	5.3	6.0	7.0	6.3	5.7	5.7	6.3	6.0	5.7	6.1
SPYDER 2LS (ZRC1)	6.3	5.7	6.0	6.0	6.7	5.7	5.3	6.7	6.3	6.3	6.0	6.1
BENTLEY (DLFPS-321/3679)	5.0	4.3	4.0	6.3	6.3	6.3	5.7	6.3	5.7	6.0	5.7	6.0
DAYBREAK (AH2)	6.0	5.3	6.0	6.7	5.7	6.0	6.0	6.3	5.7	6.0	6.0	6.0
FINELAWN SUPREME (RH3)	4.7	5.7	5.7	6.0	6.0	5.7	6.0	6.7	6.0	5.7	5.7	6.0
PPG-TF 316	5.7	4.7	5.0	5.7	6.3	6.0	5.3	6.3	6.3	6.3	5.7	6.0
PROVIDENCE (GO-RH20)	5.3	4.7	5.3	5.3	6.3	6.3	6.7	6.0	6.0	6.3	5.3	6.0
TALLADEGA II (NAI-3N2)	5.0	5.0	5.3	6.3	6.0	5.7	5.3	6.3	6.0	6.3	5.7	6.0
GLX REVIVE (PST-5GLBS)	5.0	5.0	5.3	6.0	5.7	5.7	5.7	5.7	6.3	6.3	6.0	5.9
HEMI	4.7	4.3	5.0	6.7	6.3	5.7	6.3	5.7	6.0	5.3	5.3	5.9
PARAMOUNT	4.3	4.3	5.0	5.7	6.7	6.0	5.7	6.0	6.0	5.7	5.3	5.9
PPG-TF 231	5.7	5.7	5.0	5.7	6.0	5.3	5.0	6.3	6.3	6.7	5.7	5.9
BATTLE HAWK (NAI-ROS4)	5.0	5.0	5.7	5.7	6.3	5.7	5.7	6.0	6.0	5.7	5.3	5.8
DEGAS (LTP-TF-111)	4.7	5.0	4.7	5.7	6.0	5.3	6.7	5.7	6.7	5.3	5.0	5.8
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	4.3	5.0	6.0	6.0	6.0	6.0	6.0	5.3	5.7	5.7	5.8
EXPANSE (PPG-TF 262)	5.0	3.7	4.7	5.0	5.7	5.3	5.7	6.7	6.3	6.7	5.0	5.8
FALCON SUPREME (RH1)	4.3	4.0	4.3	6.0	6.0	5.7	5.7	5.7	5.3	5.7	6.0	5.8
GLX ACED (PST-5DART)	5.3	5.7	5.7	6.3	6.0	5.3	5.7	6.0	5.7	5.7	5.3	5.8
OKEEFE (LTP-TF-122)	4.0	5.0	5.3	5.3	6.0	5.7	6.0	5.7	6.3	5.3	5.7	5.8
PPG-TF 249	5.7	5.7	5.3	6.0	6.0	6.3	5.7	6.0	5.7	5.7	5.3	5.8
PPG-TF 318	5.3	4.7	5.0	6.7	6.0	5.3	6.0	5.7	5.7	5.3	6.0	5.8
RACEWAY (DLFPS-321/3696)	6.0	5.3	5.3	6.3	6.3	5.7	6.0	6.0	5.7	5.7	5.0	5.8
RAPTOR LS (PPG-TF 336)	5.3	5.3	5.7	5.7	5.7	5.7	5.3	6.0	7.0	5.7	5.3	5.8
RC4	4.7	4.3	5.3	5.0	5.7	5.0	5.7	6.7	6.3	6.3	5.7	5.8
SOUTHSIDE (PPG-TF 267)	6.7	5.7	5.3	5.7	6.3	5.3	5.3	6.7	5.7	5.7	5.3	5.8
SR 8700 (TMT1)	6.3	5.3	5.7	6.0	6.0	5.7	5.7	5.7	5.7	6.0	5.7	5.8
STEALTH (PPG-TF 238)	5.3	5.0	5.7	6.3	6.3	5.3	5.3	5.7	6.0	6.0	5.7	5.8
XANADU (JT 268)	5.3	5.0	5.3	6.0	6.3	5.7	6.0	5.7	5.3	5.3	5.7	5.8
BLADERUNNER 3 (DLFPS-321/3701)	6.0	5.0	5.0	5.3	5.3	5.3	5.0	6.3	6.0	6.3	5.7	5.7
CLASH (AH1)	5.7	6.0	6.3	5.3	5.3	5.7	5.3	6.3	5.3	6.3	6.0	5.7
DYNAMITE G-LS (PPG-TF 254)	5.7	5.3	5.7	6.3	5.7	5.7	5.7	5.7	5.3	5.3	5.7	5.7
FIRECRACKER G-LS (PPG-TF 315)	5.7	5.3	5.0	6.0	6.3	6.0	5.7	5.3	5.3	5.3	5.3	5.7
JT 233	5.3	5.0	5.7	6.0	5.3	5.3	6.0	6.3	5.3	5.7	5.3	5.7
NT-3	6.0	4.7	5.0	5.3	6.3	6.3	5.3	5.7	5.3	5.3	5.7	5.7
PST-5MINK	5.0	4.7	4.7	6.7	5.7	5.7	5.7	5.7	5.7	5.7	4.7	5.7
RAPTOR III	5.7	5.3	5.3	6.0	5.3	5.3	6.0	5.3	6.0	6.0	5.3	5.7
RDC	4.7	4.0	4.7	6.0	5.7	5.7	5.7	6.0	5.3	5.3	6.0	5.7
RHL2	6.3	4.7	4.7	5.3	6.0	5.3	5.0	6.0	6.0	6.3	5.3	5.7
ROWDIER (DLFPS-321/3699)	4.7	4.7	4.3	5.7	6.3	5.3	5.3	5.7	6.0	5.7	5.7	5.7
SERENADE (PPG-TF 320)	4.3	5.0	5.3	5.3	6.0	5.7	5.3	6.0	5.7	5.7	6.0	5.7

TABLE 9.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2023 DATA

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

NAME	WEAR TOLERANCE			QUALITY RATINGS									MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
TITAN GLX (TF445)	5.3	5.0	4.7	5.7	6.0	5.3	5.3	5.7	6.0	6.0	5.3	5.7	
TITAN MAX (TF456)	4.3	4.7	5.0	5.3	5.7	5.3	5.7	6.3	6.0	6.0	5.3	5.7	
3B2	4.0	4.3	4.3	5.3	6.0	6.0	5.7	5.3	6.0	5.7	5.0	5.6	
5LSS	4.7	4.7	4.3	5.0	5.7	5.7	5.3	6.0	6.3	5.7	5.0	5.6	
BULLSEYE	4.7	5.0	4.7	5.3	6.0	5.3	5.3	5.7	6.0	6.0	5.3	5.6	
BULLSEYE LTZ	5.3	4.0	5.0	6.0	6.0	5.3	5.3	6.0	5.0	5.3	5.7	5.6	
CAPITAN (DLFPS-321/3705)	5.0	5.3	5.0	6.0	5.7	5.3	6.0	5.7	5.7	5.7	5.0	5.6	
COL-TF-148	5.0	5.3	5.3	5.7	5.7	5.7	5.3	5.7	6.3	5.7	5.0	5.6	
DLFPS-321/3694	4.7	5.3	5.7	5.0	5.3	5.3	4.7	5.7	6.7	6.3	5.7	5.6	
DLFPS-321/3703	5.0	4.3	5.0	5.3	5.3	5.3	5.3	6.0	6.0	6.0	5.7	5.6	
DLFPS-TF/3553	4.7	5.3	5.3	5.0	5.7	5.3	5.3	6.3	5.7	6.0	5.3	5.6	
HOUNDOG NINE (DLFPS-321/3702)	5.7	5.0	5.0	5.3	6.0	6.0	5.3	5.3	5.7	5.7	5.3	5.6	
ORIOLE (PST-5BYOB)	5.7	6.0	5.3	6.0	5.3	5.0	5.3	5.7	6.0	5.7	5.7	5.6	
RAD-TF105	4.0	4.7	5.0	5.0	5.7	5.7	5.7	6.0	6.0	5.7	5.3	5.6	
RS1	5.3	6.3	5.7	5.7	6.3	6.3	5.3	5.3	5.3	5.3	5.3	5.6	
TANK (PPG-TF 338)	4.7	5.3	5.7	5.3	5.0	5.3	5.3	6.0	6.7	6.0	5.3	5.6	
TEACHER (PPG-TF 313)	5.3	5.3	4.3	6.0	5.3	5.0	5.0	5.7	6.3	6.0	5.7	5.6	
ATF1768	5.3	5.0	4.0	5.7	5.3	5.3	5.3	5.7	5.7	6.0	5.3	5.5	
DLFPS-321/3707	5.0	4.7	5.0	6.0	5.7	5.0	5.3	5.3	5.3	5.3	5.7	5.5	
ESTRENA	5.0	3.7	4.0	6.0	5.3	5.3	5.3	6.0	5.7	5.7	5.0	5.5	
FIREHAWK SLT	4.3	4.7	5.3	5.0	5.3	5.0	4.7	5.3	6.3	6.7	5.3	5.5	
FIRENZA II (PPG-TF 244)	5.3	5.3	5.3	5.7	5.3	5.3	5.3	6.0	6.0	5.3	5.3	5.5	
GALACTIC (SESCR1)	5.7	5.3	5.7	5.3	5.0	5.3	5.0	5.7	6.3	6.0	5.3	5.5	
GRANDE 3	4.7	4.3	4.7	5.0	5.3	5.3	5.3	5.7	5.7	6.0	5.3	5.5	
K18-NSE	4.7	4.3	5.0	5.0	5.3	5.3	5.0	6.0	6.3	6.3	5.0	5.5	
K18-WB1	6.0	6.0	5.7	5.0	5.3	5.0	5.3	5.7	6.0	6.0	6.0	5.5	
LIFEGUARD	5.7	5.0	5.0	6.0	5.7	5.3	5.7	5.3	5.7	5.7	5.0	5.5	
PPG-TF 337	5.0	5.3	5.0	5.7	5.7	5.0	5.3	5.7	5.7	5.7	5.3	5.5	
PST-5DZM	5.3	5.3	4.7	5.3	5.7	5.3	5.0	6.0	5.7	5.7	5.3	5.5	
PST-5GQ	5.0	4.7	4.7	5.7	5.3	5.7	5.7	5.3	5.3	6.0	5.0	5.5	
SYMPHONY (PPG-TF 305)	4.3	4.3	4.3	5.7	6.3	5.3	5.3	5.3	5.3	5.3	5.7	5.5	
TD2	4.7	5.0	5.7	5.3	6.0	5.7	5.0	5.3	5.3	5.3	5.7	5.5	
TITANIUM G-LS (PPG-TF 255)	4.7	5.0	4.7	5.3	5.3	5.3	5.3	5.7	5.7	5.7	5.7	5.5	
VALSETZ (PPG-TF 257)	5.0	4.3	4.7	5.7	5.3	5.7	5.3	5.7	5.3	5.7	5.3	5.5	
GRO-PRO (SE53D2)	5.0	4.7	4.7	5.3	5.3	5.0	5.0	5.3	6.3	5.7	5.3	5.4	
HELLCAT GLR (PST-5E6)	4.7	4.3	5.3	5.0	6.0	5.3	5.3	5.3	5.7	5.3	5.0	5.4	
MOONDANCE GLX	4.7	4.0	4.7	6.0	6.0	5.7	5.0	5.0	5.0	5.3	5.3	5.4	
TOUGH (NAI-TUE)	5.3	4.7	4.7	5.3	5.3	5.0	5.3	5.7	5.7	5.3	5.7	5.4	
AVENGER III (PPG-TF 308)	5.0	4.7	5.0	5.3	5.7	5.3	5.0	5.3	5.7	5.3	5.0	5.3	
KIZZLE (K18-ROE)	5.0	4.7	4.7	5.7	5.0	5.3	5.0	5.3	5.3	5.0	5.7	5.3	
NAI-ST5	5.0	5.0	5.0	5.3	5.0	5.0	5.3	5.7	5.3	5.3	5.3	5.3	
PADRE 2	5.3	5.3	5.3	5.3	6.0	5.3	5.3	5.0	5.0	5.3	5.3	5.3	
RHF	4.7	4.3	5.0	5.3	5.3	5.0	5.3	6.3	5.0	5.0	4.7	5.3	
SE5STAR	6.0	5.3	6.3	5.0	5.0	5.0	5.3	5.7	5.7	5.7	5.0	5.3	
ZION (BAR TF 134)	5.0	4.7	4.3	5.7	5.0	5.3	5.3	5.7	5.3	5.3	5.0	5.3	



TABLE 9.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2023 DATA

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

NAME	WEAR TOLERANCE			QUALITY RATINGS								MEAN
	MAY	JULY	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
ESCALADE	5.7	5.3	5.3	5.7	5.0	4.7	5.7	4.7	5.0	5.3	5.7	5.2
EXTRAVAGANZA (PST-5MCMO)	5.0	4.3	4.0	5.3	5.0	5.3	5.0	5.0	5.3	5.3	5.0	5.2
FAIRFIELD (SETF104)	5.3	4.7	4.7	5.0	5.3	4.7	5.0	5.7	5.7	5.3	5.0	5.2
FAYETTE	6.3	5.3	5.7	5.0	5.3	5.0	5.3	5.3	5.0	5.0	5.3	5.2
JT 517	4.3	5.0	4.3	4.7	5.3	5.7	5.3	5.7	4.7	4.7	5.3	5.2
MONUMENT (PST-5SQB)	4.7	5.3	5.0	5.0	5.3	5.3	5.0	5.3	5.3	5.3	5.0	5.2
NATURALLY GREEN	5.3	5.0	5.3	5.0	5.0	5.0	4.7	5.7	5.3	5.3	5.7	5.2
PPG-TF 312	4.7	4.7	4.3	4.7	5.0	5.3	5.0	5.3	5.7	5.7	4.7	5.2
PST-5DC24	5.3	4.7	4.7	5.3	5.3	5.0	5.0	5.3	5.0	5.3	5.3	5.2
A-TF31	5.3	5.0	5.7	4.7	5.3	4.7	5.0	4.7	5.0	5.7	5.7	5.1
BANDIT	6.3	5.7	6.0	4.7	5.0	5.0	4.7	5.0	5.3	5.3	5.7	5.1
COPIOUS TF	5.0	4.3	5.0	5.0	5.3	5.0	5.0	5.0	5.0	5.0	5.3	5.1
DLFPS-321/3693	4.7	4.3	5.0	4.7	5.0	5.3	4.3	5.7	5.3	5.0	5.3	5.1
DLFPS-321/3695	5.0	4.7	4.3	5.0	5.0	5.3	4.7	5.0	5.3	5.3	5.3	5.1
DLFPS-321/3706	5.0	4.3	4.7	4.7	5.0	5.3	5.0	5.0	5.7	5.0	5.3	5.1
DLFPS-321/3708	5.0	5.0	5.0	5.0	5.0	5.0	5.7	5.0	4.7	5.0	5.7	5.1
FASTLANE (BY-TF-169)	5.3	5.3	5.3	5.0	5.3	5.0	5.0	5.0	5.0	5.0	5.3	5.1
GALLARDO (DLFPS-TF/3550)	5.3	4.7	5.0	4.7	5.0	4.7	5.3	5.0	5.7	5.3	5.3	5.1
LAFAYETTE (GO-AOMK)	4.7	4.3	4.7	4.3	5.3	5.3	5.0	5.0	5.0	5.0	5.7	5.1
PST-5THM	4.3	5.0	4.0	5.3	5.3	5.0	4.7	5.0	5.7	5.0	5.0	5.1
RAD-TF131	5.0	4.3	4.7	4.7	5.0	5.3	5.0	5.3	5.0	5.3	5.0	5.1
SETFM2	5.3	5.7	5.7	5.0	5.3	5.0	4.7	5.3	5.3	4.7	5.3	5.1
TANGO	4.7	4.3	4.0	5.0	5.7	5.0	4.3	5.0	5.3	5.3	5.3	5.1
TOPSHELF (BGR-TF3)	6.0	5.7	5.3	4.7	5.3	5.0	5.0	5.3	5.0	5.0	5.7	5.1
AST8118LM	6.0	4.7	4.3	5.0	5.7	5.0	5.0	5.0	4.7	4.7	5.3	5.0
BAR-FA8230	5.3	5.7	4.3	4.7	5.3	5.0	5.0	4.3	5.3	5.3	5.0	5.0
BIRMINGHAM	4.3	4.7	5.0	5.0	5.0	4.7	4.7	5.0	5.0	5.0	5.7	5.0
BRAVO 2	5.0	5.3	4.3	4.7	5.0	4.7	4.7	5.0	5.3	5.3	5.3	5.0
ENDGAME (3N1)	6.0	5.3	5.0	4.7	5.0	4.7	4.7	5.7	5.3	5.3	5.0	5.0
GRAND PRIX (FC15-01P)	6.3	5.0	4.7	5.0	5.0	5.0	5.0	4.7	5.0	5.0	5.7	5.0
NAI-FQZ-17	5.3	4.3	4.7	4.7	5.0	4.7	5.3	5.0	5.0	5.0	5.0	5.0
SETFM3	5.0	5.3	4.7	4.7	5.0	4.7	4.7	5.0	5.7	5.0	5.7	5.0
AST8218LM	6.3	5.0	4.3	5.0	5.7	4.7	4.7	4.7	4.7	5.0	4.7	4.9
ATF2116	5.3	4.7	4.7	4.7	4.7	5.0	4.3	5.0	5.7	5.0	5.0	4.9
LBF	5.3	5.0	5.0	4.7	5.7	4.7	4.7	4.7	4.7	4.7	5.7	4.9
RAD-TF115 (TURBO SS)	5.3	5.0	5.0	4.3	5.3	5.0	5.0	5.0	5.0	4.7	5.0	4.9
BAR FA 8228	4.3	4.3	4.0	4.7	5.0	4.7	4.7	4.7	4.3	5.0	5.0	4.8
PALOMAR	5.3	5.3	4.0	5.0	5.3	4.3	4.7	4.3	4.7	5.0	4.3	4.7
PST-5TRN	5.3	5.3	4.7	4.3	4.7	4.7	4.7	5.0	5.0	4.7	4.7	4.7
OG-WALK	5.3	5.3	4.3	4.0	4.7	4.7	4.0	4.3	4.3	4.3	4.3	4.3
BARNOBLE (BAR 9FE MAS)	4.7	4.0	3.7	4.0	4.3	4.3	3.7	4.3	4.0	4.0	4.0	4.1
KENTUCKY-31	3.0	3.3	3.0	2.0	2.3	2.0	2.0	3.3	2.3	2.0	2.3	2.3
LSD VALUE	1.3	1.3	1.0	1.1	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.6
C.V. (%)	13.1	13.2	11.6	11.7	9.7	10.2	10.0	9.7	10.6	9.7	9.1	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 10.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT COLLEGE PARK, MD 1/  
2023 DATA

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

NAME	SPRING									MEAN
	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DLFPS-321/3707	8.3	8.0	7.7	8.0	7.3	7.0	8.0	8.0	8.0	7.8
EXPANSE (PPG-TF 262)	8.0	8.0	8.0	8.0	7.3	7.0	8.0	8.0	8.3	7.8
ROVER (PPG-TF 306)	8.0	8.3	7.7	8.0	7.7	7.0	8.0	7.7	8.0	7.8
STEALTH (PPG-TF 238)	8.0	8.0	8.0	7.3	7.7	7.0	8.0	7.7	8.3	7.8
TRIAD (PPG-TF 323)	7.7	8.0	7.7	8.0	7.7	7.0	8.0	7.7	8.3	7.8
XANADU (JT 268)	7.7	8.0	8.0	8.0	7.7	7.0	8.0	7.7	8.0	7.8
AVENGER III (PPG-TF 308)	8.3	7.7	7.7	8.0	7.3	7.0	7.7	8.0	8.3	7.7
BONFIRE (JS DTT)	7.7	8.0	7.7	8.0	7.0	7.3	8.0	7.7	8.0	7.7
DEGAS (LTP-TF-111)	8.0	8.0	7.7	7.3	7.3	7.0	8.0	8.0	8.0	7.7
DLFPS-321/3706	8.0	8.0	8.0	8.0	7.0	7.0	8.0	7.7	8.0	7.7
FASTLANE (BY-TF-169)	7.7	8.0	8.0	7.7	7.0	7.3	7.7	7.7	8.0	7.7
FIRENZA II (PPG-TF 244)	8.3	8.0	8.0	7.7	7.0	7.0	7.7	7.3	8.7	7.7
GALACTIC (SESCR1)	8.3	8.0	7.7	7.7	7.3	7.0	8.0	7.7	8.3	7.7
K18-WB1	8.7	8.0	7.7	7.7	7.3	7.0	7.7	8.0	8.0	7.7
NT-3	8.0	8.0	8.0	8.0	7.7	7.0	7.7	7.3	7.7	7.7
SERENADE (PPG-TF 320)	8.0	8.0	7.7	7.3	7.3	7.0	8.0	8.0	8.0	7.7
SYMPHONY (PPG-TF 305)	7.3	8.0	8.0	7.7	7.0	7.0	7.7	7.7	8.3	7.7
BULLSEYE LTZ	7.0	8.0	8.0	7.7	7.0	7.0	7.7	7.3	8.0	7.6
COL-TF-148	8.3	8.0	7.7	7.3	7.0	7.0	7.7	8.0	8.0	7.6
DAYBREAK (AH2)	8.3	8.0	7.7	7.7	7.0	7.0	8.0	7.3	8.3	7.6
DLFPS-321/3708	7.7	8.3	8.0	7.7	6.7	7.0	7.7	7.3	8.0	7.6
FIREHAWK SLT	7.7	8.0	7.7	7.7	7.3	7.0	8.0	7.3	8.0	7.6
K18-RS6	8.0	8.0	8.0	7.3	7.0	7.0	7.7	8.0	7.7	7.6
NAI-ST5	7.3	8.0	8.0	8.0	7.3	7.0	7.3	7.3	8.0	7.6
PPG-TF 316	8.0	8.0	8.0	7.7	7.3	7.0	7.3	7.3	8.3	7.6
PPG-TF 337	8.7	8.0	8.0	7.3	7.0	7.0	8.0	7.3	8.0	7.6
PROVIDENCE (GO-RH20)	8.3	8.0	7.7	7.7	7.3	7.3	7.3	7.7	8.0	7.6
RHL2	7.7	8.0	8.0	8.0	7.3	7.0	7.3	7.3	8.0	7.6
SOUTHSIDE (PPG-TF 267)	7.0	8.0	7.3	7.7	7.0	7.0	7.7	7.7	8.3	7.6
TITANIUM G-LS (PPG-TF 255)	7.7	7.7	8.0	7.7	7.0	7.0	8.0	7.0	8.3	7.6
BENTLEY (DLFPS-321/3679)	7.7	8.0	7.7	7.7	7.0	7.0	7.7	7.3	8.0	7.5
CAPITAN (DLFPS-321/3705)	8.0	8.0	7.7	7.3	7.0	7.0	7.7	7.3	8.0	7.5
CLASH (AH1)	8.0	7.7	7.3	7.7	7.7	7.0	7.0	7.7	8.0	7.5
DLFPS-321/3693	8.3	7.7	7.7	8.0	7.3	7.3	7.0	7.3	8.0	7.5
DLFPS-321/3694	8.7	8.0	7.7	7.3	7.0	7.0	7.7	7.3	8.0	7.5
DLFPS-321/3695	8.3	8.0	7.7	7.3	7.7	7.3	7.0	7.3	7.7	7.5
DLFPS-TF/3553	7.7	8.0	7.7	7.7	7.0	7.0	7.0	7.7	8.0	7.5
FALCON SUPREME (RH1)	8.3	8.0	7.7	7.7	7.3	6.7	7.0	7.3	8.0	7.5
FIRECRACKER G-LS (PPG-TF 315)	8.0	8.0	7.7	7.7	7.3	6.7	7.7	7.7	7.7	7.5
GALLARDO (DLFPS-TF/3550)	8.7	8.3	7.7	7.7	7.0	7.0	7.3	7.7	7.7	7.5
GRANDE 3	8.7	8.0	7.7	7.7	7.0	7.0	7.7	7.3	7.7	7.5
HOUND OG NINE (DLFPS-321/3702)	7.3	7.7	7.7	7.7	7.3	7.0	7.7	7.7	7.3	7.5
K18-NSE	8.3	8.0	7.3	7.3	7.7	7.0	7.7	7.7	7.7	7.5
LIFEGUARD	7.7	8.0	8.0	7.7	7.0	6.7	7.3	7.7	8.0	7.5
OKEEFE (LTP-TF-122)	8.0	8.0	7.7	7.0	7.0	7.0	7.7	7.3	8.0	7.5

TABLE 10.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT COLLEGE PARK, MD 1/  
2023 DATA

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

NAME	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PADRE 2	8.0	8.0	7.7	7.0	7.3	7.0	7.7	7.0	8.0	7.5
PPG-TF 231	8.0	8.0	7.7	7.7	7.0	7.0	7.0	7.7	8.0	7.5
PPG-TF 312	7.7	7.3	7.7	7.3	7.0	7.0	8.0	7.7	8.0	7.5
RAPTOR LS (PPG-TF 336)	8.0	7.7	7.7	7.3	7.7	7.0	7.3	7.3	7.7	7.5
RC4	7.3	8.0	7.7	8.0	7.0	7.0	7.0	7.7	8.0	7.5
ROWDIER (DLFPS-321/3699)	7.7	8.0	7.7	7.7	7.0	6.7	7.3	7.7	8.0	7.5
RS1	8.3	8.0	8.0	7.3	7.3	7.0	7.7	7.0	8.0	7.5
SPYDER 2LS (ZRC1)	8.0	8.0	7.7	7.0	7.3	6.7	8.0	7.7	8.0	7.5
TANK (PPG-TF 338)	7.3	7.7	7.7	7.0	7.3	7.0	8.0	7.3	8.0	7.5
TD2	8.0	7.7	7.7	7.7	6.7	7.0	7.7	7.7	8.0	7.5
TEACHER (PPG-TF 313)	8.7	8.0	7.7	7.3	7.3	6.7	7.7	7.3	8.0	7.5
TITAN MAX (TF456)	8.3	8.0	7.7	7.7	7.0	7.0	7.0	7.7	8.0	7.5
VALSETZ (PPG-TF 257)	8.3	7.7	8.0	7.7	7.0	7.0	7.3	7.3	8.0	7.5
ZION (BAR TF 134)	7.7	7.7	7.7	7.3	7.0	7.3	7.3	7.7	8.3	7.5
BATTLE HAWK (NAI-ROS4)	7.3	7.7	7.3	7.3	7.7	7.0	7.0	7.3	7.7	7.4
BLADERUNNER 3 (DLFPS-321/3701)	8.0	8.0	7.3	7.0	7.0	7.0	7.3	7.7	7.7	7.4
DRAGSTER	8.0	8.0	7.3	7.0	7.3	7.0	7.7	7.3	7.7	7.4
DYNAMITE G-LS (PPG-TF 254)	8.0	8.0	7.3	7.3	7.0	6.7	7.7	7.3	7.7	7.4
ESSENTIAL 2 (DLFPS-TF/3552)	7.7	8.0	7.7	7.3	7.0	6.7	7.0	7.7	8.0	7.4
HEMI	7.7	8.0	7.7	7.3	7.3	7.0	7.7	7.0	7.3	7.4
PARAMOUNT	8.0	7.7	7.3	7.3	7.3	7.0	7.0	7.7	7.7	7.4
PPG-TF 318	8.0	8.0	7.3	7.3	7.3	7.0	7.0	7.3	8.0	7.4
RAPTOR III	7.7	7.7	8.0	7.3	7.0	7.0	7.7	7.0	7.7	7.4
RHF	8.3	7.7	8.0	7.0	7.3	7.0	7.0	7.3	7.7	7.4
TITAN GLX (TF445)	8.3	8.0	7.7	7.7	6.7	7.0	7.0	7.3	8.0	7.4
3B2	8.3	7.7	7.3	7.0	7.0	7.0	7.3	7.0	7.7	7.3
5LSS	8.7	7.7	7.3	7.0	6.7	6.7	7.3	8.0	7.3	7.3
A-TF31	7.7	7.7	7.7	7.0	7.0	7.0	7.0	7.0	8.0	7.3
DLFPS-321/3703	8.0	7.7	8.0	7.0	7.0	6.7	7.0	7.3	7.3	7.3
EXTRAVAGANZA (PST-5MCMO)	8.0	7.7	7.3	7.3	7.0	6.7	7.3	7.3	8.0	7.3
FINELAWN SUPREME (RH3)	7.7	7.7	7.0	7.0	7.0	7.0	7.7	7.3	7.7	7.3
GLX REVIVE (PST-5GLBS)	7.7	7.7	7.3	7.0	7.0	7.0	7.0	7.3	7.7	7.3
KIZZLE (K18-ROE)	7.7	7.7	7.7	7.0	7.0	7.0	7.0	7.3	7.7	7.3
PPG-TF 249	7.7	7.3	7.3	7.7	6.7	7.0	7.3	7.0	7.7	7.3
RACEWAY (DLFPS-321/3696)	7.7	8.0	7.3	7.3	7.0	7.0	7.3	7.3	7.3	7.3
RAD-TF105	8.0	8.0	7.0	7.3	6.7	6.7	7.3	7.3	8.0	7.3
RDC	8.3	7.7	7.3	7.3	6.7	6.7	7.3	7.7	8.0	7.3
TALLADEGA II (NAI-3N2)	8.0	7.7	7.7	7.0	7.0	7.0	7.3	7.3	7.7	7.3
TOUGH (NAI-TUE)	7.0	7.7	7.3	7.7	7.0	7.0	7.0	7.0	7.3	7.3
ATF1768	7.0	8.0	7.0	7.3	6.7	6.7	7.0	7.3	7.7	7.2
BRAVO 2	7.7	7.3	7.3	7.3	6.7	6.7	7.3	7.0	7.7	7.2
ENDGAME (3N1)	7.3	8.0	7.3	7.3	6.7	7.0	7.0	7.0	7.3	7.2
GLX ACED (PST-5DART)	7.7	8.0	7.3	7.0	7.0	7.0	7.0	7.3	7.0	7.2
JT 233	7.3	7.7	7.0	7.3	6.7	6.7	7.0	7.3	7.7	7.2
ORIOLE (PST-5BYOB)	7.7	8.0	7.3	7.3	7.0	6.7	7.0	7.0	7.0	7.2

TABLE 10. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) IN THE 2018 NATIONAL TALL FESCUE TEST AT COLLEGE PARK, MD 1/  
 2023 DATA

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

NAME	SPRING GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PST-5DZM	7.0	8.0	7.3	7.0	6.7	6.7	7.0	7.0	7.7	7.2
PST-5TRN	7.3	7.7	7.3	7.0	7.0	6.7	7.7	7.0	7.3	7.2
RAD-TF131	7.3	7.7	7.3	7.0	7.0	6.7	7.0	7.0	7.7	7.2
SE5STAR	7.7	7.3	7.3	7.0	7.0	7.0	7.3	7.0	7.3	7.2
ESTRENA	8.0	7.7	7.3	7.0	7.0	6.7	7.0	7.0	7.3	7.1
FAIRFIELD (SETF104)	7.7	8.0	7.0	7.0	6.7	6.3	7.0	7.0	7.7	7.1
HELLCAT GLR (PST-5E6)	7.7	7.3	7.0	7.3	7.0	6.3	7.3	7.0	7.7	7.1
JT 517	7.7	7.7	7.3	7.3	6.7	6.7	7.0	7.0	7.0	7.1
PRO GOLD	7.7	7.3	7.0	7.0	7.0	6.7	7.0	7.0	7.7	7.1
PST-5DC24	7.3	7.3	7.3	7.3	6.7	6.7	7.0	7.0	7.3	7.1
PST-5GQ	7.3	7.7	7.7	7.0	7.0	6.7	7.0	7.0	7.0	7.1
FAYETTE	7.7	7.7	7.0	7.0	6.7	6.7	7.0	7.0	7.0	7.0
GRO-PRO (SE53D2)	7.3	7.3	7.0	7.3	7.0	6.7	6.7	6.7	7.0	7.0
LAFAYETTE (GO-AOMK)	7.0	7.7	7.7	7.3	6.0	6.3	7.0	7.0	7.3	7.0
LBF	6.7	7.7	7.0	7.0	6.7	6.7	7.0	7.0	7.3	7.0
MONUMENT (PST-5SQB)	7.7	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0
MOONDANCE GLX	7.0	7.7	7.0	7.0	6.7	6.3	7.0	7.0	7.0	7.0
PST-5MINK	7.0	7.3	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0
PST-5THM	7.7	7.7	7.0	7.0	6.7	6.7	7.0	7.0	7.3	7.0
RAD-TF115 (TURBO SS)	7.0	7.3	7.0	7.0	6.7	6.7	6.7	7.0	7.7	7.0
SR 8700 (TMT1)	7.3	7.7	7.0	7.0	6.3	6.3	7.0	7.0	7.3	7.0
TANGO	7.0	7.3	7.3	7.0	6.7	6.7	7.0	7.0	7.3	7.0
ATF2116	7.3	7.3	7.0	7.0	6.3	6.0	7.0	7.0	7.3	6.9
BARNOBLE (BAR 9FE MAS)	8.3	7.3	7.0	6.7	6.7	6.3	7.0	7.0	7.0	6.9
BIRMINGHAM	7.0	7.0	7.0	7.0	6.7	6.7	7.0	6.7	7.0	6.9
COPIOUS TF	6.7	8.0	7.0	7.3	6.0	6.3	6.3	7.0	7.0	6.9
AST8118LM	7.0	7.3	7.0	6.7	6.3	6.3	7.0	7.0	7.0	6.8
AST8218LM	6.7	7.3	7.0	7.3	6.3	6.3	6.7	6.7	7.0	6.8
BANDIT	7.3	7.0	7.0	7.3	6.3	6.7	6.3	7.0	7.0	6.8
BAR FA 8228	8.0	7.0	7.0	6.7	6.7	6.0	7.0	7.0	7.0	6.8
BAR-FA8230	7.3	7.0	7.0	7.0	6.0	6.3	7.0	7.0	7.0	6.8
GRAND PRIX (FC15-01P)	7.7	7.3	7.0	7.0	6.7	6.3	6.3	6.7	7.0	6.8
NAI-FQZ-17	7.0	7.3	7.0	7.0	6.0	6.3	6.7	7.0	7.3	6.8
NATURALLY GREEN	7.7	7.7	7.0	7.0	6.7	6.3	6.0	7.0	7.0	6.8
SETFM3	7.7	7.3	6.7	7.0	6.7	6.7	7.0	6.7	6.7	6.8
TOPSHELFF (BGR-TF3)	7.0	7.3	7.0	7.0	5.7	6.0	6.7	7.0	7.3	6.8
BULLSEYE	7.7	7.0	6.7	6.7	6.3	6.3	6.3	6.7	6.7	6.6
ESCALADE	8.0	7.0	7.0	6.3	6.0	6.0	6.7	7.0	7.0	6.6
OG-WALK	7.7	7.0	7.0	6.3	6.3	6.3	6.0	6.3	6.7	6.5
SETFM2	7.3	7.0	6.7	6.3	5.7	6.3	6.7	6.3	7.0	6.5
PALOMAR	8.0	6.7	6.7	6.7	6.0	6.0	6.3	6.3	6.7	6.4
KENTUCKY-31	7.7	5.0	5.3	5.0	5.0	5.0	4.7	5.3	5.0	5.0
LSD VALUE	1.0	0.7	0.8	0.8	0.7	0.8	0.7	0.8	0.7	0.4
C.V. (%)	6.9	5.2	6.0	6.0	6.1	6.0	6.0	6.1	5.6	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 11.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT EAST LANSING, MI 1/  
2023 DATA

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

NAME	GENETIC	LEAF	DENSITY	QUALITY RATINGS						
	COLOR	TEXTURE	FALL	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
CAPITAN (DLFPS-321/3705)	7.7	5.7	9.0	5.3	7.0	7.0	7.7	7.7	7.7	7.1
ESTRENA	7.0	6.0	9.0	5.7	6.7	7.0	7.3	7.7	7.0	6.9
EXPANSE (PPG-TF 262)	7.3	5.3	9.0	5.7	7.0	7.0	7.3	7.3	7.0	6.9
NAI-ST5	7.0	6.0	9.0	5.7	7.0	7.0	7.0	7.7	7.0	6.9
PST-5DC24	7.0	4.3	9.0	5.7	7.0	7.3	7.3	7.3	6.7	6.9
RACEWAY (DLFPS-321/3696)	7.0	5.3	9.0	6.3	7.0	7.0	7.0	7.3	6.7	6.9
RS1	7.0	6.0	9.0	5.3	6.7	7.0	7.0	8.0	7.7	6.9
SR 8700 (TMT1)	7.0	5.3	9.0	6.0	7.0	7.0	7.0	7.3	7.0	6.9
TD2	7.3	5.7	9.0	5.7	7.0	7.0	7.3	7.3	7.0	6.9
5LSS	7.0	6.3	9.0	4.0	6.0	6.7	7.0	9.0	8.0	6.8
AVENGER III (PPG-TF 308)	7.3	5.3	9.0	5.0	6.7	7.0	7.3	7.7	7.3	6.8
BARNOBLE (BAR 9FE MAS)	7.0	5.3	9.0	6.0	7.3	7.0	7.0	7.0	6.7	6.8
CLASH (AH1)	7.0	6.3	9.0	5.3	7.0	6.7	7.3	7.3	7.3	6.8
COL-TF-148	7.0	5.0	9.0	5.7	7.0	7.0	7.3	7.0	7.0	6.8
DEGAS (LTP-TF-111)	7.0	5.7	9.0	5.3	6.7	6.7	7.3	7.3	7.3	6.8
ENDGAME (3N1)	7.3	5.3	9.0	6.0	7.0	7.0	7.3	7.0	6.7	6.8
FAYETTE	7.0	5.0	9.0	5.3	7.0	7.3	7.3	7.0	6.7	6.8
FIRENZA II (PPG-TF 244)	7.0	5.0	9.0	6.0	6.7	6.7	6.7	7.7	7.0	6.8
HEMI	7.0	5.3	9.0	5.0	7.0	7.0	7.0	7.7	7.0	6.8
KIZZLE (K18-ROE)	7.0	5.0	9.0	6.0	7.0	7.0	7.0	7.0	7.0	6.8
LIFEGUARD	7.0	5.0	8.7	6.0	7.0	7.0	7.0	7.0	6.7	6.8
PST-5TRN	6.7	5.3	9.0	6.0	7.0	7.0	7.0	7.0	6.7	6.8
RAPTOR III	7.3	5.7	9.0	5.3	7.0	7.0	7.3	7.3	7.0	6.8
ROWDIER (DLFPS-321/3699)	7.0	5.7	9.0	5.3	7.0	7.0	7.0	7.3	7.0	6.8
SPYDER 2LS (ZRC1)	7.0	6.3	9.0	5.7	6.7	6.7	7.0	7.7	7.3	6.8
STEALTH (PPG-TF 238)	7.0	5.7	9.0	6.0	7.0	6.7	7.0	7.3	6.7	6.8
TANGO	7.0	4.0	8.7	5.7	7.0	7.0	7.3	7.0	7.0	6.8
TITAN MAX (TF456)	7.0	5.7	9.0	5.3	7.0	7.0	7.0	7.3	7.0	6.8
TOPSHELF (BGR-TF3)	7.3	5.3	9.0	5.7	7.3	7.0	6.7	7.0	7.0	6.8
XANADU (JT 268)	7.0	5.3	9.0	5.7	7.0	6.7	7.3	7.3	7.0	6.8
ZION (BAR TF 134)	7.0	6.0	9.0	5.7	7.0	7.0	7.0	7.7	6.7	6.8
3B2	7.0	5.3	9.0	5.3	7.0	6.7	7.0	7.0	7.0	6.7
BIRMINGHAM	7.0	5.0	8.7	6.0	6.7	6.7	7.0	7.3	6.7	6.7
DLFPS-321/3694	7.0	6.0	9.0	5.3	6.7	6.7	6.7	7.7	7.0	6.7
DRAGSTER	7.0	5.3	9.0	5.7	6.7	6.7	7.0	7.3	6.7	6.7
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	5.3	9.0	6.0	6.7	7.0	7.0	7.0	6.7	6.7
FALCON SUPREME (RH1)	7.0	5.0	9.0	5.0	7.0	7.0	7.0	7.0	7.0	6.7
FASTLANE (BY-TF-169)	7.0	5.3	9.0	5.0	6.7	6.3	6.7	8.0	7.3	6.7
FIREHAWK SLT	7.0	5.3	9.0	5.3	7.0	7.0	7.0	7.3	6.7	6.7
GLX REVIVE (PST-5GLBS)	7.0	5.0	9.0	5.7	6.7	7.0	7.0	7.0	6.7	6.7
GRANDE 3	6.7	5.0	9.0	5.3	7.0	7.0	6.7	7.3	7.0	6.7
HELLCAT GLR (PST-5E6)	7.0	5.0	9.0	5.3	6.7	7.0	7.0	7.0	7.0	6.7
JT 233	7.0	5.0	9.0	5.3	6.7	7.0	7.0	7.3	7.0	6.7
NT-3	7.0	5.7	9.0	6.0	6.7	6.7	7.0	7.0	6.7	6.7
ORIOLE (PST-5BYOB)	7.0	4.0	9.0	5.7	7.0	7.0	7.0	7.0	6.7	6.7

TABLE 11.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT EAST LANSING, MI 1/  
2023 DATA

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

NAME	GENETIC	LEAF	DENSITY		QUALITY RATINGS					MEAN
	COLOR	TEXTURE	FALL	MAY	JUN	JUL	AUG	SEP	OCT	
PADRE 2	7.0	5.3	9.0	5.3	7.0	6.7	7.0	7.3	6.7	6.7
PARAMOUNT	7.0	5.3	9.0	5.3	6.3	7.0	7.0	7.3	7.0	6.7
PPG-TF 249	7.0	5.7	9.0	5.7	7.0	7.0	7.0	7.0	6.7	6.7
PROVIDENCE (GO-RH20)	7.0	5.0	9.0	5.3	6.3	7.0	7.0	7.7	7.0	6.7
PST-5GQ	7.0	4.7	9.0	5.7	6.7	7.0	7.0	7.0	7.0	6.7
PST-5THM	7.0	4.7	8.7	5.3	6.7	7.3	7.0	7.0	6.7	6.7
RDC	6.7	5.0	9.0	5.7	6.3	6.7	7.0	7.3	7.0	6.7
RHF	7.0	6.3	9.0	5.3	6.7	6.7	7.0	7.3	7.0	6.7
SOUTHSIDE (PPG-TF 267)	7.0	5.7	9.0	5.0	7.0	7.0	7.0	7.3	7.0	6.7
TANK (PPG-TF 338)	7.0	5.3	9.0	5.7	6.7	7.0	7.0	7.0	6.7	6.7
TITAN GLX (TF445)	6.7	5.7	9.0	6.0	7.0	6.7	6.7	7.0	7.0	6.7
BAR-FA8230	7.0	4.7	8.7	5.7	7.0	7.0	7.0	6.7	6.0	6.6
BENTLEY (DLFPS-321/3679)	7.0	5.3	9.0	5.3	6.7	7.0	7.3	7.0	6.0	6.6
BRAVO 2	7.0	4.0	9.0	5.0	6.3	7.0	7.0	7.0	7.0	6.6
DAYBREAK (AH2)	7.0	5.7	9.0	4.7	6.0	6.3	7.0	8.0	7.3	6.6
ESCALADE	6.7	4.3	9.0	5.7	6.7	7.0	7.0	7.0	6.0	6.6
HOUNDG NINE (DLFPS-321/3702)	7.0	5.7	9.0	5.7	6.3	6.7	6.7	7.3	7.0	6.6
K18-NSE	7.0	6.0	9.0	5.3	6.0	6.3	7.0	7.7	7.0	6.6
K18-RS6	7.0	5.0	9.0	5.0	6.3	6.7	7.3	7.7	6.7	6.6
LAFAYETTE (GO-AOMK)	7.0	5.3	9.0	5.3	7.0	7.0	7.0	7.0	6.0	6.6
LBF	7.3	5.0	9.0	5.3	6.7	7.0	7.0	7.0	6.3	6.6
MONUMENT (PST-5SQB)	7.0	5.0	9.0	5.3	6.7	6.7	6.7	7.3	6.7	6.6
MOONDANCE GLX	6.7	4.3	8.7	5.3	7.0	7.0	7.3	6.7	6.0	6.6
OG-WALK	7.0	4.3	9.0	5.7	7.0	7.0	7.0	7.0	6.0	6.6
PALOMAR	6.7	3.7	8.3	6.0	7.0	7.0	7.0	6.7	5.7	6.6
PPG-TF 231	7.0	5.3	9.0	6.0	6.7	6.3	7.0	7.0	6.7	6.6
PPG-TF 316	7.0	5.7	9.0	5.3	6.3	7.0	6.7	7.0	7.0	6.6
PST-5MINK	7.0	5.0	9.0	5.3	7.0	7.0	7.0	7.0	6.3	6.6
RAD-TF105	7.0	5.7	9.0	5.3	7.0	6.7	6.7	7.3	6.3	6.6
ROVER (PPG-TF 306)	7.3	5.3	9.0	5.7	6.3	6.7	6.7	7.0	7.0	6.6
SE5STAR	7.0	4.7	8.7	6.0	7.0	6.3	7.0	6.7	6.3	6.6
SERENADE (PPG-TF 320)	7.0	5.3	9.0	5.7	6.3	6.7	7.0	7.0	7.0	6.6
SYMPHONY (PPG-TF 305)	7.0	5.7	9.0	6.0	6.7	6.7	7.0	7.0	6.3	6.6
TALLADEGA II (NAI-3N2)	7.0	5.0	9.0	5.7	6.7	6.7	7.0	7.0	6.3	6.6
TEACHER (PPG-TF 313)	7.3	6.0	9.0	5.0	6.0	7.0	7.3	7.3	7.0	6.6
TOUGH (NAI-TUE)	7.0	5.3	9.0	5.3	6.7	6.7	6.7	7.3	6.7	6.6
TRIAD (PPG-TF 323)	7.0	6.0	9.0	5.0	6.7	6.7	6.7	7.3	7.0	6.6
VALSETZ (PPG-TF 257)	7.0	5.3	8.7	5.3	6.7	6.7	7.0	7.0	6.7	6.6
ATF1768	7.3	4.7	9.0	5.3	6.7	6.7	7.0	6.7	6.7	6.5
ATF2116	7.0	4.0	8.3	6.0	6.3	7.0	6.7	6.7	6.3	6.5
BLADERUNNER 3 (DLFPS-321/3701)	7.0	5.7	9.0	5.0	6.3	6.7	6.7	7.3	7.0	6.5
COPIOUS TF	7.0	5.3	8.7	5.7	7.0	7.0	6.7	6.7	6.0	6.5
DLFPS-321/3693	7.0	5.7	9.0	5.3	6.7	6.3	6.7	7.3	6.7	6.5
DLFPS-321/3708	7.0	5.7	9.0	5.7	6.7	7.0	6.7	6.7	6.3	6.5
DLFPS-TF/3553	7.0	6.0	9.0	5.0	6.7	6.3	7.0	7.3	6.7	6.5

TABLE 11.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT EAST LANSING, MI 1/  
2023 DATA

