



2012 Bermudagrass Report

Research Report 13-7

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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: Yield of bermudagrass varieties at the East Tennessee Research and Education Center at Knoxville.

Variety	Yield (ton DM/acre)				
	2011 Total	2012			2 Year Total
		May 27	Aug 2	Total	
Vaughn's #1	5.79*	2.02*	3.27*	5.29*	11.08*
Midland 99	5.67*	1.81*	2.97	4.78*	10.45*
Cheyenne II	5.85*	1.69*	2.82	4.50	10.35*
Mohawk	5.23*	1.46	3.02	4.48	9.71
Wrangler	5.40*	1.81*	3.21*	5.02*	10.42*
JSC 0207	5.85*	1.57	3.40*	4.97*	10.81*
JSC 1207	5.20*	1.98*	2.91	4.89*	10.09*
LSD P=.05	0.69	0.39	0.31	0.58	1.05
CV %	9	15	7	8	7
* yielded statistically the same as the top-yielding variety					
Nitrogen Application: 100 lb/acre at green-up and 100 lb/acre after each harvest					
Planted June 9, 2009					

Table 2: Yield of bermudagrass varieties at the Highland Rim Research and Education Center at Springfield.

Variety	Yield (ton DM/acre)				
	2011 Total	2012			2 Year Total
		Jul 6	Aug 14	Total	
Vaughn's #1	5.96*	2.70*	1.14*	3.83*	9.79*
Cheyenne II	5.96*	3.15*	1.12*	4.27*	10.22*
Mohawk	4.08	3.30*	1.20*	4.50*	8.58*
Wrangler	4.61	3.09*	1.18*	4.27*	8.88*
LSD P=.05	0.91	1.21	0.39	1.37	1.91
CV %	15	27	24	23	16
* yielded statistically the same as the top-yielding variety					
Nitrogen Application: 100 lb/acre at green-up and 100 lb/acre after each harvest					
Planted June 9, 2009					

Table 3: Variety Information

Variety	Supplier	Commercially Available
Vaughn's #1	Vaughn's Bermudagrass	Yes
Midland 99	Various	Yes
Cheyenne II	Pennington Seed	Yes
Mohawk	Pennington Seed	Yes
Wrangler	Johnston Seed	Yes
JSC 0207	Johnston Seed	Yes
JSC 1207	Johnston Seed	Yes

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

<http://forages.tennessee.edu>