



2012 White Clover Report

Research Report 13-12

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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 white clover varieties at the Research and Education Center at Greeneville.

| Variety | Yield ton DM/acre | | |
|--|-------------------|--------|-------|
| | 2012 | | |
| | May 1 | May 29 | Total |
| Ivory II | 0.80* | 1.23* | 2.03* |
| Ocoee | 0.81* | 1.15* | 1.97 |
| Will | 1.32* | 1.29* | 2.61* |
| GC124 | 0.93* | 1.18* | 2.11* |
| Kopu II | 0.98* | 1.21* | 2.19* |
| WBDX | 0.97* | 0.61 | 1.58 |
| KY Select | 1.18* | 1.04 | 2.22* |
| NFWCO4-29 | 1.18* | 1.28* | 2.46* |
| NFWCO4-49 | 1.20* | 1.15* | 2.35* |
| Companion | 0.86* | 1.16* | 2.02* |
| Rampart | 0.89* | 1.39* | 2.27* |
| GA-178 | 1.15* | 1.26* | 2.42* |
| TXWC-05 | 1.26* | 1.30* | 2.56* |
| Barblanca | 0.85* | 0.99 | 1.84 |
| LSD P=.05 | 0.44 | 0.25 | 0.54 |
| CV % | 31 | 16 | 18 |
| * yielded statistically the same as the top-yielding variety | | | |
| Planted September 8, 2011 | | | |

Table 2: Variety Information

| Variety | Supplier | Commercially Available |
|----------------|-------------------------|-------------------------------|
| Ivory II | DLF International Seeds | Yes |
| Ocoee | Tennessee Farmers Coop | Yes |
| Will | Tennessee Farmers Coop | Yes |
| GC124 | AMPAC Seed | No |
| Kopu II | AMPAC Seed | Yes |
| WBDX | Saddle Butte Ag Inc. | Yes |
| KY Select | Saddle Butte Ag Inc. | Yes |
| NFWCO4-29 | Noble Foundation | No |
| NFWCO4-49 | Noble Foundation | No |
| Companion | Oregro Seeds Inc. | Yes |
| Rampart | Oregro Seeds Inc. | Yes |
| GA-178 | University of Georgia | No |
| TXWC-05 | Texas Agrilife Research | No |
| Barblanca | Barenbrug USA | Yes |

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

<http://forages.tennessee.edu>