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

NAME	GENETIC		LEAF		DENSITY		QUALITY RATINGS					MEAN
	COLOR		TEXTURE		FALL	MAY	JUN	JUL	AUG	SEP	OCT	
EXTRAVAGANZA (PST-5MCMO)	6.7		5.0		9.0	5.7	6.7	7.0	6.7	7.0	6.0	6.5
FAIRFIELD (SETF104)	7.0		5.3		9.0	5.3	6.3	6.7	7.0	7.0	6.7	6.5
GALLARDO (DLFPS-TF/3550)	7.0		5.0		9.0	5.3	6.3	6.7	7.0	7.0	6.7	6.5
PPG-TF 318	6.7		5.7		9.0	5.3	6.7	6.3	7.0	7.0	6.7	6.5
PPG-TF 337	7.0		5.3		9.0	5.3	6.3	6.3	7.0	7.0	7.0	6.5
PST-5DZM	7.0		4.7		9.0	5.3	6.7	7.0	7.0	7.0	6.0	6.5
RC4	7.3		5.7		8.7	5.0	6.7	6.3	7.0	7.3	6.7	6.5
TITANIUM G-LS (PPG-TF 255)	7.0		5.3		9.0	5.3	6.3	6.3	6.7	7.3	7.0	6.5
AST8118LM	7.0		5.0		9.0	5.3	6.3	6.3	7.0	7.0	6.7	6.4
BANDIT	7.0		4.7		9.0	5.0	6.7	6.0	6.7	7.3	6.7	6.4
BATTLE HAWK (NAI-ROS4)	7.3		5.3		9.0	5.0	6.3	6.3	6.7	7.3	7.0	6.4
BULLSEYE	7.0		5.0		9.0	5.7	6.7	6.7	6.7	7.0	6.0	6.4
DLFPS-321/3703	7.0		5.7		9.0	5.3	6.3	6.7	6.7	7.0	6.7	6.4
DLFPS-321/3706	7.0		5.0		9.0	5.0	6.3	6.3	6.7	7.3	7.0	6.4
DLFPS-321/3707	7.0		5.0		9.0	5.3	6.7	6.7	6.7	6.7	6.3	6.4
DYNAMITE G-LS (PPG-TF 254)	7.0		5.0		9.0	5.0	6.0	6.3	6.7	7.3	7.0	6.4
FINELAWN SUPREME (RH3)	7.0		5.0		9.0	5.0	6.0	6.7	7.0	7.0	6.7	6.4
FIRECRACKER G-LS (PPG-TF 315)	7.0		5.7		9.0	5.7	6.7	6.0	6.7	7.0	6.7	6.4
GALACTIC (SESCR1)	7.0		5.0		9.0	5.3	6.3	6.3	6.7	7.3	6.7	6.4
GRAND PRIX (FC15-01P)	6.7		4.3		8.7	6.0	7.0	6.7	6.7	6.7	5.7	6.4
GRO-PRO (SE53D2)	7.0		4.7		9.0	5.0	6.3	7.0	7.0	7.0	6.3	6.4
K18-WB1	7.0		5.7		9.0	4.3	6.3	6.7	6.7	7.3	7.3	6.4
NAI-FQZ-17	7.0		4.7		8.7	5.3	6.3	6.7	7.0	7.0	6.3	6.4
OKEEFE (LTP-TF-122)	7.0		5.0		9.0	5.0	6.7	6.3	6.7	7.0	7.0	6.4
RAPTOR LS (PPG-TF 336)	7.0		5.0		9.0	5.3	6.0	6.3	6.7	7.0	7.0	6.4
RHL2	7.0		5.3		9.0	5.3	6.3	6.3	6.7	7.0	7.0	6.4
SETFM3	7.3		5.0		8.7	5.0	6.7	6.3	6.7	7.3	6.7	6.4
AST8218LM	7.0		4.7		8.7	5.7	6.7	6.3	6.0	7.0	6.3	6.3
BULLSEYE LTZ	7.0		5.7		9.0	4.7	6.3	6.7	6.7	7.0	6.3	6.3
DLFPS-321/3695	7.0		5.3		9.0	5.0	6.3	6.7	6.7	6.7	6.7	6.3
GLX ACED (PST-5DART)	7.0		4.7		9.0	5.0	6.3	6.3	6.7	7.0	6.3	6.3
PPG-TF 312	7.0		6.3		9.0	5.0	6.3	5.7	6.3	7.3	7.3	6.3
PRO GOLD	6.7		4.7		8.3	5.7	6.7	6.3	6.7	6.7	6.0	6.3
SETFM2	7.3		4.7		9.0	5.0	6.3	6.3	6.7	7.0	6.7	6.3
A-TF31	7.0		5.3		9.0	5.0	6.0	6.3	6.7	7.0	6.0	6.2
JT 517	7.0		5.0		9.0	4.7	6.3	6.7	7.0	6.3	6.3	6.2
RAD-TF131	7.3		5.7		9.0	4.7	6.0	6.0	6.7	7.0	6.7	6.2
BAR FA 8228	6.7		4.0		8.7	5.7	6.0	6.7	6.3	6.3	5.7	6.1
BONFIRE (JS DTT)	7.3		5.0		9.0	4.7	5.7	6.3	6.0	7.0	7.0	6.1
NATURALLY GREEN	7.0		4.7		9.0	5.7	6.3	6.3	6.3	6.3	5.7	6.1
RAD-TF115 (TURBO SS)	7.3		5.0		9.0	4.7	6.3	5.7	6.3	6.7	6.0	5.9
KENTUCKY-31	4.0		2.3		6.7	4.0	5.0	4.0	4.0	3.3	3.3	3.9
LSD VALUE	0.5		0.8		0.4	2.2	1.5	0.9	0.8	0.7	0.9	0.5
C.V. (%)	4.1		9.8		2.6	12.0	8.1	6.9	6.1	6.0	7.6	4.3

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 12.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT MISS. ST., MS 1/  
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	DENSITY SUMMER	WINTER COLOR	QUALITY RATINGS												MEAN
					FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
RAPTOR III	6.7	6.7	6.3	6.0	5.0	5.7	6.0	6.3	6.0	4.0	5.0	3.7	3.7	3.7	5.0	4.9	
COL-TF-148	6.3	6.7	6.7	6.0	5.0	6.7	6.7	6.3	6.3	4.0	4.3	2.7	3.0	3.7	4.0	4.8	
PST-5DC24	6.3	6.0	6.0	5.7	5.3	5.7	5.7	6.0	6.0	5.3	5.3	3.0	2.7	3.3	4.3	4.8	
PST-5DZM	6.0	6.0	6.3	5.3	5.3	6.0	6.0	6.0	6.0	4.7	4.7	3.0	2.7	3.7	4.3	4.8	
SYMPHONY (PPG-TF 305)	6.3	6.3	7.0	5.7	5.0	6.7	6.3	6.0	6.0	4.3	4.0	3.3	3.0	3.3	4.3	4.8	
TITAN GLX (TF445)	6.3	7.0	6.7	6.0	5.3	6.3	6.0	6.0	6.0	4.0	5.0	3.0	3.0	3.7	4.3	4.8	
GLX REVIVE (PST-5GLBS)	6.0	6.3	7.0	6.0	5.3	6.0	5.7	6.3	6.0	4.0	4.7	2.7	3.0	3.3	4.3	4.7	
KIZZLE (K18-ROE)	6.0	6.3	6.3	6.0	5.0	6.0	6.3	6.0	6.3	4.3	4.7	2.7	3.3	3.3	3.7	4.7	
BONFIRE (JS DTT)	7.0	6.7	6.7	6.0	4.7	5.3	6.0	5.7	5.0	4.0	4.7	3.3	3.3	4.3	4.7	4.6	
DRAGSTER	6.3	6.0	6.3	6.0	4.3	5.7	5.7	5.7	6.0	4.0	5.3	3.0	3.0	3.7	4.7	4.6	
HELLCAT GLR (PST-5E6)	5.7	5.7	6.3	6.0	5.0	6.0	5.7	6.0	5.7	4.0	3.7	3.3	3.0	4.0	4.7	4.6	
LBF	7.0	6.0	5.7	5.7	5.0	6.0	6.0	6.0	5.7	4.3	4.0	3.0	3.0	3.7	4.0	4.6	
RHF	5.7	6.7	6.7	6.0	4.7	6.0	5.7	6.0	5.3	3.7	4.3	3.3	3.3	3.7	4.3	4.6	
ATF2116	7.0	6.3	6.3	5.7	5.0	5.7	6.0	5.7	5.3	3.7	4.0	3.0	2.7	4.0	4.7	4.5	
BAR FA 8228	6.0	5.7	6.0	5.7	4.7	5.7	6.3	5.0	5.3	3.7	4.0	3.0	3.7	4.0	4.3	4.5	
CLASH (AH1)	6.7	6.7	6.7	6.0	4.7	5.3	6.0	5.7	5.7	4.0	5.0	3.3	2.7	3.0	4.0	4.5	
DEGAS (LTP-TF-111)	6.3	6.7	6.7	6.0	5.0	5.7	6.0	6.3	6.0	4.0	4.3	2.7	2.3	3.3	3.7	4.5	
DLFPS-321/3708	6.7	7.0	6.3	5.0	4.7	5.7	5.7	5.7	6.0	4.0	4.3	3.3	2.7	3.3	3.7	4.5	
DYNAMITE G-LS (PPG-TF 254)	6.0	7.0	6.7	5.7	4.7	6.0	6.3	6.3	5.7	4.0	3.7	3.0	2.7	3.3	4.0	4.5	
FIRENZA II (PPG-TF 244)	6.3	7.0	7.0	6.0	4.3	5.7	6.3	6.3	6.0	4.0	4.0	2.7	2.7	3.7	4.0	4.5	
JT 517	6.7	5.7	6.3	6.0	5.0	6.0	6.3	6.3	5.7	3.3	3.7	2.7	2.7	3.3	4.0	4.5	
SOUTHSIDE(PPG-TF 267)	6.7	6.7	6.0	6.0	4.7	5.7	5.3	5.7	5.7	3.7	4.7	2.7	3.0	3.7	4.3	4.5	
TEACHER (PPG-TF 313)	6.3	6.3	6.3	6.0	4.3	5.7	5.7	5.7	5.3	3.7	4.7	3.0	3.3	4.0	4.0	4.5	
TITAN MAX (TF456)	5.7	6.7	6.0	6.0	4.3	5.7	5.3	5.3	5.7	4.3	4.0	3.3	3.3	3.7	5.0	4.5	
TITANIUM G-LS (PPG-TF 255)	6.3	7.0	6.7	5.7	5.0	6.3	6.3	6.3	6.0	4.0	4.0	2.7	2.7	3.0	3.7	4.5	
BAR-FA8230	6.0	6.0	6.3	6.0	5.7	5.7	6.0	6.0	6.0	3.7	3.7	2.7	2.3	3.0	3.7	4.4	
CAPITAN (DLFPS-321/3705)	6.3	6.7	6.0	6.0	5.0	5.3	5.7	6.0	6.0	4.3	3.7	2.7	2.7	3.3	4.0	4.4	
EXTRAVAGANZA (PST-5MCMO)	6.0	6.3	5.7	6.0	5.0	5.3	5.3	6.0	5.3	3.7	3.7	3.0	3.3	3.7	4.0	4.4	
PRO GOLD	6.7	6.0	6.3	6.0	5.0	6.0	6.0	6.0	6.0	4.3	4.0	2.0	2.3	3.3	3.7	4.4	
PROVIDENCE (GO-RH20)	5.7	7.3	6.0	5.7	4.3	4.7	6.0	5.3	5.3	4.3	4.3	3.0	2.7	3.7	4.3	4.4	
ROWDIER (DLFPS-321/3699)	6.3	6.3	6.0	6.0	5.0	5.7	6.0	5.7	5.7	4.0	4.0	2.3	2.3	3.7	4.3	4.4	
SERENADE (PPG-TF 320)	6.7	6.3	6.7	6.0	5.0	5.7	6.0	6.3	6.0	4.0	3.3	2.3	2.7	3.3	3.7	4.4	
DLFPS-TF/3553	6.0	7.0	6.0	6.0	5.0	5.7	5.7	5.7	5.7	4.0	3.7	2.7	2.7	3.0	3.3	4.3	
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	7.0	5.7	6.0	4.7	5.7	5.3	5.0	5.0	3.7	3.3	3.0	3.7	3.7	4.3	4.3	
FALCON SUPREME (RH1)	6.0	6.3	6.3	6.0	4.7	5.3	5.3	5.3	6.0	3.7	4.0	2.7	3.3	3.3	4.0	4.3	
GRO-PRO (SE53D2)	6.3	6.3	6.3	6.0	4.7	6.0	5.7	5.3	5.3	5.0	4.0	2.3	2.3	3.0	3.7	4.3	
MONUMENT (PST-5SQB)	6.3	5.7	5.7	6.0	4.7	5.0	5.3	5.7	5.3	4.3	4.3	3.0	2.3	3.0	4.0	4.3	
NATURALLY GREEN	6.7	6.7	5.7	6.0	5.0	6.0	5.3	5.0	5.3	4.0	4.3	2.7	3.0	3.0	4.0	4.3	
PPG-TF 337	6.7	6.7	6.3	6.0	4.3	5.3	5.7	5.7	5.3	3.7	4.7	3.0	2.7	3.3	4.0	4.3	
PST-5TRN	6.7	6.3	6.0	6.0	4.7	5.3	5.3	5.3	5.3	4.0	4.0	2.7	3.0	3.7	3.7	4.3	
XANADU (JT 268)	7.0	6.7	6.3	6.0	4.7	5.0	5.3	5.3	5.0	4.3	3.7	3.0	3.3	3.7	3.7	4.3	
3B2	6.3	6.0	6.0	6.0	5.0	5.7	6.0	5.7	5.0	4.7	3.3	2.3	2.0	3.0	3.7	4.2	
BENTLEY (DLFPS-321/3679)	6.0	6.7	5.7	6.0	4.7	5.3	5.3	5.0	5.7	4.0	3.7	2.3	3.0	3.3	4.0	4.2	
DLFPS-321/3693	6.3	6.7	6.3	6.0	4.7	5.3	5.3	5.3	5.3	4.0	4.0	2.0	2.7	3.7	3.7	4.2	
DLFPS-321/3695	6.0	6.3	6.3	6.0	4.3	5.0	5.3	4.3	4.7	4.0	4.0	3.0	2.7	4.0	4.3	4.2	



TABLE 12.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT MISS. ST., MS 1/  
2023 DATA

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

NAME	GENETIC		DENSITY SUMMER	WINTER		QUALITY RATINGS											MEAN
	COLOR	TEXTURE		COLOR	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
DLFPS-321/3707	6.7	6.7	6.3	6.0	4.3	4.7	5.3	5.3	5.3	3.7	4.3	3.0	2.7	3.3	4.0	4.2	
FASTLANE (BY-TF-169)	6.0	6.7	5.7	6.0	4.3	4.7	4.7	5.3	5.0	3.7	4.3	3.0	3.0	3.7	4.3	4.2	
GALLARDO (DLFPS-TF/3550)	6.0	6.7	5.7	6.0	4.3	5.7	5.3	5.3	5.3	3.3	3.7	2.7	3.0	3.7	3.7	4.2	
GRANDE 3	6.0	6.0	6.0	6.7	4.7	5.3	5.0	5.3	5.3	3.7	3.7	3.0	2.7	3.3	4.0	4.2	
HOUNDG NINE (DLFPS-321/3702)	6.3	6.7	6.3	6.0	4.3	6.0	5.3	5.7	5.7	4.0	4.0	2.7	2.3	3.0	3.7	4.2	
PST-5GQ	6.3	6.7	5.3	6.0	4.3	5.0	5.3	4.7	5.0	4.3	4.0	3.0	3.3	3.7	4.0	4.2	
TANGO	6.3	6.3	5.3	5.7	4.3	5.3	5.7	5.7	5.3	3.7	3.7	2.3	2.3	3.3	4.3	4.2	
A-TF31	6.7	5.3	5.7	6.0	4.7	4.3	5.7	5.7	5.7	3.7	4.0	2.3	2.3	3.3	3.7	4.1	
AVENGER III (PPG-TF 308)	6.7	6.3	6.3	6.0	5.0	5.7	5.3	5.3	5.0	4.0	4.3	2.3	2.3	2.3	3.3	4.1	
BATTLE HAWK (NAI-ROS4)	6.7	6.3	6.0	6.0	4.3	5.0	5.0	5.0	5.0	4.0	4.0	2.3	2.7	3.7	4.0	4.1	
BLADERUNNER 3 (DLFPS-321/3701)	6.7	6.7	6.3	6.0	4.7	5.7	5.3	5.3	5.3	4.0	3.7	2.7	2.0	2.3	3.7	4.1	
BULLSEYE LTZ	5.7	6.7	5.7	6.0	4.0	5.7	5.7	5.3	4.7	3.7	4.0	2.3	2.7	3.0	4.0	4.1	
MOONDANCE GLX	6.3	6.0	6.0	6.0	4.0	4.7	5.0	5.0	5.0	5.0	4.0	2.7	2.3	3.3	4.0	4.1	
TD2	6.3	7.0	6.0	6.0	5.0	5.3	5.7	5.3	5.0	3.0	3.3	2.3	2.7	3.0	4.0	4.1	
TRIAD (PPG-TF 323)	6.3	6.3	6.3	6.0	5.0	5.3	6.3	5.7	5.3	3.7	3.0	2.7	2.3	2.7	3.3	4.1	
5LSS	5.7	6.7	6.3	5.7	4.3	5.3	5.0	5.3	5.0	4.0	4.0	2.3	2.3	2.7	3.7	4.0	
AST8118LM	7.3	5.7	5.7	5.7	4.7	5.3	5.3	5.0	5.0	3.3	3.7	2.3	2.7	3.0	3.7	4.0	
GLX ACED (PST-5DART)	6.7	6.0	6.3	6.0	4.3	5.0	5.3	5.0	4.7	4.0	4.3	2.7	2.3	3.0	3.7	4.0	
HEMI	6.0	6.7	6.0	5.7	4.0	5.3	5.3	5.3	5.3	3.7	3.0	2.3	2.3	3.0	4.0	4.0	
LAFAYETTE (GO-AOMK)	6.7	6.0	6.0	5.3	4.3	5.0	5.0	5.7	5.3	4.3	4.0	2.3	2.0	2.7	3.3	4.0	
ORIOLE (PST-5BYOB)	6.3	6.0	5.7	6.0	4.7	5.3	5.0	5.0	4.3	4.7	4.0	3.0	2.3	2.7	3.0	4.0	
RACEWAY (DLFPS-321/3696)	7.0	6.7	6.0	6.0	5.0	5.3	5.0	5.3	5.0	4.0	4.0	2.3	2.3	3.0	3.0	4.0	
RS1	6.3	6.7	5.7	6.0	4.0	4.3	4.3	5.3	5.0	3.7	4.3	3.0	2.7	3.3	4.0	4.0	
SETFM2	7.3	7.0	5.7	5.7	4.3	5.0	5.3	5.3	5.0	3.7	3.7	2.3	2.7	3.3	3.7	4.0	
BANDIT	7.7	5.7	5.3	6.0	4.7	4.7	4.7	5.0	5.0	4.0	3.7	2.3	2.3	3.0	3.7	3.9	
COPIOUS TF	7.7	6.3	5.7	5.7	4.3	5.0	5.0	4.3	4.7	4.0	4.0	2.3	2.7	3.3	3.3	3.9	
DLFPS-321/3703	7.0	6.3	5.3	6.0	3.7	5.0	4.3	4.7	4.7	3.7	4.3	2.7	2.7	3.7	4.0	3.9	
LIFEGUARD	5.7	5.7	6.7	6.0	4.0	5.0	5.3	5.0	5.0	4.7	4.0	2.3	2.0	2.7	3.3	3.9	
NAI-ST5	7.0	6.7	6.0	6.0	4.7	5.3	5.0	5.3	5.0	3.7	2.7	2.3	2.7	3.0	3.7	3.9	
PPG-TF 231	6.7	6.3	6.3	6.0	4.3	5.0	5.3	5.3	4.3	3.3	4.0	2.3	2.3	3.0	3.3	3.9	
PPG-TF 249	6.7	6.0	6.7	6.0	4.7	5.3	6.0	5.7	5.3	3.3	3.7	1.7	1.7	2.3	3.0	3.9	
PST-5THM	6.0	6.7	6.0	6.0	4.3	5.3	5.3	5.3	5.3	3.3	3.0	2.0	2.7	3.0	3.7	3.9	
RAPTOR LS (PPG-TF 336)	6.7	6.0	6.3	6.0	4.0	5.3	5.7	5.3	5.7	3.0	3.0	2.3	2.3	3.3	3.3	3.9	
TANK (PPG-TF 338)	7.3	6.7	6.0	6.0	4.0	5.0	5.0	5.3	5.0	3.7	3.7	2.0	2.7	3.0	3.3	3.9	
TOPSHELF (BGR-TF3)	7.7	5.7	6.0	5.7	4.3	5.3	5.3	5.0	5.0	3.7	3.0	2.3	2.3	3.0	3.7	3.9	
ATF1768	5.7	6.0	5.3	5.7	4.7	5.0	5.3	5.0	4.7	3.3	3.7	2.3	2.0	3.0	3.3	3.8	
DAYBREAK (AH2)	6.0	6.3	6.0	6.0	4.7	5.3	5.0	5.0	5.0	3.3	3.3	2.3	2.3	2.7	3.3	3.8	
EXPANSE (PPG-TF 262)	6.7	6.7	5.0	6.0	4.0	4.3	4.7	4.7	4.7	4.0	4.3	2.0	2.7	2.7	3.3	3.8	
FAIRFIELD (SETF104)	6.3	7.0	5.7	6.0	4.3	5.3	5.3	5.0	5.0	3.3	3.0	2.0	2.3	2.7	3.7	3.8	
NT-3	6.3	6.3	6.0	5.3	4.3	5.0	5.0	5.0	4.7	3.0	3.0	2.7	2.7	3.0	3.3	3.8	
OKEEFE (LTP-TF-122)	6.0	6.3	5.7	6.0	4.0	5.0	5.3	5.3	5.0	4.3	3.0	2.0	2.0	2.7	3.3	3.8	
PPG-TF 316	6.0	7.0	6.7	5.7	4.7	5.3	5.0	5.0	5.0	3.3	3.0	2.0	2.3	3.0	3.0	3.8	
RAD-TF115 (TURBO SS)	6.3	7.3	5.0	5.3	4.0	4.3	4.7	4.7	3.7	3.3	3.7	2.7	3.3	3.7	4.0	3.8	
ROVER (PPG-TF 306)	6.7	6.3	5.7	6.0	4.3	5.0	5.0	4.7	5.0	3.3	3.3	2.3	3.0	3.0	3.3	3.8	
SE5STAR	7.0	6.0	5.7	5.7	4.3	5.0	5.7	5.7	5.3	4.0	4.0	2.0	2.0	2.0	2.3	3.8	

TABLE 12.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT MISS. ST., MS 1/  
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/															
	GENETIC COLOR	LEAF TEXTURE	DENSITY SUMMER	WINTER COLOR	FEB	MAR	APR	MAY	JUN	QUALITY RATINGS						MEAN
										JUL	AUG	SEP	OCT	NOV	DEC	
SETFM3	6.7	6.0	5.3	6.0	3.7	4.7	5.7	5.3	4.7	3.0	3.7	2.0	2.7	3.0	3.3	3.8
VALSETZ (PPG-TF 257)	7.0	6.0	5.3	6.0	4.3	5.3	5.0	5.0	5.0	3.7	3.3	2.3	2.0	3.0	3.3	3.8
BRAVO 2	6.7	5.7	5.7	5.0	3.7	4.7	4.3	4.7	4.3	3.0	3.3	3.3	2.7	3.3	3.3	3.7
ESCALADE	7.0	5.7	5.7	6.0	4.3	4.7	5.0	4.7	4.0	3.0	3.7	2.7	2.3	3.0	3.7	3.7
NAI-FQZ-17	7.3	5.7	5.0	5.3	4.0	4.3	4.3	4.7	4.3	4.7	4.0	2.7	2.0	2.7	3.3	3.7
PARAMOUNT	6.7	6.3	5.0	6.0	3.7	4.7	4.3	4.0	4.7	4.0	3.7	2.3	3.0	3.3	3.3	3.7
RC4	6.3	6.0	6.0	6.0	4.0	4.7	4.3	4.3	4.7	3.7	4.0	2.3	2.3	3.0	3.3	3.7
SR 8700 (TMT1)	6.7	6.7	5.7	6.0	4.7	5.3	4.7	5.3	4.3	4.0	3.0	2.3	1.7	2.3	3.0	3.7
ZION (BAR TF 134)	6.7	7.0	5.7	6.0	4.3	5.3	5.0	4.7	4.7	3.0	3.3	2.3	2.3	2.7	2.7	3.7
JT 233	7.7	6.3	5.7	5.7	3.7	4.0	4.3	4.3	3.7	3.7	4.0	3.0	2.7	3.0	3.0	3.6
SPYDER 2LS (ZRC1)	6.0	6.7	5.3	6.0	4.0	4.7	5.0	5.0	4.7	3.3	3.3	2.0	2.3	2.7	3.0	3.6
DLFPS-321/3694	6.7	6.0	5.7	6.0	4.0	4.7	4.7	4.3	4.3	3.7	3.3	2.3	2.3	2.7	2.7	3.5
FIRECRACKER G-LS (PPG-TF 315)	6.7	6.7	5.7	6.0	4.0	4.7	4.3	4.0	4.7	3.0	3.0	2.7	2.0	2.7	3.3	3.5
FIREHAWK SLT	6.7	6.0	5.7	6.0	3.7	4.7	4.3	4.3	4.3	3.3	3.3	2.0	2.3	2.7	3.0	3.5
PALOMAR	6.3	5.3	6.0	6.0	3.7	5.0	4.7	5.3	4.0	2.3	2.3	2.3	2.3	2.7	3.7	3.5
PST-5MINK	7.0	6.0	5.3	6.0	3.3	4.3	4.0	4.7	4.0	3.7	3.7	2.7	2.7	2.7	3.0	3.5
RAD-TF105	7.0	6.3	5.3	5.3	3.3	4.3	4.7	4.0	4.3	3.3	3.0	2.7	2.7	3.0	3.7	3.5
RDC	6.0	6.7	5.3	5.3	3.7	4.7	4.0	4.0	4.0	3.0	3.0	2.3	3.3	3.3	3.7	3.5
STEALTH (PPG-TF 238)	6.7	7.0	4.7	6.0	3.7	4.7	4.3	4.3	4.7	3.7	3.0	2.3	2.3	2.3	3.0	3.5
TALLADEGA II (NAI-3N2)	7.0	5.7	5.7	6.0	3.3	4.0	4.3	4.3	4.0	4.7	3.7	2.3	2.3	3.0	3.0	3.5
AST8218LM	7.7	6.7	5.0	5.7	3.7	4.7	4.7	4.7	3.7	3.0	2.7	2.0	2.3	3.0	3.0	3.4
FINELAWN SUPREME (RH3)	6.0	5.7	5.3	5.3	3.3	3.7	4.7	4.0	4.0	3.3	3.0	2.3	2.3	3.3	3.7	3.4
GALACTIC (SESCR1)	6.0	6.7	5.7	6.0	3.7	4.7	5.0	4.7	4.7	2.7	3.0	2.0	2.0	2.3	3.0	3.4
GRAND PRIX (FC15-01P)	6.0	6.0	5.0	6.0	3.7	4.3	4.3	4.3	4.3	3.7	3.0	2.3	2.3	2.0	3.3	3.4
DLFPS-321/3706	5.7	6.3	5.0	6.0	3.3	4.0	4.3	4.7	4.0	3.0	3.3	2.3	2.3	2.3	3.0	3.3
K18-RS6	6.0	7.0	6.0	5.7	3.7	4.7	5.0	4.3	4.3	3.0	3.0	1.7	2.0	2.3	2.7	3.3
PPG-TF 318	6.0	6.0	6.0	6.0	3.7	4.3	4.3	4.3	3.7	3.0	2.7	2.3	2.0	2.7	3.0	3.3
FAYETTE	6.3	6.0	4.3	6.0	3.7	4.3	3.7	3.7	3.7	3.0	2.7	2.3	2.0	3.0	3.3	3.2
OG-WALK	6.3	5.7	5.0	5.7	4.0	4.0	3.7	4.3	3.0	2.7	3.0	2.7	2.0	2.7	3.0	3.2
RAD-TF131	7.0	6.7	5.3	5.0	3.3	4.0	4.3	4.7	4.0	3.0	3.0	2.0	2.0	2.7	2.7	3.2
K18-WB1	6.3	6.3	5.0	6.0	3.3	3.3	3.3	3.3	3.3	3.0	3.3	2.7	2.3	2.7	3.0	3.1
TOUGH (NAI-TUE)	8.0	7.0	4.7	5.3	3.0	3.7	3.7	3.7	3.7	3.7	3.7	2.0	2.7	2.3	2.3	3.1
BIRMINGHAM	7.3	6.0	5.0	5.7	3.3	3.3	3.7	4.0	3.7	3.7	3.0	2.0	2.0	2.0	2.0	3.0
BARNOBLE (BAR 9FE MAS)	6.7	5.7	4.7	6.0	3.3	3.3	3.7	3.3	3.7	3.0	2.3	2.3	2.3	2.3	2.7	2.9
BULLSEYE	6.7	6.7	4.7	6.0	3.3	4.0	3.7	4.0	3.7	2.7	2.7	1.7	1.3	2.3	2.7	2.9
PADRE 2	7.0	6.3	4.3	6.0	3.3	4.0	3.7	3.7	4.0	2.7	3.0	1.7	1.3	2.3	2.3	2.9
KENTUCKY-31	5.0	5.0	4.7	5.7	3.0	4.0	3.3	3.0	3.0	2.7	2.3	2.3	2.0	2.7	2.7	2.8
ESTRENA	6.7	6.0	4.3	6.0	3.0	3.3	3.3	3.3	3.0	2.7	2.7	1.7	2.0	2.0	2.3	2.7
ENDGAME (3N1)	6.7	6.0	4.3	5.7	2.7	3.7	3.3	3.0	3.0	2.3	2.7	1.7	2.0	2.0	2.0	2.6
PPG-TF 312	6.3	5.7	4.7	6.0	3.0	2.3	3.0	3.3	3.0	2.3	2.3	1.7	1.7	2.0	2.0	2.4
RHL2	6.7	7.0	5.0	6.0	2.3	3.3	3.7	3.0	3.0	1.7	2.0	2.3	2.0	1.7	1.7	2.4
K18-NSE	5.7	6.3	4.0	4.3	2.3	2.3	2.7	2.7	2.3	2.3	2.3	1.7	1.7	2.3	2.3	2.3
LSD VALUE	1.3	1.2	2.1	0.9	2.9	3.9	3.5	3.8	2.9	3.3	3.6	3.2	3.1	2.2	2.7	2.1
C.V. (%)	9.8	9.2	14.9	6.5	23.0	24.3	23.7	24.4	24.0	26.0	28.5	29.3	30.5	25.4	26.5	20.1

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

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

TABLE 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/  
2023 DATA

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	BROWN PATCH WARM TEMP.	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/											MEAN
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PROVIDENCE (GO-RH20)	7.7	7.7	9.0	7.3	6.0	6.0	7.0	8.0	8.3	8.7	8.0	7.0	6.7	7.3	8.3	8.0	7.6
CAPITAN (DLFPS-321/3705)	7.3	7.7	9.0	7.3	8.0	5.7	6.3	7.3	7.7	8.3	8.0	7.3	7.0	7.7	8.3	7.7	7.4
DAYBREAK (AH2)	8.0	8.3	9.0	7.3	5.7	5.3	6.3	6.7	7.3	8.0	8.0	7.0	7.0	7.7	8.7	8.0	7.3
ESSENTIAL 2 (DLFPS-TF/3552)	7.7	7.7	9.0	8.0	5.7	5.7	6.3	7.7	8.0	8.0	8.0	6.7	6.7	7.3	8.0	7.7	7.3
DLFPS-321/3707	8.0	7.3	8.7	8.0	6.7	5.3	5.7	6.7	8.0	8.7	7.7	6.7	7.0	7.7	8.3	7.7	7.2
FALCON SUPREME (RH1)	8.3	7.7	8.3	7.0	5.7	5.3	6.0	7.0	8.0	8.7	8.0	6.0	6.0	7.3	8.3	7.3	7.1
K18-RS6	7.7	7.7	9.0	7.3	7.0	5.0	5.3	6.7	7.7	8.7	8.0	6.3	6.3	7.3	8.0	7.3	7.0
TRIAD (PPG-TF 323)	8.3	7.7	8.3	7.3	5.0	5.0	5.3	6.3	7.3	8.0	7.3	5.7	6.7	8.0	9.0	8.3	7.0
EXPANSE (PPG-TF 262)	7.0	8.0	8.7	7.7	5.0	4.7	5.3	6.7	7.3	8.0	7.7	6.3	6.3	7.7	8.3	7.3	6.9
GALACTIC (SESCR1)	7.7	8.0	9.0	7.3	5.7	5.3	6.0	6.7	7.7	8.0	7.7	6.7	6.0	7.0	7.7	7.7	6.9
PPG-TF 318	7.7	7.7	8.7	7.3	5.3	5.0	5.0	6.3	7.0	8.0	8.0	6.7	6.7	7.3	8.0	7.7	6.9
PPG-TF 337	8.0	8.0	8.7	7.3	5.7	5.3	6.0	7.3	7.3	7.7	7.3	6.7	6.7	7.0	7.7	7.0	6.9
AVENGER III (PPG-TF 308)	7.7	7.3	9.0	7.0	5.7	4.7	5.0	6.3	7.0	7.7	7.3	6.7	6.7	7.7	8.0	7.7	6.8
BATTLE HAWK (NAI-ROS4)	7.7	7.7	8.7	7.3	6.0	5.0	5.3	6.3	7.0	7.7	7.7	6.7	6.7	7.3	7.7	7.3	6.8
CLASH (AH1)	8.0	8.0	8.7	6.3	5.7	5.0	5.7	6.7	7.3	8.3	7.7	6.3	6.0	6.7	7.7	7.3	6.8
DLFPS-321/3708	8.7	7.7	8.7	7.7	7.7	5.0	5.0	6.3	7.3	8.0	7.7	7.3	6.7	6.7	7.3	7.0	6.8
GALLARDO (DLFPS-TF/3550)	8.0	8.0	8.7	7.0	6.0	5.0	5.3	6.7	7.7	8.0	7.7	6.3	6.7	6.7	7.3	7.3	6.8
PPG-TF 316	7.7	7.7	9.0	6.7	4.7	5.0	5.3	6.3	7.7	7.7	7.3	6.0	6.0	7.7	8.0	7.3	6.8
RS1	7.7	8.0	8.7	7.3	6.3	5.0	5.3	6.3	7.3	8.0	7.3	6.3	6.7	7.7	8.0	7.3	6.8
SERENADE (PPG-TF 320)	7.3	7.7	8.7	7.0	6.3	5.0	5.0	6.3	7.0	7.7	7.7	6.7	6.7	7.3	8.0	7.7	6.8
DEGAS (LTP-TF-111)	7.0	7.3	9.0	7.0	6.3	5.0	5.0	6.3	7.0	8.0	7.7	6.3	6.0	7.0	7.7	7.3	6.7
STEALTH (PPG-TF 238)	7.7	7.3	8.7	7.0	6.0	4.7	4.7	6.0	7.0	8.0	7.7	6.7	6.3	7.3	7.7	7.3	6.7
VALSETZ (PPG-TF 257)	8.0	7.0	8.0	6.7	5.0	5.0	5.0	6.3	7.3	7.7	7.7	6.3	6.3	7.0	7.7	7.3	6.7
FINELAWN SUPREME (RH3)	7.3	6.7	8.7	7.3	6.3	5.3	5.7	6.3	7.0	7.3	6.7	6.3	6.3	7.3	7.7	6.7	6.6
HEMI	8.0	7.0	8.3	7.3	6.0	5.0	5.0	5.7	7.0	7.7	7.3	6.0	6.3	7.3	7.7	7.7	6.6
NAI-ST5	8.7	7.7	9.0	7.7	6.3	5.0	5.0	5.7	7.0	7.7	7.3	6.7	6.3	7.3	7.7	7.3	6.6
SOUTHSIDE (PPG-TF 267)	7.7	7.3	8.3	6.3	5.0	5.0	5.3	6.7	7.7	7.7	7.0	5.7	6.0	6.7	7.7	7.3	6.6
XANADU (JT 268)	8.0	8.0	8.7	7.0	5.0	5.0	5.3	6.3	7.7	8.3	7.0	5.7	6.0	6.7	7.7	7.3	6.6
BULLSEYE LTZ	8.0	8.3	9.0	6.3	4.0	4.3	4.3	5.7	7.0	8.0	7.7	6.3	5.7	7.3	7.7	7.0	6.5
FIRENZA II (PPG-TF 244)	7.7	7.7	8.0	6.0	6.7	5.0	5.7	6.7	7.0	7.7	7.3	6.0	5.3	6.3	7.3	7.0	6.5
K18-WB1	8.0	7.3	8.3	6.3	5.3	5.0	5.3	6.3	7.3	7.7	7.7	5.7	5.7	6.7	7.3	7.3	6.5
NT-3	8.0	7.3	8.3	6.7	5.7	5.3	5.3	6.3	6.7	7.7	7.3	6.3	5.7	6.0	7.7	7.0	6.5
PST-5TRN	7.3	8.0	9.0	7.3	4.7	5.3	5.0	6.3	7.0	8.0	7.3	5.7	5.7	6.3	7.3	7.3	6.5
RC4	7.3	8.0	8.7	7.7	5.3	5.0	4.7	5.7	6.7	7.3	7.3	6.0	7.0	7.0	7.7	7.0	6.5
RHF	7.3	7.7	9.0	6.7	6.0	4.7	5.0	6.3	7.0	7.7	7.3	6.7	6.0	6.7	7.3	6.7	6.5
RHL2	7.3	7.7	9.0	7.0	4.7	4.7	4.7	5.7	6.7	8.0	7.3	6.3	6.0	7.0	8.0	7.3	6.5
ROVER (PPG-TF 306)	7.3	7.7	8.7	6.0	5.0	5.0	6.0	7.0	7.3	7.7	7.3	6.3	5.0	6.3	7.3	6.7	6.5
SPYDER 2LS (ZRC1)	7.0	8.0	9.0	7.0	4.7	5.0	5.3	6.0	7.0	7.7	7.3	6.3	6.0	6.7	7.7	7.0	6.5
TANK (PPG-TF 338)	8.0	7.0	8.7	7.0	7.3	5.0	4.7	5.7	6.7	7.7	7.3	7.0	6.3	6.7	7.3	7.0	6.5
TD2	7.3	8.0	8.7	7.7	5.0	5.0	4.7	6.0	7.3	8.0	7.3	6.0	6.7	7.0	7.3	6.7	6.5
5LSS	7.0	8.0	9.0	7.0	5.3	5.0	5.0	6.0	7.3	8.0	7.3	5.7	6.0	6.7	7.0	6.7	6.4
BONFIRE (JS DTT)	8.3	6.7	8.7	6.3	7.0	5.0	5.0	6.3	7.0	8.0	7.3	6.7	5.7	6.0	6.7	6.3	6.4
GLX REVIVE (PST-5GLBS)	7.3	7.7	9.0	6.0	5.0	4.3	4.3	5.3	6.3	7.3	7.7	6.3	6.0	7.3	8.0	7.0	6.4
KIZZLE (K18-ROE)	8.0	6.7	7.7	5.3	6.0	5.3	5.7	7.0	7.3	7.3	7.0	6.3	5.3	5.7	6.7	6.7	6.4
HELLCAT GLR (PST-5E6)	7.3	7.3	8.7	6.7	3.3	4.7	4.7	6.3	7.0	7.7	7.3	5.3	5.3	6.7	7.3	7.0	6.3

TABLE 13.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/  
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	SUMMER BROWN PATCH		QUALITY RATINGS											MEAN
				DENSITY	WARM TEMP.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
K18-NSE	7.3	7.7	9.0	7.3	4.0	5.0	5.0	6.7	7.3	7.7	7.3	5.7	5.7	6.3	6.7	6.0	6.3
TITAN GLX (TF445)	7.7	7.3	8.7	6.7	4.7	4.7	5.0	5.7	6.7	7.0	7.0	5.7	5.7	7.0	7.7	7.0	6.3
TITAN MAX (TF456)	7.7	7.0	8.7	6.7	5.7	5.3	5.3	6.7	7.3	7.7	7.0	5.7	5.3	6.0	6.3	6.3	6.3
TITANIUM G-LS (PPG-TF 255)	8.0	7.3	9.0	6.7	5.0	5.3	5.0	5.7	7.0	7.7	7.0	5.7	5.7	6.3	7.3	7.0	6.3
COL-TF-148	7.7	7.7	9.0	7.3	5.0	5.0	5.3	6.3	6.7	7.0	6.7	5.7	6.0	6.7	6.7	6.7	6.2
DLFPS-TF/3553	7.7	7.3	8.7	7.0	6.7	5.0	5.0	6.0	6.7	7.0	6.3	6.0	6.3	6.7	7.3	6.3	6.2
EXTRAVAGANZA (PST-5MCMO)	8.0	7.3	9.0	7.3	4.7	4.3	4.7	5.7	6.7	7.7	7.0	5.7	6.0	6.7	7.7	6.7	6.2
FIRECRACKER G-LS (PPG-TF 315)	8.3	7.3	8.7	7.0	6.0	5.0	4.7	5.3	6.7	8.0	7.0	6.0	5.7	6.3	7.0	6.0	6.2
FIREHAWK SLT	7.7	7.7	8.7	6.3	4.3	4.7	4.7	5.7	6.3	7.3	7.0	5.7	5.3	6.7	7.3	7.0	6.2
PST-5GQ	7.3	7.3	8.3	6.3	3.3	4.7	4.7	6.3	7.7	7.7	7.3	5.0	5.3	6.0	7.0	7.0	6.2
RAPTOR LS (PPG-TF 336)	7.7	7.3	9.0	7.0	5.3	4.7	4.7	5.7	6.7	7.0	6.3	6.0	6.0	6.3	7.3	7.0	6.2
RDC	7.7	7.3	8.7	7.0	5.0	4.7	5.3	6.0	6.7	7.0	7.0	5.3	6.0	6.7	7.0	6.7	6.2
SYMPHONY (PPG-TF 305)	8.3	7.3	8.3	6.7	5.7	4.3	4.3	5.3	6.7	7.0	7.3	6.3	6.0	7.0	7.0	6.7	6.2
TEACHER (PPG-TF 313)	7.0	7.3	8.3	7.0	4.3	5.0	5.3	5.7	6.7	7.3	7.0	5.7	6.0	6.3	7.0	6.7	6.2
BLADERUNNER 3 (DLFPS-321/3701)	7.7	7.3	8.3	6.0	6.0	4.7	4.7	6.0	6.7	7.3	6.7	6.0	5.3	6.3	7.0	6.7	6.1
DLFPS-321/3706	7.3	7.7	8.0	7.0	4.3	5.3	5.3	5.7	6.3	7.0	7.0	5.3	5.7	6.3	6.7	6.3	6.1
DRAGSTER	7.3	6.3	8.0	6.7	6.0	4.7	4.7	5.7	6.3	6.7	7.0	6.0	5.7	6.7	7.3	6.7	6.1
PPG-TF 312	7.3	8.0	8.0	7.3	6.0	4.3	4.3	5.0	6.7	7.3	7.3	6.3	6.0	6.0	7.0	6.3	6.1
SETFM3	8.0	6.7	8.7	6.7	5.7	4.3	4.7	5.7	6.0	6.7	7.0	6.3	5.7	6.7	7.0	6.7	6.1
ATF1768	7.7	7.3	9.0	7.3	6.0	4.7	5.0	5.7	6.3	6.7	6.3	6.3	5.7	6.3	6.3	6.3	6.0
LIFEGUARD	7.0	6.3	8.3	5.7	4.0	4.7	5.0	5.3	6.3	6.7	6.3	5.7	5.3	6.3	7.0	7.0	6.0
OKEEFE (LTP-TF-122)	7.0	7.3	9.0	6.7	4.7	4.3	4.3	5.3	6.3	7.0	6.7	5.7	5.3	6.3	7.7	6.7	6.0
PST-5THM	7.3	7.3	8.7	6.3	4.0	5.0	5.0	6.0	6.3	6.7	6.7	5.3	5.7	6.0	6.7	6.7	6.0
DLFPS-321/3693	8.3	6.7	8.7	5.7	6.3	5.0	5.0	6.0	6.3	7.0	6.7	6.0	5.0	5.3	6.3	6.0	5.9
GLX ACED (PST-5DART)	8.0	6.7	8.3	6.3	6.3	4.7	4.7	5.7	6.3	7.0	7.0	6.0	5.0	5.7	6.3	6.7	5.9
GRANDE 3	8.0	6.7	7.7	6.0	5.0	5.3	5.7	5.7	6.7	6.7	6.3	5.3	5.3	6.0	6.3	5.7	5.9
HOUND OG NINE (DLFPS-321/3702)	8.0	7.7	8.7	5.7	5.3	4.3	4.3	5.3	7.0	7.7	7.0	5.7	5.0	5.3	6.7	6.3	5.9
3B2	7.7	6.0	8.7	5.7	5.7	4.7	5.0	5.7	6.7	6.7	6.7	5.3	4.7	5.7	6.3	6.3	5.8
DYNAMITE G-LS (PPG-TF 254)	7.3	6.7	8.0	6.3	6.3	4.7	4.7	5.3	6.3	6.7	6.7	6.0	5.0	5.7	6.7	6.3	5.8
GRO-PRO (SE53D2)	8.0	6.3	8.7	6.3	4.0	4.3	4.7	5.3	6.3	6.7	6.7	5.3	5.0	6.3	6.7	6.3	5.8
JT 233	8.0	6.7	8.3	6.0	5.7	5.0	5.0	5.7	6.3	7.3	7.0	5.7	4.7	5.3	6.0	5.3	5.8
ORIOLE (PST-5BYOB)	8.3	6.3	8.3	5.3	4.3	5.0	5.0	6.0	6.7	7.3	6.3	5.3	5.0	5.3	6.0	6.0	5.8
RACEWAY (DLFPS-321/3696)	8.3	7.3	8.3	5.7	5.0	4.3	4.3	5.0	6.7	7.7	7.3	6.7	5.3	5.3	6.0	5.3	5.8
RAD-TF105	8.7	7.3	8.7	6.3	4.7	4.3	4.3	5.3	5.7	6.3	6.7	5.7	5.7	6.3	7.0	6.7	5.8
RAPTOR III	7.7	7.0	8.7	6.7	5.3	4.7	4.7	5.0	6.0	6.7	7.0	5.7	5.3	5.7	7.0	6.7	5.8
TOUGH (NAI-TUE)	8.7	6.7	8.0	6.3	5.0	4.3	4.3	4.7	6.0	7.3	7.0	6.0	5.3	6.3	6.3	6.3	5.8
ZION (BAR TF 134)	7.7	7.3	8.7	6.7	4.7	5.0	5.0	6.0	6.7	6.7	5.7	5.0	5.0	5.7	6.7	6.7	5.8
PADRE 2	7.3	7.3	8.3	4.7	5.3	5.0	5.0	6.0	7.0	7.0	6.3	5.3	4.7	5.0	6.0	5.7	5.7
PARAMOUNT	8.0	6.7	8.3	4.7	5.7	5.0	5.0	6.0	6.7	7.3	6.7	6.0	4.7	5.0	5.7	5.0	5.7
DLFPS-321/3695	7.7	6.7	8.7	5.3	5.0	5.0	5.3	6.0	6.3	6.7	6.3	5.3	4.7	5.3	5.7	5.3	5.6
SETFM2	8.7	7.0	8.0	6.3	4.7	4.0	4.0	4.7	6.0	6.7	6.7	5.3	5.3	6.0	6.7	6.7	5.6
ATF2116	7.7	6.0	7.3	5.0	4.3	5.0	4.7	6.0	6.0	6.3	5.7	4.7	4.3	5.3	6.0	6.0	5.5
DLFPS-321/3703	8.0	6.3	8.3	5.3	3.7	4.3	4.3	5.0	6.7	6.7	6.3	5.0	4.7	5.3	6.7	5.7	5.5
ENDGAME (3N1)	8.3	6.3	8.7	5.0	4.7	4.3	4.3	5.0	6.0	7.0	6.3	5.7	5.0	5.7	6.0	5.7	5.5
FAIRFIELD (SETF104)	8.0	6.7	8.3	5.7	4.7	4.7	4.0	5.0	6.0	6.3	6.0	5.3	4.7	5.7	6.7	6.3	5.5

