

## 2013 Cool-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 cool-season annual grass varieties at the Research and Education Center in Greeneville.**

Variety	Species	Greeneville			
		Yield (ton DM/acre)			
		Apr 9	May 13	Jun 20	Total
AMP	Ryegrass	1.41	2.13	2.58*	6.11
Bates RS4	Rye	0.99	1.95	2.67*	5.61
DH-3	Ryegrass	0.27	1.84	2.72*	4.84
Fria	Ryegrass	1.13	2.29*	2.64*	6.07
Hercules	Ryegrass	1.45	2.47*	2.65*	6.57
Jackson	Ryegrass	1.30	2.37*	2.92*	6.59
Jumbo	Ryegrass	1.33	2.37*	2.93*	6.63
LWT 13	Ryegrass	1.52	2.31*	2.82*	6.64
LWT 14	Ryegrass	1.32	2.10	2.55*	5.96
M2 CVS	Ryegrass	2.27*	2.29*	2.41*	6.96
Marshall	Ryegrass	2.42*	2.78*	3.06*	8.26*
ME-4	Ryegrass	1.97*	2.01	2.98*	6.96
ME-94	Ryegrass	1.75	2.16	2.87*	6.78
Nelson	Ryegrass	1.34	2.47*	2.96*	6.76
Passerel Plus	Ryegrass	0.63	2.15	2.51*	5.28
SBA-22	Ryegrass	0.98	2.42*	2.57*	5.97
TAMTBO	Ryegrass	1.05	2.04	2.99*	6.08
Winterhawk	Ryegrass	1.80	2.17*	2.58*	6.56
LSD P=0.05		0.61	0.61	0.73	1.04
* 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					
Planted October 15, 2012					

**Table 2: Variety Information**

<b>Variety</b>	<b>Species</b>	<b>Supplier</b>	<b>Available</b>
AMP	Ryegrass	Columbia Seeds	No
Bates RS4	Rye	Athens Seed Company	Yes
DH-3	Ryegrass	Tennessee Farmers Cooperative	Yes
Fria	Ryegrass	Allied Seed	Yes
Hercules	Ryegrass	Barenbrug USA	Yes
Jackson	Ryegrass	The Wax Company	Yes
Jumbo	Ryegrass	Barenbrug USA	Yes
LWT 13	Ryegrass	DLF International Seeds	No
LWT 14	Ryegrass	DLF International Seeds	No
M2 CVS	Ryegrass	The Wax Company	No
Marshall	Ryegrass	The Wax Company	Yes
ME-4	Ryegrass	The Wax Company	No
ME-94	Ryegrass	The Wax Company	No
Nelson	Ryegrass	The Wax Company	Yes
Passerel Plus	Ryegrass	Pennington Seed	Yes
SBA-22	Ryegrass	Saddle Butte Ag Inc.	No
TAMTBO	Ryegrass	Oregro Seeds	Yes
Winterhawk	Ryegrass	Oregro Seeds	Yes

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

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