

2013 Warm-Season Annual Grass Report

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.

Table 1: 2013 Yield of warm-season annual grass varieties at the East Tennessee Research and Education Center at Knoxville.

Variety	Species	Knoxville		
		Yield (ton DM/acre)		
		Jul 17	Aug 29	Total
FSG208 BMR	Sorghum x Sudangrass	5.49*	2.28*	7.77*
FSG214 BMR	Sorghum x Sudangrass	5.74*	3.92*	9.66*
Greengrazer V	Sorghum x Sudangrass	4.26*	3.54*	7.80*
SS1302	Sorghum x Sudangrass	2.68	2.96*	5.63
SS1304	Sorghum x Sudangrass	2.58	3.61*	6.19
FS1372	Forage Sorghum	2.61	3.25*	5.86
FS1374	Forage Sorghum	2.60	2.34*	4.94
FS1378	Forage Sorghum	3.79	3.32*	7.11*
NFCG07-1	Crabgrass	3.02	2.48*	5.50
Red River	Crabgrass	2.18	2.25*	4.43
Dessie	Teffgrass	2.06	0.00	2.06
Moxie	Teffgrass	1.41	1.36	2.77
Stallion	Teffgrass	1.65	2.59*	4.25
LSD P=0.05		1.87	1.78	3.02
* yielded statistically the same as the top-yielding variety				
Nitrogen application: 60 lb/ acre at planting, 60 lb/acre after first harvest				
Planted May 16, 2013				

Table 2: Variety Information

Variety	Species	Supplier	Available
FSG208 BMR	Sorghum x Sudangrass	Allied Seed	Yes
FSG214 BMR	Sorghum x Sudangrass	Allied Seed	Yes
Greengrazer V	Sorghum x Sudangrass	Allied Seed	Yes
SS1302	Sorghum x Sudangrass	TN Farmers Co-Op	No
SS1304	Sorghum x Sudangrass	TN Farmers Co-Op	No
FS1372	Hybrid Forage Sorghum	TN Farmers Co-Op	No
FS1374	Hybrid Forage Sorghum	TN Farmers Co-Op	No
FS1378	Hybrid Forage Sorghum	TN Farmers Co-Op	No
NFCG07-1	Crabgrass	Noble Foundation	No
Red River	Crabgrass	Noble Foundation	Yes
Dessie	Teffgrass	Allied Seed	Yes
Moxie	Teffgrass	Barenbrug USA	Yes
Stallion	Teffgrass	Allied Seed	Yes

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

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