



## 2010 Red Clover Report

### Research Report 11-6

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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: 2010 yield of red clover varieties at the Research and Education Center at Greeneville, and the East Tennessee Research and Education Center in Knoxville.**

Variety	Yield (ton DM/acre)					
	Greeneville			Knoxville		
	May 11	Jun 17	Total	May 10	Jun 18	Total
Ga-9908	2.87*	1.21*	4.08*	2.13*	1.06*	3.19*
Emerald	2.81*	1.09	3.90*	1.95*	1.12*	3.07*
Cinnamon Plus	2.86*	1.10*	3.96*	1.94*	1.05*	2.99*
CW 30091	2.64*	1.10*	3.74*	2.17*	0.93*	3.10*
PGI 33	2.72*	1.07	3.79*	1.78	1.12*	2.91*
RC9703	2.72*	1.04	3.76*	1.85	1.04*	2.89*
Freedom!	3.00*	1.32*	4.32*	1.90*	1.14*	3.04*
CW202	2.72*	1.15*	3.87*	1.86	1.11*	2.97*
FLMD	2.66*	1.37*	4.03*	1.99*	1.08*	3.07*
Freedom!MR	2.82*	1.24*	4.06*	2.28*	1.04*	3.32*
LSD P=.05	0.55	0.28	0.67	0.41	0.22	0.57
CV %	12	14	10	12	12	11
* yielded statistically the same as the top-yielding variety						
Planted in September 30, 2009						

**Table 2: Total yield of red clover varieties for 2008-2009 at the Highland Rim Research and Education Center, Springfield, and the East Tennessee Research and Education Center, Knoxville.**

Variety	Yield (ton DM/acre)			
	Springfield		Knoxville	
	2008	2009	2008	2009
CW40040	1.57*	3.57*	2.05	5.44*
Cinnamon Plus	1.28	3.88*	1.95	5.29*
CW202	1.45*	3.70*	2.01	5.23*
Freedom	1.46*	3.07	N/A	N/A
FLMD	1.37*	2.89	2.26*	4.67
Plus II	1.47*	3.37	1.85	4.98*
Red Gold	1.32*	3.29	1.61	4.87*
Renegade	1.70*	3.61*	2.66*	4.97*
Starfire II	1.35*	3.40	1.63	4.58
LSD P=.05	0.35	0.33	0.50	0.72
CV %	14	5	16	9
* yielded statistically the same as the top-yielding variety				
Knoxville Planted March 11, 2008				
Springfield 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
Freedom!	Barenbrug Seed Company	Yes
FLMD	Barenbrug Seed Company	Yes
Freedom!MR	Barenbrug Seed Company	Yes
CW202	Cal West/Producer's Choice	No
CW40040	Cal West/Producer's Choice	No
Emerald	Cal West/Producer's Choice	Yes
CW 30091	Cal West/Producer's Choice	No
Renegade	DLF International Seeds	Yes
Red Gold	Pro Seeds	Yes
RC9703	Lewis Seed Company	No
PGI 33	Producer's Choice Seeds	Yes
Ga-9908	Athens Seed Company	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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