



2011 Cool-Season Annual Grass Report

Research Report 12-5

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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 cool-season annual grass varieties at the Research and Education Center at Greeneville.

Variety	Species	Yield (ton DM/acre)		
		Apr 19	May 24	Total
Bruiser	Annual Ryegrass	3.81*	2.08*	5.88*
Feast II	Annual Ryegrass	2.63	1.80	4.42
FLX-1995	Annual Ryegrass	3.05	2.06*	5.12*
Bulldog Grazer	Annual Ryegrass	2.95	2.12*	5.07*
Jumbo	Annual Ryegrass	3.46	2.22*	5.67*
IS-LWT 15	Annual Ryegrass	3.48	2.47*	5.95*
DH-3	Annual Ryegrass	3.73	1.79	5.52*
Fria	Annual Ryegrass	3.38	2.26*	5.64*
Wintermore	Annual Ryegrass	3.74	2.12*	5.86*
07-EW	Annual Ryegrass	3.40	2.03*	5.43*
07-WW	Annual Ryegrass	3.73	1.46	5.19*
Diamond T	Annual Ryegrass	3.55	2.53*	6.09*
Flying A	Annual Ryegrass	3.78*	1.56	5.34*
TAMTBO	Annual Ryegrass	2.83	2.78*	5.61*
Winter Hawk	Annual Ryegrass	3.60	1.88	5.48*
Passerel Plus	Annual Ryegrass	3.07	1.98*	5.05*
07-2AR	Annual Ryegrass	3.42	2.88*	6.30*
Aubade	Annual Ryegrass	2.78	2.79*	5.57*
Max	Annual Ryegrass	2.88	1.88	4.76
PS-AR-09-1	Annual Ryegrass	2.95	2.28*	5.23*
PS-LM-09-2	Annual Ryegrass	2.97	2.72*	5.68*
TXR2008-T3	Annual Ryegrass	3.17	2.10*	5.27*
Jackson	Annual Ryegrass	3.75*	2.05*	5.80*
Marshall	Annual Ryegrass	3.89*	2.30*	6.19*
ME-4	Annual Ryegrass	3.97*	2.47*	6.44*

ME-94	Annual Ryegrass	3.57	1.78	5.35*
Nelson	Annual Ryegrass	3.21	1.90*	5.11*
LHT-102	Annual Ryegrass	1.93	2.70*	4.64
GRA-A510	Annual Ryegrass	2.94	2.06*	5.00
NF 27	Oats	3.59	0.87	4.46
NF95418	Oats	3.47	2.02*	5.49*
FFR 76/30	Oats	2.36	1.36	3.72
Bates RS4	Rye	4.53*	0.69	5.22*
Winter Magic	Rye	4.66*	0.71	5.36*
NF95134A	Wheat	4.35*	0.26	4.61
NF96131	Wheat	3.81*	0.16	3.97
Cardinal	Wheat	3.56	0.46	4.03
	LSD P=.05	0.91	0.99	1.41
	CV %	16	32	16
* yielded statistically the same as the top-yielding variety				
Nitrogen application: 45 lb/ acre at planting, 60 lb/acre at green-up, 30 lb/acre after first cut				
Planted October 8, 2010				

Table 2: Variety Information

Variety	Supplier	Species	Commercially Available
Bruiser	AMPAC Seed	Annual Ryegrass	Yes
Feast II	AMPAC Seed	Annual Ryegrass	No
FLX-1995	AMPAC Seed	Annual Ryegrass	Yes
Bulldog Grazer	Athens Seed	Annual Ryegrass	Yes
Jumbo	Barenbrug Seed	Annual Ryegrass	Yes
IS-LWT 15	DLF International Seeds	Annual Ryegrass	No
DH-3	Allied Seed	Annual Ryegrass	No
Fria	Farm Science Genetics	Annual Ryegrass	Yes
Wintermore	Allied Seed	Annual Ryegrass	Yes
07-EW	Oregro Seed	Annual Ryegrass	No
07-WW	Oregro Seed	Annual Ryegrass	No
Diamond T	Oregro Seed	Annual Ryegrass	Yes
Flying A	Oregro Seed	Annual Ryegrass	Yes
TAMTBO	Allied Seed	Annual Ryegrass	Yes
Winter Hawk	Oregro Seed	Annual Ryegrass	Yes
Passerel Plus	Pennington Seed	Annual Ryegrass	Yes
07-2AR	Pickseed USA	Annual Ryegrass	No
Aubade	Various	Annual Ryegrass	Unknown
Max	Various	Annual Ryegrass	Unknown
PS-AR-09-1	Pickseed USA	Annual Ryegrass	No
PS-LM-09-2	Pickseed USA	Annual Ryegrass	No
TXR2008-T3	Texas Agrilife Research	Annual Ryegrass	No
Jackson	Wax Seed	Annual Ryegrass	Yes
Marshall	Wax Seed	Annual Ryegrass	Yes
ME-4	Wax Seed	Annual Ryegrass	No

ME-94	Wax Seed	Annual Ryegrass	No
Nelson	Texas Agrilife Research	Annual Ryegrass	Yes
LHT-102	AMPAC Seed	Intermediate Ryegrass	No
GRA-A510	AMPAC Seed	Italian Ryegrass	No
NF 27	Noble Foundation	Oats	No
NF95418	Noble Foundation	Oats	No
FFR 76/30	Tennessee Farmers Co-Op	Oats	Yes
Bates RS4	Noble Foundation	Rye	No
Winter Magic	Tennessee Farmers Co-Op	Rye	Yes
NF95134A	Noble Foundation	Wheat	No
NF96131	Noble Foundation	Wheat	No
Cardinal	Various	Wheat	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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