TABLE 13.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT RALEIGH, NC 1/  
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	SUMMER BROWN PATCH			QUALITY RATINGS										MEAN
				DENSITY	WARM	TEMP.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
SR 8700 (TMT1)	8.0	6.0	8.7	5.3	6.3	4.7	4.7	5.3	6.3	7.0	6.3	5.7	5.0	5.0	5.3	5.3	5.5
DLFPS-321/3694	8.0	6.0	8.0	5.7	5.3	4.7	5.0	5.7	6.0	6.3	5.7	5.3	5.0	5.0	5.3	5.0	5.4
NAI-FQZ-17	8.0	5.7	8.3	6.0	4.7	4.7	4.3	4.7	5.7	6.3	6.0	5.0	5.0	5.7	6.3	6.0	5.4
PPG-TF 249	8.0	6.3	8.7	5.7	6.0	4.7	4.7	5.3	6.3	7.3	6.3	5.0	4.7	4.7	5.3	5.3	5.4
ROWDIER (DLFPS-321/3699)	8.3	6.7	7.7	4.7	5.3	4.3	4.3	5.3	6.7	7.3	6.7	5.3	4.3	4.3	5.3	5.0	5.4
TANGO	8.0	6.3	8.3	6.0	4.7	4.3	4.0	4.7	6.0	6.7	6.3	5.3	5.0	5.3	6.0	6.0	5.4
ESTRENA	6.7	6.3	7.7	5.0	4.7	4.3	4.3	5.7	6.3	6.7	6.0	4.7	4.7	5.3	5.3	5.3	5.3
FAYETTE	8.0	6.0	8.7	5.7	6.0	5.0	5.0	5.7	5.7	6.3	6.0	5.3	4.7	4.7	5.0	5.3	5.3
MOONDANCE GLX	7.7	5.3	7.3	5.7	5.0	4.7	4.7	4.7	5.7	6.3	6.0	5.3	4.7	5.3	6.0	5.3	5.3
PST-5DC24	8.0	6.0	8.0	5.3	4.7	4.3	4.0	4.7	5.3	6.7	6.3	5.3	4.3	5.0	6.0	6.0	5.3
PST-5DZM	8.3	6.3	8.0	6.3	4.3	4.3	4.3	4.7	5.7	6.3	5.7	5.0	4.7	5.7	6.3	6.0	5.3
BRAVO 2	7.7	5.7	7.7	5.7	4.3	4.7	4.3	4.7	6.0	6.7	5.3	5.0	4.7	5.3	5.7	5.3	5.2
COPIOUS TF	8.7	6.7	8.0	5.7	3.7	4.0	4.3	5.0	5.7	6.0	5.3	4.7	4.7	5.3	6.0	6.0	5.2
FASTLANE (BY-TF-169)	7.3	6.7	8.7	6.0	5.0	4.0	4.0	4.7	5.3	6.3	6.3	5.0	4.7	5.3	6.0	5.7	5.2
PPG-TF 231	8.0	6.3	7.7	5.3	3.3	4.7	4.7	5.0	5.7	6.3	6.3	5.3	4.3	4.3	5.0	5.0	5.2
TALLADEGA II (NAI-3N2)	7.7	6.3	8.0	5.0	3.7	4.3	4.3	5.0	6.3	6.7	6.3	5.3	4.0	4.7	5.7	5.0	5.2
BARNOBLE (BAR 9FE MAS)	8.0	5.3	7.3	5.0	3.0	4.3	4.7	5.3	6.0	6.0	5.7	4.3	4.3	4.7	5.7	5.3	5.1
LBF	8.0	6.7	8.0	4.3	4.3	4.0	4.0	4.3	5.7	6.7	6.0	4.7	4.3	5.0	5.7	5.7	5.1
MONUMENT (PST-5SQB)	7.7	6.0	7.3	4.7	4.0	4.0	4.0	5.0	5.7	6.0	5.7	4.7	4.3	5.3	5.7	5.7	5.1
NATURALLY GREEN	8.3	6.0	7.3	5.0	4.0	4.7	4.7	5.7	6.0	6.3	5.7	4.7	4.0	4.3	5.0	4.7	5.1
PRO GOLD	7.7	7.0	7.7	5.0	3.7	4.3	4.3	4.7	5.7	6.3	5.7	4.7	4.7	5.0	5.3	5.3	5.1
RAD-TF131	8.0	6.0	8.7	6.3	4.7	4.0	3.7	4.0	5.3	6.0	6.0	5.0	5.0	5.3	6.3	5.7	5.1
BULLSEYE	8.0	6.0	7.7	5.0	4.0	4.3	4.7	5.3	6.0	6.3	5.3	4.3	4.0	4.7	5.0	4.7	5.0
JT 517	7.7	7.0	8.0	4.3	4.3	4.7	4.7	5.0	6.0	6.0	6.0	5.0	4.0	4.7	4.7	4.7	5.0
LAFAYETTE (GO-AOMK)	8.3	6.7	8.3	5.3	3.7	4.0	4.0	4.7	5.7	7.0	6.7	4.3	4.3	4.7	5.3	4.7	5.0
PST-5MINK	8.0	6.0	8.0	5.7	4.0	4.0	4.0	4.7	5.3	6.3	5.7	5.0	4.7	5.0	5.3	4.7	5.0
A-TF31	8.3	7.7	8.7	4.7	4.0	4.3	4.3	5.0	5.7	6.3	6.0	5.0	4.0	4.0	4.7	4.7	4.9
BAR-FA8230	7.7	5.7	8.0	6.0	3.3	4.3	4.3	5.3	5.7	5.7	5.0	4.0	4.0	4.7	5.7	5.3	4.9
BENTLEY (DLFPS-321/3679)	7.7	6.3	7.7	5.3	4.3	4.0	4.0	5.0	5.3	5.7	5.7	4.7	4.3	5.0	5.7	5.0	4.9
GRAND PRIX (FC15-01P)	7.3	5.3	7.3	4.0	2.7	4.3	4.3	5.3	5.7	6.3	6.3	4.0	3.7	4.0	5.0	5.0	4.9
SE5STAR	7.7	5.3	7.0	4.7	3.0	4.0	4.0	4.3	5.0	6.0	5.7	4.7	4.0	4.7	5.7	5.7	4.9
BANDIT	8.0	5.7	7.3	5.3	3.7	4.0	4.3	4.7	5.7	5.7	5.3	4.3	4.3	4.3	5.0	5.0	4.8
RAD-TF115 (TURBO SS)	8.0	6.7	8.3	5.3	3.3	4.0	4.0	4.3	5.7	6.0	5.7	4.3	4.0	5.0	5.3	5.0	4.8
BAR FA 8228	6.7	5.3	6.3	5.3	3.3	4.3	4.7	5.0	5.7	5.3	4.3	3.7	4.3	4.7	5.0	4.7	4.7
TOPSHELF (BGR-TF3)	8.0	5.3	7.0	4.0	3.3	4.3	4.7	5.7	6.0	6.0	5.7	4.0	3.0	3.7	4.0	4.3	4.7
AST8218LM	8.3	5.3	8.0	4.7	4.0	3.7	3.7	4.3	5.7	5.7	5.3	4.7	4.0	4.0	4.3	4.3	4.5
ESCALADE	8.0	5.3	7.0	4.3	3.3	4.7	4.3	5.0	6.0	6.0	5.0	3.7	3.3	3.7	4.3	3.7	4.5
BIRMINGHAM	8.0	5.3	6.7	3.0	2.7	4.0	4.0	5.0	6.0	6.0	5.7	3.7	3.0	3.0	4.0	3.7	4.4
OG-WALK	7.0	4.7	6.7	4.3	3.0	4.3	4.3	4.7	5.3	5.3	5.0	3.3	3.3	3.7	4.3	4.3	4.4
AST8118LM	7.7	6.0	7.3	4.3	3.3	4.3	4.0	4.0	4.7	5.3	5.3	3.7	3.3	4.0	4.3	4.3	4.3
PALOMAR	7.3	5.3	7.3	4.3	4.0	3.7	3.7	4.3	5.0	5.3	4.7	4.0	4.0	4.0	5.0	4.0	4.3
KENTUCKY-31	3.0	4.0	5.7	4.7	3.7	3.0	3.0	4.0	4.7	4.3	4.0	3.3	3.0	3.7	4.0	3.7	3.7
LSD VALUE	0.8	0.9	0.7	1.6	3.2	1.0	1.1	1.4	1.3	1.1	1.1	1.3	1.3	1.4	1.5	1.5	0.8
C.V. (%)	6.2	8.1	5.5	15.2	28.9	11.0	12.8	14.4	11.2	9.5	10.6	14.3	14.9	15.0	13.9	14.6	8.7

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

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

TABLE 14.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT MEAD, NE 1/  
2023 DATA

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

NAME	GENETIC	SPRING	LEAF	DENSITY	COLOR	QUALITY RATINGS								MEAN	
	COLOR	GREENUP	TEXTURE	FALL	NOVEMBER	UNIFORMITY	APR	MAY	JUN	JUL	AUG	SEP	OCT		
CAPITAN (DLFPS-321/3705)	7.0	3.7	7.0	6.7	7.0	6.7	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	7.0
CLASH (AH1)	7.0	3.7	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
DLFPS-321/3693	7.0	4.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
FALCON SUPREME (RH1)	7.0	2.0	7.0	7.0	7.0	6.3	6.7	7.0	7.0	6.7	7.3	7.0	7.0	7.0	7.0
K18-NSE	7.0	2.3	7.0	7.0	7.0	7.0	6.3	6.3	7.0	7.3	8.0	7.0	7.3	7.0	7.0
PPG-TF 249	7.0	2.3	7.0	6.7	7.0	6.7	7.0	7.0	7.0	6.7	7.0	7.0	7.3	7.0	7.0
PPG-TF 312	7.0	3.3	7.0	7.3	7.0	7.0	6.7	6.7	7.0	6.7	7.0	7.3	7.3	7.0	7.0
XANADU (JT 268)	7.0	2.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
BATTLE HAWK (NAI-ROS4)	7.0	3.3	7.0	6.7	7.0	6.7	7.0	7.0	7.0	6.7	7.0	6.7	6.7	6.9	6.9
BENTLEY (DLFPS-321/3679)	7.0	3.3	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.7	6.9	6.9
BLADERUNNER 3 (DLFPS-321/3701)	7.0	3.3	6.7	7.0	7.0	6.7	7.0	7.0	7.0	6.7	7.0	7.0	6.7	6.9	6.9
DRAGSTER	7.0	2.3	7.0	7.0	7.0	6.7	6.7	6.7	7.0	7.0	7.0	6.7	7.0	6.9	6.9
FINELAWN SUPREME (RH3)	7.0	3.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.3	7.0	6.9	6.9
JT 233	7.0	2.3	7.0	6.7	7.0	6.7	7.0	7.0	7.0	6.7	6.7	6.7	7.0	6.9	6.9
PADRE 2	6.7	3.3	7.0	6.7	7.0	6.7	7.0	7.0	7.0	6.7	6.7	6.7	7.0	6.9	6.9
PPG-TF 316	7.3	4.3	7.0	6.3	7.0	7.0	6.7	7.0	7.0	7.0	7.0	6.7	7.0	6.9	6.9
PROVIDENCE (GO-RH20)	7.0	2.7	7.0	7.0	7.0	7.0	6.7	7.0	7.0	6.7	7.0	7.0	7.0	6.9	6.9
PST-5GQ	6.7	3.3	7.0	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.3	7.0	6.7	6.9	6.9
RS1	7.0	4.0	7.0	7.0	6.7	7.0	6.7	6.7	6.7	7.0	7.0	7.0	7.0	6.9	6.9
SPYDER 2LS (ZRC1)	6.7	4.3	7.0	6.7	7.0	6.7	6.3	7.0	7.0	7.0	7.0	6.7	7.0	6.9	6.9
SYMPHONY (PPG-TF 305)	7.0	2.3	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	6.7	7.0	7.0	6.9	6.9
VALSETZ (PPG-TF 257)	7.0	2.7	7.0	6.7	7.0	6.7	7.0	7.0	7.0	6.7	7.0	6.7	7.0	6.9	6.9
ZION (BAR TF 134)	7.0	2.7	7.0	7.0	7.0	7.0	6.7	6.7	7.0	7.0	7.0	7.0	7.0	6.9	6.9
5LSS	7.0	2.7	7.0	7.3	7.0	6.7	6.3	6.3	7.0	7.0	7.0	7.0	7.0	6.8	6.8
DLFPS-321/3706	7.0	2.3	7.0	7.0	7.0	6.7	6.3	6.7	6.7	7.0	7.0	6.7	7.0	6.8	6.8
ENDGAME (3N1)	7.0	2.7	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.7	6.0	6.7	7.0	6.8	6.8
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	3.3	7.0	6.7	7.0	6.7	6.7	6.7	6.7	7.0	7.0	6.7	6.7	7.0	6.8
EXPANSE (PPG-TF 262)	7.0	2.3	7.0	6.7	7.0	6.7	6.7	6.7	7.0	6.7	7.0	6.7	6.7	6.8	6.8
FIRECRACKER G-LS (PPG-TF 315)	7.0	2.3	7.0	6.7	7.0	7.0	6.3	6.7	6.7	7.0	7.0	7.0	6.7	6.8	6.8
HELLCAT GLR (PST-5E6)	7.0	3.0	7.0	6.3	7.0	6.7	6.7	6.7	7.0	6.7	7.0	6.7	6.7	6.8	6.8
PPG-TF 337	7.0	2.7	7.0	6.7	7.0	6.7	6.7	6.7	7.0	6.3	7.3	6.7	7.0	6.8	6.8
PST-5DC24	7.3	1.7	7.0	7.0	7.0	7.0	6.7	7.0	7.0	7.0	6.3	6.7	6.7	6.8	6.8
SR 8700 (TMT1)	7.0	2.7	7.0	7.0	7.0	6.7	7.0	7.0	6.7	6.7	6.7	6.7	7.0	6.8	6.8
TEACHER (PPG-TF 313)	7.0	3.0	7.0	6.7	7.0	6.7	6.7	7.0	7.0	6.7	6.7	6.7	7.0	6.8	6.8
TITAN GLX (TF445)	7.0	2.3	7.0	7.0	7.0	6.7	6.7	6.7	7.0	6.3	7.0	7.0	6.7	6.8	6.8
TITAN MAX (TF456)	7.0	3.3	7.0	7.0	7.0	6.7	6.7	6.7	7.0	6.3	7.0	7.0	7.0	6.8	6.8
TITANIUM G-LS (PPG-TF 255)	7.0	1.3	7.0	6.3	7.0	7.0	6.7	6.7	7.0	7.0	7.0	6.7	6.7	6.8	6.8
AVENGER III (PPG-TF 308)	7.0	3.7	7.0	6.7	7.0	6.0	7.0	6.7	6.7	6.3	6.7	7.0	6.7	6.7	6.7
BULLSEYE LTZ	7.0	1.3	7.0	7.0	7.0	7.0	6.3	6.3	6.7	6.7	7.0	7.0	7.0	6.7	6.7
COL-TF-148	7.0	4.3	6.7	7.0	7.0	7.0	6.7	6.7	7.0	6.7	7.0	6.0	6.7	6.7	6.7
DAYBREAK (AH2)	7.0	2.0	7.0	7.0	7.0	7.0	6.3	6.3	6.7	6.7	7.0	7.0	7.0	6.7	6.7
DLFPS-321/3694	6.7	5.0	7.0	7.0	6.7	6.3	6.7	6.5	6.7	6.3	6.7	7.0	6.7	6.7	6.7
DLFPS-321/3707	7.0	4.0	7.0	7.0	7.0	6.7	6.7	6.7	6.7	6.3	7.0	7.0	6.7	6.7	6.7
DLFPS-321/3708	7.3	3.3	7.0	7.0	7.0	6.7	6.7	6.7	7.0	7.0	7.0	6.7	6.0	6.7	6.7
ESTRENA	7.3	3.0	7.0	6.3	6.3	7.0	6.3	7.0	7.0	7.3	6.3	6.3	6.7	6.7	6.7

TABLE 14.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT MEAD, NE 1/  
2023 DATA

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

NAME	GENETIC	SPRING	LEAF	DENSITY	COLOR	UNIFORMITY	APR	MAY	QUALITY RATINGS					MEAN
	COLOR	GREENUP	TEXTURE	FALL	NOVEMBER				JUN	JUL	AUG	SEP	OCT	
FASTLANE (BY-TF-169)	7.3	3.0	7.0	7.0	7.0	6.7	6.3	6.3	7.0	6.7	7.0	7.0	6.7	6.7
FIREHAWK SLT	7.0	2.0	7.0	7.0	7.0	6.7	6.3	6.7	6.7	6.3	7.0	6.7	7.0	6.7
FIRENZA II (PPG-TF 244)	7.0	3.7	7.0	6.7	7.0	6.7	6.7	6.7	6.7	6.7	6.7	7.0	6.7	6.7
GALLARDO (DLFPS-TF/3550)	7.0	3.3	7.0	7.0	7.0	6.7	6.7	6.7	6.3	6.7	7.0	6.7	7.0	6.7
GRAND PRIX (FC15-01P)	7.0	3.3	7.0	6.0	7.0	6.7	6.7	7.0	7.0	6.7	6.3	6.3	7.0	6.7
HEMI	7.0	2.0	7.0	7.0	7.0	6.7	6.7	6.7	6.7	6.3	7.0	6.3	7.0	6.7
HOUNDOG NINE (DLFPS-321/3702)	7.0	3.3	7.0	7.0	6.3	6.7	6.3	6.3	6.7	6.7	7.0	7.0	6.7	6.7
JT 517	7.0	3.3	7.0	6.7	7.0	7.0	6.7	6.7	7.0	7.0	6.3	6.3	7.0	6.7
K18-RS6	6.7	2.7	7.0	7.0	6.7	6.7	6.0	6.3	6.7	6.7	7.0	7.0	7.0	6.7
NAI-ST5	7.0	4.0	7.0	7.0	7.0	7.0	6.0	6.3	7.0	7.0	7.0	6.7	7.0	6.7
OKEEFE (LTP-TF-122)	7.0	3.3	7.0	6.7	7.0	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
RACEWAY (DLFPS-321/3696)	7.0	3.7	6.7	7.0	7.0	6.0	6.7	6.7	6.3	6.7	7.0	6.7	6.7	6.7
RAPTOR LS (PPG-TF 336)	7.3	3.3	7.0	6.3	7.0	6.7	6.3	6.7	6.7	6.7	7.0	6.7	7.0	6.7
RC4	7.0	3.3	7.0	7.0	7.0	6.7	6.7	6.7	7.0	6.7	6.3	6.7	7.0	6.7
RDC	7.0	3.7	7.0	7.0	7.0	6.7	6.7	6.7	6.3	6.7	7.0	7.0	6.7	6.7
RHF	7.0	2.0	7.0	6.7	6.3	7.0	6.0	6.7	7.0	7.0	7.0	6.3	7.0	6.7
SERENADE (PPG-TF 320)	6.7	3.7	7.0	6.3	7.0	7.0	6.7	7.0	7.0	7.0	7.0	6.0	6.0	6.7
TD2	7.0	3.0	7.0	7.0	7.0	6.7	6.7	6.7	7.0	6.7	6.7	7.0	6.3	6.7
TRIAD (PPG-TF 323)	7.0	3.7	7.0	7.0	7.0	7.0	6.3	6.7	7.0	7.0	6.3	6.7	6.7	6.7
3B2	7.0	3.0	7.0	6.7	7.0	6.7	6.7	6.7	7.0	6.7	6.7	6.3	6.3	6.6
BONFIRE (JS DTT)	7.0	2.7	7.0	6.7	7.0	6.7	6.7	6.7	6.3	6.3	7.0	6.7	6.7	6.6
BRAVO 2	7.0	3.0	7.0	6.3	7.0	7.0	6.0	6.3	7.0	7.0	6.3	6.7	6.7	6.6
COPIOUS TF	7.0	1.7	7.0	6.7	7.0	7.0	6.0	6.3	7.0	7.0	6.3	6.7	6.7	6.6
DEGAS (LTP-TF-111)	7.0	3.7	7.0	6.7	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.0
DLFPS-321/3695	6.7	4.3	6.7	7.0	6.7	6.3	6.7	6.7	6.3	6.3	7.0	7.0	6.3	6.6
DLFPS-TF/3553	7.0	3.3	6.7	7.0	6.7	6.3	6.7	6.7	6.3	6.3	7.0	6.7	6.7	6.6
DYNAMITE G-LS (PPG-TF 254)	7.0	2.0	7.0	6.7	7.0	6.7	6.3	6.3	7.0	6.7	6.7	6.7	6.3	6.6
ESCALADE	6.7	1.7	7.0	6.7	7.0	7.0	6.7	6.7	7.0	6.7	6.3	6.3	6.3	6.6
GALACTIC (SESCR1)	7.0	2.3	7.0	6.7	7.0	6.3	6.3	6.3	6.7	6.3	7.0	6.7	7.0	6.6
GRO-PRO (SE53D2)	7.0	2.3	7.0	6.7	7.0	7.0	6.7	7.0	7.0	7.0	6.3	6.0	6.0	6.6
K18-WB1	7.0	2.7	7.0	6.7	7.0	7.0	6.0	6.3	6.7	6.7	7.0	6.7	7.0	6.6
NT-3	7.0	3.0	7.0	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.3
PARAMOUNT	7.0	3.3	6.0	6.7	6.7	6.7	6.3	6.7	6.3	6.3	7.0	7.0	6.7	6.6
PPG-TF 231	7.0	5.0	7.0	7.0	7.0	6.7	6.3	7.0	7.0	6.7	6.0	6.7	6.3	6.6
PRO GOLD	7.0	3.0	7.0	6.7	7.0	7.0	6.7	6.7	6.7	6.7	6.3	6.7	6.7	6.6
PST-5THM	7.0	3.3	7.0	6.3	7.0	6.7	7.0	7.0	6.7	6.3	7.0	6.0	6.3	6.6
RHL2	7.0	2.7	7.0	7.0	7.0	6.7	6.3	6.3	7.0	6.3	7.0	6.7	6.7	6.6
ROVER (PPG-TF 306)	7.0	1.7	7.0	6.3	7.0	7.0	6.0	6.3	6.7	6.7	7.0	6.7	6.7	6.6
ROWDIER (DLFPS-321/3699)	7.0	3.0	6.3	6.3	7.0	6.3	6.7	6.7	6.3	6.0	7.3	6.7	6.7	6.6
SE5STAR	7.0	3.7	7.0	6.3	7.0	7.0	6.7	6.7	7.0	6.7	6.3	6.3	6.3	6.6
SETFM3	6.7	3.0	7.0	6.7	7.0	6.3	6.7	6.7	7.0	6.3	6.0	6.7	6.7	6.6
SOUTHSIDE (PPG-TF 267)	6.7	3.7	7.0	6.7	7.0	6.3	6.3	6.3	6.7	6.3	7.0	6.7	7.0	6.6
A-TF31	7.0	2.0	7.0	6.0	7.0	7.0	6.3	6.3	7.0	7.0	6.7	6.0	6.3	6.5
AST8118LM	7.3	2.7	7.0	6.7	7.0	6.7	6.0	6.7	6.7	6.7	6.0	6.7	6.7	6.5
ATF2116	7.0	2.3	6.3	6.3	7.0	6.7	6.3	6.3	6.7	6.7	6.3	6.3	6.7	6.5

TABLE 14.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT MEAD, NE 1/  
2023 DATA

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

NAME	GENETIC	SPRING	LEAF	DENSITY	COLOR	UNIFORMITY	APR	MAY	QUALITY RATINGS					MEAN
	COLOR	GREENUP	TEXTURE	FALL	NOVEMBER				JUN	JUL	AUG	SEP	OCT	
BULLSEYE	7.0	3.0	7.0	6.3	7.0	7.0	6.3	6.3	6.7	6.3	6.7	6.3	6.3	6.5
EXTRAVAGANZA (PST-5MCMO)	7.0	3.0	7.0	6.3	7.0	6.7	6.3	6.3	6.7	6.3	6.3	6.3	6.3	6.5
FAIRFIELD (SETF104)	7.0	3.3	7.0	7.0	7.0	6.3	6.3	6.3	6.7	6.3	6.3	6.3	6.7	6.5
FAYETTE	7.0	3.0	6.3	7.0	7.0	6.3	6.3	6.3	6.3	6.3	6.7	6.3	7.0	6.5
GLX ACED (PST-5DART)	7.0	2.7	7.0	6.0	7.0	6.3	6.7	6.7	6.7	6.3	6.7	6.0	6.7	6.5
GLX REVIVE (PST-5GLBS)	7.0	2.3	7.0	6.7	7.0	6.7	6.3	6.3	6.3	6.3	7.0	6.7	6.3	6.5
GRANDE 3	7.0	4.0	6.7	6.7	7.0	6.7	6.3	6.3	6.3	6.3	6.7	6.7	6.7	6.5
MOONDANCE GLX	6.7	3.0	7.0	6.7	7.0	7.0	6.3	6.3	6.7	6.3	6.3	6.7	6.7	6.5
OG-WALK	7.0	1.7	7.0	6.3	7.0	7.0	6.0	6.7	7.0	6.7	6.3	6.3	6.3	6.5
ORIOLE (PST-5BYOB)	7.0	3.0	7.0	6.7	7.0	7.0	6.3	6.3	6.3	7.0	6.0	6.3	7.0	6.5
PPG-TF 318	7.0	2.3	7.0	6.3	7.0	7.0	6.3	6.3	6.7	6.7	6.7	6.3	6.7	6.5
PST-5TRN	6.7	3.0	7.0	6.3	7.0	6.3	6.3	6.3	6.7	6.7	6.3	6.7	6.3	6.5
RAD-TF115 (TURBO SS)	7.0	3.0	7.0	6.7	7.0	6.7	5.7	6.3	6.3	6.3	6.7	7.0	7.0	6.5
STEALTH (PPG-TF 238)	7.0	2.0	7.0	6.7	7.0	6.7	6.7	6.7	6.7	6.3	6.7	6.3	6.0	6.5
TANK (PPG-TF 338)	7.0	3.3	7.0	6.7	7.0	6.7	6.7	6.7	7.0	6.7	6.3	6.3	6.0	6.5
ATF1768	7.0	3.3	6.3	6.3	6.3	7.0	6.3	6.3	6.7	6.7	6.0	6.3	6.3	6.4
BANDIT	7.0	2.7	7.0	6.3	7.0	6.0	6.7	6.7	6.7	6.0	6.3	6.3	6.3	6.4
BARNOBLE (BAR 9FE MAS)	7.0	3.0	6.3	6.7	7.0	6.7	6.3	6.3	6.3	6.3	6.0	6.3	7.0	6.4
BIRMINGHAM	7.0	1.7	7.0	6.7	7.0	6.7	5.7	6.0	6.7	6.7	6.3	6.7	7.0	6.4
KIZZLE (K18-ROE)	7.0	4.0	6.0	6.7	7.0	6.7	6.3	6.3	6.3	6.3	6.7	6.7	6.3	6.4
LIFEGUARD	6.7	3.0	7.0	6.3	7.0	6.7	6.0	6.3	6.3	6.3	6.3	6.3	7.0	6.4
NAI-FQZ-17	7.0	2.7	7.0	6.3	7.0	6.7	6.0	6.0	6.3	6.3	6.7	6.3	7.0	6.4
PST-5DZM	7.0	2.7	7.0	6.7	7.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	7.0	6.4
RAD-TF105	7.0	3.3	7.0	6.3	7.0	6.3	6.3	6.7	6.7	6.3	6.3	6.3	6.3	6.4
TALLADEGA II (NAI-3N2)	7.0	3.3	7.0	7.0	7.0	6.3	6.3	6.3	6.7	6.0	6.3	6.3	7.0	6.4
TOUGH (NAI-TUE)	7.3	2.7	7.0	6.7	7.0	6.3	5.7	6.0	6.3	6.3	6.7	7.0	7.0	6.4
AST8218LM	7.0	3.3	7.0	6.3	7.0	6.3	6.7	6.7	6.7	6.0	6.0	6.3	6.0	6.3
BAR-FA8230	7.0	1.7	7.0	7.0	7.0	6.7	5.7	6.0	6.0	6.0	6.7	6.7	7.0	6.3
DLFPS-321/3703	6.7	2.7	7.0	7.0	7.0	6.3	6.0	6.0	6.7	6.3	6.0	6.3	7.0	6.3
LAFAYETTE (GO-AOMK)	7.3	3.0	7.0	6.7	6.3	7.0	5.7	6.0	6.0	6.0	7.0	7.0	6.7	6.3
MONUMENT (PST-5SQB)	6.7	3.7	7.0	6.3	6.7	6.3	6.3	6.3	6.0	6.3	6.0	6.3	7.0	6.3
PALOMAR	7.0	3.3	7.0	7.0	7.0	7.0	6.0	6.0	6.7	6.7	6.0	6.3	6.7	6.3
PST-5MINK	7.0	3.0	7.0	6.0	7.0	6.3	6.3	6.3	6.3	6.0	6.3	6.3	6.3	6.3
RAD-TF131	7.0	2.3	7.0	6.3	7.0	6.7	5.7	6.0	6.7	6.7	6.3	6.3	6.7	6.3
RAPTOR III	7.0	2.7	7.0	6.3	7.0	6.7	6.0	6.3	6.7	6.3	6.3	6.3	6.3	6.3
TANGO	7.0	1.3	7.0	7.0	7.0	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3
TOPSHELF (BGR-TF3)	7.3	3.3	6.7	6.3	6.7	6.3	6.0	6.3	6.3	6.3	6.3	6.3	6.7	6.3
NATURALLY GREEN	7.0	4.3	6.3	6.0	7.0	6.3	6.7	6.3	6.3	6.3	6.0	6.0	6.0	6.2
SETFM2	7.0	3.7	7.0	6.0	7.0	6.3	6.3	6.3	6.0	6.0	6.0	6.0	6.7	6.2
LBF	7.0	3.3	6.0	6.3	7.0	6.3	6.0	6.0	6.0	6.0	6.3	6.0	6.3	6.1
BAR FA 8228	7.0	3.0	6.0	6.0	7.0	7.0	6.0	5.7	6.0	6.0	6.0	5.3	5.7	5.8
KENTUCKY-31	4.7	3.0	7.0	6.3	7.0	6.0	6.7	6.0	6.0	4.3	4.7	5.3	5.7	5.5
LSD VALUE	0.5	5.2	0.3	1.2	1.1	1.8	2.8	1.9	1.0	1.2	0.7	1.4	0.9	0.5
C.V. (%)	3.9	41.4	2.6	6.6	3.6	6.7	9.3	7.5	6.2	7.7	6.0	7.6	6.4	4.2

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 2018 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

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

NAME	BROWN PATCH				QUALITY RATINGS					MEAN
	WARM TEMP.	APR	MAY	JUN	JUL	AUG	SEP	OCT		
PROVIDENCE (GO-RH20)	8.0	7.7	7.3	8.0	6.3	8.0	7.7	7.7	7.5	
SOUTHSIDE (PPG-TF 267)	9.0	7.3	7.7	8.0	7.3	8.3	7.3	6.7	7.5	
DAYBREAK (AH2)	9.0	7.7	7.7	7.0	8.0	9.0	6.7	6.0	7.4	
SPYDER 2LS (ZRC1)	9.0	6.3	6.3	7.7	7.7	8.0	7.0	7.0	7.1	
BULLSEYE LTZ	8.0	6.7	8.7	7.0	7.3	6.7	6.7	6.3	7.0	
EXPANSE (PPG-TF 262)	9.0	8.3	7.7	8.3	7.7	7.7	5.3	4.3	7.0	
SERENADE (PPG-TF 320)	8.7	7.3	7.3	7.0	7.3	6.7	7.0	6.7	7.0	
CLASH (AH1)	8.0	7.3	6.7	8.0	6.7	6.7	6.7	6.0	6.9	
RC4	8.0	7.3	8.0	7.0	7.7	6.3	5.3	6.7	6.9	
STEALTH (PPG-TF 238)	9.0	7.3	7.7	7.0	7.3	6.3	6.3	6.3	6.9	
TITANIUM G-LS (PPG-TF 255)	8.7	6.3	7.0	7.0	8.0	6.7	6.3	6.7	6.9	
FINELAWN SUPREME (RH3)	8.0	8.0	7.7	8.0	7.0	7.7	4.3	5.0	6.8	
FIRENZA II (PPG-TF 244)	6.7	8.3	7.0	8.0	6.3	6.7	5.7	5.7	6.8	
JT 233	8.3	6.7	7.3	7.3	8.0	6.7	6.0	5.3	6.8	
PADRE 2	8.7	6.3	7.3	6.3	7.0	6.0	7.3	6.3	6.7	
BATTLE HAWK (NAI-ROS4)	8.3	6.7	6.3	7.3	6.7	5.7	6.7	7.0	6.6	
DLFPS-321/3693	9.0	5.3	7.3	7.7	7.3	7.0	5.7	5.7	6.6	
DLFPS-321/3707	7.3	5.7	6.0	6.0	7.3	7.0	7.0	7.0	6.6	
GALLARDO (DLFPS-TF/3550)	8.3	8.0	6.7	7.0	8.0	6.7	4.7	4.7	6.5	
SYMPHONY (PPG-TF 305)	6.7	6.0	7.7	6.7	6.3	6.7	6.0	6.0	6.5	
TANK (PPG-TF 338)	8.7	6.0	7.0	7.3	7.3	6.0	6.3	5.7	6.5	
PPG-TF 231	9.0	6.0	7.0	6.3	7.3	7.0	5.7	5.3	6.4	
TALLADEGA II (NAI-3N2)	8.7	5.7	7.0	6.7	8.3	6.3	5.3	5.3	6.4	
XANADU (JT 268)	8.7	7.7	7.7	7.0	7.7	5.7	4.7	4.3	6.4	
DLFPS-321/3706	8.3	5.3	7.3	6.7	6.7	7.3	5.0	6.0	6.3	
FIREHAWK SLT	9.0	6.7	7.3	6.7	6.3	6.7	4.3	6.0	6.3	
RAPTOR III	9.0	5.7	6.3	6.0	7.0	7.3	5.7	6.0	6.3	
TITAN GLX (TF445)	8.7	5.7	7.3	7.0	7.3	6.7	4.3	5.7	6.3	
DLFPS-321/3703	6.7	6.7	6.7	7.0	7.0	5.0	5.0	6.0	6.2	
DYNAMITE G-LS (PPG-TF 254)	8.3	5.7	6.3	6.0	7.3	6.3	5.7	6.3	6.2	
ENDGAME (3N1)	8.3	8.0	7.3	7.0	7.0	5.3	4.3	4.7	6.2	
NT-3	8.7	6.3	7.7	7.7	7.7	6.0	4.0	4.0	6.2	
AVENGER III (PPG-TF 308)	9.0	5.7	6.7	5.7	6.0	7.0	6.3	5.7	6.1	
COL-TF-148	8.0	5.3	5.7	7.3	6.3	6.0	6.3	6.0	6.1	
FALCON SUPREME (RH1)	7.7	7.0	5.7	6.0	6.7	6.7	5.3	5.7	6.1	
NAI-ST5	8.0	7.0	6.7	6.7	6.0	4.7	6.0	5.7	6.1	
PRO GOLD	8.7	7.3	6.7	5.3	6.7	6.0	6.0	4.7	6.1	
RDC	9.0	6.0	7.3	7.3	7.3	7.0	3.3	4.7	6.1	
TD2	7.3	6.7	7.3	8.3	6.7	5.3	4.0	4.3	6.1	
5LSS	9.0	5.3	8.3	8.0	7.7	6.3	3.3	3.3	6.0	
DLFPS-321/3694	8.7	6.3	6.7	7.7	8.0	6.3	3.3	3.7	6.0	
DLFPS-321/3695	9.0	5.3	6.3	7.0	7.0	5.7	5.3	5.0	6.0	
GLX ACED (PST-5DART)	7.7	5.3	7.7	6.3	6.0	6.0	5.0	6.0	6.0	
HOUNDOG NINE (DLFPS-321/3702)	8.7	5.7	6.3	6.7	6.0	6.0	5.7	6.0	6.0	
K18-RS6	9.0	5.7	5.7	6.3	7.3	5.7	5.0	6.0	6.0	

TABLE 15.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

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

NAME	BROWN PATCH					QUALITY RATINGS				MEAN
	WARM TEMP.	APR	MAY	JUN	JUL	AUG	SEP	OCT		
PARAMOUNT	9.0	5.0	7.0	6.3	8.3	8.0	3.7	4.0	6.0	
PPG-TF 316	8.0	5.7	7.0	7.0	6.0	6.7	4.7	4.7	6.0	
PPG-TF 337	6.3	7.7	7.7	7.3	5.7	5.3	4.3	3.7	6.0	
RHF	8.7	6.0	7.3	7.0	8.3	4.7	3.7	4.7	6.0	
ROVER (PPG-TF 306)	7.0	6.3	8.7	8.3	5.3	6.7	3.7	3.3	6.0	
TITAN MAX (TF456)	8.3	6.0	6.7	7.7	6.7	5.3	4.3	5.0	6.0	
VALSETZ (PPG-TF 257)	7.0	5.3	7.0	6.7	6.0	6.0	5.7	5.7	6.0	
3B2	9.0	5.7	6.7	6.3	6.0	7.0	6.0	3.3	5.9	
BONFIRE (JS DTT)	8.7	4.7	5.3	7.0	6.7	6.3	5.3	5.7	5.9	
DLFPS-TF/3553	9.0	5.0	6.3	7.3	7.7	6.7	4.0	4.3	5.9	
ESTRENA	8.7	6.7	6.3	7.0	7.7	4.7	4.3	4.7	5.9	
GALACTIC (SESCR1)	7.3	4.7	6.3	7.0	5.7	6.0	6.0	5.7	5.9	
KIZZLE (K18-ROE)	9.0	5.0	6.0	6.0	6.3	4.7	6.0	7.0	5.9	
BLADERUNNER 3 (DLFPS-321/3701)	6.7	5.7	7.0	6.7	6.3	5.0	4.0	5.7	5.8	
DLFPS-321/3708	7.3	6.3	6.0	5.7	6.0	5.3	5.3	5.7	5.8	
ESSENTIAL 2 (DLFPS-TF/3552)	7.7	4.7	6.3	6.7	6.0	6.0	5.0	6.0	5.8	
HELLCAT GLR (PST-5E6)	9.0	6.3	6.0	5.3	6.0	6.0	5.3	5.7	5.8	
OKEEFE (LTP-TF-122)	7.0	5.7	7.0	7.7	6.3	6.0	3.7	4.3	5.8	
RACEWAY (DLFPS-321/3696)	9.0	5.7	6.0	7.0	7.0	5.7	4.7	4.3	5.8	
A-TF31	8.7	6.0	7.7	6.3	6.7	5.3	3.3	3.7	5.6	
BENTLEY (DLFPS-321/3679)	8.7	5.0	6.3	6.3	7.0	4.7	5.0	4.7	5.6	
K18-WB1	8.0	6.0	5.7	6.7	6.3	6.0	4.0	4.7	5.6	
MONUMENT (PST-5SQB)	8.7	4.3	7.0	6.0	6.0	4.7	5.3	5.7	5.6	
PST-5TRN	7.3	6.0	6.0	6.0	5.7	4.3	6.3	5.0	5.6	
TEACHER (PPG-TF 313)	8.7	4.7	6.7	6.7	7.3	6.3	3.7	3.7	5.6	
PPG-TF 249	5.3	7.0	8.3	8.0	4.0	4.0	3.7	3.3	5.5	
PST-5GQ	7.3	6.3	6.3	6.3	6.0	5.0	4.7	4.0	5.5	
RHL2	8.7	5.3	7.0	7.3	6.7	6.3	3.3	2.7	5.5	
RS1	9.0	5.0	5.3	5.7	6.7	6.3	5.0	4.7	5.5	
LIFEGUARD	8.0	6.0	5.3	5.0	6.0	5.3	5.0	5.0	5.4	
PST-5DC24	8.0	5.7	6.3	6.3	5.3	4.7	4.7	4.7	5.4	
DEGAS (LTP-TF-111)	8.7	6.3	7.3	7.3	7.3	4.7	2.0	2.0	5.3	
FAYETTE	8.7	5.7	6.0	6.3	7.3	6.0	3.0	3.0	5.3	
GRO-PRO (SE53D2)	9.0	4.7	6.3	6.0	5.7	4.7	5.3	4.3	5.3	
ORIOLE (PST-5BYOB)	7.0	6.0	5.3	6.7	4.3	5.0	5.7	4.3	5.3	
PPG-TF 318	9.0	5.3	6.0	5.7	6.3	6.0	4.0	4.0	5.3	
BRAVO 2	7.0	7.3	5.3	5.3	5.7	4.7	4.3	4.0	5.2	
COPIOUS TF	8.3	5.7	6.3	5.3	5.7	4.7	4.0	4.7	5.2	
GLX REVIVE (PST-5GLBS)	7.7	4.3	6.0	6.0	5.3	5.3	4.7	5.0	5.2	
GRANDE 3	8.7	4.7	5.3	5.0	7.0	6.0	4.3	4.0	5.2	
LAFAYETTE (GO-AOMK)	8.0	5.0	6.3	5.0	5.7	5.3	4.3	5.0	5.2	
LBF	8.7	6.0	5.3	5.7	6.0	4.7	4.3	4.7	5.2	
BULLSEYE	8.0	5.7	6.0	5.7	6.3	4.7	3.3	4.3	5.1	
FAIRFIELD (SETF104)	5.0	7.0	7.7	7.3	4.7	4.0	2.3	2.7	5.1	
FIRECRACKER G-LS (PPG-TF 315)	6.3	5.7	6.7	6.7	5.7	5.0	3.7	2.7	5.1	

TABLE 15.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

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

NAME	BROWN PATCH		QUALITY RATINGS						
	WARM TEMP.	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
K18-NSE	8.7	3.7	5.3	6.0	6.7	6.3	4.3	3.3	5.1
PST-5DZM	7.7	6.3	5.7	7.0	5.7	4.3	3.0	3.7	5.1
ROWDIER (DLFPS-321/3699)	8.3	5.0	5.0	5.0	6.7	5.0	4.3	5.0	5.1
TRIAD (PPG-TF 323)	6.7	5.0	6.0	6.3	5.3	5.7	3.7	3.7	5.1
ATF1768	8.3	6.0	6.7	5.0	4.3	5.0	4.3	4.0	5.0
BANDIT	6.0	7.0	6.3	6.3	3.3	4.7	3.3	3.7	5.0
EXTRAVAGANZA (PST-5MCMO)	7.0	6.0	5.3	4.7	5.0	5.0	4.3	4.7	5.0
HEMI	8.3	5.0	5.7	5.7	7.0	4.3	3.3	3.7	5.0
SR 8700 (TMT1)	8.7	4.3	6.3	5.7	6.0	4.7	4.0	4.3	5.0
AST8118LM	6.3	6.3	6.3	6.0	5.3	3.3	3.0	4.0	4.9
BIRMINGHAM	7.0	6.7	5.0	5.7	4.7	3.7	4.0	4.3	4.9
FASTLANE (BY-TF-169)	8.3	4.7	5.3	5.0	6.3	4.7	4.0	4.0	4.9
MOONDANCE GLX	8.3	5.0	4.3	6.0	5.0	5.0	4.3	4.7	4.9
ZION (BAR TF 134)	6.7	4.3	5.0	5.3	6.3	4.0	4.3	4.7	4.9
NATURALLY GREEN	7.7	6.3	5.3	5.7	4.7	4.0	3.7	4.0	4.8
PPG-TF 312	8.7	3.7	5.0	5.0	7.3	7.0	3.0	2.7	4.8
RAD-TF131	8.7	6.7	6.3	6.7	5.7	4.0	2.0	2.3	4.8
RAPTOR LS (PPG-TF 336)	4.7	7.0	7.0	6.7	5.3	4.0	1.7	1.7	4.8
TOUGH (NAI-TUE)	8.3	6.0	4.7	5.0	5.0	4.0	4.3	4.0	4.7
DRAGSTER	7.0	5.0	5.3	5.0	5.3	4.3	3.3	3.7	4.6
JT 517	8.0	5.0	5.3	4.3	5.7	4.3	3.7	4.0	4.6
CAPTAN (DLFPS-321/3705)	3.7	5.0	6.3	6.7	4.0	3.3	3.3	3.0	4.5
PST-5MINK	8.7	5.0	5.0	5.0	5.7	4.3	3.0	3.3	4.5
RAD-TF105	4.0	6.0	6.7	6.7	4.3	3.0	2.3	2.7	4.5
TOPSHELF (BGR-TF3)	8.0	4.7	6.7	5.0	4.7	3.7	3.7	3.0	4.5
ATF2116	8.3	4.3	4.7	5.0	4.3	4.0	4.7	4.0	4.4
SETFM2	6.7	5.3	6.0	4.7	5.0	4.3	3.7	2.0	4.4
NAI-FQZ-17	7.0	6.0	5.7	5.7	4.7	3.0	2.7	2.7	4.3
SE5STAR	5.3	5.3	5.3	5.7	4.0	3.3	3.7	2.7	4.3
SETFM3	8.7	5.3	5.0	4.7	5.0	4.3	3.0	2.7	4.3
TANGO	6.7	5.3	6.0	5.3	4.0	3.3	3.0	3.3	4.3
PST-5THM	6.0	5.3	3.7	4.7	4.0	3.0	4.3	4.7	4.2
RAD-TF115 (TURBO SS)	6.3	6.0	6.3	6.7	4.3	3.0	1.7	1.3	4.2
AST8218LM	7.0	4.3	5.3	4.7	5.0	2.3	3.0	3.3	4.0
GRAND PRIX (FC15-01P)	6.3	4.0	4.7	4.7	4.7	3.0	2.3	3.0	3.8
ESCALADE	7.3	4.3	4.7	4.0	5.3	3.7	2.3	1.7	3.7
BAR-FA8230	7.0	3.7	4.7	3.3	3.7	3.0	2.7	3.3	3.5
BAR FA 8228	7.3	2.7	4.0	3.7	2.7	2.3	2.3	3.0	3.0
OG-WALK	6.7	2.0	4.3	5.0	3.0	2.0	2.3	2.3	3.0
PALOMAR	5.7	2.7	4.7	3.3	3.3	2.0	2.3	2.3	3.0
BARNOBLE (BAR 9FE MAS)	9.0	2.0	3.0	2.7	2.3	2.3	2.0	1.7	2.3
KENTUCKY-31	9.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LSD VALUE	3.9	2.4	2.2	2.0	2.6	3.0	3.2	3.2	1.4
C.V. (%)	20.0	23.3	19.5	18.8	23.8	30.7	36.8	36.3	15.9

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

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

TABLE 16.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT ADELPHIA, NJ 1/  
2023 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	OCT	MEAN
DAYBREAK (AH2)	8.7	6.7	6.3	8.3	7.0	5.7	7.1
RC4	8.0	7.7	5.7	6.7	6.3	6.7	6.8
CLASH (AH1)	7.7	6.3	6.0	7.0	6.7	6.3	6.7
COL-TF-148	8.0	5.7	6.3	7.3	7.0	6.0	6.7
EXPANSE (PPG-TF 262)	7.7	6.0	6.0	7.0	6.7	6.0	6.6
RHL2	7.3	6.3	5.0	7.3	7.0	6.7	6.6
BONFIRE (JS DTT)	8.7	6.7	6.0	6.0	6.0	5.3	6.4
DLFPS-321/3695	7.3	7.0	6.7	6.0	6.3	5.3	6.4
FIRENZA II (PPG-TF 244)	7.3	6.7	6.3	6.0	6.3	5.7	6.4
K18-NSE	7.0	6.3	6.7	7.3	6.3	4.7	6.4
K18-RS6	8.0	5.7	5.7	7.7	6.3	5.0	6.4
RHF	7.7	6.7	6.0	6.0	6.3	5.7	6.4
SERENADE (PPG-TF 320)	6.7	6.3	5.3	7.3	7.0	6.0	6.4
TEACHER (PPG-TF 313)	7.7	6.3	5.7	6.3	6.7	6.0	6.4
TITAN GLX (TF445)	8.7	7.0	5.7	6.3	5.7	5.0	6.4
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	6.0	5.7	7.3	5.3	6.3	6.3
FASTLANE (BY-TF-169)	7.0	6.3	5.7	6.7	6.7	5.7	6.3
PPG-TF 318	7.7	5.7	5.3	7.0	6.3	5.7	6.3
SR 8700 (TMT1)	7.0	6.7	6.3	7.7	5.7	4.3	6.3
STEALTH (PPG-TF 238)	6.7	7.0	5.7	6.3	6.0	6.0	6.3
XANADU (JT 268)	7.0	6.3	6.3	6.7	6.0	5.7	6.3
DLFPS-321/3707	7.3	6.0	6.0	5.3	6.0	6.3	6.2
DLFPS-321/3708	7.3	6.3	6.3	5.7	5.7	6.0	6.2
DRAGSTER	7.3	6.0	5.0	6.7	6.3	6.0	6.2
HOUNDOG NINE (DLFPS-321/3702)	8.3	6.0	6.0	6.0	5.7	5.3	6.2
PPG-TF 249	6.7	6.7	5.7	7.0	5.7	5.3	6.2
RS1	7.7	6.0	5.7	6.0	5.7	6.0	6.2
SPYDER 2LS (ZRC1)	7.7	6.3	5.3	6.3	6.3	5.3	6.2
TD2	7.0	5.3	5.7	6.7	6.3	6.3	6.2
ZION (BAR TF 134)	6.7	5.7	5.3	6.7	6.7	6.0	6.2
5LSS	6.7	6.3	5.0	7.3	6.7	4.7	6.1
CAPITAN (DLFPS-321/3705)	6.7	6.0	5.3	7.0	6.0	5.7	6.1
GALACTIC (SESCR1)	7.0	6.0	5.7	5.7	6.7	5.7	6.1
NT-3	6.3	7.0	5.3	6.3	5.7	5.7	6.1
PROVIDENCE (GO-RH20)	6.7	5.7	5.3	7.3	6.0	5.7	6.1
ROVER (PPG-TF 306)	7.3	6.0	6.3	5.7	5.0	6.3	6.1
TRIAD (PPG-TF 323)	7.0	5.3	5.3	5.7	6.3	6.7	6.1
VALSETZ (PPG-TF 257)	6.3	6.0	6.3	6.7	5.3	5.7	6.1
BATTLE HAWK (NAI-ROS4)	7.3	5.3	5.0	7.0	6.0	5.3	6.0
DLFPS-321/3693	7.0	5.3	5.7	6.0	6.0	6.0	6.0
DLFPS-TF/3553	7.3	6.0	5.3	6.0	5.7	5.7	6.0
DYNAMITE G-LS (PPG-TF 254)	7.7	6.3	5.7	6.0	5.3	5.0	6.0
GALLARDO (DLFPS-TF/3550)	7.3	6.3	5.7	5.0	6.0	5.7	6.0
PPG-TF 316	7.0	6.0	6.0	5.3	5.7	6.0	6.0
TITANIUM G-LS (PPG-TF 255)	7.7	7.0	5.7	4.7	5.3	5.7	6.0

TABLE 16.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT ADELPHIA, NJ 1/  
2023 DATA

