



2008 Warm Season Annual Grass Variety Trial Report

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The purpose of forage cultivar evaluation is to aid producers in the selection of the best cultivars for their farm. The data in the following tables were conducted using plot design, experimental techniques, and management that were considered best management practices for each crop. These studies were planted in spring, 2008, and were only irrigated to aid in establishment.

Least significant difference (LSD) values at the five 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 in yielding ability. 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.

Table 1: Yield of warm season annual grass varieties during 2008 at the Plateau Research and Education Center in Crossville.

Variety	Yield (lb DM/acre)			
	July 21	Aug. 11	Sep. 25	Total
Red River crabgrass	982	834*	3008	4824
Quick n' Big crabgrass	951	932*	2252	4136
PROMAX Sudangrass	1930*	824*	3738*	6493*
MS202BMR sorghum x Sudan	1460*	843*	3627*	5932*
FSG208BMR sorghum x Sudan	1429*	889*	2752	5070
Greengrazer sorghum x Sudan	1910*	872*	4117*	6900*
Dessie Teff grass	1597*	761*	1955	4314
Tiffany Teff grass	1581*	395	2130	4107
LSD (P=.05)	797	383	644	1139
CV (%)	36	32	14	14

* yielded statistically the same as the top yielding variety

Table 2: Yield of warm season annual grass varieties during 2008 at the Highland Rim Research and Education Center in Springfield.

Variety	Yield (lb DM/acre)			
	July 21	Aug. 15	Sep. 24	Total
Red River	1544*	0	0	1544
Quick n' Big	2926*	1553	649	5129
PROMAX	2587*	3185*	3668*	9440*
MS202BMR	1343*	2900*	3258*	7501*
FSG208BMR	1864*	3068*	3527*	8460*
Greengrazer	1657*	2194	2242	6094
Dessie	2629*	2275	1385	6290
Tiffany	1919*	2473*	1417	5810
LSD (P=.05)	1828	791	818	2339
CV (%)	50	20	23	21

* yielded statistically the same as the top yielding variety

Table 3. Variety Information

Variety	Supplier	Commercially Available
Red River crabgrass	Elstel Seeds	Yes
Quick n' Big crabgrass	Elstel Seeds	Yes
PROMAX Sudangrass	AMPAC Seed	Yes
MS202BMR sorghumxSudan	Allied Seed	Yes
Greengrazer sorghumxSudan	Allied Seed	Yes
FSG208BMR sorghumxSudan	Allied Seed	Yes
Dessie Teff grass	Allied Seed	Yes
Tiffany Teff grass	Target Seed LLC	Yes

This and other useful forage information can be found at the University of Tennessee forages web site.

<http://forages.tennessee.edu/>