



2009 Cool-Season Annual Grass Report

Research Report 10-8

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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. The data in the following tables were determined using plot design and experimental techniques. This study was conducted using a randomized complete block design with 3 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 cool-season annual grass varieties at the Research and Education Center at Greeneville.

Variety	Yield ton DM/acre				
	2009				
	Mar 6	Apr 28	Jun 3	Jul 7	Total
06-B LH annual ryegrass	0.00	1.31*	2.25*	0.76*	4.32*
Marshall annual ryegrass	0.22*	1.75*	2.29*	0.00	4.27*
PSG 29 BF 06 annual ryegrass	0.00	1.51*	1.86*	1.04*	3.99*
ME-4 annual ryegrass	0.20*	1.67*	1.83*	0.00	3.71*
ME-94 annual ryegrass	0.09	1.55*	1.94*	0.00	3.58*
Jackson annual ryegrass	0.00	1.42*	1.66*	0.00	3.09
Grazer annual ryegrass	0.00	1.42*	1.59	0.00	3.00
Passerel Plus annual ryegrass	0.00	1.05	1.73*	0.00	2.78
TAMTBO annual ryegrass	0.00	0.78	1.93*	0.00	2.71
TXR-2006-T22 annual ryegrass	0.00	1.05*	1.26	0.00	2.32
DH-3 annual ryegrass	0.00	0.46	1.27	0.00	2.15
Vendure annual ryegrass	0.00	0.00	0.71	0.00	0.71
LSD P=.05	0.08	0.70	0.68	0.38	1.02
CV %	111	35	23	149	19
* yielded statistically the same as the top-yielding variety					
Nitrogen Application: 45 lb/ acre at planting, 30 lb/acre spring cut					
Planted September 22, 2008					

Table 2: Variety Information

Variety	Supplier	Commercially Available
DH-3 annual ryegrass	Allied Seed	Yes
TAMTBO annual ryegrass	Oregro Seed	Yes
Passerel Plus annual ryegrass	Pennington Seed	Yes
06-B LH annual ryegrass	PickSeed USA Inc.	No
PSG 29 BF06 annual ryegrass	PickSeed USA Inc.	No
Vendure annual ryegrass	Smith Seed	Yes
TXR-2006-T22 annual ryegrass	Texas Agrilife Research	No
Marshall annual ryegrass	The Wax Company	Yes
ME4 annual ryegrass	The Wax Company	No
ME-94 annual ryegrass	The Wax Company	No
Jackson annual ryegrass	The Wax Company	Yes
Grazer annual ryegrass	University of Georgia	Yes

This and other useful information can be found on the University of Tennessee Forages Web site.

<http://forages.tennessee.edu>