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

NAME	APR	MAY	JUN	JUL	AUG	OCT	MEAN
AVENGER III (PPG-TF 308)	6.3	6.0	4.7	6.0	6.0	6.7	5.9
DEGAS (LTP-TF-111)	6.7	5.7	5.3	6.7	5.3	5.7	5.9
FALCON SUPREME (RH1)	7.0	5.7	5.3	6.0	5.7	5.7	5.9
RAPTOR III	6.3	6.0	5.3	6.7	6.0	5.0	5.9
RAPTOR LS (PPG-TF 336)	6.0	5.7	5.0	6.7	6.3	6.0	5.9
SYMPHONY (PPG-TF 305)	7.3	6.3	4.7	5.7	5.3	6.0	5.9
DLFPS-321/3694	6.3	6.3	5.7	6.0	5.7	5.0	5.8
NAI-ST5	6.7	6.0	5.3	6.3	5.0	5.7	5.8
DLFPS-321/3706	5.7	5.0	5.7	7.3	5.7	5.0	5.7
FINELAWN SUPREME (RH3)	7.0	5.3	5.3	6.3	5.3	5.0	5.7
OKEEFE (LTP-TF-122)	7.3	5.3	5.7	5.7	5.0	5.3	5.7
RDC	7.0	5.7	5.3	5.3	5.7	5.0	5.7
K18-WB1	6.7	6.0	4.7	4.7	6.0	5.7	5.6
LIFEGUARD	5.7	5.3	5.7	5.7	5.7	5.3	5.6
ROWDIER (DLFPS-321/3699)	5.3	5.3	6.0	6.0	5.3	5.3	5.6
SOUTHSIDE (PPG-TF 267)	8.0	5.7	5.3	5.3	5.0	4.3	5.6
FIRECRACKER G-LS (PPG-TF 315)	5.7	6.3	4.7	6.3	4.7	5.3	5.5
HEMI	7.3	6.0	4.3	5.0	5.0	5.3	5.5
TANK (PPG-TF 338)	5.7	5.3	5.3	6.0	6.0	4.7	5.5
GLX ACED (PST-5DART)	5.3	5.7	5.3	5.7	5.7	5.0	5.4
GRANDE 3	6.3	5.7	5.3	5.0	5.3	5.0	5.4
PPG-TF 312	6.0	4.7	4.3	5.7	6.0	5.7	5.4
RACEWAY (DLFPS-321/3696)	5.7	5.7	5.7	5.7	5.0	4.7	5.4
TITAN MAX (TF456)	7.7	5.3	5.0	4.7	5.0	5.0	5.4
BULLSEYE LTZ	6.7	5.7	4.3	4.3	5.0	6.0	5.3
PPG-TF 337	6.7	5.3	4.3	4.7	4.7	6.3	5.3
BENTLEY (DLFPS-321/3679)	6.7	5.3	5.0	4.7	4.3	5.0	5.2
RAD-TF105	6.0	6.0	4.3	4.7	5.0	5.0	5.2
BLADERUNNER 3 (DLFPS-321/3701)	6.3	5.3	5.0	4.3	5.3	4.3	5.1
JT 233	5.7	5.0	5.7	6.7	4.7	3.0	5.1
FAIRFIELD (SETF104)	6.3	5.3	5.0	4.3	4.7	4.3	5.0
PST-5GQ	5.0	5.7	6.0	4.3	5.3	3.7	5.0
PST-5TRN	6.0	4.7	5.3	5.7	4.3	4.0	5.0
EXTRAVAGANZA (PST-5MCMO)	6.0	5.7	4.7	4.7	4.3	4.0	4.9
FAYETTE	4.3	4.3	6.0	5.7	4.3	5.0	4.9
GLX REVIVE (PST-5GLBS)	5.3	5.7	5.0	4.0	4.7	5.0	4.9
PARAMOUNT	5.3	4.7	5.7	6.0	4.7	3.3	4.9
3B2	5.3	6.0	4.7	4.7	5.3	3.0	4.8
FIREHAWK SLT	5.7	5.0	4.3	4.0	5.0	4.7	4.8
KIZZLE (K18-ROE)	5.0	4.7	4.7	5.3	5.0	4.3	4.8
PPG-TF 231	5.7	5.7	4.7	4.7	4.3	3.7	4.8
PST-5THM	5.0	4.7	4.7	5.0	5.3	4.0	4.8
LBF	5.7	5.0	4.7	4.0	4.3	4.3	4.7
PST-5MINK	4.0	5.7	5.7	4.7	4.3	4.0	4.7
TALLADEGA II (NAI-3N2)	5.0	5.0	5.3	4.7	4.7	3.3	4.7

TABLE 16.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT ADELPHIA, NJ 1/  
2023 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/							
NAME	APR	MAY	JUN	JUL	AUG	OCT	MEAN
ATF1768	5.0	5.0	4.0	4.7	4.3	4.3	4.6
DLFPS-321/3703	5.7	4.7	5.0	4.7	4.3	3.3	4.6
ENDGAME (3N1)	5.7	4.7	5.0	4.7	4.0	3.3	4.6
HELLCAT GLR (PST-5E6)	5.0	4.7	3.7	4.7	5.0	4.3	4.6
MONUMENT (PST-5SQB)	4.7	5.0	4.0	4.3	4.7	4.7	4.6
PST-5DZM	5.3	5.0	4.7	3.3	4.0	5.0	4.6
JT 517	5.0	5.7	5.0	3.3	4.0	4.0	4.5
ESTRENA	4.3	5.3	4.3	5.0	4.7	2.7	4.4
PST-5DC24	4.3	4.7	5.0	4.3	3.7	4.3	4.4
BULLSEYE	6.0	4.3	4.0	4.3	3.7	3.7	4.3
GRO-PRO (SE53D2)	6.0	4.7	4.0	5.0	3.3	2.7	4.3
MOONDANCE GLX	4.0	5.0	4.3	5.3	4.0	3.0	4.3
SETFM3	5.3	4.0	5.0	3.3	3.7	4.3	4.3
TOUGH (NAI-TUE)	5.0	4.7	4.0	4.7	4.3	3.3	4.3
PADRE 2	4.3	4.3	4.7	4.0	4.3	3.3	4.2
RAD-TF115 (TURBO SS)	4.3	5.0	4.3	3.0	3.7	4.7	4.2
COPIOUS TF	4.3	5.3	4.0	3.0	3.7	4.3	4.1
LAFAYETTE (GO-AOMK)	3.3	3.7	5.3	4.7	4.0	3.7	4.1
RAD-TF131	4.0	4.3	4.0	3.7	3.7	4.7	4.1
ORIOLE (PST-5BYOB)	4.3	4.0	4.7	4.7	4.3	2.0	4.0
AST8218LM	4.7	4.0	4.3	3.7	3.7	3.0	3.9
BAR-FA8230	4.7	3.7	3.7	4.0	3.3	4.0	3.9
SETFM2	4.3	4.0	4.0	4.0	3.7	3.3	3.9
SE5STAR	4.3	5.0	4.0	3.7	3.0	2.7	3.8
ATF2116	4.0	4.3	4.3	2.3	3.3	3.7	3.7
BANDIT	3.0	4.0	4.0	3.0	3.3	4.0	3.6
BIRMINGHAM	4.0	3.7	3.3	3.7	3.3	3.3	3.6
BRAVO 2	3.3	3.3	4.3	3.7	3.7	3.0	3.6
TANGO	4.0	4.3	4.0	3.0	3.0	3.0	3.6
NATURALLY GREEN	4.0	4.3	4.0	2.7	3.0	3.0	3.5
A-TF31	4.0	4.0	3.0	3.7	3.3	2.3	3.4
NAI-FQZ-17	3.0	4.7	4.0	3.3	3.0	2.7	3.4
BARNOBLE (BAR 9FE MAS)	3.0	3.7	3.3	3.0	3.3	3.7	3.3
PALOMAR	4.0	3.3	2.7	3.3	3.7	3.0	3.3
TOPSHELF (BGR-TF3)	4.0	4.3	3.3	2.7	2.7	3.0	3.3
PRO GOLD	3.3	4.0	3.3	4.3	2.7	1.3	3.2
AST8118LM	3.0	3.3	3.3	2.7	3.3	3.0	3.1
BAR FA 8228	3.3	3.3	3.0	3.0	3.3	2.0	3.0
GRAND PRIX (FC15-01P)	2.7	3.3	3.3	2.7	2.7	3.3	3.0
ESCALADE	3.3	3.0	3.3	2.3	2.7	2.3	2.8
OG-WALK	2.7	2.3	2.7	3.0	2.7	2.0	2.6
KENTUCKY-31	1.0	1.3	1.0	1.0	1.0	1.0	1.1
LSD VALUE	1.5	1.5	1.5	1.6	1.3	1.4	0.8
C.V. (%)	16.4	17.0	18.0	19.5	17.0	18.9	10.4

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

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

TABLE 17A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT ANNUAL									
	UNIFORMITY		FULLNESS OF CANOPY		BLUEGRASS COVER		UNIFORMITY		FULLNESS OF CANOPY	
	MAY 3		MAY 3		MAY 16		JUNE 29		JUNE 29	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FINELAWN SUPREME (RH3)	9.0	8.3	99.0	85.0	0.0	15.0	9.0	7.3	97.7	80.0
SOUTHSIDE (PPG-TF 267)	9.0	8.0	99.0	81.7	1.7	18.3	9.0	7.3	99.0	76.7
GALLARDO (DLFPS-TF/3550)	9.0	6.0	99.0	71.7	0.0	25.0	9.0	7.0	99.0	75.0
PPG-TF 231	8.3	5.7	93.0	71.7	1.7	21.7	7.3	6.7	97.7	75.0
BULLSEYE LTZ	9.0	6.7	96.3	75.0	1.7	16.7	9.0	6.7	99.0	73.3
TD2	8.7	6.7	97.7	75.0	0.0	25.0	9.0	6.3	99.0	73.3
SPYDER 2LS (ZRC1)	8.7	5.7	96.3	58.3	0.0	38.3	9.0	6.3	99.0	71.7
ESSENTIAL 2 (DLFPS-TF/3552)	8.7	6.3	88.3	71.7	1.7	20.0	9.0	6.3	96.3	70.0
JT 233	9.0	7.7	99.0	78.3	0.0	16.7	9.0	6.3	99.0	70.0
K18-WB1	9.0	7.0	93.0	73.3	1.7	25.0	9.0	6.3	99.0	70.0
PPG-TF 249	9.0	6.7	96.0	70.0	1.7	25.0	9.0	6.0	97.7	70.0
PST-5GQ	8.7	7.0	96.0	70.0	0.0	23.3	9.0	6.3	96.0	70.0
RHL2	8.3	4.0	93.3	55.0	1.7	25.0	8.7	5.3	96.0	70.0
ROVER (PPG-TF 306)	8.7	6.0	99.0	63.3	0.0	25.0	9.0	6.0	99.0	70.0
HEMI	8.7	6.7	94.7	71.3	0.0	20.0	8.7	6.0	96.3	68.3
HOUNDOG NINE (DLFPS-321/3702)	8.3	4.7	89.7	51.7	3.3	28.3	9.0	6.0	94.7	68.3
PPG-TF 337	8.7	5.3	97.7	60.0	1.7	35.0	9.0	5.3	99.0	68.3
TITANIUM G-LS (PPG-TF 255)	9.0	5.3	97.7	63.3	1.7	31.7	9.0	5.7	97.7	68.3
AST8118LM	9.0	6.0	94.7	73.3	0.0	21.7	9.0	6.0	96.3	66.7
ENDGAME (3N1)	9.0	6.0	96.0	65.0	1.7	26.7	9.0	5.7	97.7	66.7
FALCON SUPREME (RH1)	9.0	6.0	99.0	68.3	0.0	28.3	9.0	6.7	96.3	66.7
FAYETTE	9.0	5.7	97.7	61.7	1.7	23.3	9.0	6.0	96.3	66.7
FIRECRACKER G-LS (PPG-TF 315)	8.7	5.0	91.3	58.3	6.7	28.3	9.0	6.3	99.0	66.7
GLX ACED (PST-5DART)	8.7	7.0	93.0	71.7	0.0	13.3	9.0	6.3	99.0	66.7
PST-5TRN	9.0	7.0	94.7	66.7	3.3	28.3	9.0	6.7	97.7	66.7
SETFM2	8.7	5.0	96.0	60.0	1.7	26.7	8.7	5.7	94.7	66.7
TANK (PPG-TF 338)	9.0	6.0	96.0	65.0	1.7	30.0	9.0	6.3	99.0	66.7
TITAN GLX (TF445)	8.3	5.7	97.7	75.0	1.7	26.7	9.0	6.0	96.0	66.7
BULLSEYE	8.7	6.0	96.3	66.7	1.7	23.3	9.0	6.0	99.0	65.0
MONUMENT (PST-5SQB)	8.7	6.0	94.7	63.3	0.0	26.7	8.7	6.0	96.3	65.0
PRO GOLD	9.0	6.3	96.3	75.0	0.0	28.3	9.0	6.0	94.7	65.0
PROVIDENCE (GO-RH20)	9.0	5.7	96.0	63.3	0.0	35.0	9.0	6.0	99.0	65.0
RACEWAY (DLFPS-321/3696)	8.0	4.7	93.3	61.7	3.3	31.7	9.0	5.3	99.0	65.0
RAD-TF131	9.0	5.3	97.7	63.3	1.7	31.7	9.0	5.3	97.7	65.0
BRAVO 2	9.0	4.3	94.7	46.7	3.3	43.3	8.7	4.0	97.7	63.3
DLFPS-321/3703	8.3	4.3	96.0	58.3	1.7	30.0	9.0	5.7	97.7	63.3
EXPANSE (PPG-TF 262)	9.0	5.0	99.0	63.3	1.7	31.7	9.0	5.7	99.0	63.3
FIRENZA II (PPG-TF 244)	9.0	5.7	99.0	68.3	0.0	25.0	9.0	6.3	99.0	63.3
LIFEGUARD	9.0	6.0	97.7	60.0	3.3	26.7	9.0	5.0	97.7	63.3
PADRE 2	9.0	6.3	97.7	68.3	1.7	21.7	9.0	6.3	97.7	63.3
RAPTOR III	8.7	5.0	90.0	63.3	3.3	26.7	9.0	5.0	99.0	63.3
RAPTOR LS (PPG-TF 336)	8.7	5.7	93.0	58.3	3.3	30.0	8.7	5.3	97.7	63.3
RDC	8.7	5.3	99.0	60.0	3.3	33.3	9.0	5.3	97.7	63.3
STEALTH (PPG-TF 238)	9.0	6.0	99.0	68.3	1.7	30.0	9.0	6.0	99.0	63.3
3B2	9.0	5.3	97.7	53.3	1.7	28.3	9.0	5.3	99.0	61.7

TABLE 17A.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT ANNUAL									
	UNIFORMITY MAY 3		FULLNESS OF CANOPY MAY 3		BLUEGRASS COVER MAY 16		UNIFORMITY JUNE 29		FULLNESS OF CANOPY JUNE 29	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FAIRFIELD (SETF104)	9.0	6.0	96.0	66.7	0.0	28.3	9.0	5.3	97.7	61.7
K18-RS6	8.7	6.0	91.3	66.7	0.0	25.0	9.0	5.0	99.0	61.7
OKEEFE (LTP-TF-122)	8.7	5.0	95.0	51.7	3.3	35.0	9.0	5.7	99.0	61.7
PARAMOUNT	8.7	6.0	93.0	68.3	0.0	26.7	9.0	6.0	96.3	61.7
TEACHER (PPG-TF 313)	7.7	5.3	91.3	60.0	0.0	28.3	9.0	5.3	96.3	61.7
TITAN MAX (TF456)	8.7	6.0	91.3	68.3	1.7	25.0	9.0	5.3	94.7	61.7
TOPSHELF (BGR-TF3)	8.7	5.0	91.7	60.0	6.7	23.3	9.0	5.3	93.3	61.7
XANADU (JT 268)	9.0	4.3	96.0	53.3	0.0	35.0	9.0	5.0	99.0	61.7
AST8218LM	8.3	4.3	90.0	58.3	3.3	26.7	8.7	4.7	91.3	60.0
AVENGER III (PPG-TF 308)	8.3	4.3	91.7	53.3	1.7	30.0	9.0	5.0	99.0	60.0
CLASH (AH1)	8.7	4.0	96.0	48.3	1.7	43.3	9.0	4.7	99.0	60.0
COL-TF-148	8.3	5.3	93.3	58.3	1.7	35.0	9.0	5.3	99.0	60.0
COPIOUS TF	8.3	5.7	91.0	53.3	1.7	31.7	8.7	4.7	94.3	60.0
DAYBREAK (AH2)	9.0	5.0	99.0	60.0	0.0	35.0	9.0	5.7	99.0	60.0
ESTRENA	8.7	5.0	96.0	60.0	0.0	33.3	9.0	5.7	99.0	60.0
GRANDE 3	9.0	5.3	94.7	55.0	0.0	35.0	9.0	5.0	94.7	60.0
RAD-TF105	8.7	4.0	96.3	55.0	3.3	28.3	9.0	5.3	96.0	60.0
5LSS	9.0	5.7	96.0	61.7	3.3	36.7	9.0	5.7	97.7	58.3
BIRMINGHAM	9.0	5.3	91.7	58.3	1.7	31.7	9.0	5.7	96.0	58.3
BONFIRE (JS DTT)	7.7	4.0	90.0	48.3	1.7	33.3	9.0	4.0	97.7	58.3
DLFPS-321/3707	8.3	5.3	88.0	60.0	5.0	31.7	9.0	4.7	97.7	58.3
GRO-PRO (SE53D2)	8.7	5.3	96.0	56.7	1.7	31.7	8.7	4.0	97.7	58.3
KIZZLE (K18-ROE)	8.7	5.3	91.7	55.0	1.7	33.3	8.7	4.7	97.7	58.3
PPG-TF 316	8.3	4.7	89.7	55.0	1.7	38.3	9.0	5.7	96.0	58.3
PPG-TF 318	8.0	4.3	91.0	56.7	1.7	31.7	8.7	5.0	96.0	58.3
PST-5THM	8.7	5.7	88.0	73.3	3.3	31.7	8.7	5.0	91.7	58.3
RS1	8.7	5.0	91.3	56.7	0.0	28.3	9.0	5.3	96.3	58.3
ATF1768	8.3	5.3	96.0	63.3	0.0	23.3	9.0	4.7	96.3	56.7
BLADERUNNER 3 (DLFPS-321/3701)	8.0	4.0	88.3	51.7	3.3	36.7	9.0	6.3	97.7	56.7
CAPITAN (DLFPS-321/3705)	9.0	5.0	93.3	51.7	3.3	38.3	9.0	5.3	95.0	56.7
DLFPS-TF/3553	8.3	4.0	88.3	53.3	3.3	40.0	8.7	4.3	96.3	56.7
EXTRAVAGANZA (PST-5MCMO)	8.7	4.7	93.3	58.3	0.0	33.3	9.0	5.0	96.0	56.7
LAFAYETTE (GO-AOMK)	8.7	4.3	93.3	43.3	1.7	40.0	9.0	4.7	95.0	56.7
NATURALLY GREEN	9.0	5.3	93.0	60.0	1.7	33.3	9.0	4.3	93.3	56.7
SERENADE (PPG-TF 320)	8.7	4.3	97.7	53.3	0.0	35.0	9.0	4.7	96.3	56.7
VALSETZ (PPG-TF 257)	8.3	3.0	93.0	43.3	0.0	41.7	9.0	4.7	97.7	56.7
DLFPS-321/3708	8.7	5.0	94.7	56.7	1.7	30.0	9.0	4.3	99.0	55.0
DYNAMITE G-LS (PPG-TF 254)	8.3	4.0	89.7	55.0	0.0	40.0	9.0	5.0	97.7	55.0
GRAND PRIX (FC15-01P)	8.3	5.3	90.0	63.3	0.0	31.7	8.7	5.3	88.3	55.0
RAD-TF115 (TURBO SS)	9.0	4.0	96.0	50.0	1.7	31.7	9.0	4.7	99.0	55.0
SE5STAR	8.7	5.3	91.7	58.3	1.7	31.7	9.0	4.7	95.0	55.0
A-TF31	9.0	5.0	96.0	63.3	3.3	26.7	9.0	5.0	94.7	53.3
ESCALADE	8.3	6.3	93.0	70.0	1.7	25.0	8.3	4.7	90.0	53.3
GLX REVIVE (PST-5GLBS)	8.3	4.7	90.0	61.7	0.0	28.3	9.0	4.3	96.3	53.3
HELLCAT GLR (PST-5E6)	8.7	5.0	96.0	63.3	3.3	45.0	9.0	4.3	97.7	53.3



TABLE 17A.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER SPRING TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ PERCENT ANNUAL									
	UNIFORMITY		FULLNESS OF CANOPY		BLUEGRASS COVER		UNIFORMITY		FULLNESS OF CANOPY	
	MAY 3		MAY 3		MAY 16		JUNE 29		JUNE 29	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
NT-3	9.0	5.0	99.0	60.0	0.0	26.7	9.0	4.0	99.0	53.3
PALOMAR	8.3	5.3	90.0	55.0	1.7	33.3	8.0	4.3	86.7	53.3
ROWDIER (DLFPS-321/3699)	6.7	3.7	79.3	48.3	1.7	46.7	8.0	3.7	91.0	53.3
SETFM3	8.7	4.3	90.0	43.3	3.3	35.0	8.7	4.3	90.0	53.3
TRIAD (PPG-TF 323)	8.0	4.7	86.7	51.7	0.0	35.0	9.0	5.0	97.7	53.3
BATTLE HAWK (NAI-ROS4)	8.7	3.3	94.7	43.3	0.0	46.7	9.0	4.0	99.0	51.7
JT 517	9.0	4.7	90.0	55.0	3.3	38.3	8.7	3.3	91.7	51.7
LBF	8.7	5.7	93.3	63.3	3.3	31.7	9.0	4.3	97.7	51.7
TANGO	8.0	5.0	88.0	43.3	5.0	45.0	8.3	4.3	97.7	51.7
BENTLEY (DLFPS-321/3679)	8.7	4.3	96.0	40.0	3.3	46.7	9.0	4.3	97.7	50.0
DEGAS (LTP-TF-111)	8.7	4.0	93.3	43.3	3.3	46.7	9.0	4.0	97.7	50.0
MOONDANCE GLX	9.0	5.7	90.0	55.0	1.7	28.3	8.7	4.0	97.7	50.0
PPG-TF 312	7.7	4.0	78.3	48.3	8.3	43.3	8.7	3.7	94.7	50.0
PST-5DZM	9.0	6.0	97.7	66.7	0.0	25.0	9.0	4.7	97.7	50.0
RC4	8.7	3.7	97.7	48.3	0.0	38.3	9.0	5.0	99.0	50.0
RHF	8.7	3.3	96.0	40.0	0.0	41.7	9.0	3.7	99.0	50.0
TALLADEGA II (NAI-3N2)	8.7	3.3	94.3	46.7	5.0	51.7	9.0	4.0	99.0	50.0
BANDIT	9.0	5.0	94.7	51.7	3.3	40.0	9.0	3.7	97.7	48.3
DLFPS-321/3695	8.3	4.7	94.3	50.0	3.3	35.0	9.0	4.0	97.7	48.3
FASTLANE (BY-TF-169)	6.3	3.7	75.0	46.7	3.3	33.3	8.7	3.7	91.3	48.3
GALACTIC (SESCR1)	8.3	4.0	91.7	46.7	1.7	45.0	9.0	4.3	99.0	48.3
NAI-ST5	8.7	3.3	94.3	43.3	0.0	46.7	9.0	3.3	99.0	48.3
ORIOLE (PST-5BYOB)	8.7	5.7	96.0	58.3	1.7	43.3	8.7	4.3	96.0	48.3
DLFPS-321/3693	8.7	4.3	94.7	46.7	0.0	41.7	9.0	4.0	97.7	46.7
PST-5DC24	8.7	4.3	93.0	50.0	1.7	41.7	9.0	3.7	96.3	46.7
SYMPHONY (PPG-TF 305)	8.3	3.0	89.7	46.7	5.0	50.0	9.0	3.7	96.0	46.7
BAR-FA8230	8.3	3.7	93.0	48.3	5.0	48.3	8.3	4.0	88.3	45.0
DLFPS-321/3694	8.7	3.3	94.3	36.7	0.0	51.7	9.0	3.7	99.0	45.0
SR 8700 (TMT1)	7.7	3.7	84.7	45.0	5.0	40.0	9.0	3.7	93.0	45.0
ATF2116	8.7	3.7	88.0	40.0	1.7	50.0	8.7	4.0	93.0	43.3
BAR FA 8228	8.0	3.0	90.0	43.3	1.7	38.3	8.3	4.0	90.0	43.3
FIREHAWK SLT	9.0	4.0	97.7	51.7	6.7	46.7	9.0	3.0	97.7	43.3
NAI-FQZ-17	8.3	4.3	90.0	40.0	10.0	53.3	8.7	4.0	91.3	43.3
DLFPS-321/3706	8.7	3.0	90.0	41.7	3.3	45.0	9.0	3.0	99.0	41.7
K18-NSE	7.3	4.0	83.3	45.0	3.3	40.0	9.0	4.3	94.7	41.7
PST-5MINK	8.3	3.3	91.7	41.7	1.7	58.3	9.0	3.7	93.3	41.7
ZION (BAR TF 134)	8.3	2.7	91.7	31.7	6.7	65.0	8.7	3.3	94.3	41.7
TOUGH (NAI-TUE)	8.7	2.3	86.7	31.7	10.0	61.7	8.0	3.3	84.7	38.3
DRAGSTER	6.7	3.3	78.0	40.0	5.0	50.0	8.3	3.3	89.7	36.7
OG-WALK	8.0	4.0	90.0	51.7	6.7	35.0	8.0	5.3	85.0	36.7
BARNOBLE (BAR 9FE MAS)	7.7	2.3	81.7	28.3	13.3	60.0	7.7	2.0	80.0	28.3
KENTUCKY-31	3.0	1.0	28.3	5.0	31.7	88.3	3.0	1.0	30.0	10.0
LSD VALUE	1.1	4.5	11.8	36.2	5.8	27.1	0.6	3.4	6.5	27.7
C.V. (%)	7.6	34.6	7.5	27.8	141.7	38.8	4.6	29.3	4.5	22.7

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

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

3/ GREEN COVER DETERMINED BY DIGITAL IMAGE ANALYSIS; AFTER 14 PASSES OF THE CTS (CADY TRAFFIC SIMULATOR) PASSES OF THE RWS (RUTGERS WEAR SIMULATOR).

TABLE 17B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

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

NAME	UNIFORMITY AUGUST 16		FULLNESS OF CANOPY AUGUST 16	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
FINELAWN SUPREME (RH3)	9.0	5.0	96.0	58.3
SOUTHSIDE (PPG-TF 267)	9.0	5.7	99.0	55.0
GLX ACED (PST-5DART)	9.0	5.0	96.0	51.7
HEMI	8.7	5.0	99.0	51.7
3B2	9.0	4.0	99.0	46.7
PPG-TF 231	9.0	5.0	99.0	46.7
PRO GOLD	8.7	4.7	96.0	46.7
TANK (PPG-TF 338)	9.0	4.0	99.0	46.7
GRAND PRIX (FC15-01P)	8.3	4.7	88.3	45.0
HOUNDOG NINE (DLFPS-321/3702)	9.0	4.3	96.0	45.0
K18-RS6	8.7	5.0	96.0	45.0
PPG-TF 249	7.3	4.3	81.3	45.0
PROVIDENCE (GO-RH20)	9.0	4.7	97.7	45.0
ROVER (PPG-TF 306)	8.3	4.3	88.0	45.0
TD2	8.7	4.7	86.0	45.0
TITAN GLX (TF445)	9.0	4.7	99.0	45.0
GRO-PRO (SE53D2)	9.0	4.0	94.7	43.3
RACEWAY (DLFPS-321/3696)	9.0	3.7	96.3	43.3
JT 233	9.0	3.7	99.0	41.7
PPG-TF 318	9.0	4.0	89.3	41.7
PPG-TF 337	8.3	3.7	88.0	41.7
PST-5GQ	8.7	4.7	92.7	41.7
SPYDER 2LS (ZRCL)	9.0	3.7	99.0	41.7
STEALTH (PPG-TF 238)	9.0	4.3	96.0	41.7
DEGAS (LTP-TF-111)	9.0	3.3	99.0	40.0
ESSENTIAL 2 (DLFPS-TF/3552)	8.7	3.7	94.3	40.0
FIRECRACKER G-LS (PPG-TF 315)	7.0	4.3	78.0	40.0
MONUMENT (PST-5SQB)	9.0	4.0	95.0	40.0
RAPTOR III	9.0	4.0	94.7	40.0
RAPTOR LS (PPG-TF 336)	6.7	3.0	78.0	40.0
AST8118LM	8.7	4.7	91.3	38.3
BULLSEYE	9.0	4.0	94.7	38.3
AST8218LM	8.7	3.7	94.7	36.7
BULLSEYE LTZ	8.7	3.7	93.0	36.7
DLFPS-321/3707	9.0	4.0	96.0	36.7
HELLCAT GLR (PST-5E6)	9.0	3.3	97.7	36.7
OKEEFE (LTP-TF-122)	7.7	4.0	86.0	36.7
PST-5DC24	9.0	3.0	99.0	36.7
RAD-TF131	8.7	3.0	97.7	36.7
RHL2	9.0	3.3	99.0	36.7
TITAN MAX (TF456)	9.0	4.0	99.0	36.7
BRAVO 2	9.0	3.7	96.0	35.0
FAIRFIELD (SETF104)	7.3	2.7	81.3	35.0
ROWDIER (DLFPS-321/3699)	8.7	3.0	91.0	35.0
SERENADE (PPG-TF 320)	9.0	3.7	97.7	35.0

TABLE 17B.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

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

NAME	UNIFORMITY AUGUST 16		FULLNESS OF CANOPY AUGUST 16	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
AVENGER III (PPG-TF 308)	9.0	3.3	99.0	33.3
BIRMINGHAM	8.0	3.7	90.0	33.3
CAPITAN (DLFPS-321/3705)	6.7	3.0	69.7	33.3
DLFPS-321/3703	8.7	4.3	88.3	33.3
ESCALADE	8.3	3.7	88.3	33.3
GLX REVIVE (PST-5GLBS)	9.0	3.0	96.0	33.3
KIZZLE (K18-ROE)	9.0	4.0	96.0	33.3
PADRE 2	9.0	2.7	97.7	33.3
PST-5DZM	8.7	3.3	97.7	33.3
PST-5TRN	8.3	3.7	93.0	33.3
RDC	9.0	3.0	97.7	33.3
SETFM3	8.3	3.3	93.0	33.3
TOPSHELF (BGR-TF3)	8.7	3.7	94.7	33.3
DLFPS-321/3693	9.0	3.3	99.0	31.7
FALCON SUPREME (RH1)	8.7	3.3	94.7	31.7
FAYETTE	8.7	3.0	94.7	31.7
K18-WB1	9.0	3.0	97.7	31.7
LIFEGUARD	9.0	2.3	94.7	31.7
MOONDANCE GLX	8.7	3.0	93.3	31.7
NT-3	9.0	3.0	96.0	31.7
ORIOLE (PST-5BYOB)	8.0	3.7	93.0	31.7
PALOMAR	7.3	3.0	78.3	31.7
A-TF31	8.7	2.7	93.0	30.0
ESTRENA	9.0	2.3	97.7	30.0
SR 8700 (TMT1)	9.0	2.7	96.0	30.0
VALSETZ (PPG-TF 257)	8.3	3.0	92.7	30.0
BONFIRE (JS DTT)	9.0	3.7	96.3	28.3
COPIOUS TF	8.7	3.0	91.0	28.3
DLFPS-321/3695	9.0	2.7	99.0	28.3
DLFPS-TF/3553	9.0	3.0	97.7	28.3
GALLARDO (DLFPS-TF/3550)	9.0	3.3	99.0	28.3
GRANDE 3	9.0	2.3	99.0	28.3
PPG-TF 316	8.7	2.3	89.7	28.3
PST-5THM	7.7	2.3	78.0	28.3
RS1	9.0	2.7	99.0	28.3
SETFM2	8.0	3.0	88.0	28.3
TANGO	8.3	3.0	86.7	28.3
TEACHER (PPG-TF 313)	8.7	2.3	93.0	28.3
TITANIUM G-LS (PPG-TF 255)	9.0	3.0	99.0	28.3
ATF2116	8.7	2.7	88.3	26.7
BENTLEY (DLFPS-321/3679)	9.0	3.3	97.7	26.7
CLASH (AH1)	8.7	2.7	91.3	26.7
DLFPS-321/3708	9.0	3.3	92.7	26.7
EXPANSE (PPG-TF 262)	9.0	2.7	99.0	26.7
FIREHAWK SLT	9.0	2.7	99.0	26.7

TABLE 17B.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER SUMMER TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

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

NAME	UNIFORMITY AUGUST 16		FULLNESS OF CANOPY AUGUST 16	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
LBF	9.0	3.3	96.3	26.7
OG-WALK	8.0	2.3	83.3	26.7
PARAMOUNT	9.0	2.0	99.0	26.7
XANADU (JT 268)	9.0	2.7	99.0	26.7
BAR-FA8230	8.0	2.7	83.3	25.0
DYNAMITE G-LS (PPG-TF 254)	9.0	2.3	93.0	25.0
ENDGAME (3N1)	9.0	2.7	99.0	25.0
EXTRAVAGANZA (PST-5MCMO)	8.0	3.0	81.7	25.0
FASTLANE (BY-TF-169)	9.0	2.0	93.0	25.0
NATURALLY GREEN	8.0	3.0	85.0	25.0
RAD-TF105	6.7	2.3	70.0	25.0
RC4	9.0	2.3	94.7	25.0
SE5STAR	6.7	2.3	79.7	25.0
TRIAD (PPG-TF 323)	8.0	2.0	89.3	25.0
5LSS	9.0	3.0	99.0	23.3
BAR FA 8228	8.0	2.0	85.0	23.3
BATTLE HAWK (NAI-ROS4)	9.0	2.7	96.3	23.3
GALACTIC (SESCR1)	8.7	2.7	94.3	23.3
PST-5MINK	9.0	2.7	93.0	23.3
RHF	9.0	2.3	97.7	23.3
ATF1768	8.7	2.0	91.7	21.7
BANDIT	7.7	1.7	83.3	21.7
DRAGSTER	8.0	2.0	86.3	21.7
FIRENZA II (PPG-TF 244)	8.3	3.0	96.0	21.7
JT 517	8.7	2.3	93.0	21.7
K18-NSE	9.0	2.0	94.3	21.7
LAFAYETTE (GO-AOMK)	9.0	2.0	91.3	21.7
NAI-FQZ-17	8.0	1.3	83.3	21.7
DLFPS-321/3706	9.0	1.7	96.0	20.0
NAI-ST5	9.0	2.0	96.3	20.0
TALLADEGA II (NAI-3N2)	9.0	2.3	99.0	20.0
BLADERUNNER 3 (DLFPS-321/3701)	8.3	2.7	91.3	18.3
PPG-TF 312	9.0	1.7	99.0	18.3
COL-TF-148	8.7	2.0	94.3	16.7
DAYBREAK (AH2)	9.0	1.3	99.0	16.7
RAD-TF115 (TURBO SS)	7.3	1.0	81.3	16.7
BARNOBLE (BAR 9FE MAS)	8.0	1.7	89.7	15.0
DLFPS-321/3694	8.7	1.7	99.0	15.0
SYMPHONY (PPG-TF 305)	8.3	2.0	96.0	15.0
TOUGH (NAI-TUE)	8.3	2.0	94.7	15.0
ZION (BAR TF 134)	7.7	2.0	83.0	15.0
KENTUCKY-31	4.0	1.0	35.0	10.0
LSD VALUE	1.7	2.9	18.4	25.1
C.V. (%)	9.9	40.6	10.2	37.7

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

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

3/ GREEN COVER DETERMINED BY DIGITAL IMAGE ANALYSIS; AFTER 14 PASSES OF THE CTS (CADY TRAFFIC SIMULATOR) PASSES OF THE RWS (RUTGERS WEAR SIMULATOR).

TABLE 17C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

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

NAME	PERCENT ANNUAL BLUEGRASS COVER		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	NOVEMBER 9		OCTOBER 6		OCTOBER 6		OCTOBER 6	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
BRAVO 2	20.0	53.3	8.3	4.7	85.0	35.0	94.3	75.3
GRO-PRO (SE53D2)	30.0	50.0	8.3	5.3	78.3	45.0	95.7	72.7
PST-5DC24	28.3	58.3	8.7	3.0	81.7	31.7	94.7	72.3
BARNOBLE (BAR 9FE MAS)	58.3	66.7	6.0	1.3	51.7	13.3	96.0	69.3
BIRMINGHAM	18.3	41.7	7.7	3.7	84.7	38.3	91.0	68.7
COPIOUS TF	36.7	50.0	7.3	3.3	74.7	31.7	95.7	66.7
PST-5THM	20.0	40.0	7.7	4.7	73.3	45.0	95.0	66.3
PROVIDENCE (GO-RH20)	6.7	45.0	8.7	3.3	97.7	33.3	92.7	65.7
HELLCAT GLR (PST-5E6)	15.0	48.3	9.0	4.3	90.0	43.3	95.0	65.3
ORIOLE (PST-5BYOB)	13.3	48.3	8.3	4.0	91.7	40.0	95.3	64.7
DLFPS-321/3703	10.0	45.0	8.3	3.0	86.7	28.3	92.7	64.3
GLX REVIVE (PST-5GLBS)	18.3	55.0	8.3	2.7	90.0	31.7	96.0	64.0
BAR-FA8230	40.0	46.7	7.3	3.7	71.7	33.3	95.0	61.7
SETFM3	35.0	50.0	7.0	2.3	60.0	25.0	91.0	61.3
KIZZLE (K18-ROE)	13.3	50.0	9.0	2.3	93.0	31.7	95.3	61.0
PST-5DZM	25.0	63.3	7.0	2.0	76.7	15.0	92.3	60.7
AST8218LM	26.7	43.3	7.7	3.0	70.0	30.0	91.7	60.3
MONUMENT (PST-5SQB)	10.0	33.3	9.0	4.7	83.3	38.3	96.3	60.3
PRO GOLD	16.7	41.7	8.3	3.7	85.0	36.7	92.7	60.3
GRAND PRIX (FC15-01P)	25.0	50.0	6.3	3.3	66.7	36.7	85.3	60.0
KENTUCKY-31	75.0	66.7	2.7	1.3	25.0	8.3	97.3	60.0
GALACTIC (SESCR1)	18.3	58.3	8.7	2.3	94.7	25.0	93.7	59.3
AST8118LM	11.7	38.3	7.3	4.0	76.7	31.7	91.3	59.0
LBF	23.3	56.7	8.0	2.7	80.0	28.3	91.7	59.0
PALOMAR	38.3	48.3	6.3	2.3	61.7	25.0	92.7	59.0
PST-5GQ	13.3	51.7	8.0	3.7	85.0	36.7	94.0	59.0
TOPSHELF (BGR-TF3)	23.3	35.0	7.7	3.3	70.0	35.0	94.3	59.0
PST-5TRN	20.0	36.7	8.7	3.0	88.3	36.7	95.7	58.7
ATF2116	30.0	60.0	8.3	2.7	81.7	25.0	92.3	58.3
BULLSEYE	33.3	40.0	7.0	3.7	79.7	35.0	91.3	58.3
TANGO	30.0	58.3	7.0	2.3	71.7	21.7	94.7	58.3
A-TF31	28.3	45.0	7.3	2.0	75.0	21.7	90.3	57.7
BAR FA 8228	30.0	40.0	7.7	2.7	68.3	23.3	94.7	57.3
BENTLEY (DLFPS-321/3679)	21.7	58.3	8.3	3.0	78.3	26.7	91.7	57.3
MOONDANCE GLX	21.7	43.3	7.7	3.3	81.7	31.7	96.3	56.3
NATURALLY GREEN	18.3	41.7	7.7	3.7	83.3	36.7	92.7	56.3
TD2	15.0	43.3	8.0	2.7	83.3	25.0	91.7	56.3
PST-5MINK	21.7	68.3	7.3	2.3	63.3	20.0	86.0	56.0
EXTRAVAGANZA (PST-5MCMO)	20.0	43.3	8.0	3.7	78.3	35.0	94.0	55.7
PPG-TF 337	15.0	53.3	7.7	2.7	80.0	23.3	87.7	55.7
NAI-ST5	25.0	51.7	9.0	2.7	86.3	25.0	93.0	55.3
DLFPS-321/3708	20.0	50.0	8.3	2.3	83.3	30.0	94.3	54.3
RAPTOR III	18.3	46.7	8.3	2.7	88.3	28.3	93.3	54.3
ROWDIER (DLFPS-321/3699)	31.7	51.7	7.7	2.3	76.7	23.3	95.3	53.3
BONFIRE (JS DTT)	15.0	60.0	8.7	2.0	86.3	20.0	94.7	53.0

TABLE 17C.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

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

NAME	PERCENT ANNUAL BLUEGRASS COVER		UNIFORMITY		FULLNESS OF CANOPY		PERCENT GREEN COVER	
	NOVEMBER 9		OCTOBER 6		OCTOBER 6		OCTOBER 6	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
DLFPS-321/3707	20.0	48.3	8.0	2.3	84.7	18.3	93.7	53.0
TITAN MAX (TF456)	21.7	53.3	7.3	1.7	78.3	23.3	93.3	53.0
NAI-FQZ-17	35.0	51.7	7.0	3.0	60.0	25.0	87.0	52.7
SR 8700 (TMT1)	26.7	66.7	7.7	1.7	76.7	16.7	91.3	52.3
ESCALADE	35.0	50.0	7.0	2.3	63.3	20.0	89.7	52.0
BATTLE HAWK (NAI-ROS4)	15.0	46.7	8.7	2.0	94.3	20.0	95.3	51.7
JT 517	23.3	46.7	7.0	2.7	76.7	28.3	92.0	51.7
STEALTH (PPG-TF 238)	8.3	50.0	8.3	3.7	89.3	30.0	93.0	51.7
RC4	11.7	45.0	8.7	2.3	81.3	16.7	94.0	51.3
SOUTHSIDE (PPG-TF 267)	3.3	36.7	8.3	3.3	91.0	30.0	91.3	51.3
CLASH (AH1)	18.3	40.0	8.7	2.7	86.3	21.7	93.3	51.0
CAPITAN (DLFPS-321/3705)	16.7	48.3	6.7	2.3	66.7	25.0	92.3	50.7
DLFPS-321/3693	13.3	51.7	8.3	3.0	84.7	21.7	92.7	50.0
DYNAMITE G-LS (PPG-TF 254)	25.0	51.7	8.3	2.0	84.7	21.7	95.7	50.0
FIREHAWK SLT	28.3	65.0	7.7	1.3	81.7	8.3	95.0	49.0
PPG-TF 318	20.0	56.7	7.0	1.7	71.7	6.7	92.7	49.0
TALLADEGA II (NAI-3N2)	21.7	55.0	8.0	1.7	81.3	11.7	90.3	49.0
GLX ACED (PST-5DART)	10.0	35.0	8.3	3.3	90.0	28.3	96.3	48.7
XANADU (JT 268)	16.7	50.0	7.7	1.7	79.7	20.0	81.7	48.7
FIRECRACKER G-LS (PPG-TF 315)	21.7	41.7	6.3	1.7	66.7	23.3	82.3	48.3
DEGAS (LTP-TF-111)	26.7	75.0	6.0	1.3	66.7	8.3	68.7	48.0
K18-NSE	31.7	53.3	7.0	1.3	81.3	11.7	89.0	48.0
PPG-TF 231	21.7	36.7	8.3	3.0	88.0	23.3	92.3	47.7
HEMI	13.3	45.0	7.0	3.7	66.7	30.0	79.7	47.3
TANK (PPG-TF 338)	8.3	43.3	7.7	2.7	81.7	20.0	84.0	47.3
K18-RS6	11.7	45.0	8.0	2.0	88.3	23.3	96.0	47.0
JT 233	13.3	35.0	8.0	2.7	88.3	26.7	93.7	46.7
LIFEGUARD	13.3	40.0	8.0	3.7	83.3	28.3	95.3	46.7
DRAGSTER	36.7	60.0	6.3	1.3	66.7	11.7	90.0	46.3
ATF1768	20.0	35.0	8.3	2.7	85.0	28.3	94.7	46.0
FAIRFIELD (SETF104)	20.0	43.3	6.3	2.3	65.0	26.7	89.0	46.0
TITANIUM G-LS (PPG-TF 255)	11.7	46.7	8.3	2.7	93.3	18.3	95.3	46.0
BULLSEYE LTZ	11.7	41.7	8.3	3.0	93.3	26.7	95.3	45.7
K18-WB1	23.3	46.7	7.7	2.3	75.0	25.0	92.7	45.7
VALSETZ (PPG-TF 257)	15.0	50.0	8.0	3.0	86.3	21.7	93.3	45.3
GRANDE 3	23.3	53.3	7.0	1.7	75.0	16.7	90.0	44.0
DLFPS-321/3706	21.7	61.7	8.7	1.3	91.3	18.3	95.7	43.0
ZION (BAR TF 134)	23.3	55.0	8.0	2.3	76.7	23.3	95.0	43.0
FALCON SUPREME (RH1)	6.7	48.3	8.0	1.3	83.0	15.0	93.0	42.7
SE5STAR	23.3	43.3	6.3	2.0	68.3	25.0	82.0	42.7
PPG-TF 249	13.3	41.7	6.7	4.0	75.0	25.0	83.7	42.3
TITAN GLX (TF445)	15.0	43.3	7.0	1.7	76.7	21.7	92.3	42.0
FINELAWN SUPREME (RH3)	3.3	43.3	8.0	2.3	78.3	18.3	87.7	41.7
RHF	20.0	56.7	6.3	1.7	65.0	18.3	78.7	41.7
DLFPS-TF/3553	21.7	53.3	8.3	2.0	73.3	16.7	94.3	41.0

TABLE 17C.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER FALL TRAFFIC STRESS AT NORTH BRUNSWICK, NJ 1/  
2023 DATA

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

NAME	PERCENT ANNUAL BLUEGRASS COVER NOVEMBER 9		UNIFORMITY OCTOBER 6		FULLNESS OF CANOPY OCTOBER 6		PERCENT GREEN COVER OCTOBER 6	
	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC	NO TRAFFIC	TRAFFIC
	AVENGER III (PPG-TF 308)	21.7	46.7	8.7	1.7	91.7	20.0	93.0
ENDGAME (3N1)	15.0	38.3	7.0	1.3	76.3	10.0	90.3	40.3
RACEWAY (DLFPS-321/3696)	20.0	46.7	7.3	2.3	78.3	21.7	87.3	40.3
SPYDER 2LS (ZRC1)	11.7	36.7	8.7	3.0	92.7	25.0	95.3	40.3
TOUGH (NAI-TUE)	41.7	53.3	7.3	1.7	68.3	15.0	92.3	40.3
ESTRENA	13.3	50.0	6.3	1.0	61.7	6.7	69.7	40.0
OG-WALK	41.7	40.0	7.0	2.3	63.3	26.7	89.3	40.0
RAD-TF115 (TURBO SS)	23.3	51.7	4.7	1.3	55.0	11.7	76.7	40.0
RS1	16.7	50.0	8.0	1.3	83.3	11.7	87.3	39.7
SETFM2	21.7	41.7	6.7	1.7	60.0	20.0	81.7	39.7
BANDIT	21.7	41.7	7.7	2.0	78.3	21.7	93.3	39.3
PADRE 2	8.3	36.7	8.7	3.0	94.7	28.3	95.7	39.3
FASTLANE (BY-TF-169)	28.3	51.7	6.7	1.7	66.7	13.3	85.0	38.7
BLADERUNNER 3 (DLFPS-321/3701)	16.7	45.0	8.7	2.0	88.0	16.7	95.3	38.0
SYMPHONY (PPG-TF 305)	25.0	45.0	8.3	1.7	88.3	16.7	95.7	38.0
FIRENZA II (PPG-TF 244)	8.3	31.7	8.0	1.3	88.0	20.0	93.7	37.3
PARAMOUNT	13.3	53.3	8.0	1.3	75.0	11.7	92.3	36.7
EXPANSE (PPG-TF 262)	13.3	51.7	7.0	1.3	79.7	11.7	77.3	36.3
OKEEFE (LTP-TF-122)	13.3	50.0	7.3	2.0	73.3	16.7	91.7	36.3
SERENADE (PPG-TF 320)	11.7	48.3	8.7	2.3	88.0	16.7	93.3	36.0
COL-TF-148	13.3	38.3	8.7	1.7	86.3	8.3	93.0	35.7
DLFPS-321/3694	18.3	63.3	7.0	1.3	71.7	10.0	84.0	34.7
TRIAD (PPG-TF 323)	20.0	43.3	7.0	1.3	70.0	13.3	83.3	34.7
3B2	20.0	46.7	8.3	2.0	86.7	18.3	95.3	34.3
LAFAYETTE (GO-AOMK)	21.7	46.7	7.3	2.3	81.7	18.3	85.3	34.0
PPG-TF 312	36.7	48.3	6.7	1.0	61.7	10.0	87.0	33.7
RDC	18.3	46.7	7.3	1.3	76.7	16.7	87.7	33.3
ROVER (PPG-TF 306)	8.3	43.3	7.0	2.0	75.0	13.3	86.7	33.0
GALLARDO (DLFPS-TF/3550)	8.3	33.3	7.7	2.0	81.3	20.0	80.7	32.7
DLFPS-321/3695	16.7	43.3	8.3	1.3	85.0	13.3	95.3	32.3
FAYETTE	11.7	35.0	6.7	1.7	68.3	11.7	80.3	32.3
RAD-TF105	23.3	41.7	6.0	1.3	63.3	15.0	76.7	32.3
NT-3	13.3	48.3	7.0	1.3	71.7	13.3	86.0	32.0
RAD-TF131	20.0	40.0	5.7	1.7	60.0	18.3	70.0	31.7
HOUND DOG NINE (DLFPS-321/3702)	11.7	33.3	8.0	2.0	91.7	20.0	94.0	31.3
RAPTOR LS (PPG-TF 336)	18.3	48.3	5.0	1.0	55.0	10.0	65.0	31.3
5LSS	23.3	48.3	6.0	1.7	58.3	11.7	69.7	29.7
TEACHER (PPG-TF 313)	16.7	45.0	6.7	1.3	71.3	10.0	87.3	29.7
PPG-TF 316	13.3	38.3	8.0	1.0	75.0	11.7	92.0	29.3
RHL2	10.0	45.0	6.0	1.3	61.7	8.3	77.7	28.7
DAYBREAK (AH2)	10.0	43.3	8.3	1.3	89.3	6.7	93.7	27.0
ESSENTIAL 2 (DLFPS-TF/3552)	18.3	30.0	8.3	2.0	90.0	16.7	95.0	25.0
LSD VALUE	21.4	54.0	2.5	2.3	26.9	22.3	24.5	49.1
C.V. (%)	55.7	28.8	16.0	47.1	17.4	49.4	10.3	35.0

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.



