



2012 Warm-Season Annual Grass Report

Research Report 13-6

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The forage cultivar evaluation program is a partnership between University of Tennessee Extension and UT AgResearch to aid producers in the selection of the best cultivars for their farm. This study was conducted using a randomized complete block design with three replications. The crop was grown using management practices considered to be the best for the crop, including fertilization according to soil test results.

Least significant difference (LSD) values at the 5 percent level are shown at the bottom of each table. Within any table, yields of any two varieties being compared must differ by at least this amount to be considered different. Also, coefficient of variation (CV) values are shown at the bottom of each table. This value is a measure of the consistency of yields found within each study, with lower CVs indicating less variability.

Table 1: 2012 Yield of warm-season annual grass varieties at the East Tennessee Research and Education Center at Knoxville.

Variety	Species	Yield (ton DM/acre)			
		Jun 27	Jul 18	Aug 20	Total
Greengrazer V	Sorghum x Sudangrass	0.47*	0.92*	1.42*	2.81*
FSG - 208 BMR	Sorghum x Sudangrass	0.52*	1.02*	1.37*	2.92*
HayKing BMR	Sudan x Sudangrass	0.33	0.74*	1.33*	2.40
CW 6-43-50 BMR	Sudan x Sudangrass	0.34	0.78*	1.17*	2.29
CW 5-43-29 BMR	Sudan x Sudangrass	0.34	1.04*	1.50*	2.89*
Tiffany	Teffgrass	0.24	0.84*	1.47*	2.56
Stallion	Teffgrass	0.53*	1.03*	2.15*	3.71*
LSD P=.05		0.168	0.36	0.88	1.11
CV %		23.7	22	33	22
* yielded statistically the same as the top-yielding variety					
Nitrogen Application: 60 lb/acre at planting and 60 lb/acre after first harvest					
Planted May 18, 2012					

Table 2: Variety Information

Variety	Species	Supplier	Commercially Available
Greengrazer V	Sorghum x Sudangrass	Allied Seed	Yes
FSG - 208 BMR	Sorghum x Sudangrass	Allied Seed	Yes
HayKing BMR	Sorghum x Sudangrass	Producer's Choice Seed	Yes
CW 6-43-50 BMR	Sorghum x Sudangrass	Cal/West Seeds	No
CW 5-43-29 BMR	Sorghum x Sudangrass	Cal/West Seeds	No
Tiffany	Teffgrass	Producer's Choice Seed	Yes
Stallion	Teffgrass	Allied Seed	Yes

This and other useful information can be found at your local extension office, or at our website.

<http://forages.tennessee.edu>