Produced or Purchased: Why should I test my forage?

- Maximize production, minimize cost.
- Forage testing provides valuable nutrition information used to formulate rations.
- Having your forages tested helps determine fair market value and an equitable price.
- Testing forages helps you compare forage quality year-to-year.

How do I get my forage tested?

- Call 800-248-4628 for an appointment.
- Trained staff will visit your property and collect forage samples.
- A nominal fee is payable at collection.
- Forages for sale are visually evaluated.
- Forage samples are analyzed at the Frankfort laboratory.
- Results are mailed to the owner and your county Agricultural Agent.
- Kentucky-produced forages for sale are listed on the KDA web page.

Call (800) 248-4628 to make an appointment

Forage Testing Program

Testing Hay and Haylages

- Know the true quality of your forage
- Balance your livestock’s ration
- View and list forages for sale online

JAMES R. COMER, Commissioner
WHAT WILL I LEARN BY TESTING MY FORAGE?

Sample Analysis Report

<table>
<thead>
<tr>
<th>AS RECEIVED (%)</th>
<th>DRY MATTER (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture</td>
<td>8.0</td>
</tr>
<tr>
<td>Dry Matter</td>
<td>92.0</td>
</tr>
<tr>
<td>RUP %, DM %</td>
<td>8.3</td>
</tr>
<tr>
<td>Crude Protein</td>
<td>20.7</td>
</tr>
<tr>
<td>RUP %, CP %</td>
<td>37.1</td>
</tr>
<tr>
<td>Heat Damaged Protein</td>
<td>0.9</td>
</tr>
<tr>
<td>Available Protein</td>
<td>20.7</td>
</tr>
<tr>
<td>Dig. Protein Est. %</td>
<td>14.2</td>
</tr>
<tr>
<td>ADF (Acid Detergent Fiber) %</td>
<td>30.1</td>
</tr>
<tr>
<td>NDF (Neutral Detergent Fiber) %</td>
<td>41.0</td>
</tr>
<tr>
<td>TDF Est. %</td>
<td>56.0</td>
</tr>
<tr>
<td>TDN, Horse</td>
<td>53.3</td>
</tr>
<tr>
<td>ENE EST., THERMS/CWT</td>
<td>46.7</td>
</tr>
<tr>
<td>NE/LACT, MCAL/LB</td>
<td>0.57</td>
</tr>
<tr>
<td>NE/MAINT, MCAL/LB</td>
<td>0.56</td>
</tr>
<tr>
<td>NE/GAIN, MCAL/LB</td>
<td>0.32</td>
</tr>
<tr>
<td>RFV (Relative Feed Value)</td>
<td>132.34</td>
</tr>
</tbody>
</table>

DM (Dry Matter) - the percentage of feed after subtracting water.

RUP (Rumen Undegradable Protein) - Protein fed to cows that escapes degradation to single amino acids and ammonia by the rumen bacteria.

CP (Crude Protein) - a mixture of true protein and non-protein nitrogen.

ADF (Acid Detergent Fiber) - the portion of forage that is highly indigestible.

NDF (Neutral Detergent Fiber) - the portion of forage only partially digestible. Limits intake. The lower the NDF, the more an animal will eat. A low NDF is desirable.

TDN (Total Digestible Nutrients) - the digestible components of fiber, protein, fat, and nitrogen-free extract in the diet.

RFV (Relative Feed Value) - combines the digestibility and potential intake of a forage into one number which increases as forage quality increases.

KDA’s Forage Testing Program follows standards outlined by the NATIONAL FORAGE TESTING ASSOCIATION (NFTA).

Buy and Sell Kentucky forages on the KDA website

Visit www.kyagr.com, and in the top right corner click “Promotional Programs.”

In the drop-down menu, click on “Forage/Hay Testing.”

Under “Program Links,” click “Tested Hay/Forage Sales Directory.” The directory sorts reports by type of hay, bale size, or county.

A Sample Report:

KIM FIELD 1234 ROUND BALE RD HAYSVILLE, KY 40123 (555) 555-5555

Hay Crop Type: ALF-ORCHARD

Lot No.: 304-296-019-10 Color: GREEN CP(%): 22.5
Cutting Date: 7/28/2010 Odor: FRESH RUP(%)/CP(%): 40.3
Cutting #: 3 Leaf Retention: 75-90% ADF(%): 32.8
Bale Size: 14X18X36 Mold: NONE NDF(%): 44.5
# Bales: 2800 bales Wgt: 60 lbs/bale Rain Damage: NO
RFV: 132.34 TDN(%): 60.9 TDN-Horse(%): 57.9

Kimberly Field (502) 573-0413 kimberly.field@ky.gov
Jim Wade (270) 776-2172 jim.wade@ky.gov

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