3/ GREEN COVER DETERMINED BY DIGITAL IMAGE ANALYSIS; AFTER 14 PASSES OF THE CTS (CADY TRAFFIC SIMULATOR) PASSES OF THE RWS (RUTGERS WEAR SIMULATOR).

TABLE 18.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT STILLWATER, OK 1/  
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS											MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
VALSETZ (PPG-TF 257)	6.0	6.0	5.3	4.0	5.7	6.7	6.0	6.0	5.3	5.7	6.0	6.3	6.3	5.8
PROVIDENCE (GO-RH20)	6.0	6.0	4.7	4.3	6.0	5.3	6.0	5.7	4.0	7.0	6.3	7.0	6.3	5.7
SR 8700 (TMT1)	6.0	6.0	4.7	4.0	5.3	6.7	6.3	6.3	4.0	6.3	6.0	6.7	6.0	5.7
XANADU (JT 268)	7.0	6.0	4.3	4.7	5.7	5.7	6.0	6.3	4.0	6.7	6.3	6.7	6.3	5.7
BLADERUNNER 3 (DLFPS-321/3701)	6.3	6.0	4.7	4.0	5.3	6.0	6.0	6.0	4.7	6.0	6.0	6.3	6.3	5.6
CAPITAN (DLFPS-321/3705)	5.7	5.7	4.7	3.7	5.0	6.0	6.3	5.7	5.0	6.0	6.7	6.7	5.7	5.6
DAYBREAK (AH2)	6.0	6.0	5.0	4.0	5.3	6.0	6.7	6.0	4.0	6.0	6.0	6.3	6.0	5.6
FIRENZA II (PPG-TF 244)	6.0	6.0	5.0	4.3	5.7	6.0	6.7	6.0	4.3	6.0	6.0	6.0	5.7	5.6
KIZZLE (K18-ROE)	6.0	5.7	5.3	4.7	5.7	6.3	6.0	6.0	4.0	5.7	6.0	6.0	5.7	5.6
OKEEFE (LTP-TF-122)	6.0	6.0	4.3	4.3	5.3	5.7	6.0	6.0	5.7	5.0	6.0	7.0	6.3	5.6
PPG-TF 249	6.7	5.7	4.7	4.3	6.0	6.3	5.7	6.0	4.3	6.0	6.3	6.3	6.0	5.6
ROWDIER (DLFPS-321/3699)	6.0	6.0	4.7	4.0	5.3	6.7	6.0	6.0	4.7	5.3	6.0	6.7	6.3	5.6
SYMPHONY (PPG-TF 305)	6.0	5.7	5.0	4.0	6.0	6.7	6.3	6.0	5.0	5.0	5.3	6.0	6.0	5.6
TANK (PPG-TF 338)	6.0	6.3	4.7	4.3	4.7	6.3	6.7	6.0	4.7	5.7	6.0	6.7	5.7	5.6
3B2	6.0	5.7	5.0	4.3	5.7	6.0	6.0	6.0	5.3	5.7	5.3	5.3	6.3	5.5
AVENGER III (PPG-TF 308)	6.0	6.0	4.7	4.3	5.0	6.0	6.0	6.0	3.7	7.0	5.7	6.7	5.7	5.5
BENTLEY (DLFPS-321/3679)	6.0	5.3	5.0	3.7	5.3	6.0	6.0	5.7	3.7	6.0	6.0	6.3	6.3	5.5
DLFPS-321/3706	6.0	5.7	4.3	4.3	5.7	5.7	6.3	5.7	5.3	5.3	5.7	6.3	5.7	5.5
EXPANSE (PPG-TF 262)	6.0	6.0	5.3	4.3	5.7	6.0	6.3	6.0	3.0	6.0	6.0	6.0	5.3	5.5
FAYETTE	6.0	6.0	5.3	4.0	5.7	5.7	6.3	6.0	5.3	5.3	5.7	5.7	5.7	5.5
GALACTIC (SESCR1)	5.7	6.0	4.7	4.3	5.7	6.0	6.0	6.0	4.7	5.0	6.0	6.0	5.7	5.5
GALLARDO (DLFPS-TF/3550)	7.0	6.0	4.7	4.3	5.0	6.0	6.3	6.0	5.0	5.3	6.0	6.0	6.0	5.5
GLX ACED (PST-5DART)	6.0	5.3	4.7	4.3	4.7	5.7	6.0	5.7	4.3	6.3	6.7	6.3	6.3	5.5
GRO-PRO (SE53D2)	6.0	5.7	4.3	3.7	5.3	6.3	6.0	5.7	4.3	6.0	6.0	6.7	5.7	5.5
NAI-ST5	6.0	6.0	5.0	4.0	5.7	6.0	6.3	6.3	5.0	4.7	5.3	6.0	5.7	5.5
PADRE 2	6.0	6.0	4.7	4.3	5.3	6.0	6.3	5.7	4.7	5.7	6.0	6.3	6.0	5.5
PPG-TF 316	6.0	5.7	5.0	4.0	5.7	6.3	6.3	6.0	4.7	6.0	5.3	5.3	5.3	5.5
PPG-TF 337	6.0	6.0	5.0	3.7	5.3	6.0	6.3	6.0	4.0	5.7	5.7	6.3	6.0	5.5
BRAVO 2	6.0	6.0	4.3	4.0	5.3	5.7	6.0	6.0	4.7	5.7	5.7	6.3	5.7	5.4
BULLSEYE LTZ	6.0	5.7	4.0	4.3	4.7	6.3	6.3	6.0	4.7	5.0	6.0	6.0	5.7	5.4
DLFPS-321/3694	6.3	6.0	5.0	4.3	4.7	6.0	6.0	5.3	3.7	6.0	6.0	6.7	5.3	5.4
DLFPS-321/3695	6.0	5.7	5.3	3.7	5.7	6.0	6.3	6.0	4.0	6.0	5.7	5.7	5.0	5.4
DLFPS-321/3703	6.0	6.0	5.3	4.7	5.7	6.0	6.0	5.3	3.7	4.7	5.7	6.0	6.0	5.4
DRAGSTER	6.0	6.0	4.7	3.7	5.0	6.0	6.3	6.3	4.0	5.0	5.3	6.3	6.3	5.4
DYNAMITE G-LS (PPG-TF 254)	6.0	6.0	4.7	4.0	5.7	6.0	6.7	6.0	3.0	5.7	5.7	6.3	6.0	5.4
ESTRENA	6.0	6.0	4.3	4.3	5.3	6.0	6.0	5.7	5.3	5.0	5.7	6.0	5.7	5.4
EXTRAVAGANZA (PST-5MCMO)	6.0	5.3	4.7	4.3	5.3	5.7	6.3	6.0	5.0	4.3	5.7	6.0	5.7	5.4
FASTLANE (BY-TF-169)	6.0	6.0	4.7	3.3	5.0	6.3	6.3	6.0	4.0	5.3	5.7	6.3	6.0	5.4
FIREHAWK SLT	6.0	5.3	4.3	4.3	5.3	5.7	6.0	6.7	5.7	4.7	5.0	5.7	5.7	5.4
MOONDANCE GLX	6.0	5.7	5.0	4.0	6.0	5.3	6.0	5.7	4.7	6.0	5.3	6.0	5.7	5.4
PPG-TF 318	6.3	5.7	5.3	3.7	5.0	6.3	6.3	5.7	3.7	6.0	5.7	6.0	6.0	5.4
RDC	6.0	6.0	4.7	4.0	5.7	6.0	6.0	5.7	4.0	4.7	5.7	6.7	6.0	5.4
TD2	6.0	6.0	5.0	4.0	5.3	6.0	6.7	6.0	4.3	4.3	5.0	6.3	6.3	5.4
BATTLE HAWK (NAI-ROS4)	6.3	6.0	4.7	4.0	5.3	5.7	6.0	6.0	5.7	4.7	5.0	6.0	5.7	5.3
BULLSEYE	6.0	6.0	4.0	3.3	5.7	5.7	6.0	6.0	5.3	5.3	5.3	6.0	6.0	5.3

TABLE 18.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT STILLWATER, OK 1/  
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS											MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DEGAS (LTP-TF-111)	5.7	6.0	5.0	4.7	4.7	6.0	6.3	6.3	4.3	5.0	5.7	5.7	5.0	5.3
DLFPS-321/3707	6.3	6.0	5.3	3.7	5.3	5.3	6.3	5.7	4.7	5.3	5.3	5.7	5.7	5.3
FALCON SUPREME (RH1)	5.7	5.7	4.7	3.7	5.0	6.0	6.3	6.0	4.7	5.0	5.7	5.7	5.7	5.3
GRANDE 3	6.0	5.3	4.7	3.3	5.0	6.0	6.0	5.7	4.7	5.3	5.7	6.0	5.7	5.3
MONUMENT (PST-5SQB)	5.0	5.0	5.0	4.7	4.3	5.3	5.7	5.7	5.3	5.0	5.7	6.0	5.7	5.3
ORIOLE (PST-5BYOB)	6.0	5.3	4.3	3.3	4.7	5.0	6.0	5.7	5.0	5.7	6.3	6.0	6.0	5.3
PPG-TF 231	6.3	5.7	4.7	3.7	4.3	6.3	6.0	5.3	3.7	6.7	6.3	6.3	5.0	5.3
PST-5THM	5.7	5.3	4.0	4.0	5.0	5.3	6.0	5.7	4.7	5.3	6.0	5.7	6.3	5.3
PST-5TRN	6.0	5.3	4.7	3.7	6.0	5.7	6.3	6.0	4.7	4.3	5.3	6.0	6.0	5.3
RS1	6.0	6.0	5.0	3.7	5.7	6.3	6.3	6.0	2.7	4.7	5.3	6.3	6.3	5.3
SERENADE (PPG-TF 320)	6.0	6.0	4.0	3.0	5.0	6.0	6.7	5.7	5.7	5.0	4.3	6.3	6.7	5.3
SOUTHSIDE(PPG-TF 267)	6.3	6.0	4.7	4.0	5.3	6.7	6.0	5.7	4.0	5.0	5.3	5.7	5.7	5.3
SPYDER 2LS (ZRC1)	6.0	6.0	4.7	4.3	4.7	6.0	6.0	5.7	3.3	6.0	6.0	6.0	5.7	5.3
STEALTH (PPG-TF 238)	6.0	6.0	4.3	3.3	5.0	6.3	6.3	6.0	4.7	5.7	5.3	5.7	6.0	5.3
TALLADEGA II (NAI-3N2)	6.0	6.0	4.3	3.7	5.3	5.7	6.0	6.0	5.7	5.0	5.3	5.7	5.3	5.3
TITAN MAX (TF456)	5.3	5.7	4.7	3.7	5.7	5.7	6.0	6.0	4.7	5.3	5.3	6.0	5.7	5.3
TITANIUM G-LS (PPG-TF 255)	5.7	6.0	5.0	4.0	5.0	6.0	6.3	6.0	3.7	5.3	5.3	5.7	5.7	5.3
ZION (BAR TF 134)	6.0	5.7	4.7	4.3	4.7	5.7	5.7	6.0	5.0	5.0	5.3	6.0	5.7	5.3
AST8118LM	6.0	5.7	4.3	3.7	5.0	5.3	5.7	6.0	4.7	5.3	5.7	6.0	5.7	5.2
ATF1768	6.0	5.3	4.0	4.3	5.3	6.0	6.3	5.7	4.3	3.7	5.3	6.3	6.0	5.2
ATF2116	6.0	5.7	4.7	3.3	5.3	6.0	6.0	5.3	4.0	5.3	5.7	6.0	6.0	5.2
BONFIRE (JS DTT)	6.0	5.3	5.0	4.0	5.7	6.3	6.3	5.0	3.0	5.0	5.0	6.3	6.0	5.2
DLFPS-321/3693	6.0	6.0	4.7	3.7	4.7	6.0	6.0	6.0	3.3	5.3	5.7	6.0	5.3	5.2
DLFPS-321/3708	6.0	5.7	4.7	3.7	4.3	6.0	6.7	6.0	4.3	4.7	5.7	6.3	5.3	5.2
ENDGAME (3N1)	6.0	5.3	4.7	3.7	5.3	5.7	6.0	6.0	5.0	4.3	5.0	5.3	5.7	5.2
ESCALADE	6.0	5.3	4.3	4.0	5.7	5.3	5.0	5.3	5.3	5.3	5.7	6.0	5.7	5.2
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	5.7	4.7	4.0	4.7	6.0	6.3	6.0	4.7	5.0	5.3	5.3	4.7	5.2
GLX REVIVE (PST-5GLBS)	6.0	5.3	4.3	3.7	5.3	5.0	5.7	5.7	4.3	5.3	6.3	6.0	6.0	5.2
HOUNDOG NINE (DLFPS-321/3702)	6.3	6.0	4.0	4.0	5.0	6.3	6.3	6.0	3.3	5.3	5.7	5.7	5.3	5.2
LBF	6.7	5.7	4.3	4.0	4.7	5.7	6.0	5.0	4.7	4.7	5.7	6.3	6.0	5.2
NAI-FQZ-17	6.0	5.7	3.7	4.0	5.3	5.3	5.7	5.3	5.0	5.3	5.7	5.7	6.0	5.2
PST-5DZM	6.0	5.7	4.3	4.0	4.7	5.7	6.0	6.0	5.0	4.3	5.7	6.0	6.0	5.2
RC4	6.0	5.7	4.3	4.0	4.7	6.3	6.3	5.7	3.0	5.0	5.7	5.7	6.0	5.2
TITAN GLX (TF445)	6.0	6.0	4.3	4.3	5.7	6.0	6.0	6.0	3.7	4.3	4.7	6.0	6.0	5.2
AST8218LM	6.3	5.3	4.0	3.7	5.0	5.7	5.3	5.0	5.3	4.7	5.3	5.7	6.0	5.1
BAR-FA8230	6.0	5.3	4.0	3.7	4.7	5.3	5.3	5.3	5.7	4.0	5.7	6.0	6.0	5.1
FIRECRACKER G-LS (PPG-TF 315)	6.0	6.0	4.3	3.7	4.7	7.0	6.3	6.0	3.3	5.0	4.3	6.0	5.7	5.1
JT 233	6.0	6.0	4.3	3.7	5.0	6.7	6.3	6.0	2.3	6.3	5.0	5.7	4.7	5.1
PRO GOLD	5.3	5.3	4.3	3.7	5.3	5.3	6.0	5.7	4.7	5.0	5.3	5.3	5.0	5.1
PST-5DC24	6.0	5.0	4.3	4.0	5.0	6.0	6.3	5.3	3.7	5.0	5.3	6.0	5.3	5.1
PST-5GQ	6.0	5.7	4.0	3.7	5.0	5.7	6.0	6.0	3.3	5.0	5.0	6.0	6.0	5.1
RAPTOR LS (PPG-TF 336)	6.0	5.7	4.0	3.7	5.0	6.0	6.3	6.0	4.0	4.7	5.3	5.3	5.7	5.1
SETFM2	6.3	5.3	4.3	4.3	4.7	5.7	5.7	6.0	4.7	4.3	4.7	5.7	5.7	5.1
TANGO	6.0	5.3	4.3	4.0	5.3	5.3	5.7	6.0	4.0	5.3	5.3	5.3	5.3	5.1
TOPSHELF (BGR-TF3)	7.0	6.0	4.3	3.7	5.3	5.3	5.7	5.7	4.3	5.0	5.0	6.0	6.0	5.1

TABLE 18.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT STILLWATER, OK 1/  
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS											MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
TRIAD (PPG-TF 323)	6.0	6.0	4.0	3.3	4.7	6.7	6.3	6.0	3.3	5.3	5.0	5.7	5.7	5.1
BANDIT	6.0	5.7	4.3	3.3	4.7	6.3	5.3	5.0	4.7	5.0	5.3	5.7	5.7	5.0
BIRMINGHAM	6.3	5.3	5.0	4.7	4.7	5.3	5.3	5.0	4.3	4.7	5.7	5.3	5.3	5.0
COL-TF-148	6.0	6.0	4.3	4.0	5.0	5.0	6.0	6.0	4.0	4.3	5.0	6.0	5.7	5.0
DLFPS-TF/3553	6.0	5.7	4.3	3.7	4.3	5.7	6.0	6.0	4.7	4.3	5.0	5.3	5.3	5.0
FINELAWN SUPREME (RH3)	6.0	5.7	5.0	4.0	5.0	6.0	6.3	5.3	2.0	5.3	5.7	5.7	5.0	5.0
JT 517	6.0	6.0	4.7	3.7	5.7	6.0	6.0	5.7	3.7	4.3	4.7	5.7	5.3	5.0
LAFAYETTE (GO-AOMK)	6.3	5.7	4.0	3.3	5.0	6.3	6.0	5.7	3.3	4.7	5.3	6.0	5.7	5.0
NT-3	6.0	5.0	5.0	3.3	4.3	6.0	6.3	5.3	2.3	5.0	5.7	6.0	5.7	5.0
PARAMOUNT	6.0	5.7	4.0	4.0	4.3	6.0	6.0	5.7	4.3	4.7	5.3	6.0	5.0	5.0
PST-5MINK	6.3	5.3	4.3	3.7	4.7	5.7	5.7	5.3	4.0	5.3	5.3	5.7	5.3	5.0
RACEWAY (DLFPS-321/3696)	6.0	5.7	4.3	3.0	5.0	6.7	6.3	6.0	2.7	5.0	5.0	6.0	5.3	5.0
RAPTOR III	6.0	5.7	4.7	4.0	5.3	6.0	5.7	5.3	3.3	4.3	5.7	5.7	5.3	5.0
ROVER (PPG-TF 306)	5.7	5.7	3.7	3.3	4.0	6.0	6.7	5.7	4.0	5.7	5.7	5.7	4.7	5.0
SETFM3	6.0	5.3	4.7	4.3	5.3	6.0	5.7	5.3	3.7	4.0	5.3	5.7	4.7	5.0
TOUGH (NAI-TUE)	6.0	6.0	4.0	3.0	4.3	5.3	6.3	6.7	5.3	4.3	4.3	5.7	5.3	5.0
CLASH (AH1)	6.0	6.0	4.7	4.3	5.0	5.7	6.0	5.3	3.7	5.0	5.0	5.0	4.7	4.9
FAIRFIELD (SETF104)	6.0	5.7	4.3	3.7	4.3	6.0	6.0	5.7	3.0	4.3	5.0	6.0	5.7	4.9
HELLCAT GLR (PST-5E6)	5.7	5.0	4.7	4.3	4.7	5.7	6.3	5.7	2.0	4.7	5.0	5.3	5.3	4.9
HEMI	5.7	5.7	4.3	3.7	4.7	5.3	5.7	5.0	4.3	5.0	5.3	5.7	5.3	4.9
LIFEGUARD	6.0	5.7	4.0	4.0	4.7	5.7	5.7	5.7	3.3	5.3	5.3	5.3	5.3	4.9
NATURALLY GREEN	7.0	5.7	4.0	3.3	4.7	5.0	5.3	5.3	5.0	4.7	5.3	5.7	5.7	4.9
OG-WALK	6.0	5.7	4.0	3.7	5.0	5.0	5.0	5.0	4.7	4.7	5.7	6.0	5.7	4.9
A-TF31	6.7	5.7	3.7	3.3	4.0	5.7	5.7	5.7	5.3	4.3	4.7	5.3	5.0	4.8
BAR FA 8228	6.0	5.0	4.3	3.7	4.3	5.3	5.3	5.0	3.7	4.0	5.3	6.0	5.7	4.8
GRAND PRIX (FC15-01P)	6.0	5.7	4.3	3.3	4.3	5.0	5.3	5.3	4.7	4.0	4.7	5.7	5.7	4.8
K18-NSE	6.0	6.3	4.0	3.7	3.7	4.7	5.7	6.0	5.3	3.3	5.0	5.3	6.0	4.8
K18-RS6	6.0	6.0	4.3	3.7	4.3	5.0	6.0	5.7	4.0	4.0	5.0	5.7	5.7	4.8
K18-WB1	6.0	6.0	4.3	3.7	4.0	6.0	6.3	5.0	2.7	5.0	5.0	5.3	5.0	4.8
PPG-TF 312	6.0	6.0	4.3	3.7	4.7	6.0	5.7	5.7	3.3	5.0	4.7	5.7	4.7	4.8
RAD-TF105	6.7	5.7	4.3	3.7	4.0	6.0	5.0	5.0	4.0	4.7	5.0	5.7	5.0	4.8
RHF	6.0	6.0	4.3	3.0	5.3	5.7	6.0	5.3	3.0	4.0	4.3	6.0	5.7	4.8
RHL2	6.0	6.0	4.7	3.3	4.7	5.7	5.7	5.7	3.7	4.3	4.7	5.3	5.7	4.8
SE5STAR	6.0	5.7	3.3	3.3	5.0	5.3	5.7	5.3	5.0	4.0	5.0	5.7	5.3	4.8
TEACHER (PPG-TF 313)	6.0	6.0	4.0	3.0	4.7	5.3	5.7	6.0	5.0	4.0	4.7	5.3	5.3	4.8
COPIOUS TF	7.0	5.7	4.0	3.3	4.3	5.3	5.7	5.3	4.0	4.3	4.7	5.7	4.7	4.7
PALOMAR	5.7	5.0	4.3	3.7	5.0	5.0	5.0	4.7	4.7	5.0	4.3	5.0	5.3	4.7
5LSS	6.0	6.0	4.3	3.7	4.3	6.0	5.7	5.3	2.7	4.3	4.7	4.7	4.3	4.5
BARNOBLE (BAR 9FE MAS)	6.0	5.7	4.0	3.0	4.3	5.3	5.3	5.0	4.3	4.0	4.7	5.3	4.7	4.5
RAD-TF131	6.3	5.7	3.3	3.0	3.3	5.3	5.0	5.0	4.7	3.0	4.7	5.0	5.3	4.3
RAD-TF115 (TURBO SS)	6.0	5.7	3.0	2.7	4.7	5.0	4.3	4.0	3.7	3.3	3.7	5.3	4.7	4.0
KENTUCKY-31	4.0	4.7	3.7	2.7	3.0	4.0	4.0	4.0	4.0	3.0	3.3	4.0	3.7	3.6
LSD VALUE	0.6	1.0	1.9	1.9	2.4	1.4	1.0	1.2	4.9	2.5	1.5	1.6	3.1	0.8
C.V. (%)	5.4	7.5	14.5	16.9	16.5	10.7	8.5	9.7	31.5	20.4	13.1	10.8	14.2	7.8

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

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

TABLE 18.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT STILLWATER, OK 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER			WINTER COLOR
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	
VALSETZ (PPG-TF 257)	7.0	5.0	6.0	99.0	89.7	99.0	6.0
PROVIDENCE (GO-RH20)	6.7	5.0	6.3	99.0	94.7	99.0	6.0
SR 8700 (TMT1)	7.3	4.7	6.0	99.0	99.0	99.0	6.0
XANADU (JT 268)	5.7	4.7	6.0	99.0	96.3	97.7	6.0
BLADERUNNER 3 (DLFPS-321/3701)	6.7	5.3	6.0	99.0	90.0	99.0	6.0
CAPITAN (DLFPS-321/3705)	6.3	5.3	5.7	99.0	91.7	87.7	6.0
DAYBREAK (AH2)	6.3	4.7	6.7	99.0	92.7	99.0	6.0
FIRENZA II (PPG-TF 244)	6.7	4.7	6.3	99.0	92.7	96.0	6.0
KIZZLE (K18-ROE)	6.0	4.7	6.0	99.0	90.0	96.0	6.0
OKEEFE (LTP-TF-122)	6.3	5.7	6.0	99.0	84.7	99.0	6.0
PPG-TF 249	7.3	5.3	5.7	99.0	93.3	99.0	6.0
ROWDIER (DLFPS-321/3699)	6.7	5.0	6.0	99.0	99.0	99.0	6.0
SYMPHONY (PPG-TF 305)	6.7	4.7	6.0	99.0	83.0	99.0	5.7
TANK (PPG-TF 338)	6.7	5.0	6.0	99.0	89.7	99.0	5.7
3B2	7.0	5.3	6.0	99.0	91.3	99.0	6.0
AVENGER III (PPG-TF 308)	6.3	3.7	5.7	99.0	99.0	91.0	6.0
BENTLEY (DLFPS-321/3679)	6.3	4.7	6.0	99.0	99.0	99.0	6.0
DLFPS-321/3706	6.3	5.3	5.3	94.3	91.3	94.3	6.0
EXPANSE (PPG-TF 262)	6.3	3.7	5.7	99.0	86.7	97.7	6.0
FAYETTE	6.0	5.3	5.7	99.0	99.0	97.7	5.7
GALACTIC (SESCR1)	6.7	5.0	6.3	99.0	81.3	87.7	6.0
GALLARDO (DLFPS-TF/3550)	6.7	5.7	6.0	99.0	99.0	99.0	6.0
GLX ACED (PST-5DART)	6.7	4.7	5.7	99.0	93.0	99.0	6.0
GRO-PRO (SE53D2)	6.7	5.0	5.7	99.0	91.7	96.0	5.3
NAI-ST5	7.0	4.7	5.3	99.0	88.0	99.0	6.0
PADRE 2	6.7	5.7	6.3	99.0	88.0	99.0	6.0
PPG-TF 316	7.0	4.3	5.7	99.0	90.0	88.0	6.0
PPG-TF 337	6.7	4.0	6.0	99.0	94.7	96.0	6.0
BRAVO 2	6.3	5.3	5.3	99.0	91.7	96.0	6.0
BULLSEYE LTZ	6.7	5.0	5.7	99.0	85.0	99.0	6.0
DLFPS-321/3694	6.7	4.7	5.7	99.0	94.3	86.3	6.3
DLFPS-321/3695	6.7	5.3	5.0	99.0	99.0	89.7	6.0
DLFPS-321/3703	6.0	4.7	6.0	99.0	84.7	99.0	6.0
DRAGSTER	6.7	4.7	6.3	99.0	81.7	99.0	6.0
DYNAMITE G-LS (PPG-TF 254)	6.7	3.3	5.7	99.0	88.0	96.0	6.0
ESTRENA	6.0	5.7	6.0	99.0	91.3	99.0	5.7
EXTRAVAGANZA (PST-5MCMO)	7.0	5.7	5.7	99.0	73.3	97.7	6.0
FASTLANE (BY-TF-169)	7.0	4.3	6.0	99.0	84.7	99.0	6.0
FIREHAWK SLT	6.0	5.3	5.7	99.0	88.0	96.0	5.7
MOONDANCE GLX	7.0	5.3	6.3	99.0	96.0	96.0	5.7
PPG-TF 318	7.0	3.7	6.0	99.0	93.0	99.0	6.0
RDC	6.0	4.3	5.7	99.0	78.3	99.0	5.7
TD2	6.7	5.0	6.0	99.0	99.0	99.0	5.7
BATTLE HAWK (NAI-ROS4)	7.0	5.7	6.0	99.0	89.3	99.0	6.0
BULLSEYE	6.7	5.7	6.0	99.0	86.3	96.0	6.0

TABLE 18.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT STILLWATER, OK 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER			WINTER COLOR
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	
DEGAS (LTP-TF-111)	7.0	5.0	5.3	99	80.0	96.0	6.0
DLFPS-321/3707	6.0	5.0	6.0	99	86.7	94.3	6.0
FALCON SUPREME (RH1)	6.3	4.7	5.3	99	88.3	93.0	6.0
GRANDE 3	6.0	5.0	6.0	99	99.0	96.0	6.3
MONUMENT (PST-5SQB)	6.0	5.7	5.3	99	88.3	94.7	6.0
ORIOLE (PST-5BYOB)	7.0	5.0	5.7	99	91.7	99.0	6.0
PPG-TF 231	6.7	4.3	4.0	99	99.0	84.7	6.0
PST-5THM	6.3	5.0	5.7	99	89.7	99.0	6.0
PST-5TRN	6.7	5.3	6.0	99	79.7	99.0	6.0
RS1	6.3	3.7	5.7	99	99.0	99.0	6.0
SERENADE (PPG-TF 320)	7.3	6.0	6.7	99	80.0	99.0	5.7
SOUTHSIDE (PPG-TF 267)	7.0	5.0	5.7	99	81.7	97.7	6.0
SPYDER 2LS (ZRC1)	6.0	3.7	6.0	99	94.7	96.0	6.0
STEALTH (PPG-TF 238)	6.3	5.0	6.0	99	88.0	99.0	5.7
TALLADEGA II (NAI-3N2)	6.7	6.0	6.0	99	83.0	99.0	5.7
TITAN MAX (TF456)	6.7	5.0	6.0	99	81.7	88.0	6.0
TITANIUM G-LS (PPG-TF 255)	7.0	4.0	5.7	99	86.3	96.0	6.0
ZION (BAR TF 134)	6.3	5.0	5.3	96	88.0	97.7	6.0
AST8118LM	6.3	5.0	5.0	99	86.3	94.3	5.7
ATF1768	6.3	4.3	5.7	99	99.0	96.0	6.0
ATF2116	6.7	5.3	6.3	99	99.0	96.0	6.0
BONFIRE (JS DTT)	7.0	4.0	6.3	99	81.7	99.0	6.0
DLFPS-321/3693	6.3	4.3	5.3	99	86.7	96.0	6.0
DLFPS-321/3708	6.7	4.0	5.0	99	81.7	99.0	6.0
ENDGAME (3N1)	7.0	5.3	5.7	99	80.0	99.0	6.0
ESCALADE	6.3	6.0	5.7	99	88.3	99.0	5.7
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	4.7	5.3	99	99.0	77.7	6.0
GLX REVIVE (PST-5GLBS)	6.0	5.3	6.3	99	85.0	99.0	6.0
HOUND OG NINE (DLFPS-321/3702)	6.3	4.3	5.7	99	83.3	94.3	6.0
LBF	6.3	5.0	6.0	99	99.0	99.0	6.7
NAI-FQZ-17	6.0	5.3	5.7	99	93.3	99.0	6.0
PST-5DZM	6.7	5.7	6.0	99	88.3	99.0	5.7
RC4	7.0	3.7	6.0	99	83.3	97.7	6.0
TITAN GLX (TF445)	6.0	4.0	5.7	99	75.0	99.0	6.0
AST8218LM	6.3	5.7	5.7	99	96.3	99.0	5.7
BAR-FA8230	6.3	5.7	6.0	99	80.0	99.0	6.0
FIRECRACKER G-LS (PPG-TF 315)	6.7	4.7	5.7	99	81.3	96.0	6.0
JT 233	7.0	3.3	4.7	99	96.0	89.7	6.0
PRO GOLD	7.0	5.0	5.3	99	88.0	89.3	5.7
PST-5DC24	6.3	4.7	5.0	99	83.3	99.0	5.3
PST-5GQ	6.0	4.7	6.0	99	80.0	99.0	5.7
RAPTOR LS (PPG-TF 336)	7.0	5.0	5.7	99	78.3	96.0	5.7
SETFM2	6.0	5.7	5.7	99	76.7	96.0	5.7
TANGO	6.0	4.3	5.7	99	81.7	83.0	5.7
TOPSHELF (BGR-TF3)	6.0	5.3	5.7	99	99.0	99.0	5.7

TABLE 18.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT STILLWATER, OK 1/  
2023 DATA

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

NAME	DENSITY			PERCENT GROUND COVER			WINTER COLOR
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	
TRIAD (PPG-TF 323)	6.7	3.3	5.3	99.0	85.0	91.3	5.7
BANDIT	7.0	4.7	6.0	99.0	86.3	99.0	6.0
BIRMINGHAM	6.0	4.3	5.0	99.0	94.7	97.7	6.0
COL-TF-148	6.0	4.7	6.0	91.0	80.0	99.0	6.0
DLFPS-TF/3553	5.7	4.3	5.3	99.0	99.0	96.0	6.0
FINELAWN SUPREME (RH3)	7.0	3.0	5.3	99.0	84.7	84.7	6.0
JT 517	6.3	4.0	5.7	99.0	75.0	96.0	6.0
LAFAYETTE (GO-AOMK)	6.3	4.0	5.3	99.0	90.0	96.0	5.3
NT-3	6.3	4.0	5.3	99.0	99.0	93.0	6.0
PARAMOUNT	6.0	4.3	5.3	99.0	88.0	74.3	6.0
PST-5MINK	6.0	3.7	5.3	99.0	94.3	89.3	5.7
RACEWAY (DLFPS-321/3696)	6.3	3.7	5.7	99.0	99.0	96.0	6.0
RAPTOR III	6.0	3.7	5.0	99.0	80.0	94.3	5.3
ROVER (PPG-TF 306)	6.3	4.7	5.3	99.0	88.0	79.7	6.0
SETFM3	7.0	3.7	5.0	99.0	78.3	94.3	6.0
TOUGH (NAI-TUE)	7.0	5.3	5.7	99.0	86.3	83.0	6.0
CLASH (AH1)	6.0	4.7	5.3	99.0	91.3	74.3	6.0
FAIRFIELD (SETF104)	6.0	3.3	5.0	99.0	85.0	94.3	5.7
HELLCAT GLR (PST-5E6)	6.0	3.0	5.0	99.0	83.0	99.0	5.7
HEMI	6.0	4.7	5.7	99.0	85.0	96.0	5.3
LIFEGUARD	6.3	4.0	5.7	99.0	86.3	89.3	6.0
NATURALLY GREEN	5.7	5.0	5.7	99.0	89.7	86.0	5.7
OG-WALK	6.0	4.3	5.7	99.0	94.7	96.0	5.7
A-TF31	6.0	5.7	5.3	99.0	89.7	73.0	6.0
BAR FA 8228	6.0	4.3	5.0	99.0	76.7	96.0	5.7
GRAND PRIX (FC15-01P)	6.0	5.0	5.7	99.0	78.3	99.0	6.0
K18-NSE	5.7	5.3	6.0	91.0	85.0	99.0	6.0
K18-RS6	6.7	5.0	6.3	96.0	83.3	94.3	5.7
K18-WB1	6.7	4.0	5.3	99.0	81.7	88.0	6.0
PPG-TF 312	7.0	3.7	5.3	99.0	83.0	91.0	5.7
RAD-TF105	6.0	4.3	5.3	99.0	81.7	94.3	5.7
RHF	6.7	3.0	6.0	99.0	73.3	93.0	5.7
RHL2	6.0	4.0	6.0	94.7	83.3	86.0	6.0
SE5STAR	6.0	5.3	5.3	97.7	78.3	99.0	5.3
TEACHER (PPG-TF 313)	6.3	5.7	6.3	99.0	75.0	94.3	5.7
COPIOUS TF	5.7	4.7	5.0	99.0	74.7	74.7	6.0
PALOMAR	5.7	4.7	5.3	99.0	96.0	99.0	5.7
5LSS	6.3	3.7	5.3	99.0	99.0	76.7	5.7
BARNOBLE (BAR 9FE MAS)	6.0	5.0	5.7	99.0	86.3	86.0	6.3
RAD-TF131	4.7	4.3	5.3	92.7	76.7	94.3	5.3
RAD-TF115 (TURBO SS)	3.7	3.3	5.3	76.3	70.0	89.7	5.3
KENTUCKY-31	4.0	4.0	4.3	99.0	93.0	79.7	4.0
LSD VALUE	0.9	2.1	1.6	6.9	21.1	54.3	0.7
C.V. (%)	8.2	20.2	10.9	3.1	10.8	11.7	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 19.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN FOR COLD TOLERANCE AT GUELPH ON 1/  
2023 DATA

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

NAME	GENETIC			LEAF		QUALITY RATINGS					
	COLOR	SPRING GREENUP	TEXTURE	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
PST-5DZM	6.0	3.7	7.3	5.3	6.7	7.7	7.0	7.7	7.3	6.7	6.9
PST-5MINK	6.7	5.0	6.0	6.0	5.7	7.3	7.3	7.0	6.7	6.7	6.7
SERENADE (PPG-TF 320)	6.3	4.7	7.0	4.3	5.3	7.3	7.0	7.3	7.7	6.3	6.5
BAR-FA8230	6.7	5.0	5.0	6.0	6.3	6.7	6.3	6.3	6.0	7.0	6.4
ESCALADE	6.3	4.0	6.3	5.3	5.7	7.0	6.3	7.0	6.7	7.0	6.4
MOONDANCE GLX	6.0	4.7	6.0	5.0	5.7	6.7	6.7	7.3	6.7	6.7	6.4
NATURALLY GREEN	6.7	4.7	6.7	5.0	6.7	6.3	6.7	7.3	6.7	6.3	6.4
BAR FA 8228	7.0	5.3	6.0	5.7	6.3	7.3	6.3	6.3	6.3	5.7	6.3
LIFEGUARD	6.3	5.7	6.7	5.0	6.0	6.7	6.7	7.0	6.7	6.0	6.3
RACEWAY (DLFPS-321/3696)	6.7	4.0	7.0	4.3	5.7	7.0	6.3	7.0	7.3	6.3	6.3
EXTRAVAGANZA (PST-5MCMO)	6.3	3.7	6.0	5.0	6.0	6.7	6.7	6.7	6.3	6.0	6.2
FAYETTE	6.3	5.3	6.3	5.3	5.7	6.7	6.3	6.7	6.7	6.0	6.2
JT 517	6.3	4.0	6.7	4.3	5.7	6.7	6.7	7.0	6.7	6.7	6.2
OG-WALK	6.0	3.3	5.7	5.3	6.0	7.0	6.7	6.7	5.3	6.3	6.2
PALOMAR	6.7	4.7	5.3	5.7	6.0	6.3	6.3	6.3	6.3	6.3	6.2
PPG-TF 318	6.7	5.0	7.0	4.3	5.7	7.0	6.3	6.7	7.0	6.7	6.2
SETFM3	7.0	3.7	7.0	4.3	6.3	6.0	6.3	7.7	7.0	6.0	6.2
ATF1768	6.3	4.0	6.3	4.0	5.7	6.3	7.0	6.7	6.7	6.3	6.1
BIRMINGHAM	6.3	2.7	6.7	4.7	6.0	6.7	6.3	6.3	6.3	6.3	6.1
BRAVO 2	6.3	3.0	5.7	4.0	5.7	6.7	6.3	7.0	6.7	6.3	6.1
MONUMENT (PST-5SQB)	5.7	3.0	6.0	3.7	5.3	6.3	6.7	7.0	6.7	7.0	6.1
NAI-ST5	6.0	3.7	6.7	4.3	5.0	6.0	6.3	7.0	7.0	7.0	6.1
PST-5THM	6.3	4.3	5.7	5.0	6.0	6.0	6.7	6.7	6.0	6.3	6.1
TANGO	6.3	3.7	6.0	4.0	5.7	6.3	6.3	6.7	6.7	7.0	6.1
TITAN GLX (TF445)	6.3	3.0	6.7	4.0	5.7	6.3	6.7	7.3	6.7	6.0	6.1
TOUGH (NAI-TUE)	6.3	3.7	7.0	4.3	5.3	6.3	6.7	7.0	7.0	6.3	6.1
ATF2116	6.7	4.3	6.0	4.0	6.0	6.3	6.0	6.7	6.3	6.3	6.0
BARNOBLE (BAR 9FE MAS)	6.7	5.3	6.3	5.0	5.7	6.3	6.7	6.3	6.3	6.0	6.0
BENTLEY (DLFPS-321/3679)	6.7	4.0	7.0	4.3	5.7	7.0	6.0	6.3	7.0	5.7	6.0
BULLSEYE	7.0	4.3	6.7	4.7	5.3	7.0	7.0	6.3	6.7	5.3	6.0
GLX ACED (PST-5DART)	6.3	3.0	7.0	4.0	5.0	6.0	6.0	7.0	7.0	6.7	6.0
GLX REVIVE (PST-5GLBS)	6.0	4.0	6.7	4.0	5.7	6.3	6.7	7.0	6.7	6.0	6.0
KENTUCKY-31	4.0	7.3	4.3	7.0	5.7	6.0	6.0	5.0	6.0	6.3	6.0
ORIOLE (PST-5BYOB)	6.0	4.0	5.7	5.0	6.0	6.0	6.0	6.3	6.3	6.0	6.0
PPG-TF 249	6.3	4.7	7.0	4.7	5.7	6.0	6.3	6.7	6.7	6.0	6.0
PST-5DC24	6.3	4.0	5.7	5.0	5.7	6.0	5.7	7.3	6.7	6.0	6.0
TITAN MAX (TF456)	6.3	3.3	7.3	4.0	5.0	6.3	6.0	6.7	7.0	7.0	6.0
GRO-PRO (SE53D2)	6.3	3.0	6.0	3.3	6.0	6.3	6.0	6.7	6.7	6.0	5.9
KIZZLE (K18-ROE)	6.7	3.3	6.3	2.7	5.3	6.3	6.0	7.0	6.7	7.0	5.9
NAI-FQZ-17	6.0	3.3	6.7	4.0	4.7	5.7	6.3	7.0	6.7	6.7	5.9
PST-5GQ	6.3	2.7	6.0	3.7	5.0	6.3	6.3	6.7	6.3	6.7	5.9
RDC	6.0	3.0	7.0	3.3	5.0	6.3	5.7	7.3	7.0	6.3	5.9
ROVER (PPG-TF 306)	6.3	3.7	7.7	3.7	4.7	6.0	6.3	6.7	7.3	6.7	5.9
GRAND PRIX (FC15-01P)	6.0	4.3	5.7	4.7	6.0	5.3	6.3	6.3	6.0	5.7	5.8
LAFAYETTE (GO-AOMK)	6.3	4.3	6.3	4.0	5.3	5.7	6.0	7.0	6.7	6.0	5.8



TABLE 19.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN FOR COLD TOLERANCE AT GUELPH ON 1/  
2023 DATA

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

NAME	QUALITY RATINGS										
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
NT-3	6.3	3.0	7.0	2.3	4.7	6.0	6.7	7.0	7.0	7.0	5.8
PRO GOLD	5.7	2.7	6.0	4.0	5.0	6.0	5.7	6.7	6.7	6.3	5.8
PST-5TRN	6.7	2.7	6.7	3.7	5.3	6.0	6.3	6.3	6.3	6.3	5.8
STEALTH (PPG-TF 238)	6.0	4.0	7.0	3.3	4.0	5.7	6.3	7.0	7.0	7.0	5.8
TITANIUM G-LS (PPG-TF 255)	6.7	3.7	7.3	4.0	4.7	5.0	6.0	7.3	7.3	6.0	5.8
A-TF31	6.7	5.7	7.0	3.3	5.0	5.7	6.0	7.0	7.0	6.0	5.7
AST8218LM	7.0	2.7	5.3	4.3	5.3	5.7	6.3	5.7	6.0	6.3	5.7
BANDIT	6.3	4.0	6.3	4.0	5.0	5.3	5.3	6.7	6.3	7.0	5.7
COL-TF-148	6.3	4.3	6.3	3.7	4.0	5.7	6.3	7.0	6.7	6.7	5.7
DYNAMITE G-LS (PPG-TF 254)	6.0	3.3	7.3	3.3	4.3	5.3	6.0	7.0	7.3	6.7	5.7
RAD-TF105	6.7	3.3	7.0	3.3	4.7	5.3	6.3	7.0	7.0	6.3	5.7
SETFM2	6.7	4.3	5.3	4.7	6.0	6.0	5.7	6.0	5.3	6.3	5.7
3B2	7.0	3.7	6.7	3.3	4.7	4.7	6.0	7.0	7.0	6.7	5.6
PPG-TF 231	6.7	4.3	7.0	3.7	4.3	5.3	6.3	6.3	7.3	6.0	5.6
ROWDIER (DLFPS-321/3699)	6.3	3.3	7.0	3.3	4.3	5.7	5.7	7.0	7.0	6.0	5.6
SE5STAR	6.0	3.3	6.3	3.3	5.0	6.3	6.0	6.3	6.7	5.3	5.6
TANK (PPG-TF 338)	6.7	3.3	7.3	3.3	4.7	5.0	5.7	6.7	7.3	6.3	5.6
BLADERUNNER 3 (DLFPS-321/3701)	6.7	4.0	7.3	3.7	4.7	5.3	5.7	6.3	7.0	5.7	5.5
EXPANSE (PPG-TF 262)	6.3	3.7	7.0	3.0	3.7	5.3	6.3	7.0	7.3	6.0	5.5
JT 233	6.3	3.7	6.0	3.0	4.3	5.0	5.7	7.0	6.7	6.7	5.5
SPYDER 2LS (ZRC1)	6.3	3.3	7.3	3.0	3.3	5.7	6.3	7.0	7.3	5.7	5.5
XANADU (JT 268)	6.3	4.0	7.0	2.3	4.0	5.3	5.3	7.3	7.0	7.0	5.5
COPIOUS TF	6.3	3.0	6.0	3.0	4.3	5.3	5.3	7.0	6.7	6.0	5.4
ENDGAME (3N1)	6.0	3.3	6.7	3.0	5.0	4.7	5.0	6.3	7.0	7.0	5.4
ESTRENA	6.0	4.0	7.0	3.7	4.0	4.7	5.0	7.0	7.0	6.3	5.4
FALCON SUPREME (RH1)	6.0	2.7	6.7	2.0	4.3	5.0	5.7	7.0	7.0	7.0	5.4
HELLCAT GLR (PST-5E6)	6.0	2.3	5.7	3.7	4.7	5.0	6.3	6.3	6.3	5.7	5.4
PADRE 2	6.3	3.0	6.3	2.7	4.7	5.3	5.3	6.7	6.3	6.7	5.4
PROVIDENCE (GO-RH20)	7.0	5.0	7.0	4.0	4.0	5.0	5.3	6.0	7.3	6.3	5.4
RAPTOR III	6.0	2.7	6.0	3.0	4.0	5.0	5.7	7.0	6.7	6.3	5.4
RHL2	6.3	3.3	7.0	2.7	4.0	5.0	5.0	7.0	7.0	7.3	5.4
SR 8700 (TMT1)	6.0	4.0	6.3	3.3	5.3	5.3	5.0	6.7	6.7	5.7	5.4
VALSETZ (PPG-TF 257)	6.0	2.3	6.3	2.3	4.3	5.7	5.3	6.3	6.7	7.0	5.4
AST8118LM	6.3	3.3	5.7	3.7	4.7	5.3	5.0	6.3	6.3	5.7	5.3
AVENGER III (PPG-TF 308)	6.3	4.7	6.7	4.0	3.7	5.0	5.7	6.3	6.7	5.7	5.3
DLFPS-321/3708	6.0	3.0	7.0	2.7	4.7	5.7	5.3	6.7	7.0	5.3	5.3
ESSENTIAL 2 (DLFPS-TF/3552)	6.0	3.3	6.3	4.0	4.7	4.7	4.7	6.0	6.7	6.7	5.3
FIREHAWK SLT	6.0	2.7	7.0	2.7	4.0	5.0	5.7	6.7	7.0	6.3	5.3
OKEEFE (LTP-TF-122)	6.3	3.3	6.7	3.0	3.7	4.7	5.3	7.3	6.7	6.3	5.3
SOUTHSIDE (PPG-TF 267)	6.0	4.0	7.0	3.0	3.3	4.7	5.3	6.7	7.3	6.7	5.3
BONFIRE (JS DTT)	6.3	2.7	6.3	3.7	4.3	4.7	4.7	6.3	6.7	6.3	5.2
CLASH (AH1)	6.3	4.0	6.7	3.3	5.0	4.3	4.7	5.7	7.0	6.3	5.2
DRAGSTER	6.0	4.0	7.7	3.0	4.0	5.0	5.7	6.3	7.0	5.7	5.2
FASTLANE (BY-TF-169)	6.0	3.7	7.0	2.7	3.7	5.3	5.3	6.7	7.0	6.0	5.2
GALLARDO (DLFPS-TF/3550)	6.0	2.7	6.3	2.3	3.7	5.0	5.3	7.0	6.3	6.7	5.2

