

2014 Cool-Season Annual Grass Variety Trial

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: 2014 Yield of cool-season annual grass varieties at the Plateau Research and Education Center at Crossville.

Variety	Species	Crossville			
		Yield (ton DM/acre)			
		Apr 24	May 22	Jun 20	Total
Amp	ryegrass	1.81	1.47*	0.72	4.00
Big Boss	ryegrass	1.36	1.27	0.66	3.29
CCBO1	winter oats	0.94	1.21	0.67	2.82
Cosaque	winter oats	1.00	1.39*	0.55	2.95
DH-3	ryegrass	1.80	1.26	0.73	3.79
Dyna-Gain	ryegrass	2.14*	1.47*	0.68	4.29*
Ed	ryegrass	1.95*	1.32*	0.85*	4.12
Fria	ryegrass	2.17*	1.45*	0.78	4.40*
Jackson	ryegrass	2.02*	1.44*	0.93*	4.39*
Jumbo	ryegrass	1.03	1.11	0.72	2.85
M2CVS	ryegrass	1.79	1.68*	0.95*	4.42*
Marshall	ryegrass	1.82	1.51*	0.98*	4.33*
ME-4	ryegrass	2.38*	1.57*	0.95*	4.91*
ME-94	ryegrass	2.21*	1.36*	0.93*	4.51*
Nelson	ryegrass	1.87	1.32*	0.83*	4.02
Passerel Plus	ryegrass	1.79	1.03	0.73	3.55
TAMTBO	ryegrass	1.62	1.34*	1.07*	4.02
Winterhawk	ryegrass	1.81	1.42*	0.88*	4.11
LSD P=0.05		0.49	0.39	0.28	0.76
* 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 September 27, 2013					

Table 2: Variety Information

Variety	Species	Supplier	Commercially Available
Amp	ryegrass	Columbia Seeds	Yes
Big Boss	ryegrass	Smith Seed Services	Yes
CCBO1	winter oats	Caldbeck	No
Cosaque	winter oats	Caldbeck	Yes
DH-3	ryegrass	Tennessee Farmers Co-Op	Yes
Dyna-Gain	ryegrass	Columbia Seeds	Yes
Ed	ryegrass	Smith Seed Services	Yes
Fria	ryegrass	Tennessee Farmers Co-Op	Yes
Jackson	ryegrass	The Wax Company	Yes
Jumbo	ryegrass	Barenbrug USA	Yes
M2CVS	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
TAMTBO	ryegrass	Oregro Seeds, Inc	Yes
Winterhawk	ryegrass	Oregro Seeds, Inc	Yes

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

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