



## 2009 Red Clover Report

### Research Report 10-7

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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 red clover varieties at the East Tennessee Research and Education Center in Knoxville.**

Variety	Yield (ton DM/acre)			
	2009			
	Mar 17	Jun 12	Jul 20	Total
CW40040	0.89*	2.82*	1.74*	5.44*
Cinnamon Plus	1.09*	2.61*	1.59*	5.29*
CW202	0.98*	2.65*	1.60*	5.23*
Plus II	0.87*	2.63*	1.48*	4.98*
Renegade	0.82*	2.52*	1.64*	4.97*
Red Gold	0.71	3.00*	1.16	4.87*
FLMD	0.88*	2.17	1.62*	4.67
Starfire II	0.88*	2.33	1.37*	4.58
LSD (P=.05)	0.36	0.59	0.41	0.72
CV (%)	26	14	17	9
* yielded statistically the same as the top-yielding variety				
Planted March 11, 2008				

**Table 2: Yield of red clover varieties at the Highland Rim Research and Education Center in Springfield.**

Variety	Yield (ton DM/acre)			
	2009			
	Apr 15	May 27	Jul 9	Total
Cinnamon Plus	1.11*	1.08*	1.69*	3.88*
CW202	0.99	1.02*	1.69*	3.70*
Renegade	1.26*	0.87*	1.48	3.61*
CW40040	1.04	0.97*	1.55*	3.57*
Starfire II	0.90	0.90*	1.60*	3.40
Plus II	0.99	0.85	1.53*	3.37
Red Gold	0.96	0.93*	1.38	3.29
FLMD	0.94	0.84	1.30	3.07
Freedom	0.76	0.88*	1.25	2.89
LSD (P=.05)	0.21	0.22	0.56	0.33
CV (%)	12	13	7	5
* yielded statistically the same as the top-yielding variety				
Planted March 13, 2008				

**Table 3: Variety Information**

Variety	Supplier	Commercially Available
Cinnamon Plus	Allied Seed	Yes
Plus II	Allied Seed	Yes
Starfire II	AMPAC Seed	Yes
FLMD	Barenbrug	Yes
Freedom	Barenbrug	Yes
CW202	Cal West/Producer's Choice	No
CW40040	Cal West/Producer's Choice	No
Renegade	DLF International Seeds	Yes
Red Gold	Pro Seeds	Yes

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

**<http://forages.tennessee.edu>**