TABLE 19.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN FOR COLD TOLERANCE AT GUELPH ON 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS							MEAN
				MAY	JUN	JUL	AUG	SEP	OCT	NOV	
K18-RS6	6.0	4.0	6.7	3.0	3.3	5.0	5.7	6.7	7.0	6.0	5.2
SYMPHONY (PPG-TF 305)	6.3	3.7	7.0	3.0	4.7	5.0	5.0	6.3	6.3	6.0	5.2
TALLADEGA II (NAI-3N2)	6.0	5.0	6.7	3.3	4.0	4.7	5.7	6.7	6.7	5.7	5.2
TOPSHELF (BGR-TF3)	6.7	3.3	6.7	3.3	4.7	4.7	5.0	6.7	6.7	5.7	5.2
DAYBREAK (AH2)	6.0	4.7	7.0	3.0	3.3	4.3	4.7	6.7	7.3	6.7	5.1
FINELAWN SUPREME (RH3)	6.0	3.0	6.7	2.3	4.0	4.7	5.3	6.3	6.7	6.3	5.1
GALACTIC (SESCR1)	6.3	3.0	7.0	2.7	4.0	4.7	4.7	6.7	7.0	6.3	5.1
HEMI	6.3	2.0	6.0	2.3	4.3	6.0	5.3	5.7	6.3	5.7	5.1
PPG-TF 337	6.3	3.0	6.3	3.3	3.7	5.3	5.7	6.0	6.0	5.7	5.1
ZION (BAR TF 134)	6.0	3.7	6.7	3.0	4.0	5.0	4.7	6.0	6.7	6.3	5.1
BULLSEYE LTZ	6.3	3.3	6.7	2.0	3.0	4.3	5.3	7.0	6.7	6.7	5.0
DEGAS (LTP-TF-111)	6.3	4.0	5.7	3.0	4.0	5.0	5.7	6.0	5.7	6.0	5.0
DLFPS-321/3706	6.0	4.3	6.3	3.7	3.7	4.3	4.7	5.7	6.3	6.7	5.0
DLFPS-TF/3553	6.0	2.3	6.7	2.3	3.3	4.0	5.0	6.7	7.0	6.3	5.0
FIRENZA II (PPG-TF 244)	6.3	3.3	6.3	2.7	3.3	4.7	5.3	5.7	6.7	6.3	5.0
LBF	7.0	2.3	5.7	4.0	4.7	5.0	5.0	5.3	5.7	5.3	5.0
PARAMOUNT	6.0	3.3	7.0	3.0	4.0	4.0	4.3	6.3	7.0	6.7	5.0
TD2	6.0	2.3	7.3	3.3	4.3	4.3	5.7	6.0	6.7	5.0	5.0
TEACHER (PPG-TF 313)	6.0	2.7	7.3	2.3	3.0	3.7	4.7	7.0	7.3	6.7	5.0
TRIAD (PPG-TF 323)	6.3	4.0	6.3	2.7	3.7	4.7	4.7	6.7	6.0	7.0	5.0
CAPITAN (DLFPS-321/3705)	6.3	3.0	6.3	3.0	3.7	4.3	4.7	6.0	6.3	6.3	4.9
DLFPS-321/3694	6.0	2.3	7.0	2.3	3.3	3.7	4.3	7.0	7.0	6.7	4.9
FAIRFIELD (SETF104)	6.3	3.0	5.7	2.7	3.7	4.3	4.7	6.0	6.3	6.3	4.9
FIRECRACKER G-LS (PPG-TF 315)	6.3	3.7	6.3	2.3	3.3	4.3	5.3	6.0	7.0	6.0	4.9
HOUNDOG NINE (DLFPS-321/3702)	6.0	4.3	7.0	3.3	4.3	4.0	4.3	5.7	7.0	5.7	4.9
PPG-TF 316	6.0	2.3	7.3	3.0	3.3	3.3	4.7	6.0	7.3	6.3	4.9
RAPTOR LS (PPG-TF 336)	6.0	3.3	6.7	2.7	4.3	4.3	4.3	5.3	6.7	6.3	4.9
DLFPS-321/3703	6.7	4.0	6.3	3.0	4.0	3.7	5.3	5.7	6.0	6.0	4.8
RC4	6.0	3.0	6.7	2.3	3.3	4.3	5.3	6.3	5.7	6.3	4.8
RHF	6.0	4.0	6.3	2.7	3.7	4.7	4.3	6.3	6.3	5.7	4.8
RS1	6.3	2.7	6.3	1.7	3.0	4.3	4.3	6.7	7.0	6.7	4.8
BATTLE HAWK (NAI-ROS4)	6.0	3.0	7.0	2.0	3.0	3.3	4.7	6.0	7.3	6.3	4.7
DLFPS-321/3693	6.0	2.3	6.7	2.0	3.3	3.7	4.3	7.0	6.7	5.7	4.7
GRANDE 3	6.3	2.7	5.3	3.0	3.7	4.3	4.3	6.0	5.7	5.7	4.7
DLFPS-321/3695	6.0	2.0	7.0	2.0	2.7	4.0	3.7	6.7	7.0	6.0	4.6
DLFPS-321/3707	6.0	2.3	6.7	2.3	3.0	4.0	4.7	6.3	7.0	5.0	4.6
K18-WB1	6.0	4.3	6.3	3.0	3.3	3.0	4.0	5.3	7.0	5.7	4.5
5LSS	6.0	3.7	7.7	2.3	2.7	3.3	3.0	7.0	6.7	4.7	4.2
PPG-TF 312	6.3	3.0	6.3	2.3	2.7	3.0	3.3	5.7	6.3	5.7	4.1
K18-NSE	6.0	3.3	7.0	1.7	2.0	3.0	3.3	5.7	6.0	6.7	4.0
RAD-TF131	6.7	1.7	6.3	1.7	2.7	2.7	4.3	5.0	5.7	6.0	4.0
RAD-TF115 (TURBO SS)	6.3	3.0	5.3	1.3	2.7	3.0	3.0	5.7	5.3	4.7	3.7
LSD VALUE	0.9	2.9	1.2	1.6	1.3	1.8	2.1	2.7	1.8	3.1	0.9
C.V. (%)	6.9	33.6	10.1	27.3	18.2	19.6	19.1	12.7	10.0	13.3	10.1

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 19.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN FOR COLD TOLERANCE AT GUELPH ON 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER			PINK	COLOR
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SNOW MOLD	NOVEMBER
PST-5DZM	6.7	7.3	7.7	97.7	99	99	2.7	6.7
PST-5MINK	5.7	7.3	6.3	97.7	99	99	3.7	7.0
SERENADE (PPG-TF 320)	6.0	7.0	7.7	85.0	99	99	5.3	7.3
BAR-FA8230	5.7	6.0	6.0	99.0	99	99	2.3	7.0
ESCALADE	4.3	6.7	6.7	97.7	99	99	1.7	7.0
MOONDANCE GLX	4.7	6.7	6.7	96.3	99	99	2.0	7.7
NATURALLY GREEN	4.7	6.7	7.0	96.3	99	99	1.7	7.0
BAR FA 8228	5.7	6.0	6.3	99.0	99	99	2.3	7.3
LIFEGUARD	5.7	7.0	7.0	96.3	99	99	4.0	7.0
RACEWAY (DLFPS-321/3696)	6.3	6.7	7.3	93.0	99	99	2.0	7.0
EXTRAVAGANZA (PST-5MCMO)	5.7	6.7	6.3	96.0	99	99	3.3	6.7
FAYETTE	5.7	6.0	7.0	96.3	99	99	2.3	7.3
JT 517	6.0	6.7	7.3	96.0	99	99	2.7	7.0
OG-WALK	4.7	6.0	6.3	99.0	99	99	3.0	7.7
PALOMAR	4.7	5.0	6.3	99.0	99	99	2.0	7.7
PPG-TF 318	7.0	7.0	7.7	95.0	99	99	5.0	6.7
SETFM3	5.7	7.0	7.7	92.7	99	99	3.0	7.0
ATF1768	5.7	6.7	6.7	96.3	99	99	5.0	7.0
BIRMINGHAM	5.3	6.3	7.0	97.7	99	99	3.3	7.0
BRAVO 2	4.3	6.7	6.3	96.3	99	99	2.0	7.0
MONUMENT (PST-5SQB)	4.3	6.3	7.0	95.0	99	99	2.0	7.0
NAI-ST5	6.0	6.3	7.7	91.7	99	99	4.0	7.3
PST-5THM	5.3	6.3	6.3	99.0	99	99	2.7	7.0
TANGO	5.0	6.0	6.7	93.3	99	99	1.7	7.0
TITAN GLX (TF445)	5.7	7.3	7.0	99.0	99	99	3.0	7.3
TOUGH (NAI-TUE)	5.7	6.3	7.0	94.3	99	99	3.7	7.0
ATF2116	4.7	5.7	6.3	96.3	99	99	3.0	7.0
BARNOBLE (BAR 9FE MAS)	5.3	6.7	6.0	99.0	99	99	3.7	6.7
BENTLEY (DLFPS-321/3679)	5.7	6.7	7.0	95.0	99	99	4.3	7.0
BULLSEYE	5.7	6.7	6.7	95.0	99	99	4.3	7.0
GLX ACED (PST-5DART)	4.3	6.7	7.0	91.7	99	99	3.0	7.0
GLX REVIVE (PST-5GLBS)	5.0	6.7	7.0	96.0	99	99	4.3	6.7
KENTUCKY-31	3.3	4.7	6.0	99.0	99	99	5.0	6.0
ORIOLE (PST-5BYOB)	4.7	5.3	6.3	97.7	99	99	2.3	7.0
PPG-TF 249	6.3	6.7	7.3	93.0	99	99	3.7	7.0
PST-5DC24	4.3	5.7	6.7	96.3	99	99	3.7	7.0
TITAN MAX (TF456)	6.0	6.3	7.3	89.7	99	99	5.3	7.0
GRO-PRO (SE53D2)	4.7	6.0	7.0	97.7	99	99	2.0	7.3
KIZZLE (K18-ROE)	5.3	6.3	7.0	86.3	99	99	3.7	7.0
NAI-FQZ-17	4.3	6.0	7.0	90.0	99	99	1.7	7.3
PST-5GQ	5.3	6.7	6.7	91.7	99	99	1.7	7.3
RDC	5.7	6.7	7.0	88.3	99	99	4.3	7.0
ROVER (PPG-TF 306)	6.0	6.7	8.0	86.7	99	99	3.3	7.0
GRAND PRIX (FC15-01P)	5.0	6.0	6.3	99.0	99	99	2.0	6.7
LAFAYETTE (GO-AOMK)	5.3	6.0	6.7	94.7	99	99	4.3	6.7

TABLE 19.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN FOR COLD TOLERANCE AT GUELPH ON 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER			PINK	COLOR
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SNOW MOLD	NOVEMBER
NT-3	6.0	7.0	7.0	91.7	99.0	99	2.7	7.0
PRO GOLD	5.0	6.0	6.7	94.7	99.0	99	1.7	6.7
PST-5TRN	5.7	6.7	6.7	96.3	99.0	99	3.3	7.0
STEALTH (PPG-TF 238)	6.7	7.3	8.0	81.7	99.0	99	5.3	7.0
TITANIUM G-LS (PPG-TF 255)	5.7	7.0	7.3	90.0	99.0	99	3.7	7.0
A-TF31	5.0	7.0	7.3	91.0	99.0	99	2.7	6.7
AST8218LM	4.7	5.3	6.3	94.7	99.0	99	2.0	7.0
BANDIT	5.3	5.7	7.0	93.3	99.0	99	3.7	7.0
COL-TF-148	6.3	7.0	7.0	76.7	99.0	99	4.7	7.0
DYNAMITE G-LS (PPG-TF 254)	6.3	7.3	7.7	81.7	97.7	99	3.3	7.0
RAD-TF105	6.0	7.0	7.0	76.7	99.0	99	2.3	7.3
SETFM2	5.3	5.7	5.7	99.0	99.0	99	2.7	7.0
3B2	5.7	6.7	7.0	76.7	99.0	99	4.3	7.3
PPG-TF 231	6.3	7.3	7.3	83.3	99.0	99	2.3	7.3
ROWDIER (DLFPS-321/3699)	5.7	6.3	7.0	91.7	97.7	99	2.0	6.7
SE5STAR	6.0	6.0	6.7	88.0	99.0	99	2.3	7.0
TANK (PPG-TF 338)	5.7	7.0	7.3	83.0	99.0	99	3.7	7.0
BLADERUNNER 3 (DLFPS-321/3701)	5.7	6.7	8.0	84.7	97.7	99	5.0	7.0
EXPANSE (PPG-TF 262)	6.7	7.3	7.3	85.0	99.0	99	4.3	7.7
JT 233	6.3	6.7	7.0	83.3	99.0	99	4.3	7.3
SPYDER 2LS (ZRC1)	5.3	7.0	7.3	83.3	99.0	99	4.3	7.0
XANADU (JT 268)	6.0	6.7	7.7	83.3	99.0	99	4.3	7.0
COPIOUS TF	5.3	6.3	6.7	85.0	99.0	99	2.3	7.0
ENDGAME (3N1)	5.0	6.7	7.0	91.3	99.0	99	4.3	7.3
ESTRENA	5.3	6.7	7.7	83.0	97.7	99	3.3	7.0
FALCON SUPREME (RH1)	5.0	6.3	7.0	78.3	99.0	99	3.7	7.3
HELLCAT GLR (PST-5E6)	4.7	6.0	6.3	93.0	99.0	99	2.0	7.0
PADRE 2	5.3	5.7	6.7	79.7	99.0	99	3.3	6.7
PROVIDENCE (GO-RH20)	6.3	6.7	7.3	81.7	99.0	99	6.3	7.0
RAPTOR III	5.7	6.7	6.7	76.3	99.0	99	2.0	7.3
RHL2	6.3	6.7	7.3	73.3	99.0	99	4.7	7.7
SR 8700 (TMT1)	6.3	6.3	7.0	88.3	99.0	99	3.7	7.0
VALSETZ (PPG-TF 257)	5.0	6.3	7.0	80.0	99.0	99	3.0	7.0
AST8118LM	5.0	6.3	6.3	94.3	99.0	99	3.0	7.0
AVENGER III (PPG-TF 308)	6.0	6.7	7.0	83.3	97.7	99	3.3	7.3
DLFPS-321/3708	6.0	6.7	7.0	90.0	99.0	99	3.7	6.7
ESSENTIAL 2 (DLFPS-TF/3552)	5.7	6.0	6.7	88.3	97.7	99	2.7	7.0
FIREHAWK SLT	5.3	7.0	7.0	80.0	99.0	99	4.0	7.0
OKEEFE (LTP-TF-122)	5.3	6.3	7.0	75.0	99.0	99	4.0	7.0
SOUTHSIDE (PPG-TF 267)	6.7	6.7	7.3	73.3	97.7	99	3.7	7.3
BONFIRE (JS DTT)	5.7	6.3	6.7	83.3	97.7	99	1.7	7.7
CLASH (AH1)	6.3	6.3	7.3	80.0	97.7	99	4.0	7.7
DRAGSTER	6.3	6.3	8.0	85.0	99.0	99	4.3	7.0
FASTLANE (BY-TF-169)	6.3	6.7	7.3	70.0	99.0	99	3.3	7.0
GALLARDO (DLFPS-TF/3550)	6.0	6.0	6.7	76.7	97.7	99	4.0	7.0

TABLE 19.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN FOR COLD TOLERANCE AT GUELPH ON 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER			PINK	COLOR
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SNOW MOLD	NOVEMBER
K18-RS6	5.3	6.7	7.3	78.3	99.0	99	5.3	7.0
SYMPHONY (PPG-TF 305)	5.7	6.0	7.3	88.0	99.0	99	5.0	7.0
TALLADEGA II (NAI-3N2)	6.0	7.0	7.0	78.3	99.0	99	4.0	6.7
TOPSHELF (BGR-TF3)	4.7	6.0	7.0	93.0	99.0	99	1.7	6.7
DAYBREAK (AH2)	6.7	6.7	7.3	73.3	97.7	99	5.0	7.0
FINELAWN SUPREME (RH3)	5.0	6.3	7.0	80.0	99.0	99	3.7	7.0
GALACTIC (SESCR1)	7.0	6.0	7.0	71.7	96.3	99	6.0	6.7
HEMI	5.7	6.7	6.7	81.7	99.0	99	3.3	6.7
PPG-TF 337	5.3	6.3	6.7	85.0	97.7	99	2.3	7.3
ZION (BAR TF 134)	6.7	6.0	7.0	83.3	97.7	99	4.0	7.0
BULLSEYE LTZ	5.7	6.3	7.3	73.3	99.0	99	3.0	7.3
DEGAS (LTP-TF-111)	5.3	6.0	6.3	83.3	99.0	99	3.7	7.0
DLFPS-321/3706	6.0	6.7	6.3	75.0	96.3	99	4.0	7.0
DLFPS-TF/3553	6.0	6.7	7.7	66.7	97.7	99	5.7	6.7
FIRENZA II (PPG-TF 244)	6.3	6.3	7.0	80.0	99.0	99	3.0	6.7
LBF	5.3	6.0	6.3	95.0	99.0	99	1.7	7.3
PARAMOUNT	5.7	6.3	7.0	78.3	99.0	99	3.0	7.0
TD2	5.7	6.3	7.3	80.0	97.7	99	3.3	6.3
TEACHER (PPG-TF 313)	6.0	7.0	8.0	78.0	97.7	99	4.3	6.3
TRIAD (PPG-TF 323)	6.0	6.7	6.7	78.3	97.7	99	3.7	7.0
CAPITAN (DLFPS-321/3705)	5.3	6.0	7.0	76.7	99.0	99	3.3	7.3
DLFPS-321/3694	6.0	6.3	7.0	70.0	97.7	99	3.0	6.7
FAIRFIELD (SETF104)	5.7	6.3	6.3	73.3	97.7	99	3.0	7.0
FIRECRACKER G-LS (PPG-TF 315)	5.0	6.7	7.3	75.0	97.7	99	4.3	7.0
HOUNDOG NINE (DLFPS-321/3702)	5.7	6.0	7.3	84.7	99.0	99	3.7	7.0
PPG-TF 316	6.3	6.3	7.3	78.3	99.0	99	4.3	7.0
RAPTOR LS (PPG-TF 336)	6.0	6.3	6.7	71.7	99.0	99	3.3	7.0
DLFPS-321/3703	6.0	6.3	6.7	78.3	99.0	99	3.3	7.0
RC4	4.0	6.7	7.0	80.0	99.0	99	2.3	6.7
RHF	6.3	6.0	6.7	71.7	99.0	99	3.3	7.0
RS1	6.0	6.0	7.0	61.7	96.0	99	2.7	7.3
BATTLE HAWK (NAI-ROS4)	6.3	6.7	7.0	60.0	99.0	99	4.3	6.7
DLFPS-321/3693	6.3	6.3	7.0	73.3	97.7	99	3.0	7.0
GRANDE 3	6.0	5.7	6.0	75.0	99.0	99	3.3	7.0
DLFPS-321/3695	5.3	6.0	7.0	66.7	99.0	99	3.3	7.3
DLFPS-321/3707	5.3	6.3	7.0	68.3	99.0	99	3.0	6.7
K18-WB1	5.3	5.3	7.0	75.0	93.0	99	4.7	7.0
5LSS	5.0	6.3	8.0	56.7	97.7	99	4.0	6.3
PPG-TF 312	5.7	6.3	6.3	51.7	90.0	99	4.0	6.3
K18-NSE	5.7	7.0	7.7	45.0	84.7	99	3.3	7.0
RAD-TF131	5.0	6.0	6.3	61.7	96.3	99	2.0	7.3
RAD-TF115 (TURBO SS)	4.3	5.3	6.3	56.7	96.0	99	1.7	6.0
LSD VALUE	3.6	1.5	1.3	15.7	3.4	0	4.2	1.8
C.V. (%)	18.7	10.2	8.8	11.4	1.9	0	45.5	6.9

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

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

TABLE 20.

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT CORVALLIS, OR 1/  
2023 DATA

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

NAME	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
DLFPS-321/3707	6.0	6.0	6.3	6.7	6.7	6.3	6.7	7.0	7.0	7.0	6.6
CLASH (AH1)	6.7	6.7	6.3	6.3	6.7	6.7	6.7	6.7	6.3	6.3	6.5
DLFPS-321/3708	5.3	5.7	6.7	6.7	6.7	6.3	7.0	6.7	7.0	6.7	6.5
BONFIRE (JS DTT)	5.3	5.7	5.7	6.3	6.3	7.0	7.3	7.0	6.7	6.3	6.4
COL-TF-148	6.0	6.0	6.0	6.3	6.3	6.3	7.0	6.7	7.0	6.7	6.4
FAIRFIELD (SETF104)	5.7	5.7	6.0	6.3	6.3	6.7	7.0	6.7	6.7	6.7	6.4
TITANIUM G-LS (PPG-TF 255)	6.3	6.3	6.3	6.3	6.0	6.7	6.7	6.3	6.7	6.7	6.4
GALACTIC (SESCR1)	6.0	6.0	6.3	6.7	6.3	6.7	6.7	6.7	6.0	6.0	6.3
OKEEFE (LTP-TF-122)	5.7	6.0	6.0	5.7	5.7	6.3	7.0	7.0	7.0	6.7	6.3
STEALTH (PPG-TF 238)	5.7	5.7	6.0	6.3	6.3	6.3	6.7	6.7	6.7	6.7	6.3
TEACHER (PPG-TF 313)	5.7	5.7	5.7	6.3	6.3	6.7	6.7	7.0	6.3	6.3	6.3
EXPANSE (PPG-TF 262)	5.7	5.7	5.7	6.3	6.7	6.3	6.7	6.3	6.3	6.3	6.2
FINELAWN SUPREME (RH3)	5.3	5.3	6.0	6.3	6.7	6.3	6.7	6.7	6.3	6.0	6.2
K18-NSE	5.7	5.7	5.7	6.3	6.3	6.0	6.7	6.7	6.3	6.3	6.2
K18-WB1	6.0	6.0	6.0	6.0	5.7	6.0	6.7	7.0	6.7	6.3	6.2
RS1	5.3	5.3	5.3	6.3	6.0	6.7	6.7	7.0	7.0	6.7	6.2
SOUTHSIDE (PPG-TF 267)	5.0	5.7	6.0	6.7	6.3	6.3	6.3	6.7	6.7	6.7	6.2
5LSS	5.7	5.7	5.7	6.0	5.3	6.3	6.7	7.0	6.7	6.3	6.1
DLFPS-321/3706	5.3	5.3	5.3	6.0	6.0	6.0	7.0	7.0	6.7	6.7	6.1
DLFPS-TF/3553	6.0	6.0	6.0	6.3	6.0	6.0	5.7	6.0	6.3	6.3	6.1
FALCON SUPREME (RH1)	5.7	5.7	5.7	6.3	6.7	6.0	6.3	6.3	6.0	6.3	6.1
FIRECRACKER G-LS (PPG-TF 315)	5.7	5.7	6.0	6.3	5.7	5.7	6.3	6.7	6.7	6.3	6.1
FIRENZA II (PPG-TF 244)	5.7	5.7	5.7	6.0	6.0	6.3	6.7	6.3	6.3	6.3	6.1
KIZZLE (K18-ROE)	5.7	5.7	5.7	6.3	6.3	6.3	6.3	6.0	6.3	6.3	6.1
RDC	6.0	5.7	5.7	6.0	6.3	6.0	6.7	6.7	5.7	6.0	6.1
RHL2	5.7	5.7	6.0	6.3	6.3	6.7	6.7	6.3	5.7	6.0	6.1
SPYDER 2LS (ZRC1)	6.0	6.0	5.7	5.7	5.7	6.3	6.7	6.3	6.3	6.3	6.1
SR 8700 (TMT1)	5.7	5.7	6.3	6.3	6.0	6.0	6.3	6.3	6.0	6.0	6.1
TRIAD (PPG-TF 323)	5.7	5.7	6.0	6.7	6.7	5.7	6.0	6.3	6.0	6.0	6.1
AVENGER III (PPG-TF 308)	5.7	6.0	6.0	6.0	6.0	5.3	6.0	6.3	6.3	6.0	6.0
BLADERUNNER 3 (DLFPS-321/3701)	6.0	6.0	6.0	6.0	5.7	5.7	6.3	6.3	6.0	6.0	6.0
DAYBREAK (AH2)	5.7	5.7	6.0	6.0	6.7	5.7	6.0	6.0	6.0	6.0	6.0
DLFPS-321/3693	5.3	5.3	6.0	6.3	6.3	6.3	6.7	6.0	6.0	6.0	6.0
DLFPS-321/3694	5.3	5.0	5.0	6.0	5.7	6.3	7.0	7.0	6.3	6.0	6.0
DRAGSTER	6.0	6.0	5.7	5.7	5.7	6.3	6.0	6.3	6.0	6.0	6.0
HEMI	5.7	5.7	5.7	6.0	6.0	6.0	6.3	6.7	6.3	6.0	6.0
PPG-TF 316	5.3	5.3	6.0	6.0	5.7	6.3	6.7	6.7	5.7	6.0	6.0
PROVIDENCE (GO-RH20)	6.3	6.3	6.0	6.3	5.7	5.7	5.7	6.0	6.0	6.0	6.0
RAPTOR LS (PPG-TF 336)	5.7	5.7	5.3	5.7	5.7	6.3	7.0	7.0	6.0	6.0	6.0
RHF	5.7	6.0	6.0	6.3	6.3	5.7	6.3	6.3	5.7	5.7	6.0
ROVER (PPG-TF 306)	5.3	5.7	6.0	6.3	6.3	6.3	6.3	6.0	5.7	5.7	6.0
TANK (PPG-TF 338)	5.3	5.3	6.0	6.3	6.0	6.7	6.7	6.0	6.0	6.0	6.0
XANADU (JT 268)	5.3	5.3	6.0	6.3	6.3	5.7	6.0	6.3	6.3	6.3	6.0
DLFPS-321/3695	5.7	5.7	5.7	5.7	5.7	5.7	6.3	6.0	6.3	6.3	5.9
HOUND OG NINE (DLFPS-321/3702)	5.7	5.7	5.7	6.0	6.3	5.3	6.0	6.3	5.7	6.0	5.9

TABLE 20.  
(CONT'D)MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT CORVALLIS, OR 1/  
2023 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/										
	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
K18-RS6	5.3	5.3	5.3	6.0	6.3	6.0	6.3	6.3	6.0	6.0	5.9
RACEWAY (DLFPS-321/3696)	5.0	5.3	6.3	6.0	5.7	6.0	6.0	6.0	6.3	6.3	5.9
SERENADE (PPG-TF 320)	5.3	5.3	5.7	6.3	6.3	6.0	6.3	6.3	5.7	5.7	5.9
SYMPHONY (PPG-TF 305)	5.7	5.7	6.0	6.0	6.0	6.0	6.0	6.3	5.7	6.0	5.9
TD2	5.3	5.3	5.7	5.7	5.7	6.7	6.3	6.3	6.0	6.0	5.9
BATTLE HAWK (NAI-ROS4)	5.0	5.0	5.7	5.7	5.7	6.3	6.3	6.3	6.0	6.0	5.8
DEGAS (LTP-TF-111)	5.3	5.7	5.7	5.3	5.3	6.0	6.3	6.3	6.0	6.0	5.8
FASTLANE (BY-TF-169)	5.0	5.0	5.3	6.0	6.3	5.7	6.3	6.3	6.0	6.0	5.8
HELLCAT GLR (PST-5E6)	6.0	6.0	5.7	5.7	5.7	6.0	6.0	6.0	5.3	5.3	5.8
NAI-ST5	5.3	5.3	6.0	5.7	5.7	6.0	6.0	6.0	6.0	6.0	5.8
PPG-TF 231	5.7	5.3	5.3	6.0	6.3	5.7	5.7	6.0	6.0	6.0	5.8
RAPTOR III	5.3	5.3	5.7	6.0	6.0	5.7	6.3	6.0	6.0	6.0	5.8
RC4	5.0	5.7	6.0	6.0	6.0	5.7	5.7	6.0	6.0	6.0	5.8
TALLADEGA II (NAI-3N2)	6.0	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7	5.7	5.8
VALSETZ (PPG-TF 257)	5.3	5.3	5.7	5.7	5.7	6.0	6.3	6.3	6.0	6.0	5.8
BULLSEYE LTZ	5.3	5.3	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7	5.7
DYNAMITE G-LS (PPG-TF 254)	5.0	5.0	5.0	5.3	5.7	6.0	6.0	6.3	6.3	6.0	5.7
ENDGAME (3N1)	6.0	6.0	6.0	6.0	5.7	5.0	5.3	5.7	5.7	5.7	5.7
GALLARDO (DLFPS-TF/3550)	5.7	5.7	5.7	6.0	5.7	5.3	5.7	5.7	5.7	5.7	5.7
GLX ACED (PST-5DART)	5.0	5.0	5.0	6.0	6.3	6.0	6.0	6.0	6.0	5.7	5.7
PPG-TF 318	5.3	5.3	5.7	5.7	5.3	6.0	6.3	6.3	5.7	5.7	5.7
PPG-TF 337	5.0	5.0	5.3	5.7	5.7	6.0	6.7	6.3	6.0	5.7	5.7
TITAN GLX (TF445)	5.3	5.0	5.3	5.7	6.0	6.3	6.3	6.0	5.7	5.7	5.7
ESTRENA	5.3	5.3	5.3	6.0	5.7	5.0	5.3	6.0	5.7	6.0	5.6
GLX REVIVE (PST-5GLBS)	5.3	5.3	5.3	6.0	6.0	5.7	6.0	6.0	5.3	5.3	5.6
LIFEGUARD	5.3	5.3	5.0	5.7	6.0	5.7	5.7	5.7	6.0	5.7	5.6
NT-3	5.3	5.7	5.3	5.7	5.7	5.7	5.7	6.0	5.7	5.7	5.6
PARAMOUNT	5.3	5.3	5.7	5.7	6.3	5.3	6.0	6.0	5.0	5.0	5.6
PPG-TF 312	6.0	5.7	5.3	5.7	5.7	5.3	5.7	5.7	5.3	5.3	5.6
DLFPS-321/3703	5.0	5.0	5.7	5.7	5.7	5.3	5.3	5.7	5.7	5.7	5.5
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	5.3	5.3	5.7	5.7	5.7	5.3	5.3	5.7	5.7	5.5
EXTRAVAGANZA (PST-5MCMO)	5.0	5.0	5.0	5.3	5.7	5.7	6.0	6.3	5.7	5.3	5.5
PPG-TF 249	5.3	5.0	5.3	5.7	5.3	5.7	5.7	5.7	5.7	5.7	5.5
PST-5GQ	5.0	5.0	5.3	5.7	5.7	6.0	6.0	6.0	5.0	5.0	5.5
RAD-TF115 (TURBO SS)	5.0	5.0	5.0	5.7	5.7	5.7	6.0	6.0	5.3	5.3	5.5
ZION (BAR TF 134)	5.3	5.0	5.3	5.7	5.7	5.3	5.7	6.0	5.7	5.7	5.5
3B2	5.0	5.0	5.0	5.7	5.7	5.7	5.7	5.7	5.3	5.3	5.4
A-TF31	5.0	5.0	5.3	5.3	5.3	5.7	5.7	5.7	5.3	5.3	5.4
GRANDE 3	5.0	4.7	5.0	5.0	5.3	6.0	6.0	6.0	5.0	5.7	5.4
PADRE 2	5.7	5.3	5.3	5.3	5.7	5.0	5.3	5.3	5.3	5.3	5.4
PST-5TRN	5.0	5.0	5.0	5.3	5.0	6.3	6.3	5.7	5.3	5.0	5.4
ROWDIER (DLFPS-321/3699)	5.0	5.0	5.3	5.7	5.7	5.7	5.7	5.7	5.0	5.3	5.4
SETFM3	4.7	5.0	5.3	5.7	5.7	5.7	5.7	5.3	5.3	5.3	5.4
TITAN MAX (TF456)	4.7	4.7	5.3	5.7	5.7	5.7	5.7	5.7	5.3	5.3	5.4
BENTLEY (DLFPS-321/3679)	5.0	5.0	5.0	5.7	5.7	5.3	5.3	5.3	5.0	5.3	5.3

TABLE 20.  
(CONT'D)

MEAN TURFGRASS QUALITY RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT CORVALLIS, OR 1/  
2023 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=BEST 2/										MEAN
	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
CAPITAN (DLFPS-321/3705)	5.0	5.0	5.0	5.3	5.7	5.3	5.7	5.7	5.3	5.3	5.3
JT 233	5.0	5.0	5.3	5.0	5.3	5.3	5.7	5.7	5.3	5.3	5.3
PST-5DZM	4.7	4.7	5.0	5.7	5.7	5.3	5.7	5.7	5.3	5.3	5.3
TANGO	5.0	5.0	5.0	5.3	5.7	5.7	5.7	5.3	5.0	5.0	5.3
ATF1768	4.7	4.7	4.7	5.0	5.3	5.3	5.7	5.7	5.7	5.7	5.2
GRO-PRO (SE53D2)	4.7	4.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.0	5.2
JT 517	4.7	4.7	5.3	5.7	5.7	5.3	5.3	5.3	5.0	5.3	5.2
LAFAYETTE (GO-AOMK)	5.3	5.3	5.3	5.7	5.7	5.0	5.3	5.3	4.7	4.7	5.2
NAI-FQZ-17	5.0	5.0	5.3	5.3	5.3	5.7	5.7	5.0	4.7	4.7	5.2
PST-5DC24	5.3	5.0	5.3	5.3	5.3	5.3	5.0	5.3	5.0	4.7	5.2
RAD-TF131	5.0	5.0	5.0	5.3	5.3	5.3	5.3	5.3	5.0	5.0	5.2
ATF2116	4.3	4.3	5.7	5.7	5.3	5.7	5.3	5.3	4.7	5.0	5.1
BIRMINGHAM	5.0	5.0	5.3	5.3	5.0	5.0	5.0	5.0	5.0	5.0	5.1
BULLSEYE	5.3	5.3	5.0	5.0	5.0	5.3	5.7	5.3	4.7	4.7	5.1
FIREHAWK SLT	5.3	5.3	5.0	5.3	5.3	4.7	5.0	5.3	5.0	5.0	5.1
GRAND PRIX (FC15-01P)	5.0	4.7	5.0	5.3	5.3	5.3	5.3	5.3	5.0	5.0	5.1
SE5STAR	5.0	5.0	5.3	5.3	5.3	5.3	5.3	5.3	4.7	4.7	5.1
SETFM2	4.0	4.7	5.3	5.3	5.3	5.3	5.3	5.7	5.0	5.0	5.1
TOPSHELF (BGR-TF3)	4.7	5.0	5.3	5.3	5.3	5.0	5.0	5.0	5.0	5.0	5.1
TOUGH (NAI-TUE)	4.7	5.0	5.0	5.3	5.7	5.3	5.7	5.3	4.7	4.7	5.1
BARNOBLE (BAR 9FE MAS)	5.0	4.7	4.7	5.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
BRAVO 2	4.7	4.7	5.0	5.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
FAYETTE	5.7	5.0	5.0	5.0	5.0	5.0	4.7	4.7	5.3	5.0	5.0
ORIOLE (PST-5BYOB)	5.0	5.0	5.0	5.3	5.7	5.3	5.0	5.0	4.3	4.3	5.0
PRO GOLD	4.7	4.3	4.7	5.3	5.7	5.3	5.3	5.3	5.0	4.7	5.0
PST-5THM	4.3	4.3	4.3	5.0	5.0	5.3	5.7	5.7	5.0	5.3	5.0
BAR-FA8230	4.7	4.3	4.3	5.3	5.3	5.0	5.0	5.0	5.0	5.0	4.9
COPIOUS TF	5.3	5.0	5.0	5.0	5.0	4.7	5.0	5.0	4.7	4.7	4.9
NATURALLY GREEN	5.0	5.0	5.0	5.0	5.3	4.7	4.7	5.0	4.7	5.0	4.9
OG-WALK	4.7	4.7	5.0	5.7	5.3	5.0	5.0	4.7	4.3	4.3	4.9
RAD-TF105	4.7	4.7	5.0	4.7	5.0	4.7	5.0	5.0	5.3	5.0	4.9
AST8218LM	4.3	4.3	4.3	5.0	5.3	5.3	5.0	5.0	4.7	4.7	4.8
BANDIT	5.0	5.0	5.0	4.7	5.3	4.7	4.7	4.3	4.7	4.7	4.8
ESCALADE	4.3	4.3	4.7	4.7	5.0	5.3	5.3	5.3	4.7	4.7	4.8
MOONDANCE GLX	4.7	4.7	5.0	5.0	5.3	4.7	4.7	5.0	4.7	4.3	4.8
LBF	4.3	4.3	4.7	5.0	5.0	5.0	5.0	4.7	4.7	4.7	4.7
PST-5MINK	4.3	4.3	5.0	5.0	5.0	4.7	4.7	5.0	4.7	4.7	4.7
AST8118LM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.3	4.3	4.6
BAR FA 8228	5.0	4.0	4.0	4.0	4.3	5.0	5.0	4.7	4.3	4.3	4.5
PALOMAR	4.3	4.3	4.3	5.0	4.7	4.7	4.7	4.7	4.0	4.3	4.5
MONUMENT (PST-5SQB)	5.0	4.3	4.3	4.7	4.7	4.3	4.7	4.3	4.0	4.0	4.4
KENTUCKY-31	2.0	2.0	2.0	2.3	3.0	3.0	2.3	3.0	3.0	3.0	2.6
LSD VALUE	1.0	1.0	1.0	1.1	1.5	1.3	1.3	1.1	1.2	1.0	0.7
C.V. (%)	10.5	10.8	10.4	10.9	12.5	12.2	12.9	11.2	12.6	11.1	7.8

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

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



TABLE 21.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS												MEAN
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DLFPS-321/3708	5.0	8.0	6.7	6.0	6.7	6.0	6.7	7.0	7.3	6.3	7.3	7.3	8.0	8.0	8.0	7.1
VALSETZ (PPG-TF 257)	5.7	8.3	6.0	7.0	6.0	7.0	7.0	7.0	7.0	6.3	7.3	7.3	7.0	8.0	8.0	7.1
LAFAYETTE (GO-AOMK)	5.0	8.0	7.0	6.7	6.7	6.7	6.7	7.0	7.3	6.0	7.7	7.3	7.0	7.0	7.7	7.0
ORIOLE (PST-5BYOB)	5.0	8.0	6.7	7.0	7.0	6.3	7.0	6.7	7.3	7.0	6.7	6.7	7.3	7.3	7.7	7.0
TANK (PPG-TF 338)	5.3	8.7	6.7	6.0	6.7	6.7	6.3	6.7	7.3	6.7	7.0	7.0	8.0	7.3	8.0	7.0
ATF1768	5.0	8.3	7.0	5.7	6.7	6.7	6.7	6.3	7.3	6.7	7.3	7.3	7.3	7.7	7.7	6.9
DRAGSTER	5.3	8.3	6.7	6.0	6.3	6.0	6.7	7.0	7.0	6.3	7.7	7.3	7.3	7.3	7.7	6.9
EXTRAVAGANZA (PST-5MCMO)	5.3	8.0	6.7	6.3	6.7	6.3	6.3	7.0	7.7	6.3	6.7	6.3	7.7	7.0	8.0	6.9
FASTLANE (BY-TF-169)	5.0	8.0	7.0	6.0	6.7	6.7	7.0	7.0	7.3	6.7	6.7	7.0	7.0	7.0	7.7	6.9
JT 517	5.7	8.0	6.3	7.0	6.7	6.3	6.3	6.7	7.3	6.3	7.3	7.3	6.7	7.3	8.0	6.9
PRO GOLD	5.3	9.0	7.7	6.7	6.7	6.3	6.7	6.7	6.3	7.3	7.0	7.7	7.0	7.3	7.3	6.9
RACEWAY (DLFPS-321/3696)	5.7	8.3	7.3	6.7	6.7	6.3	6.0	6.3	7.3	6.7	7.0	7.0	6.7	8.0	8.0	6.9
RAD-TF105	5.0	8.3	7.0	6.3	6.7	5.7	6.3	6.7	7.3	6.7	7.0	7.7	7.3	7.3	7.3	6.9
ROVER (PPG-TF 306)	5.0	8.3	7.3	6.0	6.7	6.3	6.7	6.7	7.3	6.3	7.0	7.3	7.0	7.0	8.0	6.9
TALLADEGA II (NAI-3N2)	5.0	8.3	6.7	5.7	7.0	6.7	6.7	6.7	7.0	6.7	7.7	6.7	7.0	7.7	7.7	6.9
3B2	5.3	8.0	7.0	6.7	6.0	6.0	6.7	6.3	6.3	6.3	7.0	7.0	7.3	7.3	8.0	6.8
AST8218LM	5.0	8.0	6.3	6.0	6.7	6.3	6.7	6.7	6.3	6.7	7.0	7.0	7.3	7.3	7.0	6.8
BATTLE HAWK (NAI-ROS4)	5.0	8.0	6.3	6.0	7.0	5.7	6.3	6.7	7.3	5.7	7.7	7.3	7.3	7.3	7.7	6.8
DLFPS-321/3703	5.7	8.3	7.3	6.3	6.3	6.0	6.3	6.3	7.3	7.0	7.0	7.3	6.7	7.3	7.7	6.8
DYNAMITE G-LS (PPG-TF 254)	5.7	8.0	7.0	5.7	5.7	6.0	6.3	6.3	7.0	6.7	7.7	8.0	6.3	7.7	8.0	6.8
ENDGAME (3N1)	5.0	8.0	7.3	6.3	6.7	6.3	6.3	6.7	7.0	6.3	7.3	6.7	7.7	7.0	7.3	6.8
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	8.7	7.3	6.0	6.3	7.0	6.3	6.3	6.7	6.7	6.3	7.3	7.3	7.7	7.7	6.8
EXPANSE (PPG-TF 262)	6.0	8.0	6.7	5.7	6.0	6.0	6.7	6.7	7.3	7.0	7.0	6.7	7.3	7.7	7.7	6.8
FALCON SUPREME (RH1)	5.3	9.0	7.0	6.7	5.7	6.0	6.7	6.3	7.3	6.3	6.7	7.3	7.3	7.7	8.0	6.8
FIREHAWK SLT	5.3	8.0	7.3	6.7	6.0	5.7	6.3	6.7	7.3	6.0	7.3	7.3	7.0	7.3	8.0	6.8
K18-NSE	5.7	8.3	6.3	6.3	6.7	6.0	7.0	6.7	7.0	5.7	6.7	7.7	6.3	7.3	7.7	6.8
K18-RS6	5.3	8.3	6.7	5.3	5.7	6.3	6.7	6.7	6.7	7.0	7.0	7.7	7.3	7.3	8.0	6.8
LIFEGUARD	5.3	8.3	7.3	7.0	6.7	6.3	6.7	6.7	6.7	6.3	7.7	7.0	6.7	7.0	7.3	6.8
NAI-ST5	5.0	8.3	6.7	6.0	5.7	6.0	6.3	6.3	7.0	6.0	7.7	7.3	7.7	7.7	7.7	6.8
NT-3	5.3	8.3	6.7	6.7	5.7	6.3	6.3	6.3	6.7	6.7	6.7	7.0	7.7	7.7	7.7	6.8
PST-5THM	5.3	9.0	7.3	6.3	7.0	6.7	6.7	6.3	7.7	5.7	6.3	6.3	7.3	7.3	7.7	6.8
RAD-TF131	5.3	7.7	7.0	6.3	5.7	6.0	6.3	6.3	6.7	6.3	7.7	7.3	7.0	7.7	7.7	6.8
RAPTOR III	5.7	8.0	6.3	6.3	5.3	5.3	6.0	7.0	7.0	6.3	7.3	7.7	7.7	8.0	7.7	6.8
ROWDIER (DLFPS-321/3699)	5.0	8.0	6.7	6.7	6.7	6.7	6.7	7.0	7.3	5.7	6.3	6.3	7.0	7.7	7.7	6.8
SETFM2	5.3	8.0	6.3	6.7	6.7	6.3	6.7	6.7	6.3	6.0	7.0	7.3	6.7	7.3	7.3	6.8
SETFM3	6.0	8.3	6.0	6.7	7.0	6.3	6.3	6.3	6.3	6.3	7.0	7.3	7.3	7.3	7.7	6.8
SR 8700 (TMT1)	5.3	8.3	8.3	5.3	6.0	6.3	6.3	7.0	6.7	6.3	7.3	7.0	7.0	7.7	8.0	6.8
TEACHER (PPG-TF 313)	5.3	8.3	6.3	6.0	6.0	6.0	6.7	6.7	7.0	6.0	6.7	7.3	8.0	7.7	8.0	6.8
TRIAD (PPG-TF 323)	5.3	8.3	7.7	6.3	6.0	6.3	6.7	6.7	6.3	6.3	6.7	7.3	8.0	7.0	7.7	6.8
AST8118LM	5.3	8.0	7.3	6.0	5.7	6.7	6.7	6.7	6.3	5.7	7.0	6.7	7.0	7.7	8.0	6.7
CLASH (AH1)	5.0	8.3	6.7	5.7	6.0	6.0	6.3	6.7	7.0	6.7	7.0	7.3	6.7	7.3	7.3	6.7
COL-TF-148	5.0	8.3	7.3	5.7	6.3	5.7	6.7	7.0	7.0	6.3	6.3	7.0	6.7	7.7	7.7	6.7
COPIOUS TF	5.7	7.7	7.3	6.0	6.0	5.7	6.0	6.0	7.0	6.7	7.0	7.0	7.0	7.7	8.0	6.7
DLFPS-321/3706	5.3	8.7	5.7	6.3	6.3	7.0	6.3	6.7	6.3	6.0	6.7	7.0	7.3	7.0	7.3	6.7
FAYETTE	5.0	8.0	6.0	6.7	6.3	6.0	6.3	6.7	6.7	5.7	6.3	6.7	7.7	8.0	7.7	6.7

