



2012 Red Clover Report

Research Report 13-11

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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: 2012 yield of red clover varieties at the Research and Education Center at Greeneville.

Variety	Yield ton DM/acre			
	2012			
	May 1	May 29	Jul 25	Total
Dynamite	1.05*	2.23*	1.11*	4.39*
Rustler	1.24*	2.13*	0.93	4.31*
Cinnamon Plus	0.48*	1.91*	1.08	3.47*
Emarwan	0.16	1.53	1.05	2.75
RC401	0.83*	1.84*	1.43*	4.10*
LSD P=.05	0.76	0.41	0.32	1.14
CV %	66	14	19	20
* yielded statistically the same as the top-yielding variety				
Planted September 9, 2011				

Table 2: Variety Information

Variety	Supplier	Commercially Available
Dynamite	Grassland Oregon	Yes
Rustler	Oregro Seeds Inc.	Yes
Cinnamon Plus	Tennessee Farmers Co-Op	Yes
Emarwan	Rose Agriseed	Yes
RC401	FFR Cooperative	No

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

<http://forages.tennessee.edu>