



2011 Warm-Season Annual Grass Report

Research Report 12-8

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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: 2011 Yield of warm-season annual grass varieties at the Highland Rim Research and Education Center at Springfield.

Variety	Species	Yield (ton DM/acre)			
		Jul 14	Aug 4	Sep 21	Total
FSG-208	sorghum x sudangrass	1.78*	0.98*	1.47*	4.23*
Greengrazer V	sorghum x sudangrass	1.23*	1.16*	1.84*	4.23*
Dessie	teffgrass	1.76*	0.56	1.30*	3.62
Red River	crabgrass	1.23*	1.37*	1.49*	4.09*
Quick n' Big	crabgrass	0.97*	1.15*	1.08	3.20
Tiffany	teffgrass	1.56*	0.78	1.30*	3.64*
HayKing	sorghum x sudangrass	1.19*	1.14*	1.74*	4.07*
Piper	sudangrass	1.79*	1.33*	1.72*	4.85*
LSD P=.05		0.93	0.58	0.63	1.21
CV %		37	31	24	17
* yielded statistically the same as the top-yielding variety					
Nitrogen Application: 60 lb/acre at planting and 60 lb/acre after first harvest					
Planted June 6, 2011					

Table 2: Variety Information

Variety	Species	Supplier	Commercially Available
FSG-208	sorghum x sudangrass	Allied Seed	Yes
Greengrazer V	sorghum x sudangrass	Allied Seed	Yes
Dessie	teffgrass	Allied Seed	Yes
Red River	crabgrass	Elstel Farm & Seed	Yes
Quick n' Big	crabgrass	Elstel Farm & Seed	Yes
Tiffany	teffgrass	Producer's Choice	Yes
HayKing	sorghum x sudangrass	Producer's Choice	Yes
Piper	sudangrass	Various	Yes

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

<http://forages.tennessee.edu>

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