TABLE 21.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS												MEAN
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
GALACTIC (SESCR1)	5.0	8.3	7.3	5.3	5.7	6.7	6.7	7.0	6.7	5.7	7.0	7.0	7.3	7.3	7.7	6.7
HELLCAT GLR (PST-5E6)	5.0	7.7	7.0	6.0	6.3	6.3	6.3	6.7	6.7	6.7	7.0	6.3	7.0	7.3	7.7	6.7
K18-WB1	5.0	8.0	6.7	5.7	5.7	6.0	6.3	6.3	7.3	6.3	7.3	7.0	6.7	7.7	8.0	6.7
LBF	5.3	8.0	7.0	6.7	5.3	6.3	6.3	6.7	7.0	5.7	6.7	6.7	7.3	7.7	7.7	6.7
NATURALLY GREEN	5.3	8.0	6.0	6.0	5.3	6.0	6.3	7.0	7.0	6.7	7.0	7.0	7.0	7.7	7.7	6.7
PADRE 2	5.3	7.7	6.3	6.0	6.0	5.7	6.3	6.3	6.7	6.7	7.3	7.0	7.7	7.0	7.7	6.7
PPG-TF 312	5.0	7.7	7.0	6.0	6.0	5.7	6.0	6.0	7.3	6.7	6.3	7.3	7.3	7.7	7.7	6.7
PPG-TF 337	5.0	8.0	7.0	5.7	6.0	5.7	6.0	6.3	7.3	6.3	7.3	7.3	7.0	7.7	8.0	6.7
PROVIDENCE (GO-RH20)	5.3	8.3	7.0	6.0	6.3	6.0	6.3	6.7	6.7	6.0	7.3	7.3	7.0	7.3	7.7	6.7
PST-5DC24	5.3	8.0	7.3	6.0	6.3	6.0	6.7	6.3	6.3	6.3	6.3	7.3	7.0	7.7	7.7	6.7
PST-5DZM	5.0	8.3	7.0	6.0	6.0	6.7	6.7	6.7	7.0	6.0	7.0	7.3	6.3	7.0	7.3	6.7
RDC	5.0	7.7	6.3	6.3	5.3	6.0	6.3	6.3	7.0	6.0	7.3	7.3	7.7	7.3	7.3	6.7
TD2	6.0	8.3	6.7	5.3	6.0	6.0	6.7	7.0	7.3	6.7	6.7	7.0	6.7	7.3	7.3	6.7
TITANIUM G-LS (PPG-TF 255)	5.7	8.0	7.3	6.0	5.7	6.0	6.7	6.3	7.7	5.7	7.0	7.7	6.7	7.0	7.7	6.7
5LSS	5.3	8.7	6.3	6.3	6.7	6.7	6.3	6.3	6.7	5.7	6.7	5.7	7.3	7.3	7.3	6.6
A-TF31	5.0	8.3	6.0	6.0	6.0	6.0	6.7	6.7	6.7	5.3	7.0	7.0	7.0	7.3	7.7	6.6
ATF2116	5.0	8.3	6.7	6.7	6.3	6.0	6.3	6.7	6.3	5.7	6.0	6.7	7.0	7.0	8.0	6.6
AVENGER III (PPG-TF 308)	5.3	7.7	6.3	6.3	6.0	5.7	6.0	6.7	6.7	6.0	7.3	7.0	7.3	7.0	7.7	6.6
BARNOBLE (BAR 9FE MAS)	5.0	7.7	7.3	6.0	6.0	6.0	6.0	6.7	6.3	6.7	7.0	6.7	7.3	7.3	7.3	6.6
BENTLEY (DLFPS-321/3679)	5.3	8.0	7.3	6.7	6.0	5.7	6.3	6.3	7.0	6.3	6.3	6.7	6.7	7.7	7.7	6.6
BRAVO 2	5.0	8.0	6.7	6.0	5.3	6.0	6.3	6.7	6.3	6.3	7.3	7.0	6.7	8.0	7.7	6.6
BULLSEYE LTZ	5.0	8.0	6.0	5.7	5.3	5.3	6.0	6.7	7.3	6.3	7.3	7.3	6.7	7.7	8.0	6.6
DAYBREAK (AH2)	5.0	8.0	6.7	6.0	5.7	5.3	6.0	6.3	7.3	5.7	7.3	7.0	7.7	7.3	8.0	6.6
DLFPS-321/3693	5.0	8.7	7.0	5.3	5.3	6.7	7.0	7.0	7.0	6.3	6.7	6.7	6.0	7.3	7.7	6.6
DLFPS-TF/3553	5.0	8.3	7.7	6.3	6.0	6.0	6.3	6.7	6.3	7.0	7.0	7.0	7.0	6.7	7.3	6.6
FINELAWN SUPREME (RH3)	5.3	8.0	6.7	6.0	6.3	5.7	5.7	6.3	6.7	6.7	7.0	6.7	7.7	7.3	7.7	6.6
GLX ACED (PST-5DART)	5.3	8.0	7.0	6.7	6.3	7.0	7.0	6.7	6.0	6.0	6.3	6.0	7.3	7.0	7.3	6.6
GLX REVIVE (PST-5GLBS)	5.3	8.0	7.3	6.0	6.0	6.3	6.7	6.7	6.3	6.3	7.0	6.3	7.0	7.0	7.3	6.6
GRAND PRIX (FC15-01P)	5.0	8.0	6.0	6.0	6.0	6.3	6.3	6.0	7.0	6.3	6.3	7.0	7.0	7.3	7.3	6.6
GRANDE 3	5.3	8.3	6.0	6.0	6.7	6.7	6.3	6.3	7.0	6.3	6.7	6.0	7.0	7.3	7.3	6.6
GRO-PRO (SE53D2)	5.3	8.0	7.3	6.3	6.3	6.0	6.0	6.7	6.3	6.3	6.7	6.7	7.3	7.3	7.0	6.6
HEMI	5.0	8.0	6.7	6.0	5.7	5.7	6.3	6.7	6.3	6.3	7.0	7.7	7.3	7.0	7.7	6.6
HOUNDOG NINE (DLFPS-321/3702)	5.3	8.0	7.0	6.0	5.7	6.3	6.7	6.7	7.0	6.0	7.0	6.7	7.0	6.7	7.0	6.6
JT 233	5.3	8.0	7.0	6.0	6.3	6.0	6.0	5.7	7.0	6.3	6.7	7.3	7.0	7.0	7.7	6.6
KENTUCKY-31	5.3	8.3	5.0	6.3	6.0	6.3	6.3	6.3	7.0	6.0	7.0	6.3	7.7	7.3	7.0	6.6
MONUMENT (PST-5SQB)	5.3	8.0	7.3	6.7	5.7	5.7	6.3	6.3	7.0	6.3	6.3	7.0	7.0	7.3	7.0	6.6
OKEEFE (LTP-TF-122)	5.7	8.0	7.0	6.3	6.7	5.7	6.0	6.0	7.7	6.7	6.3	6.3	7.3	7.3	7.0	6.6
PPG-TF 231	5.0	8.0	6.3	6.3	6.0	6.0	6.0	6.0	7.3	6.0	7.0	6.7	7.0	7.7	7.7	6.6
PPG-TF 249	5.7	8.3	6.3	5.7	6.0	6.0	6.3	6.7	6.3	6.3	7.0	7.3	7.3	7.3	7.3	6.6
PST-5MINK	5.0	8.3	7.0	6.3	6.3	5.7	6.3	6.0	7.3	6.3	7.0	7.0	7.0	7.0	7.3	6.6
RAD-TF115 (TURBO SS)	5.0	8.0	7.3	5.7	5.7	6.0	6.3	6.3	6.7	6.3	7.3	7.0	7.3	7.0	7.3	6.6
RAPTOR LS (PPG-TF 336)	5.3	8.3	7.0	5.3	6.7	5.7	6.3	6.0	7.0	5.7	7.0	7.3	7.3	7.3	8.0	6.6
RC4	5.7	8.3	6.3	6.3	6.0	6.3	6.7	6.3	6.0	5.7	6.7	7.0	7.0	7.3	7.7	6.6
RHL2	5.0	8.0	6.3	5.7	5.7	6.3	6.3	6.7	6.3	6.0	7.0	7.3	6.7	7.0	8.0	6.6
RS1	5.0	8.7	6.0	6.0	6.0	6.7	6.7	6.7	6.3	6.0	6.3	6.3	7.3	7.3	7.7	6.6

TABLE 21.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS												MEAN
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
TANGO	5.7	8.0	6.7	6.3	6.0	5.3	6.0	6.7	6.0	6.3	7.0	7.0	7.3	7.0	7.7	6.6
TOPSHELF (BGR-TF3)	5.3	8.0	7.0	7.0	6.0	6.0	6.0	6.7	6.7	6.3	6.3	6.7	7.0	7.3	7.7	6.6
ZION (BAR TF 134)	5.3	8.3	6.7	5.3	6.0	5.7	6.0	6.3	6.7	6.3	6.3	7.3	7.7	7.7	8.0	6.6
BAR FA 8228	5.3	8.0	6.7	5.7	6.3	6.0	6.3	6.3	6.3	5.3	6.7	6.3	7.3	7.7	8.0	6.5
BONFIRE (JS DTT)	5.3	8.0	6.3	6.0	6.0	6.0	6.3	6.7	6.7	6.3	6.7	6.0	6.7	7.3	7.7	6.5
BULLSEYE	5.3	8.3	7.3	5.7	5.7	5.3	6.0	6.3	6.7	6.0	7.3	7.0	7.0	7.3	7.7	6.5
CAPITAN (DLFPS-321/3705)	5.0	8.0	6.7	6.0	6.0	5.3	5.7	6.0	7.0	6.7	6.7	6.7	7.3	7.3	7.7	6.5
DLFPS-321/3707	5.0	8.3	6.7	6.3	6.0	6.0	6.3	6.7	6.7	6.0	6.7	7.0	5.7	7.0	7.3	6.5
FAIRFIELD (SETF104)	5.0	8.0	6.7	5.7	6.0	6.0	6.7	6.3	6.0	6.0	6.7	6.7	6.7	7.7	7.3	6.5
FIRENZA II (PPG-TF 244)	5.0	8.0	6.0	6.3	5.7	5.7	6.0	6.3	6.3	5.7	7.0	7.0	7.0	7.3	7.3	6.5
GALLARDO (DLFPS-TF/3550)	5.3	8.3	7.0	6.3	7.0	6.0	6.3	6.3	6.3	6.0	7.0	6.7	6.7	6.3	6.7	6.5
NAI-FQZ-17	5.0	8.0	7.0	6.0	6.7	5.7	6.0	5.7	7.0	5.7	7.0	6.7	7.0	7.3	7.3	6.5
PPG-TF 316	5.0	7.7	7.7	5.7	6.0	6.0	6.3	6.3	7.0	6.0	6.3	6.7	6.7	7.3	7.7	6.5
PST-5GQ	5.0	8.0	7.7	6.0	6.3	6.3	6.3	6.3	6.7	6.0	6.3	6.3	6.7	7.0	7.3	6.5
SOUTHSIDE (PPG-TF 267)	5.0	7.7	7.7	6.7	5.3	5.3	6.0	6.0	7.0	6.7	7.0	7.0	7.3	6.7	7.3	6.5
STEALTH (PPG-TF 238)	5.0	8.0	6.7	6.7	6.7	5.3	5.3	6.3	6.7	6.7	6.3	6.3	7.3	7.3	7.3	6.5
TITAN MAX (TF456)	5.3	8.0	6.3	6.0	6.0	5.7	6.7	6.7	6.0	6.3	6.3	7.0	7.0	7.0	7.7	6.5
BAR-FA8230	5.3	8.3	6.3	6.3	5.3	6.0	6.0	6.0	7.0	6.0	7.0	7.0	6.7	7.0	7.0	6.4
BIRMINGHAM	5.0	8.3	6.3	5.3	5.7	6.7	6.7	6.7	6.0	6.0	6.0	6.3	7.0	7.0	7.0	6.4
BLADERUNNER 3 (DLFPS-321/3701)	5.3	8.0	7.7	6.0	5.7	6.0	6.0	6.3	6.3	5.7	6.7	7.0	7.7	6.3	6.7	6.4
DEGAS (LTP-TF-111)	5.0	8.3	6.7	5.7	5.0	6.0	6.3	6.7	7.0	6.3	6.3	6.0	7.7	6.0	7.3	6.4
DLFPS-321/3694	5.0	8.0	6.3	6.0	6.3	5.3	5.7	6.0	7.0	6.0	7.0	6.7	6.3	7.3	7.3	6.4
DLFPS-321/3695	5.0	8.7	7.3	6.0	6.0	5.3	6.3	6.0	6.3	6.0	6.7	6.3	7.3	7.0	7.7	6.4
ESCALADE	5.7	8.0	6.0	5.7	5.7	5.7	6.3	7.0	6.0	6.3	6.7	6.3	7.7	6.7	7.3	6.4
FIRECRACKER G-LS (PPG-TF 315)	5.3	8.3	7.3	5.7	5.7	5.3	6.3	6.3	6.7	6.0	7.0	7.3	6.3	7.0	7.3	6.4
KIZZLE (K18-ROE)	5.0	8.0	6.3	6.0	4.7	6.3	6.7	6.3	7.0	5.7	6.3	6.0	7.3	7.0	7.0	6.4
PARAMOUNT	5.3	8.3	7.3	5.7	5.3	6.3	6.3	6.7	7.0	6.0	6.7	7.0	6.3	6.7	7.3	6.4
PPG-TF 318	5.0	8.0	6.7	6.0	5.7	5.3	6.0	6.0	6.7	5.7	7.3	6.7	7.7	7.0	7.0	6.4
PST-5TRN	5.0	8.0	6.3	6.3	6.0	5.7	5.7	6.0	5.7	6.3	6.3	6.7	7.7	7.3	7.3	6.4
RHF	5.3	8.0	8.3	6.3	6.0	6.0	6.3	5.7	7.0	5.7	6.7	6.3	7.0	7.0	7.0	6.4
SERENADE (PPG-TF 320)	5.0	8.0	6.3	6.0	5.7	5.7	6.7	6.3	6.3	5.3	7.0	6.3	7.0	7.0	7.7	6.4
SPYDER 2LS (ZRC1)	5.0	8.0	6.0	5.7	6.0	5.7	6.3	6.0	7.0	6.0	7.3	7.0	6.7	6.7	7.0	6.4
SYMPHONY (PPG-TF 305)	5.0	8.0	6.3	5.7	5.0	6.0	6.0	6.3	6.7	6.3	6.7	6.7	7.7	7.0	7.0	6.4
TOUGH (NAI-TUE)	5.3	7.7	6.7	6.3	6.0	5.7	6.0	5.7	7.0	6.3	6.0	6.0	7.0	7.3	7.3	6.4
BANDIT	5.0	8.0	6.7	6.3	5.3	6.0	6.3	6.0	6.7	5.0	6.3	6.3	7.7	6.3	7.3	6.3
ESTRENA	5.0	8.0	6.7	6.3	6.0	5.7	6.0	6.0	6.7	6.3	6.3	6.0	7.0	6.7	7.0	6.3
MOONDANCE GLX	5.0	8.0	7.0	5.7	5.7	5.0	6.0	6.0	6.3	5.7	6.7	6.7	7.0	7.7	7.7	6.3
OG-WALK	5.7	7.7	6.0	6.0	5.3	5.7	6.0	6.0	6.3	6.0	6.3	6.0	7.3	7.3	7.7	6.3
PALOMAR	5.3	8.3	6.7	5.0	5.3	6.0	6.0	6.0	6.0	5.7	6.3	6.7	7.3	7.3	7.7	6.3
TITAN GLX (TF445)	5.0	8.0	7.0	5.7	6.7	5.7	6.3	6.3	5.3	5.7	6.0	6.3	6.7	7.0	7.7	6.3
XANADU (JT 268)	5.0	8.3	7.3	6.0	5.7	6.0	6.3	6.0	6.3	5.3	5.7	6.3	7.0	7.0	7.3	6.3
SE5STAR	5.0	7.7	7.0	6.0	6.3	5.0	5.7	6.0	6.3	5.3	6.7	6.7	7.0	6.7	7.0	6.2
LSD VALUE	1.2	1.4	5.6	3.2	3.2	4.7	3.6	3.3	1.5	3.2	4.2	4.7	3.5	2.2	2.3	1.8
C.V. (%)	7.5	5.3	14.6	11.6	13.2	13.5	9.6	9.4	9.2	11.6	11.4	12.3	10.2	8.1	7.2	5.0

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

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

TABLE 21.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER		
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
DLFPS-321/3708	8.0	7.7	7.3	71.3	76.3	91.3
VALSETZ (PPG-TF 257)	6.7	6.3	6.7	78.3	81.0	90.0
LAFAYETTE (GO-AOMK)	7.7	6.0	6.7	76.0	72.0	87.0
ORIOLE (PST-5BYOB)	7.3	5.3	6.3	72.7	70.7	88.0
TANK (PPG-TF 338)	7.3	5.0	8.0	77.0	76.7	90.7
ATF1768	7.0	5.7	7.0	74.0	78.0	87.7
DRAGSTER	6.7	5.7	6.7	73.7	75.7	87.3
EXTRAVAGANZA (PST-5MCMO)	7.3	6.7	7.3	74.3	76.7	88.3
FASTLANE (BY-TF-169)	7.3	5.7	6.7	76.3	75.3	87.7
JT 517	7.7	6.3	6.3	74.3	83.0	84.0
PRO GOLD	6.3	5.0	6.0	79.0	75.7	86.3
RACEWAY (DLFPS-321/3696)	7.3	7.3	6.3	76.3	76.7	82.7
RAD-TF105	6.3	5.7	7.0	73.7	75.7	89.7
ROVER (PPG-TF 306)	7.7	5.7	6.7	73.0	71.3	87.7
TALLADEGA II (NAI-3N2)	7.0	6.3	6.0	76.0	69.3	87.7
3B2	6.0	4.3	6.0	73.0	80.3	89.3
AST8218LM	6.0	6.0	6.7	71.7	78.0	87.3
BATTLE HAWK (NAI-ROS4)	7.3	5.0	6.7	73.3	77.7	88.3
DLFPS-321/3703	7.0	6.0	5.7	71.7	78.3	83.0
DYNAMITE G-LS (PPG-TF 254)	7.3	6.0	5.7	73.0	82.0	68.7
ENDGAME (3N1)	7.3	6.7	6.7	74.0	73.7	88.7
ESSENTIAL 2 (DLFPS-TF/3552)	6.3	6.0	7.3	77.7	84.0	87.3
EXPANSE (PPG-TF 262)	7.7	6.0	6.7	70.0	84.3	88.3
FALCON SUPREME (RH1)	7.0	5.3	6.3	77.7	85.7	91.0
FIREHAWK SLT	6.7	6.0	6.0	72.3	81.3	85.3
K18-NSE	7.3	6.3	6.0	75.0	79.0	77.7
K18-RS6	6.7	7.0	7.0	73.7	77.3	90.7
LIFEGUARD	6.0	6.7	5.3	74.7	79.3	87.7
NAI-ST5	7.3	6.3	7.0	69.7	78.7	89.3
NT-3	6.3	6.3	7.7	74.3	76.7	89.3
PST-5THM	7.7	5.3	6.3	76.0	84.0	87.7
RAD-TF131	6.0	4.0	6.0	68.0	68.7	88.0
RAPTOR III	7.0	5.3	7.0	70.7	78.0	90.0
ROWDIER (DLFPS-321/3699)	7.7	7.0	6.0	76.0	77.3	87.3
SETFM2	6.3	6.0	6.0	69.7	77.3	85.0
SETFM3	5.0	6.7	6.3	72.0	79.7	90.3
SR 8700 (TMT1)	5.0	5.3	6.0	74.0	80.7	84.7
TEACHER (PPG-TF 313)	6.7	5.0	7.0	74.0	76.7	89.7
TRIAD (PPG-TF 323)	6.3	6.3	6.7	74.0	78.7	88.0
AST8118LM	6.0	6.3	7.0	71.7	82.7	88.3
CLASH (AH1)	6.0	6.7	6.0	72.0	74.0	79.7
COL-TF-148	6.7	6.7	6.0	75.0	79.3	83.3
COPIOUS TF	7.3	5.7	6.3	69.3	81.7	86.3
DLFPS-321/3706	6.0	6.7	6.7	78.0	77.3	87.3
FAYETTE	6.7	6.3	6.7	73.0	76.0	89.3

TABLE 21.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER		
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
GALACTIC (SESCR1)	6.7	5.7	7.0	75.7	76.3	91.3
HELLCAT GLR (PST-5E6)	6.3	4.3	7.0	70.0	73.7	86.7
K18-WB1	6.3	5.7	6.0	75.3	79.3	81.7
LBF	6.7	5.7	6.0	76.0	79.3	85.3
NATURALLY GREEN	5.7	5.7	6.0	73.7	80.0	88.0
PADRE 2	6.3	5.0	6.7	70.7	76.3	86.7
PPG-TF 312	7.0	5.3	6.3	72.3	73.7	87.7
PPG-TF 337	7.3	5.3	6.0	70.7	85.0	84.7
PROVIDENCE (GO-RH20)	7.0	5.7	7.0	70.3	78.0	91.0
PST-5DC24	6.3	7.0	6.0	72.3	75.3	84.0
PST-5DZM	7.0	5.7	5.3	72.0	78.0	70.7
RDC	7.0	5.3	7.0	72.3	83.7	90.7
TD2	6.7	7.3	6.3	74.7	82.7	75.7
TITANIUM G-LS (PPG-TF 255)	7.0	6.0	5.7	71.7	80.0	87.0
5LSS	5.7	6.3	6.7	78.3	82.0	87.7
A-TF31	6.7	7.0	6.7	71.0	76.3	85.7
ATF2116	6.7	7.0	7.0	72.0	82.7	88.3
AVENGER III (PPG-TF 308)	6.3	6.7	6.7	69.3	80.3	85.7
BARNOBLE (BAR 9FE MAS)	6.0	5.3	6.3	67.7	79.7	88.7
BENTLEY (DLFPS-321/3679)	6.7	5.7	5.7	70.7	81.0	70.7
BRAVO 2	5.7	6.7	6.3	71.0	82.7	70.3
BULLSEYE LTZ	7.0	6.3	6.3	71.7	80.7	83.3
DAYBREAK (AH2)	7.0	6.0	7.3	68.7	72.7	89.0
DLFPS-321/3693	6.3	6.0	5.3	78.0	83.0	81.3
DLFPS-TF/3553	6.0	7.0	6.3	70.7	79.0	88.7
FINELAWN SUPREME (RH3)	6.7	7.0	6.7	70.3	76.3	88.0
GLX ACED (PST-5DART)	5.3	5.7	6.3	77.7	79.3	87.7
GLX REVIVE (PST-5GLBS)	6.0	5.7	6.0	74.3	81.0	86.7
GRAND PRIX (FC15-01P)	7.3	5.3	6.3	73.7	75.3	86.7
GRANDE 3	7.0	6.3	6.7	75.7	79.3	86.3
GRO-PRO (SE53D2)	5.3	6.0	6.3	72.0	77.3	89.7
HEMI	6.3	7.0	6.3	69.3	73.0	87.7
HOUNDOG NINE (DLFPS-321/3702)	7.0	6.3	6.3	74.0	78.7	85.3
JT 233	7.0	5.7	6.7	68.0	77.3	88.3
KENTUCKY-31	6.3	6.0	6.7	75.0	84.0	89.0
MONUMENT (PST-5SQB)	6.0	6.3	6.3	68.3	78.0	87.7
OKEEFE (LTP-TF-122)	7.0	5.7	6.7	72.3	80.7	86.7
PPG-TF 231	8.0	6.3	7.0	73.0	77.3	90.3
PPG-TF 249	6.0	7.0	7.0	71.7	80.3	88.3
PST-5MINK	6.7	7.0	6.0	72.3	74.7	88.7
RAD-TF115 (TURBO SS)	6.7	6.3	6.7	70.3	82.3	90.7
RAPTOR LS (PPG-TF 336)	7.0	6.7	6.7	75.0	80.3	87.0
RC4	6.3	5.7	6.3	74.7	81.3	87.3
RHL2	5.7	6.0	5.3	71.3	71.3	86.7
RS1	5.3	6.3	6.7	75.0	75.0	87.7

TABLE 21.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT KNOXVILLE, TN 1/  
2023 DATA

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

NAME	DENSITY	DENSITY	DENSITY	PERCENT GROUND COVER		
	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL
TANGO	6.0	5.7	6.7	69.3	87.0	87.7
TOPSHELF (BGR-TF3)	6.3	6.0	6.7	70.7	79.7	86.0
ZION (BAR TF 134)	6.3	6.3	7.0	72.0	79.3	91.7
BAR FA 8228	6.0	4.3	6.0	73.3	77.0	83.3
BONFIRE (JS DTT)	6.3	6.0	5.7	72.3	81.7	76.7
BULLSEYE	6.0	6.3	6.0	69.7	72.0	84.7
CAPTAN (DLFPS-321/3705)	6.7	7.0	6.3	68.7	66.0	87.0
DLFPS-321/3707	6.3	6.3	5.0	72.0	75.7	59.0
FAIRFIELD (SETF104)	5.7	6.0	6.0	70.3	78.3	84.7
FIRENZA II (PPG-TF 244)	5.7	5.7	6.7	67.7	81.0	87.0
GALLARDO (DLFPS-TF/3550)	6.0	6.3	6.0	70.3	77.7	88.0
NAI-FQZ-17	7.0	6.7	6.0	71.7	76.3	86.3
PPG-TF 316	6.7	6.7	6.0	72.3	71.3	84.7
PST-5GQ	5.7	7.0	5.7	69.3	81.0	85.3
SOUTHSIDE(PPG-TF 267)	6.3	5.0	6.7	65.7	73.0	82.7
STEALTH (PPG-TF 238)	6.3	7.3	6.7	69.3	70.0	91.3
TITAN MAX (TF456)	5.7	5.3	6.3	68.3	78.7	90.3
BAR-FA8230	6.7	6.7	5.3	71.0	82.3	77.7
BIRMINGHAM	6.0	5.3	6.0	74.3	69.3	85.3
BLADERUNNER 3 (DLFPS-321/3701)	5.7	5.3	7.0	71.3	83.3	87.3
DEGAS (LTF-TF-111)	6.7	6.3	7.0	72.3	78.7	87.3
DLFPS-321/3694	6.3	6.7	5.7	72.7	85.7	68.7
DLFPS-321/3695	7.3	5.3	6.3	75.3	71.7	70.7
ESCALADE	5.7	7.0	6.7	70.0	81.3	90.7
FIRECRACKER G-LS (PPG-TF 315)	6.7	6.3	5.3	73.0	75.7	72.7
KIZZLE (K18-ROE)	6.7	6.7	6.7	73.3	77.3	89.0
PARAMOUNT	6.7	5.7	6.3	75.7	88.7	80.0
PPG-TF 318	6.7	5.7	7.7	69.0	74.7	89.7
PST-5TRN	5.3	6.0	6.7	70.7	69.3	88.3
RHF	6.0	6.0	6.7	69.7	77.0	87.7
SERENADE (PPG-TF 320)	6.0	7.3	6.7	70.0	79.7	87.7
SPYDER 2LS (ZRC1)	8.0	6.3	6.3	72.7	73.3	87.3
SYMPHONY (PPG-TF 305)	6.0	6.3	6.7	71.0	70.3	89.7
TOUGH (NAI-TUE)	6.3	6.0	6.3	69.0	66.7	88.0
BANDIT	5.7	5.3	7.0	70.3	73.7	85.3
ESTRENA	6.3	6.0	6.7	70.7	74.3	88.3
MOONDANCE GLX	5.7	5.3	6.0	68.7	77.0	88.7
OG-WALK	6.3	6.3	6.7	69.7	79.3	89.7
PALOMAR	6.0	7.0	7.0	69.7	75.3	90.3
TITAN GLX (TF445)	4.3	4.3	6.3	68.0	77.3	85.0
XANADU (JT 268)	6.3	6.7	6.3	71.7	81.3	88.3
SE5STAR	6.0	7.3	6.0	65.0	77.3	84.0
LSD VALUE	3.9	5.9	3.8	26.2	38.0	40.1
C.V. (%)	16.5	20.4	13.7	7.0	9.7	10.6

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 22.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT LOGAN, UT 1/  
2023 DATA

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

NAME	GENETIC	SPRING	LEAF	DENSITY	COLOR	UNIFORMITY	MAY	JUN	JUL	QUALITY RATINGS				MEAN
	COLOR	GREENUP	TEXTURE	SUMMER	NOVEMBER					AUG	SEP	OCT	NOV	
CLASH (AH1)	5.0	2.7	5.0	7.0	4.7	6.3	7.3	8.0	7.3	7.7	7.0	6.3	5.0	7.0
DLFPS-321/3695	5.3	3.0	5.0	7.3	5.0	6.7	7.0	8.0	7.0	8.0	7.0	6.3	5.3	7.0
EXPANSE (PPG-TF 262)	6.0	3.0	5.0	7.0	4.7	7.0	6.7	8.0	7.0	7.7	7.0	6.3	6.0	7.0
K18-NSE	4.7	3.0	5.7	7.0	5.3	6.7	7.3	8.0	7.3	8.0	7.0	6.3	4.7	7.0
PPG-TF 312	4.3	3.0	6.0	7.7	5.0	7.0	7.0	8.3	7.3	7.7	7.0	7.0	4.3	7.0
RHF	5.0	3.0	5.0	7.0	5.0	6.7	6.7	8.0	7.3	8.0	7.0	6.7	5.0	7.0
RHL2	5.3	2.0	5.3	7.3	5.0	7.0	6.0	8.0	7.0	8.3	7.3	6.7	5.3	7.0
SYMPHONY (PPG-TF 305)	5.7	2.3	5.0	7.0	5.0	6.0	6.7	8.0	7.0	8.0	7.0	6.3	5.7	7.0
TITANIUM G-LS (PPG-TF 255)	5.7	2.0	5.0	7.0	4.7	6.3	6.7	8.0	7.3	8.0	7.0	6.0	5.7	7.0
5LSS	4.3	3.0	6.0	7.0	5.3	6.7	6.3	8.0	8.0	8.0	7.0	6.3	4.3	6.9
BATTLE HAWK (NAI-ROS4)	5.0	2.7	5.0	7.0	5.0	6.3	6.7	8.0	7.0	8.0	7.3	6.0	5.0	6.9
DEGAS (LTP-TF-111)	5.0	3.0	5.0	7.0	5.0	6.7	7.0	8.0	7.0	8.0	7.0	6.0	5.0	6.9
DLFPS-321/3693	5.0	2.3	5.3	7.0	5.3	6.0	7.0	8.0	7.0	7.7	7.0	6.3	5.0	6.9
DLFPS-321/3706	5.0	2.7	5.7	7.0	4.7	7.0	7.0	8.3	7.0	8.0	7.0	6.0	5.0	6.9
DLFPS-321/3708	6.7	2.3	5.0	6.7	5.3	6.0	6.0	8.0	7.0	7.7	6.3	6.3	6.7	6.9
ESTRENA	4.3	3.3	5.0	7.0	4.7	6.0	7.7	8.0	7.3	7.7	7.0	6.3	4.3	6.9
FINELAWN SUPREME (RH3)	4.3	3.0	4.7	7.0	5.0	6.0	7.3	8.0	7.3	7.7	7.3	6.0	4.3	6.9
FIRECRACKER G-LS (PPG-TF 315)	5.7	2.7	5.0	7.0	5.0	6.7	6.7	7.7	7.0	7.7	7.0	6.3	5.7	6.9
JT 517	6.3	1.7	4.7	6.7	4.7	5.7	6.7	8.0	7.0	7.7	6.7	6.0	6.3	6.9
K18-WB1	5.3	2.3	5.3	7.0	5.0	6.3	6.7	8.0	7.0	7.7	7.0	6.3	5.3	6.9
PPG-TF 318	5.3	2.3	5.0	7.0	4.7	6.0	6.7	8.3	7.0	7.7	7.0	6.0	5.3	6.9
RAPTOR LS (PPG-TF 336)	5.0	2.0	5.3	7.0	5.0	6.7	7.0	8.0	7.0	8.0	7.0	6.3	5.0	6.9
ROWDIER (DLFPS-321/3699)	6.0	2.0	5.0	6.7	5.0	6.0	6.0	8.0	7.0	7.7	7.0	6.3	6.0	6.9
SPYDER 2LS (ZRC1)	5.3	2.3	4.7	7.0	5.0	6.3	6.7	7.7	7.0	8.0	7.3	6.0	5.3	6.9
TANK (PPG-TF 338)	5.7	2.3	5.0	6.7	5.0	6.3	6.7	8.0	7.0	7.7	7.0	6.0	5.7	6.9
TOUGH (NAI-TUE)	5.7	2.0	4.7	6.3	5.0	5.7	7.3	8.0	7.0	7.3	6.7	6.0	5.7	6.9
XANADU (JT 268)	5.7	2.0	5.0	7.0	5.0	6.3	6.3	8.0	7.0	8.0	7.3	6.0	5.7	6.9
AST8118LM	6.3	2.0	4.7	6.7	4.3	6.0	6.3	8.0	7.0	7.3	6.3	6.0	6.3	6.8
AST8218LM	7.0	2.7	4.0	5.7	4.7	5.3	6.7	8.0	7.0	7.0	6.3	5.7	7.0	6.8
AVENGER III (PPG-TF 308)	5.0	2.7	5.0	7.0	5.0	6.3	7.0	8.0	7.0	7.7	6.7	6.0	5.0	6.8
BLADERUNNER 3 (DLFPS-321/3701)	5.3	3.0	5.0	6.7	5.0	6.7	6.3	8.0	7.0	8.0	7.0	6.0	5.3	6.8
DAYBREAK (AH2)	5.0	2.0	5.0	7.0	5.0	6.7	6.7	8.0	7.0	7.7	7.0	6.0	5.0	6.8
DLFPS-321/3694	5.3	2.7	5.0	7.0	4.7	6.7	6.3	8.0	7.0	7.7	7.0	6.0	5.3	6.8
DLFPS-321/3707	5.3	2.7	5.0	7.3	5.0	6.3	6.0	7.7	7.3	7.7	7.0	6.3	5.3	6.8
DLFPS-TF/3553	5.0	2.7	5.0	7.0	5.0	6.7	6.7	8.0	7.0	7.7	7.3	6.0	5.0	6.8
FIREHAWK SLT	5.0	2.7	4.7	6.7	5.0	5.7	6.7	8.0	7.0	8.0	7.0	6.0	5.0	6.8
FIRENZA II (PPG-TF 244)	5.0	2.3	4.7	6.3	4.7	6.0	6.7	8.0	7.0	7.7	7.0	6.0	5.0	6.8
GALACTIC (SESCRL)	5.0	2.3	5.0	7.0	5.0	6.3	6.3	8.0	7.0	7.7	7.0	6.3	5.0	6.8
GALLARDO (DLFPS-TF/3550)	5.3	2.7	4.3	6.7	4.7	6.3	6.3	8.0	7.0	7.7	7.0	6.3	5.3	6.8
HOUNDOG NINE (DLFPS-321/3702)	5.3	2.7	5.0	7.0	5.0	6.3	7.0	8.0	7.0	7.7	6.7	6.0	5.3	6.8
NATURALLY GREEN	7.0	1.7	4.0	6.0	4.3	5.7	6.3	8.0	7.0	7.0	6.3	6.0	7.0	6.8
NT-3	5.0	2.3	5.0	7.0	5.0	6.3	6.3	8.0	7.0	8.0	7.0	6.3	5.0	6.8
PPG-TF 316	5.3	2.3	5.0	7.3	5.0	5.7	6.3	8.0	7.3	7.7	7.0	6.0	5.3	6.8
PPG-TF 337	5.0	2.7	5.3	7.0	5.0	6.0	6.0	8.0	7.0	8.0	7.3	6.3	5.0	6.8
PROVIDENCE (GO-RH20)	5.0	2.7	5.0	7.0	5.0	6.3	6.7	8.0	7.0	7.7	7.0	6.0	5.0	6.8

TABLE 22.  
(CONT'D)MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT LOGAN, UT 1/  
2023 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY SUMMER	COLOR NOVEMBER	UNIFORMITY	MAY	JUN	JUL	QUALITY RATINGS				MEAN
										AUG	SEP	OCT	NOV	
RAD-TF105	6.3	1.7	4.3	6.3	4.7	5.3	6.0	8.0	7	7.3	6.7	6.0	6.3	6.8
RAPTOR III	5.7	2.7	4.3	6.3	5.0	6.3	6.3	8.0	7	7.7	7.0	6.0	5.7	6.8
ROVER (PPG-TF 306)	5.3	2.7	5.0	7.0	5.0	6.3	6.3	8.0	7	8.0	7.0	6.0	5.3	6.8
SETFM2	6.7	2.0	4.3	6.0	4.7	5.3	6.3	8.0	7	7.0	6.7	6.0	6.7	6.8
TD2	5.3	1.7	5.0	7.0	5.0	6.3	6.3	8.0	7	7.7	7.0	6.0	5.3	6.8
TITAN GLX (TF445)	5.3	2.0	4.3	7.0	5.0	6.0	6.7	7.7	7	7.7	7.0	6.0	5.3	6.8
TITAN MAX (TF456)	5.3	2.7	4.7	6.7	5.0	6.0	7.0	7.7	7	7.7	6.7	6.0	5.3	6.8
TRIAD (PPG-TF 323)	5.0	2.3	5.0	7.0	5.0	6.7	6.7	8.0	7	8.0	7.0	6.0	5.0	6.8
ZION (BAR TF 134)	5.0	2.0	5.0	7.0	5.0	5.7	7.0	8.0	7	8.0	6.3	6.0	5.0	6.8
ATF2116	6.0	1.7	3.7	6.0	4.7	5.0	6.7	8.0	7	7.0	6.0	6.0	6.0	6.7
BANDIT	6.0	1.3	4.3	6.0	4.7	5.7	6.0	7.7	7	7.7	6.7	6.0	6.0	6.7
BIRMINGHAM	6.0	2.7	4.7	6.3	4.3	5.7	6.3	7.7	7	7.3	6.3	6.0	6.0	6.7
BONFIRE (JS DTT)	5.0	2.0	4.7	7.0	5.0	6.3	6.7	8.0	7	7.3	6.7	6.3	5.0	6.7
BULLSEYE	5.0	2.7	4.7	6.0	5.0	5.7	7.0	8.0	7	7.3	6.7	6.0	5.0	6.7
BULLSEYE LTZ	5.0	2.3	5.0	6.3	4.7	6.0	6.3	8.0	7	7.7	6.7	6.0	5.0	6.7
CAPITAN (DLFPS-321/3705)	5.0	2.7	4.0	7.0	5.3	6.3	6.0	8.0	7	8.0	6.7	6.0	5.0	6.7
COL-TF-148	5.0	3.0	5.3	7.0	4.7	6.3	6.3	8.0	7	7.7	7.0	6.0	5.0	6.7
COPIOUS TF	6.7	2.3	5.0	6.7	4.7	6.0	6.3	8.0	7	7.0	6.0	5.7	6.7	6.7
DYNAMITE G-LS (PPG-TF 254)	5.0	2.7	4.7	6.7	5.0	6.0	6.3	8.0	7	7.3	7.0	6.0	5.0	6.7
ENDGAME (3N1)	5.0	2.0	4.3	6.7	4.7	6.0	7.0	7.7	7	7.3	6.7	6.0	5.0	6.7
EXTRAVAGANZA (PST-5MCMO)	4.7	2.7	4.3	6.3	4.7	5.7	7.0	8.0	7	7.3	6.7	6.0	4.7	6.7
FALCON SUPREME (RH1)	5.3	2.7	4.7	6.7	5.0	6.0	6.3	8.0	7	7.7	6.7	6.0	5.3	6.7
FASTLANE (BY-TF-169)	5.0	3.0	4.7	7.0	5.3	6.0	7.0	8.0	7	7.3	6.3	6.3	5.0	6.7
HEMI	5.0	2.7	4.3	6.0	5.0	6.0	6.7	8.0	7	7.7	6.7	6.0	5.0	6.7
KIZZLE (K18-ROE)	5.0	1.7	4.3	6.3	5.0	5.7	6.3	8.0	7	7.7	6.7	6.0	5.0	6.7
LAFAYETTE (GO-AOMK)	7.0	1.7	4.3	6.0	4.3	5.3	5.3	8.0	7	7.3	6.0	6.0	7.0	6.7
NAI-ST5	5.3	2.0	5.0	7.0	5.0	5.7	6.3	8.0	7	7.3	7.0	6.0	5.3	6.7
OKEEFE (LTP-TF-122)	5.0	2.7	4.7	6.7	5.0	6.0	6.3	8.0	7	7.3	7.0	6.0	5.0	6.7
PST-5DC24	5.7	2.3	4.0	6.0	4.7	5.7	6.7	8.0	7	7.0	6.3	6.0	5.7	6.7
RACEWAY (DLFPS-321/3696)	5.7	2.3	4.3	7.0	4.7	5.7	6.0	8.0	7	7.7	6.7	6.0	5.7	6.7
RC4	5.0	2.3	5.3	7.0	5.0	6.0	6.7	8.0	7	7.3	7.0	6.0	5.0	6.7
SERENADE (PPG-TF 320)	5.0	2.7	5.0	7.0	5.0	6.0	7.0	8.0	7	7.3	6.7	6.0	5.0	6.7
SETFM3	6.0	2.3	4.0	6.3	4.7	5.3	6.3	7.7	7	7.3	6.7	6.0	6.0	6.7
SOUTHSIDE (PPG-TF 267)	5.0	2.0	4.7	6.3	5.0	6.0	6.7	8.0	7	7.3	6.3	6.3	5.0	6.7
SR 8700 (TMT1)	5.3	2.0	4.7	6.7	4.7	6.0	6.0	8.0	7	7.7	7.0	6.0	5.3	6.7
STEALTH (PPG-TF 238)	5.3	2.7	4.7	6.7	4.7	5.7	6.3	8.0	7	7.3	6.7	6.3	5.3	6.7
TALLADEGA II (NAI-3N2)	5.3	2.3	4.7	6.3	5.0	6.0	6.0	8.0	7	7.3	7.0	6.0	5.3	6.7
TEACHER (PPG-TF 313)	5.0	2.0	5.0	7.0	5.0	6.3	6.0	7.7	7	7.7	7.0	6.3	5.0	6.7
TOPSHELF (BGR-TF3)	6.7	2.3	4.3	6.0	4.3	5.3	6.3	8.0	7	6.7	6.3	6.0	6.7	6.7
VALSETZ (PPG-TF 257)	5.0	2.0	5.3	7.0	4.7	6.0	6.3	8.0	7	7.3	7.0	6.0	5.0	6.7
3B2	5.0	3.0	4.0	6.3	4.7	5.7	6.3	8.0	7	7.3	6.7	6.0	5.0	6.6
ATF1768	5.0	2.0	4.0	6.7	3.7	5.0	7.0	8.0	7	7.0	6.0	6.0	5.0	6.6
DLFPS-321/3703	5.0	2.7	5.0	6.7	5.0	6.0	6.7	8.0	7	7.3	6.3	6.0	5.0	6.6
DRAGSTER	5.0	2.0	5.0	7.0	5.3	5.7	6.0	7.7	7	7.7	6.3	6.3	5.0	6.6
ESSENTIAL 2 (DLFPS-TF/3552)	5.3	2.3	5.0	6.7	5.0	6.0	6.0	8.0	7	7.3	6.7	6.0	5.3	6.6



TABLE 22.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT LOGAN, UT 1/  
2023 DATA

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

NAME	QUALITY RATINGS													MEAN
	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY SUMMER	COLOR NOVEMBER	UNIFORMITY	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
GLX REVIVE (PST-5GLBS)	5.0	1.7	4.0	6.0	4.7	5.3	6.3	8.0	7.0	7.3	6.3	6.0	5.0	6.6
GRANDE 3	5.0	2.0	4.3	6.3	5.0	6.0	6.0	8.0	7.0	7.3	7.0	6.0	5.0	6.6
HELLCAT GLR (PST-5E6)	5.0	2.0	3.7	6.0	4.0	5.7	6.3	8.0	7.0	7.3	6.7	6.0	5.0	6.6
JT 233	5.0	3.0	4.3	6.7	4.3	5.7	6.3	8.0	7.0	7.3	6.7	6.0	5.0	6.6
K18-RS6	4.3	3.3	5.0	7.0	5.0	6.0	6.7	8.0	7.0	7.3	6.7	6.0	4.3	6.6
LBF	6.3	1.7	4.7	6.0	4.7	5.7	6.0	7.3	7.0	7.3	6.3	6.0	6.3	6.6
LIFEGUARD	5.0	2.3	4.7	6.7	5.0	5.7	6.0	8.0	7.0	7.7	6.7	6.0	5.0	6.6
PARAMOUNT	5.3	2.3	4.7	7.0	5.0	6.0	7.0	7.7	7.0	7.0	6.3	6.0	5.3	6.6
PPG-TF 231	5.0	1.7	4.7	6.3	5.0	6.0	6.7	8.0	7.0	7.0	6.7	6.0	5.0	6.6
PPG-TF 249	5.0	3.0	5.0	7.0	5.0	5.7	6.3	7.7	7.0	7.7	6.7	6.0	5.0	6.6
PST-5DZM	5.3	2.3	4.3	6.0	5.0	5.3	6.0	8.0	7.0	7.0	6.7	6.0	5.3	6.6
PST-5GQ	5.0	1.7	4.0	6.7	4.7	5.7	6.0	8.0	7.0	7.7	6.7	6.0	5.0	6.6
RDC	4.3	1.7	5.0	7.0	4.7	6.0	6.0	8.0	7.0	7.7	6.7	6.3	4.3	6.6
BRAVO 2	5.3	2.3	4.0	6.0	4.7	5.3	6.3	8.0	7.0	7.0	6.0	6.0	5.3	6.5
ESCALADE	5.0	1.7	4.0	5.3	4.0	5.0	6.3	7.7	7.0	7.0	6.3	6.0	5.0	6.5
FAIRFIELD (SETF104)	6.0	2.0	5.0	6.3	4.7	5.3	5.3	7.3	7.0	7.3	6.3	6.0	6.0	6.5
FAYETTE	5.0	2.0	4.7	6.7	5.0	5.3	6.7	7.7	7.0	7.0	6.3	6.0	5.0	6.5
GLX ACED (PST-5DART)	5.0	2.3	4.0	6.3	4.7	5.7	6.7	7.7	7.0	7.0	6.3	6.0	5.0	6.5
MOONDANCE GLX	4.7	2.0	3.7	5.7	4.7	5.7	6.3	8.0	7.0	7.0	6.7	6.0	4.7	6.5
NAI-FQZ-17	5.7	2.0	4.0	6.0	4.3	5.0	6.3	7.3	6.7	7.3	6.3	6.0	5.7	6.5
PADRE 2	5.0	3.0	4.0	6.3	5.0	6.0	6.3	7.7	7.0	7.3	6.3	6.0	5.0	6.5
PST-5MINK	5.0	1.7	4.0	6.7	4.3	5.3	6.0	8.0	6.7	7.3	6.3	6.0	5.0	6.5
PST-5THM	4.7	2.0	3.7	6.0	4.7	5.0	6.7	7.7	7.0	7.3	6.3	6.0	4.7	6.5
PST-5TRN	4.7	2.3	4.0	6.3	4.3	5.7	6.3	8.0	7.0	7.3	6.3	6.0	4.7	6.5
RS1	4.7	1.7	4.7	6.7	5.0	6.3	5.7	7.7	7.0	7.7	7.0	6.0	4.7	6.5
SE5STAR	4.7	2.7	4.0	6.0	4.0	4.7	7.3	7.7	6.3	7.3	6.7	5.7	4.7	6.5
BAR-FA8230	5.0	1.3	4.0	5.7	4.3	5.0	6.0	7.7	7.0	7.3	6.0	5.7	5.0	6.4
BENTLEY (DLFPS-321/3679)	5.7	2.0	4.7	6.0	4.7	6.0	5.3	7.7	7.0	7.0	6.3	6.0	5.7	6.4
GRAND PRIX (FC15-01P)	5.0	1.3	3.7	4.3	4.0	4.7	6.3	7.7	6.7	6.7	6.3	6.0	5.0	6.4
MONUMENT (PST-5SQB)	4.7	2.3	4.3	6.0	4.3	5.0	5.7	8.0	7.0	7.3	6.0	6.0	4.7	6.4
ORIOLE (PST-5BYOB)	4.3	1.7	3.3	5.3	4.0	5.3	7.0	8.0	7.0	6.7	6.3	5.7	4.3	6.4
RAD-TF115 (TURBO SS)	6.3	1.0	4.3	6.0	4.7	5.0	5.0	6.7	7.0	7.0	7.0	6.0	6.3	6.4
TANGO	5.0	2.0	3.3	6.0	4.3	5.7	6.3	7.3	6.7	7.3	6.3	6.0	5.0	6.4
A-TF31	6.0	1.7	4.3	6.0	4.0	5.7	5.7	7.3	6.7	7.0	6.0	5.7	6.0	6.3
BAR FA 8228	4.7	2.0	3.0	5.7	3.3	4.7	6.3	7.3	7.0	7.0	6.3	5.3	4.7	6.3
BARNOBLE (BAR 9FE MAS)	5.0	2.0	4.0	6.3	4.3	5.7	6.0	7.0	6.7	7.0	6.3	6.0	5.0	6.3
GRO-PRO (SE53D2)	4.3	2.0	3.7	6.0	3.7	5.0	6.3	7.7	7.0	7.0	6.0	5.7	4.3	6.3
PRO GOLD	4.3	1.7	4.0	5.7	4.7	5.7	6.0	7.7	7.0	6.7	6.3	6.0	4.3	6.3
RAD-TF131	6.7	2.0	4.7	6.3	4.7	4.7	5.0	7.0	6.7	7.0	6.0	6.0	6.7	6.3
OG-WALK	5.0	1.7	3.3	5.3	4.0	4.3	5.7	7.0	6.3	6.3	5.7	5.7	5.0	6.0
PALOMAR	4.7	2.0	3.3	5.3	3.3	5.0	6.7	7.3	6.3	6.3	5.7	5.3	4.7	6.0
KENTUCKY-31	3.0	2.7	2.0	4.3	2.3	4.0	6.3	7.0	7.0	6.7	5.0	4.0	3.0	5.6
LSD VALUE	0.7	1.9	0.7	0.7	0.7	1.0	1.1	0.6	0.4	0.8	0.8	0.6	0.7	0.2
C.V. (%)	8.8	30.2	9.9	6.8	8.5	10.1	8.6	3.9	3.1	5.7	6.7	5.1	8.8	2.4

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 23.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/  
2023 DATA

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

NAME	SPRING GREENUP	PERCENT GROUND COVER				QUALITY RATINGS				MEAN
		SUMMER	MAY	JUN	JUL	AUG	SEP	OCT		
5LSS	2.3	63.3	7.3	8.0	6.3	7.0	7.0	6.7	7.1	
K18-NSE	2.3	66.7	6.7	8.7	6.7	7.3	7.0	6.3	7.1	
CLASH (AH1)	2.0	66.7	6.7	8.0	6.7	7.0	6.7	7.0	7.0	
BATTLE HAWK (NAI-ROS4)	1.7	66.7	7.0	8.0	6.7	7.0	6.3	6.3	6.9	
COL-TF-148	1.7	70.0	6.3	8.0	7.0	7.0	7.0	6.3	6.9	
DEGAS (LTP-TF-111)	2.0	66.7	6.7	8.3	6.7	7.3	6.7	6.0	6.9	
DRAGSTER	1.0	70.0	7.3	8.0	7.0	6.7	6.3	6.0	6.9	
ESTRENA	1.7	63.3	7.0	8.0	6.3	7.3	6.3	6.3	6.9	
EXPANSE (PPG-TF 262)	1.7	66.7	7.0	8.3	6.7	6.7	6.7	6.0	6.9	
FIREHAWK SLT	1.3	66.7	7.0	8.3	6.7	7.0	6.7	6.0	6.9	
GALACTIC (SESCR1)	2.0	63.3	7.3	8.0	6.3	6.7	6.7	6.7	6.9	
K18-RS6	1.7	63.3	7.7	8.0	6.3	7.0	6.3	6.0	6.9	
PARAMOUNT	1.7	66.7	7.3	8.0	6.7	7.0	6.3	6.0	6.9	
DLFPS-321/3693	2.3	63.3	6.3	8.3	6.3	7.0	6.7	6.0	6.8	
DLFPS-321/3706	1.3	66.7	6.7	8.0	6.7	6.7	6.3	6.3	6.8	
DLFPS-TF/3553	2.0	66.7	6.3	8.0	6.7	6.3	7.0	6.3	6.8	
FIRECRACKER G-LS (PPG-TF 315)	1.0	66.7	6.7	8.0	6.7	7.0	6.7	6.0	6.8	
OKEEFE (LTP-TF-122)	1.7	63.3	6.7	8.0	6.3	6.7	7.0	6.0	6.8	
PPG-TF 231	2.0	66.7	7.0	8.0	6.7	6.7	6.7	6.0	6.8	
PPG-TF 312	2.0	66.7	6.0	8.0	6.7	7.0	7.0	6.0	6.8	
PRO GOLD	1.3	66.7	7.0	8.0	6.7	7.0	6.0	6.0	6.8	
SOUTHSIDE (PPG-TF 267)	1.7	70.0	6.3	8.3	7.0	6.7	6.3	6.0	6.8	
TALLADEGA II (NAI-3N2)	1.3	63.3	6.7	8.0	6.3	7.0	6.7	6.0	6.8	
TD2	2.7	63.3	6.3	8.0	6.3	7.0	7.0	6.3	6.8	
TEACHER (PPG-TF 313)	1.3	66.7	6.0	8.0	6.7	7.0	7.0	6.3	6.8	
VALSETZ (PPG-TF 257)	1.0	66.7	6.3	8.0	6.7	7.0	7.0	6.0	6.8	
AVENGER III (PPG-TF 308)	1.7	63.3	6.7	8.0	6.3	6.7	6.3	6.0	6.7	
BONFIRE (JS DTT)	1.0	60.0	6.3	8.0	6.0	6.7	7.3	6.0	6.7	
BULLSEYE	1.7	66.7	6.7	8.0	6.7	6.7	6.0	6.0	6.7	
CAPITAN (DLFPS-321/3705)	1.0	66.7	6.0	8.0	6.7	6.7	6.7	6.0	6.7	
COPIOUS TF	1.3	70.0	6.3	8.0	7.0	6.7	6.3	6.0	6.7	
DLFPS-321/3694	2.3	60.0	6.7	8.0	6.0	7.0	6.7	6.0	6.7	
DYNAMITE G-LS (PPG-TF 254)	2.0	63.3	7.3	8.0	6.3	6.7	6.0	6.0	6.7	
ENDGAME (3N1)	1.3	63.3	6.7	8.0	6.3	7.0	6.0	6.0	6.7	
EXTRAVAGANZA (PST-5MCMO)	1.3	56.7	7.0	8.0	5.7	7.0	6.3	6.0	6.7	
FASTLANE (BY-TF-169)	1.3	63.3	7.0	7.7	6.3	7.0	6.3	6.0	6.7	
FAYETTE	2.0	60.0	7.0	8.0	6.0	7.0	6.0	6.0	6.7	
FINELAWN SUPREME (RH3)	1.3	66.7	6.0	8.0	6.7	7.0	6.3	6.0	6.7	
HOUNDG NINE (DLFPS-321/3702)	2.0	66.7	6.7	8.0	6.7	6.3	6.7	6.0	6.7	
K18-WB1	1.3	63.3	6.0	8.0	6.3	6.7	7.0	6.0	6.7	
KIZZLE (K18-ROE)	1.7	60.0	6.7	8.0	6.0	7.0	6.3	6.3	6.7	
ORIOLE (PST-5BYOB)	1.0	63.3	7.0	8.0	6.3	7.0	6.0	6.0	6.7	
PPG-TF 249	2.3	66.7	6.7	7.7	6.7	7.0	6.3	6.0	6.7	
PPG-TF 318	1.3	63.3	6.7	8.0	6.3	6.7	6.7	6.0	6.7	
RACEWAY (DLFPS-321/3696)	2.7	63.3	7.0	8.0	6.3	7.0	6.0	6.0	6.7	

TABLE 23.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/  
2023 DATA

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

NAME	SPRING	PERCENT GROUND				QUALITY RATINGS				MEAN
	GREENUP	COVER	SUMMER	MAY	JUN	JUL	AUG	SEP	OCT	
RHL2	2.0	66.7	6.0	7.7	6.7	7.0	7.0	6.0	6.7	
ROVER (PPG-TF 306)	1.0	66.7	6.0	8.0	6.7	7.0	6.3	6.0	6.7	
SETFM2	1.3	66.7	6.7	8.0	6.7	7.0	6.0	6.0	6.7	
SPYDER 2LS (ZRC1)	1.0	60.0	6.0	8.0	6.0	7.0	7.0	6.3	6.7	
STEALTH (PPG-TF 238)	1.3	66.7	6.0	8.0	6.7	6.7	6.7	6.0	6.7	
SYMPHONY (PPG-TF 305)	1.7	70.0	6.0	8.0	7.0	7.0	6.3	6.0	6.7	
TRIAD (PPG-TF 323)	1.0	63.3	6.7	8.0	6.3	6.7	6.3	6.0	6.7	
XANADU (JT 268)	1.7	63.3	6.0	8.3	6.3	7.0	6.7	6.0	6.7	
ZION (BAR TF 134)	2.0	66.7	6.3	7.7	6.7	7.0	6.7	6.0	6.7	
3B2	2.0	63.3	6.3	8.0	6.3	6.7	6.0	6.0	6.6	
BANDIT	1.0	63.3	6.3	7.3	6.3	7.0	6.3	6.0	6.6	
BENTLEY (DLFPS-321/3679)	2.3	63.3	6.3	8.0	6.3	6.7	6.0	6.0	6.6	
BULLSEYE LTZ	1.3	66.7	6.0	7.7	6.7	6.3	7.0	6.0	6.6	
GALLARDO (DLFPS-TF/3550)	1.0	60.0	6.0	8.0	6.0	7.0	6.3	6.0	6.6	
GRANDE 3	2.3	56.7	6.0	8.0	5.7	7.0	6.7	6.3	6.6	
HELLCAT GLR (PST-5E6)	1.7	60.0	6.0	8.0	6.0	7.0	6.3	6.3	6.6	
LBF	1.3	66.7	6.0	8.0	6.7	6.7	6.0	6.0	6.6	
MOONDANCE GLX	1.7	60.0	7.0	7.7	6.0	6.7	6.0	6.0	6.6	
NAI-ST5	2.3	66.7	6.3	8.0	6.7	6.7	6.0	6.0	6.6	
NATURALLY GREEN	1.0	60.0	6.7	8.0	6.0	6.7	6.0	6.0	6.6	
PADRE 2	2.3	63.3	6.7	8.0	6.3	6.7	6.0	6.0	6.6	
PPG-TF 316	1.3	63.3	6.3	8.0	6.3	7.0	6.3	5.7	6.6	
PROVIDENCE (GO-RH20)	1.7	60.0	6.0	7.7	6.0	7.0	6.7	6.0	6.6	
PST-5DZM	1.3	60.0	6.3	8.0	6.0	6.7	6.3	6.0	6.6	
PST-5MINK	1.7	60.0	6.3	8.0	6.0	7.0	6.3	5.7	6.6	
PST-5THM	1.3	63.3	7.0	8.0	6.3	6.7	6.0	5.7	6.6	
PST-5TRN	1.0	63.3	6.3	7.7	6.3	7.0	6.0	6.0	6.6	
RAD-TF105	1.3	63.3	6.0	8.0	6.3	7.0	6.0	6.0	6.6	
RAPTOR III	1.7	60.0	6.7	8.0	6.0	6.7	6.3	6.0	6.6	
RAPTOR LS (PPG-TF 336)	2.0	63.3	6.3	8.0	6.3	6.7	6.3	6.0	6.6	
RC4	1.7	63.3	6.3	8.0	6.3	6.7	6.3	6.0	6.6	
RHF	1.3	63.3	6.0	8.0	6.3	7.0	6.0	6.0	6.6	
SE5STAR	1.3	60.0	6.7	8.0	6.0	6.7	6.0	6.0	6.6	
SERENADE (PPG-TF 320)	2.3	60.0	7.0	8.3	6.0	6.3	6.0	6.0	6.6	
SETFM3	1.0	63.3	6.3	8.0	6.3	6.7	6.0	6.0	6.6	
TOUGH (NAI-TUE)	1.7	63.3	6.3	8.0	6.3	6.7	6.0	6.0	6.6	
BLADERUNNER 3 (DLFPS-321/3701)	1.3	63.3	6.0	8.0	6.3	6.7	6.0	6.0	6.5	
DLFPS-321/3703	2.0	60.0	6.3	8.0	6.0	6.7	6.0	6.0	6.5	
ESSENTIAL 2 (DLFPS-TF/3552)	1.7	60.0	6.0	8.0	6.0	7.0	6.0	6.0	6.5	
GLX ACED (PST-5DART)	1.3	60.0	6.3	8.0	6.0	6.7	6.0	6.0	6.5	
HEMI	1.3	60.0	6.3	8.0	6.0	6.3	6.3	6.0	6.5	
JT 233	2.0	60.0	6.3	8.0	6.0	6.7	6.0	6.0	6.5	
JT 517	2.0	60.0	6.0	8.0	6.0	6.7	6.3	6.0	6.5	
MONUMENT (PST-5SQB)	1.0	60.0	6.3	8.0	6.0	7.0	6.0	5.7	6.5	
PPG-TF 337	1.0	63.3	5.7	8.0	6.3	6.7	6.3	6.0	6.5	

TABLE 23.  
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST GROWN UNDER DROUGHT STRESS AT LOGAN, UT 1/  
2023 DATA

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

NAME	SPRING		PERCENT GROUND			QUALITY RATINGS				MEAN
	GREENUP	COVER	SUMMER	MAY	JUN	JUL	AUG	SEP	OCT	
PST-5GQ	1.3	63.3	6.3	8.0	6.3	6.7	6.0	5.7	6.5	
ROWDIER (DLFPS-321/3699)	2.0	56.7	5.7	8.0	5.7	6.7	6.7	6.3	6.5	
TITAN GLX (TF445)	1.3	60.0	6.3	8.0	6.0	6.7	6.0	6.0	6.5	
TITANIUM G-LS (PPG-TF 255)	1.7	60.0	6.3	8.0	6.0	6.3	6.3	6.0	6.5	
AST8118LM	1.0	63.3	5.7	7.7	6.3	7.0	6.0	6.0	6.4	
AST8218LM	1.0	56.7	6.3	7.7	5.7	7.0	6.0	6.0	6.4	
ATF2116	2.0	53.3	6.7	7.7	5.3	7.0	6.0	5.7	6.4	
BIRMINGHAM	2.3	63.3	6.3	7.3	6.3	6.7	6.0	5.7	6.4	
DLFPS-321/3695	1.3	56.7	6.3	7.7	5.7	6.7	6.0	6.0	6.4	
DLFPS-321/3707	1.3	63.3	5.7	8.0	6.3	6.7	6.0	6.0	6.4	
FAIRFIELD (SETF104)	1.0	63.3	5.7	7.7	6.3	7.0	6.0	6.0	6.4	
FALCON SUPREME (RH1)	1.3	60.0	6.0	8.0	6.0	6.7	6.0	6.0	6.4	
GLX REVIVE (PST-5GLBS)	1.7	60.0	6.3	8.0	6.0	6.7	6.0	5.7	6.4	
GRO-PRO (SE53D2)	1.0	60.0	6.3	7.7	6.0	6.7	6.0	6.0	6.4	
LIFEGUARD	1.3	56.7	6.0	8.0	5.7	6.7	6.3	6.0	6.4	
NT-3	2.0	60.0	6.0	7.7	6.0	6.3	6.3	6.3	6.4	
PST-5DC24	1.7	60.0	6.0	8.0	6.0	6.7	6.0	6.0	6.4	
RDC	1.3	60.0	6.0	8.0	6.0	6.3	6.0	6.0	6.4	
RS1	2.0	60.0	5.7	7.7	6.0	7.0	6.0	6.0	6.4	
TANGO	1.3	56.7	6.3	7.7	5.7	6.7	6.3	6.0	6.4	
TANK (PPG-TF 338)	1.3	63.3	5.7	8.0	6.3	6.7	6.0	6.0	6.4	
TITAN MAX (TF456)	1.3	56.7	6.3	8.0	5.7	6.7	6.0	6.0	6.4	
TOPSHELF (BGR-TF3)	2.0	56.7	6.7	8.0	5.7	6.3	6.0	6.0	6.4	
ATF1768	2.0	60.0	6.3	8.0	6.0	6.3	6.0	5.3	6.3	
BRAVO 2	2.3	56.7	6.7	7.7	5.7	6.7	5.7	5.7	6.3	
DLFPS-321/3708	1.7	60.0	5.7	7.7	6.0	6.7	6.0	6.0	6.3	
ESCALADE	1.0	53.3	6.7	7.3	5.3	6.3	6.0	6.0	6.3	
FIRENZA II (PPG-TF 244)	1.3	60.0	5.0	8.0	6.0	6.7	6.3	6.0	6.3	
GRAND PRIX (FC15-01P)	1.0	53.3	6.3	8.0	5.3	6.7	5.7	5.7	6.3	
NAI-FQZ-17	1.7	60.0	6.0	7.7	6.0	6.7	6.0	5.7	6.3	
SR 8700 (TMT1)	2.0	53.3	6.0	7.7	5.3	6.3	6.3	6.0	6.3	
BAR FA 8228	1.0	56.7	6.0	7.7	5.7	6.7	5.7	5.3	6.2	
BARNOBLE (BAR 9FE MAS)	1.3	56.7	5.3	7.3	5.7	7.0	6.0	6.0	6.2	
DAYBREAK (AH2)	2.0	46.7	6.0	7.7	4.7	6.3	6.3	6.0	6.2	
A-TF31	1.0	60.0	5.0	7.3	6.0	6.0	6.0	6.0	6.1	
BAR-FA8230	1.3	56.7	6.0	7.3	5.7	6.7	5.3	5.3	6.1	
OG-WALK	1.0	50.0	6.0	7.3	5.0	6.0	5.7	6.0	6.0	
PALOMAR	1.7	53.3	5.7	7.0	5.3	6.3	6.0	5.7	6.0	
LAFAYETTE (GO-AOMK)	1.3	56.7	5.0	7.0	5.7	6.3	5.7	6.0	5.9	
RAD-TF131	1.0	56.7	4.7	6.7	5.7	6.7	6.0	6.0	5.9	
RAD-TF115 (TURBO SS)	1.0	60.0	4.3	6.3	6.0	6.0	6.0	5.7	5.7	
KENTUCKY-31	2.7	40.0	6.3	7.0	4.0	6.0	5.0	4.3	5.4	
LSD VALUE	2.7	22.0	1.4	0.6	2.2	2.4	0.9	0.6	0.5	
C.V. (%)	46.0	11.4	10.4	4.0	11.4	7.1	7.3	5.3	4.0	

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

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

TABLE 24.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT BLACKSBURG (3" MOWING HEIGHT), VA 1/  
2023 DATA

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

NAME	GENETIC		LEAF		QUALITY RATINGS					
	COLOR	TEXTURE	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
BULLSEYE LTZ	7.0	6.3	6.3	7.3	6.3	6.7	6.7	6.3	7.3	6.7
GALLARDO (DLFPS-TF/3550)	7.0	6.0	6.3	6.3	6.7	6.7	6.3	7.0	7.3	6.7
TD2	7.3	6.0	5.7	7.0	6.7	6.3	7.0	7.0	7.0	6.7
DLFPS-321/3707	7.0	6.3	6.0	6.7	6.0	6.3	6.7	7.0	7.7	6.6
DLFPS-321/3708	7.3	6.0	5.7	6.7	6.7	6.7	6.3	7.0	7.3	6.6
DLFPS-TF/3553	7.0	6.0	6.3	7.0	6.3	6.0	6.7	6.7	7.0	6.6
SYMPHONY (PPG-TF 305)	6.7	6.0	6.3	6.3	7.0	6.3	6.3	6.7	7.0	6.6
5LSS	6.0	6.3	6.3	7.0	6.3	5.7	6.3	6.7	7.0	6.5
BONFIRE (JS DTT)	7.0	6.0	6.0	7.0	7.0	6.3	6.0	6.3	7.0	6.5
DLFPS-321/3695	7.3	6.0	6.0	6.7	6.7	6.7	6.3	6.7	6.3	6.5
DLFPS-321/3706	7.0	6.0	6.3	6.3	6.0	6.7	6.3	6.7	7.3	6.5
EXPANSE (PPG-TF 262)	7.0	6.0	6.0	6.3	7.0	6.0	6.3	7.0	7.0	6.5
PPG-TF 231	7.3	6.7	5.3	7.0	7.0	6.3	6.3	6.3	7.0	6.5
BLADERUNNER 3 (DLFPS-321/3701)	7.3	6.0	5.0	6.7	6.7	6.3	5.7	6.7	7.7	6.4
CAPTAN (DLFPS-321/3705)	7.0	6.3	6.0	6.0	6.7	6.0	6.7	6.3	7.3	6.4
FINELAWN SUPREME (RH3)	7.3	5.7	5.7	6.7	6.7	6.0	6.3	6.7	7.0	6.4
JT 233	7.3	6.0	6.3	6.7	7.0	5.7	6.0	6.0	7.0	6.4
PPG-TF 312	7.0	5.7	5.3	6.7	6.7	6.3	6.3	6.3	7.0	6.4
SERENADE (PPG-TF 320)	7.0	6.0	5.3	6.7	6.7	6.0	6.7	6.7	6.7	6.4
TITAN GLX (TF445)	7.0	6.0	6.3	6.7	6.3	5.7	6.3	6.7	7.0	6.4
HEMI	6.7	6.0	5.3	6.7	6.7	6.3	5.7	6.3	7.0	6.3
JT 517	7.3	6.0	5.7	6.3	6.3	6.3	5.7	6.3	7.3	6.3
K18-WB1	7.0	5.7	6.0	6.3	6.3	6.0	6.7	5.7	7.0	6.3
PPG-TF 316	7.0	6.0	6.0	6.7	6.7	6.0	6.0	6.0	7.0	6.3
ROVER (PPG-TF 306)	7.0	5.7	5.3	7.0	6.0	6.7	6.0	6.0	7.0	6.3
TEACHER (PPG-TF 313)	7.0	5.7	6.0	6.3	6.0	6.3	6.3	6.0	7.3	6.3
TITANIUM G-LS (PPG-TF 255)	7.0	6.0	6.0	6.3	7.0	6.0	6.3	6.0	6.7	6.3
ATF1768	6.7	6.3	5.0	6.3	6.0	6.0	6.0	7.0	7.3	6.2
BATTLE HAWK (NAI-ROS4)	7.3	6.0	6.0	6.3	6.7	6.0	5.7	6.0	7.0	6.2
DAYBREAK (AH2)	6.7	6.0	5.3	6.3	6.7	6.7	5.7	5.7	7.3	6.2
DEGAS (LTP-TF-111)	6.7	6.0	5.3	6.0	6.3	6.7	6.3	6.0	7.0	6.2
ENDGAME (3N1)	7.0	5.7	6.0	6.7	6.3	6.0	5.7	5.7	7.0	6.2
FASTLANE (BY-TF-169)	6.7	6.0	5.3	7.0	6.3	6.0	6.0	6.0	6.7	6.2
FIRENZA II (PPG-TF 244)	7.3	6.7	6.3	6.7	6.3	5.7	6.0	6.0	6.3	6.2
K18-RS6	7.0	6.0	6.0	6.0	6.7	6.0	5.7	6.0	7.3	6.2
NAI-ST5	7.0	5.0	5.7	6.3	6.3	6.7	6.3	5.3	6.7	6.2
NT-3	6.7	6.0	5.7	6.3	6.7	6.0	6.0	6.0	7.0	6.2
ORIOLE (PST-5BYOB)	7.0	6.0	6.3	6.3	6.0	6.0	5.7	6.0	7.0	6.2
TITAN MAX (TF456)	6.7	6.0	6.0	6.7	6.7	5.7	5.7	6.0	6.7	6.2
CLASH (AH1)	7.0	6.0	5.0	6.7	6.0	6.0	6.0	6.0	7.0	6.1
DLFPS-321/3693	6.7	6.0	5.3	6.3	6.0	6.0	5.7	6.0	7.3	6.1
DLFPS-321/3694	7.0	6.0	5.7	6.3	6.3	5.7	6.0	6.0	7.0	6.1
FIRECRACKER G-LS (PPG-TF 315)	7.0	6.0	5.3	6.3	5.7	6.3	6.3	6.0	6.7	6.1
GALACTIC (SESCR1)	7.0	6.0	5.3	6.3	6.3	5.7	6.3	6.0	6.7	6.1
HELLCAT GLR (PST-5E6)	7.0	6.3	6.0	6.7	6.0	5.7	5.3	6.3	6.7	6.1

TABLE 24. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) IN THE 2018 NATIONAL TALL FESCUE TEST AT BLACKSBURG (3" MOWING HEIGHT), VA 1/  
 2023 DATA

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

NAME	GENETIC		LEAF		QUALITY RATINGS						MEAN	
	COLOR		TEXTURE		APR	MAY	JUN	JUL	AUG	SEP		OCT
HOUNDOG NINE (DLFPS-321/3702)	7.0		6.0		5.7	6.7	6.3	6.0	6.0	6.3	6.0	6.1
PADRE 2	7.0		5.3		6.3	6.0	5.7	6.0	5.7	6.0	7.0	6.1
PPG-TF 318	7.0		6.7		5.3	6.7	6.0	6.0	6.0	6.0	7.0	6.1
RC4	7.0		5.7		5.0	6.7	6.0	6.0	6.3	6.0	7.0	6.1
RDC	7.0		6.3		6.0	6.7	6.0	5.7	5.7	6.3	6.3	6.1
ROWDIER (DLFPS-321/3699)	7.0		6.0		5.3	6.7	6.3	6.0	5.7	6.0	6.7	6.1
RS1	7.0		5.7		6.0	6.0	6.3	5.3	5.7	6.7	7.0	6.1
SR 8700 (TMT1)	7.0		6.0		5.3	6.3	6.3	6.3	5.7	6.0	6.7	6.1
TANK (PPG-TF 338)	7.0		6.0		5.0	6.7	6.3	6.0	6.7	5.7	6.3	6.1
VALSETZ (PPG-TF 257)	7.7		6.0		5.3	6.7	6.0	6.3	5.3	5.7	7.3	6.1
ZION (BAR TF 134)	6.7		6.0		5.3	6.7	6.0	5.7	5.7	6.3	7.3	6.1
A-TF31	7.0		6.3		5.3	6.0	6.3	6.3	6.0	5.0	6.7	6.0
BANDIT	7.3		5.7		6.7	6.0	6.0	6.0	5.0	5.3	6.7	6.0
COL-TF-148	7.3		5.7		5.3	6.3	6.3	6.0	6.3	5.0	6.7	6.0
DYNAMITE G-LS (PPG-TF 254)	7.0		6.0		5.7	6.7	5.7	5.7	5.7	5.7	7.0	6.0
ESSENTIAL 2 (DLFPS-TF/3552)	7.0		6.3		5.3	6.0	6.0	5.7	6.0	6.3	7.0	6.0
ESTRENA	6.7		6.0		5.3	6.3	6.0	6.0	5.3	6.0	6.7	6.0
EXTRAVAGANZA (PST-5MCMO)	7.0		6.3		5.3	7.0	6.0	5.7	5.3	6.3	6.3	6.0
FAIRFIELD (SETF104)	7.3		6.3		5.7	6.7	6.0	5.7	5.7	5.3	6.7	6.0
FALCON SUPREME (RH1)	7.3		5.7		6.0	7.0	5.3	6.0	5.3	5.3	6.7	6.0
FAYETTE	7.3		6.0		6.0	6.0	6.0	5.7	5.3	5.3	7.3	6.0
FIREHAWK SLT	7.0		6.0		5.7	6.0	6.3	6.0	6.0	5.3	6.7	6.0
GLX ACED (PST-5DART)	7.0		6.3		5.7	6.3	6.3	6.0	6.0	5.7	6.3	6.0
K18-NSE	6.7		6.0		5.3	6.0	6.3	6.0	6.0	5.7	6.3	6.0
LIFEGUARD	6.7		6.0		5.0	6.3	6.7	6.3	5.7	5.7	6.3	6.0
NAI-FQZ-17	7.3		5.0		5.7	5.7	6.0	6.0	6.0	6.0	6.7	6.0
PPG-TF 249	7.0		6.3		4.7	6.0	6.3	6.0	5.7	6.0	7.0	6.0
PPG-TF 337	7.3		6.0		5.3	6.0	6.7	5.7	6.0	6.0	6.7	6.0
PROVIDENCE (GO-RH20)	7.0		6.0		6.3	6.0	6.0	5.7	5.7	6.0	6.7	6.0
PST-5DC24	7.7		6.0		6.0	6.7	5.7	5.7	5.7	6.0	6.7	6.0
PST-5DZM	7.0		6.0		6.0	6.7	6.0	5.3	5.7	5.7	6.7	6.0
RACEWAY (DLFPS-321/3696)	7.0		5.7		5.3	6.7	6.0	6.0	5.0	6.0	6.7	6.0
RAD-TF105	7.3		6.0		5.7	6.0	6.0	6.0	5.3	5.7	7.0	6.0
RAD-TF115 (TURBO SS)	7.0		6.3		5.7	6.3	6.0	5.7	6.0	5.7	6.7	6.0
RHL2	6.7		6.0		4.7	7.0	6.3	6.0	6.0	5.7	6.3	6.0
SETFM3	7.0		6.0		5.7	6.7	5.3	5.7	5.7	6.0	7.0	6.0
SOUTHSIDE (PPG-TF 267)	7.0		6.0		5.3	6.3	6.3	5.7	5.7	5.7	6.7	6.0
SPYDER 2LS (ZRC1)	7.0		6.3		5.7	6.0	6.3	6.0	5.7	5.3	7.0	6.0
AVENGER III (PPG-TF 308)	7.0		5.7		5.0	6.0	6.0	5.7	6.0	5.7	7.0	5.9
BENTLEY (DLFPS-321/3679)	6.7		6.3		5.0	6.3	6.0	6.0	5.7	5.7	6.3	5.9
DLFPS-321/3703	6.7		6.0		5.7	6.3	6.3	5.7	5.3	5.3	6.7	5.9
DRAGSTER	7.0		6.7		5.3	6.0	6.3	5.3	5.7	5.7	7.0	5.9
KIZZLE (K18-ROE)	6.7		5.3		6.0	6.0	6.0	5.7	5.3	5.7	6.7	5.9
PST-5TRN	7.0		6.0		5.0	6.3	6.3	6.0	5.3	6.0	6.3	5.9
RAPTOR III	6.7		6.0		5.0	5.7	6.0	6.3	5.3	5.7	7.0	5.9

TABLE 24. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2018 NATIONAL TALL FESCUE TEST AT BLACKSBURG (3" MOWING HEIGHT), VA 1/  
2023 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/									
	GENETIC COLOR	LEAF TEXTURE	APR	MAY	QUALITY RATINGS			AUG	SEP	OCT
STEALTH (PPG-TF 238)	6.7	6.0	5.3	6.7	5.7	6.0	5.3	5.3	7.0	5.9
TOUGH (NAI-TUE)	7.3	6.0	5.7	5.3	6.0	6.0	5.7	5.7	6.7	5.9
TRIAD (PPG-TF 323)	7.0	6.3	4.7	6.3	5.7	5.7	6.0	6.0	6.7	5.9
XANADU (JT 268)	7.0	6.0	5.7	6.7	6.0	5.7	5.3	5.7	6.3	5.9
BAR-FA8230	7.0	5.7	5.0	6.3	5.3	6.0	5.7	6.0	6.0	5.8
MOONDANCE GLX	6.3	6.3	5.7	6.0	5.3	5.7	5.7	6.0	6.0	5.8
OKEEFE (LTP-TF-122)	7.0	6.0	5.3	5.3	6.7	6.0	6.0	5.3	5.7	5.8
PST-5GQ	6.7	5.7	5.0	6.0	6.0	5.7	5.3	5.7	6.7	5.8
RAPTOR LS (PPG-TF 336)	7.3	6.3	5.0	6.3	6.3	5.7	6.0	5.0	6.3	5.8
SE5STAR	7.3	5.0	5.3	5.3	6.7	5.3	5.3	6.0	6.3	5.8
SETFM2	7.3	5.7	6.0	6.0	6.0	5.7	5.3	5.0	6.7	5.8
TALLADEGA II (NAI-3N2)	7.0	6.0	4.3	5.7	5.7	5.7	6.0	5.7	7.3	5.8
AST8118LM	7.0	6.0	5.0	6.7	5.3	5.7	5.0	5.3	7.0	5.7
AST8218LM	7.7	5.7	5.3	6.0	5.3	5.7	5.0	5.3	7.0	5.7
PARAMOUNT	7.0	5.7	5.0	5.7	6.0	5.7	5.7	6.0	6.0	5.7
PRO GOLD	6.7	6.0	5.3	6.3	5.7	5.3	5.0	5.7	6.7	5.7
TOPSHELF (BGR-TF3)	7.7	6.0	6.3	6.3	5.3	5.3	4.7	5.0	7.0	5.7
3B2	7.3	6.0	5.7	5.7	5.3	5.3	5.0	5.7	6.7	5.6
BRAVO 2	6.7	5.7	5.3	5.7	5.7	5.3	5.0	6.0	6.3	5.6
COPIOUS TF	7.7	5.3	6.0	6.0	6.0	5.3	5.0	5.3	5.3	5.6
GRANDE 3	7.0	5.7	5.7	5.7	5.7	5.0	5.0	5.7	6.3	5.6
GRO-PRO (SE53D2)	7.3	6.7	5.3	5.7	5.3	5.3	5.7	5.3	6.3	5.6
LAFAYETTE (GO-AOMK)	6.7	5.7	5.3	6.0	5.7	5.0	5.0	5.7	6.3	5.6
LBF	7.3	6.0	5.3	6.7	5.7	5.0	5.0	5.3	6.3	5.6
RHF	6.7	6.3	5.3	6.0	5.3	5.3	5.7	5.3	6.3	5.6
ATF2116	7.3	5.7	5.3	5.7	5.7	5.0	4.7	5.7	6.3	5.5
BULLSEYE	6.7	6.0	5.7	5.3	6.0	5.3	5.0	5.7	5.7	5.5
ESCALADE	6.0	5.7	6.0	5.3	6.0	5.3	4.7	5.3	6.0	5.5
RAD-TF131	7.3	5.3	5.7	6.0	5.7	5.3	5.0	5.0	6.0	5.5
GLX REVIVE (PST-5GLBS)	6.3	5.7	4.7	5.7	5.3	5.3	5.0	5.7	6.0	5.4
MONUMENT (PST-5SQB)	7.0	5.7	5.3	5.3	5.3	5.3	5.0	5.3	6.0	5.4
PST-5MINK	7.0	5.3	5.0	5.7	6.0	5.0	4.7	4.7	6.0	5.3
TANGO	7.0	5.7	5.3	5.7	5.0	5.3	4.7	5.0	6.3	5.3
BARNOBLE (BAR 9FE MAS)	7.3	6.0	4.7	5.0	5.7	5.7	5.3	5.0	5.3	5.2
BIRMINGHAM	6.7	5.3	5.0	5.0	5.3	4.7	5.0	5.0	6.7	5.2
NATURALLY GREEN	7.3	5.7	5.3	5.3	5.3	5.0	4.3	5.7	5.7	5.2
PST-5THM	7.0	6.0	4.7	5.7	5.3	5.0	4.7	5.0	6.3	5.2
GRAND PRIX (FC15-01P)	6.7	5.7	4.7	5.7	5.0	5.3	4.7	4.3	6.0	5.1
PALOMAR	6.7	6.0	5.0	5.0	4.7	5.0	4.7	5.3	6.0	5.1
BAR FA 8228	7.0	5.0	5.0	5.0	5.0	4.7	4.7	5.0	6.0	5.0
OG-WALK	6.3	5.0	5.3	5.0	4.7	4.7	4.0	4.0	5.3	4.7
KENTUCKY-31	3.0	2.0	2.7	3.3	3.3	3.0	2.7	3.0	3.7	3.1
LSD VALUE	0.8	1.1	2.5	1.2	1.3	1.2	1.2	2.5	1.6	0.8
C.V. (%)	6.5	9.4	14.6	10.2	11.0	10.7	12.0	15.3	10.9	7.9

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

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

TABLE 25.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
IN THE 2018 NATIONAL TALL FESCUE TEST AT BLACKSBURG (1.5" MOWING HEIGHT), VA 1/  
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS							MEAN
			APR	MAY	JUN	JUL	AUG	SEP	OCT	
DLFPS-321/3708	7.3	6.0	7.0	6.3	6.3	6.7	6.7	7.0	7.7	6.8
TD2	7.3	6.0	7.0	6.7	6.7	6.0	7.0	7.0	7.0	6.8
BONFIRE (JS DTT)	7.0	6.0	6.7	7.0	6.7	6.3	6.7	6.7	7.0	6.7
DLFPS-321/3707	7.0	6.3	6.7	6.7	6.0	6.3	6.7	7.0	7.7	6.7
GALLARDO (DLFPS-TF/3550)	7.0	6.0	6.7	6.3	6.0	7.0	6.3	7.0	7.3	6.7
5LSS	6.0	6.3	6.7	7.0	6.0	6.3	6.3	6.7	7.0	6.6
BLADERUNNER 3 (DLFPS-321/3701)	7.3	6.0	7.0	6.0	6.7	6.7	5.7	6.7	7.7	6.6
BULLSEYE LTZ	7.0	6.3	7.0	6.7	6.0	6.7	6.3	6.3	7.3	6.6
DEGAS (LTP-TF-111)	6.7	6.0	7.0	6.7	6.3	6.7	6.3	6.0	7.0	6.6
DLFPS-321/3695	7.3	6.0	6.3	6.3	6.7	6.7	6.3	7.0	6.7	6.6
DLFPS-321/3706	7.0	6.0	6.7	6.3	6.0	6.7	6.3	7.0	7.3	6.6
EXPANSE (PPG-TF 262)	7.0	6.0	6.0	6.3	6.3	6.3	6.7	7.0	7.3	6.6
PPG-TF 312	7.0	5.7	7.0	6.7	6.3	6.3	6.0	6.7	7.3	6.6
SYMPHONY (PPG-TF 305)	6.7	6.0	7.0	6.3	6.7	6.3	6.0	6.7	7.0	6.6
DLFPS-TF/3553	7.0	6.0	6.7	6.7	6.3	6.0	6.3	6.7	7.0	6.5
JT 517	7.3	6.0	6.3	6.7	6.7	6.3	5.7	6.7	7.3	6.5
PPG-TF 231	7.3	6.7	6.3	6.3	6.3	6.3	6.3	6.7	7.0	6.5
PPG-TF 316	7.0	6.0	7.0	6.3	6.3	6.3	6.0	6.3	7.0	6.5
TITAN GLX (TF445)	7.0	6.0	7.0	6.3	6.0	6.0	6.3	6.7	7.0	6.5
TITANIUM G-LS (PPG-TF 255)	7.0	6.0	7.0	6.3	6.3	6.3	6.3	6.3	7.0	6.5
FINELAWN SUPREME (RH3)	7.3	5.7	6.0	6.3	6.3	6.0	6.7	6.7	7.0	6.4
HOUND OG NINE (DLFPS-321/3702)	7.0	6.0	6.7	6.3	6.3	6.0	6.0	6.7	7.0	6.4
JT 233	7.3	6.0	6.7	6.0	6.3	5.7	6.3	6.7	7.0	6.4
K18-RS6	7.0	6.0	6.3	6.0	6.7	6.0	6.0	6.7	7.3	6.4
NAI-ST5	7.0	5.0	7.0	6.0	6.7	6.7	6.3	5.7	6.7	6.4
RHL2	6.7	6.0	6.0	6.7	6.3	6.3	6.3	6.7	6.7	6.4
ROVER (PPG-TF 306)	7.0	5.7	6.3	7.0	5.7	6.7	6.0	6.0	7.0	6.4
ROWDIER (DLFPS-321/3699)	7.0	6.0	6.7	6.3	6.3	6.3	6.0	6.0	7.0	6.4
SERENADE (PPG-TF 320)	7.0	6.0	6.3	6.0	6.0	6.3	6.3	6.7	7.0	6.4
TANK (PPG-TF 338)	7.0	6.0	6.3	6.7	6.3	6.3	6.3	6.3	6.3	6.4
TEACHER (PPG-TF 313)	7.0	5.7	6.0	6.3	6.0	6.7	6.3	6.0	7.3	6.4
A-TF31	7.0	6.3	6.3	6.0	6.3	6.3	6.0	6.3	6.7	6.3
AVENGER III (PPG-TF 308)	7.0	5.7	7.3	6.0	6.0	6.3	6.0	5.7	7.0	6.3
CAPITAN (DLFPS-321/3705)	7.0	6.3	6.3	5.7	6.0	6.0	6.3	6.7	7.3	6.3
DAYBREAK (AH2)	6.7	6.0	6.0	6.0	6.7	7.0	5.7	5.7	7.3	6.3
HEMI	6.7	6.0	6.7	6.3	6.3	6.0	5.7	6.3	6.7	6.3
K18-WB1	7.0	5.7	6.7	6.0	6.0	6.3	6.3	6.0	7.0	6.3
NT-3	6.7	6.0	6.3	6.0	6.0	6.0	6.3	6.3	7.0	6.3
PPG-TF 249	7.0	6.3	5.7	6.3	6.0	6.3	6.0	6.7	7.0	6.3
PST-5TRN	7.0	6.0	6.3	6.3	6.7	6.0	5.3	6.3	7.0	6.3
RS1	7.0	5.7	7.0	6.0	6.0	6.0	5.7	6.7	7.0	6.3
SOUTHSIDE (PPG-TF 267)	7.0	6.0	7.0	6.3	6.3	5.7	5.7	6.3	6.7	6.3
ZION (BAR TF 134)	6.7	6.0	6.3	6.3	6.3	5.7	5.7	6.3	7.3	6.3
ATF1768	6.7	6.3	5.3	6.3	5.7	6.0	6.0	7.0	7.3	6.2
DLFPS-321/3694	7.0	6.0	6.0	6.0	6.3	5.3	6.0	6.7	7.0	6.2



TABLE 25. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
 (CONT'D) IN THE 2018 NATIONAL TALL FESCUE TEST AT BLACKSBURG (1.5" MOWING HEIGHT), VA 1/  
 2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS							
			APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DRAGSTER	7.0	6.7	6.7	6.0	6.3	5.7	5.7	6.0	7.0	6.2
ESSENTIAL 2 (DLFPS-TF/3552)	7.0	6.3	6.3	6.0	5.7	6.3	6.0	6.7	6.7	6.2
FIRECRACKER G-LS (PPG-TF 315)	7.0	6.0	6.7	6.0	5.3	6.3	6.0	6.3	7.0	6.2
FIRENZA II (PPG-TF 244)	7.3	6.7	7.0	6.7	5.7	6.0	6.0	6.0	6.3	6.2
GALACTIC (SESCR1)	7.0	6.0	6.3	6.0	6.0	6.0	6.0	6.3	6.7	6.2
GLX ACED (PST-5DART)	7.0	6.3	6.3	6.3	6.0	6.7	6.0	5.7	6.7	6.2
HELLCAT GLR (PST-5E6)	7.0	6.3	7.0	6.7	6.0	5.7	5.3	6.3	6.7	6.2
PPG-TF 318	7.0	6.7	7.0	6.0	5.7	6.0	6.0	6.0	7.0	6.2
RAD-TF115 (TURBO SS)	7.0	6.3	6.7	6.3	6.0	6.0	6.0	5.7	6.7	6.2
RDC	7.0	6.3	6.7	6.3	6.0	6.0	5.7	6.3	6.7	6.2
SPYDER 2LS (ZRC1)	7.0	6.3	6.7	6.0	6.0	6.0	5.7	6.0	7.0	6.2
BATTLE HAWK (NAI-ROS4)	7.3	6.0	6.7	5.7	5.7	6.3	5.7	6.0	7.0	6.1
ENDGAME (3N1)	7.0	5.7	7.0	6.3	5.7	6.3	5.3	5.3	7.0	6.1
LIFEGUARD	6.7	6.0	6.0	6.3	6.7	6.0	5.7	6.0	6.3	6.1
OKEEFE (LTP-TF-122)	7.0	6.0	6.3	5.3	6.3	6.3	6.7	5.7	6.3	6.1
PST-5DC24	7.7	6.0	6.3	6.7	5.7	6.0	5.7	6.0	6.7	6.1
PST-5DZM	7.0	6.0	6.0	6.3	5.7	6.0	5.7	6.3	6.7	6.1
RAD-TF105	7.3	6.0	7.0	6.0	5.7	6.0	5.3	5.7	7.0	6.1
RC4	7.0	5.7	5.7	6.0	5.7	6.3	6.3	6.0	7.0	6.1
SR 8700 (TMT1)	7.0	6.0	6.3	6.3	6.0	6.3	5.3	6.0	6.7	6.1
STEALTH (PPG-TF 238)	6.7	6.0	6.7	6.3	5.7	6.0	5.0	6.0	7.0	6.1
TALLADEGA II (NAI-3N2)	7.0	6.0	6.3	5.7	5.0	6.0	6.3	6.0	7.3	6.1
TITAN MAX (TF456)	6.7	6.0	6.7	6.0	6.0	6.0	5.7	6.0	6.7	6.1
TRIAD (PPG-TF 323)	7.0	6.3	6.3	6.0	5.3	6.0	6.3	6.0	6.7	6.1
BAR-FA8230	7.0	5.7	6.0	6.0	5.3	6.0	5.7	6.0	6.7	6.0
DLFPS-321/3693	6.7	6.0	6.3	5.7	5.7	6.0	5.7	6.0	7.0	6.0
DLFPS-321/3703	6.7	6.0	6.7	6.3	6.3	6.0	5.7	5.3	6.0	6.0
ESTRENA	6.7	6.0	6.3	6.3	5.7	6.3	5.3	6.3	6.0	6.0
FASTLANE (BY-TF-169)	6.7	6.0	6.3	6.3	5.7	6.0	5.3	5.7	6.3	6.0
FAYETTE	7.3	6.0	6.7	5.7	5.7	5.7	5.0	6.0	7.3	6.0
FIREHAWK SLT	7.0	6.0	6.0	6.0	5.7	6.0	6.0	5.7	6.3	6.0
K18-NSE	6.7	6.0	6.0	5.7	6.3	6.0	6.0	5.7	6.3	6.0
KIZZLE (K18-ROE)	6.7	5.3	6.7	6.0	5.7	5.3	6.0	5.7	7.0	6.0
ORIOLE (PST-5BYOB)	7.0	6.0	6.7	6.0	6.0	5.3	5.3	6.0	7.0	6.0
PADRE 2	7.0	5.3	6.7	6.0	5.3	5.7	5.7	6.0	6.7	6.0
PROVIDENCE (GO-RH20)	7.0	6.0	6.7	6.0	5.7	5.7	5.7	6.0	6.7	6.0
PST-5GQ	6.7	5.7	6.0	6.3	5.7	6.0	5.3	6.0	6.7	6.0
RACEWAY (DLFPS-321/3696)	7.0	5.7	6.0	6.0	5.3	6.3	5.7	6.0	6.7	6.0
RAPTOR III	6.7	6.0	6.0	5.3	6.0	6.3	6.0	5.7	7.0	6.0
SE5STAR	7.3	5.0	6.0	5.7	5.7	6.0	5.3	6.3	6.7	6.0
SETFM3	7.0	6.0	6.3	6.3	5.3	5.3	5.7	6.0	7.0	6.0
TOUGH (NAI-TUE)	7.3	6.0	6.3	5.3	5.7	6.0	5.7	6.0	6.7	6.0
XANADU (JT 268)	7.0	6.0	7.0	6.0	5.7	5.3	5.3	5.7	6.7	6.0
BENTLEY (DLFPS-321/3679)	6.7	6.3	5.7	6.3	6.0	5.7	5.7	5.7	6.0	5.9
CLASH (AH1)	7.0	6.0	5.7	6.0	5.3	6.0	5.3	6.0	7.0	5.9

TABLE 25. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF TALL FESCUE CULTIVARS  
(CONT'D) IN THE 2018 NATIONAL TALL FESCUE TEST AT BLACKSBURG (1.5" MOWING HEIGHT), VA 1/  
2023 DATA

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

NAME	GENETIC		LEAF		QUALITY RATINGS						MEAN	
	COLOR		TEXTURE		APR	MAY	JUN	JUL	AUG	SEP		OCT
COL-TF-148	7.3		5.7		5.7	5.7	6.0	5.7	6.3	5.3	6.7	5.9
DYNAMITE G-LS (PPG-TF 254)	7.0		6.0		5.7	6.3	5.7	5.3	5.7	5.7	7.0	5.9
FAIRFIELD (SETF104)	7.3		6.3		6.0	6.0	6.0	5.7	5.3	5.7	6.7	5.9
MOONDANCE GLX	6.3		6.3		6.7	5.7	5.0	5.7	6.0	6.0	6.3	5.9
PARAMOUNT	7.0		5.7		6.0	5.3	6.0	5.7	5.7	5.7	6.7	5.9
RAPTOR LS (PPG-TF 336)	7.3		6.3		6.3	6.7	5.7	5.7	5.7	5.0	6.0	5.9
EXTRAVAGANZA (PST-5MCMO)	7.0		6.3		6.3	6.3	5.7	5.0	5.0	6.0	6.3	5.8
FALCON SUPREME (RH1)	7.3		5.7		6.3	6.0	5.3	5.3	5.3	5.7	6.7	5.8
NAI-FQZ-17	7.3		5.0		5.7	5.0	5.3	6.0	6.0	6.0	6.7	5.8
PPG-TF 337	7.3		6.0		5.7	6.0	5.7	5.3	6.0	5.7	6.3	5.8
PRO GOLD	6.7		6.0		6.0	6.3	5.7	5.3	5.0	5.3	6.7	5.8
SETFM2	7.3		5.7		6.3	6.0	5.3	5.7	5.0	5.3	6.7	5.8
TOPSHELF (BGR-TF3)	7.7		6.0		7.3	6.0	5.0	5.3	4.7	5.3	6.7	5.8
3B2	7.3		6.0		6.0	5.3	5.3	5.3	5.0	6.0	6.7	5.7
AST8218LM	7.7		5.7		6.3	5.7	5.0	5.7	5.0	5.7	6.7	5.7
BANDIT	7.3		5.7		6.3	5.7	5.3	5.7	5.0	5.7	6.3	5.7
BRAVO 2	6.7		5.7		6.0	5.3	5.7	5.7	5.0	6.0	6.3	5.7
GLX REVIVE (PST-5GLBS)	6.3		5.7		6.3	5.3	5.3	5.3	5.0	6.0	6.3	5.7
GRANDE 3	7.0		5.7		6.3	6.0	5.3	5.3	5.0	5.7	6.3	5.7
LBF	7.3		6.0		6.0	6.0	5.3	5.3	5.0	5.7	6.7	5.7
RAD-TF131	7.3		5.3		6.3	5.3	6.0	5.3	5.3	5.3	6.3	5.7
VALSETZ (PPG-TF 257)	7.7		6.0		6.0	5.7	5.3	5.7	5.0	5.3	6.7	5.7
BULLSEYE	6.7		6.0		6.0	5.3	5.7	5.3	5.0	5.7	6.3	5.6
COPIOUS TF	7.7		5.3		6.3	5.7	5.3	5.3	4.7	5.3	6.3	5.6
GRO-PRO (SE53D2)	7.3		6.7		6.0	5.7	5.0	5.3	5.7	5.3	6.3	5.6
PST-5THM	7.0		6.0		6.0	5.7	5.7	5.7	4.7	5.0	6.3	5.6
ESCALADE	6.0		5.7		6.7	5.3	5.3	5.3	4.7	5.3	6.0	5.5
MONUMENT (PST-5SQB)	7.0		5.7		6.0	5.3	5.0	5.3	5.3	5.7	6.0	5.5
RHF	6.7		6.3		5.7	5.3	5.3	5.3	5.7	5.0	6.0	5.5
ATF2116	7.3		5.7		5.7	5.3	5.3	5.0	4.7	5.3	6.3	5.4
BARNOBLE (BAR 9FE MAS)	7.3		6.0		5.7	5.0	5.3	5.3	5.0	5.7	5.7	5.4
BIRMINGHAM	6.7		5.3		6.0	5.0	5.3	5.0	5.0	5.3	6.0	5.4
NATURALLY GREEN	7.3		5.7		5.7	5.0	5.3	5.0	5.0	5.3	6.3	5.4
PST-5MINK	7.0		5.3		5.3	5.7	6.0	5.3	4.7	5.0	5.7	5.4
AST8118LM	7.0		6.0		5.3	5.7	4.7	5.7	4.7	5.3	6.0	5.3
LAFAYETTE (GO-AOMK)	6.7		5.7		5.7	6.0	5.0	5.0	4.7	4.7	6.0	5.3
TANGO	7.0		5.7		6.0	4.7	5.0	5.3	4.7	5.0	6.3	5.3
BAR FA 8228	7.0		5.0		5.7	4.3	5.0	5.3	4.7	5.3	5.3	5.1
GRAND PRIX (FC15-01P)	6.7		5.7		5.7	5.0	4.3	5.0	4.7	5.0	6.0	5.1
PALOMAR	6.7		6.0		6.0	5.0	4.0	4.7	4.3	5.3	5.7	5.0
OG-WALK	6.3		5.0		6.0	4.7	4.3	4.3	4.0	4.3	5.0	4.7
KENTUCKY-31	3.0		2.0		2.7	2.0	2.3	2.3	2.0	2.0	2.7	2.3
LSD VALUE	0.8		1.1		2.4	1.3	1.3	1.3	1.3	2.2	1.3	0.9
C.V. (%)	6.5		9.4		13.0	11.5	12.2	11.4	12.5	15.1	10.0	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.