



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.

Call

(800) 248-4628

to make an appointment



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.

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



**Kentucky
Department
of Agriculture**

JAMES R. COMER, Commissioner

WHAT WILL I LEARN BY TESTING MY FORAGE?

Sample Analysis Report

	AS RECEIVED BASIS	DRY MATTER BASIS
Moisture, %	8.0	0.0
Dry Matter, %	92.0	100.0
RUP % , DM %	8.3	9.1
Crude Protein, %	20.7	22.5
RUP % , CP %	37.1	40.3
Heat Damaged Protein, %	0.9	1.0
Available Proten, %	20.7	22.5
Dig. Protein Est., %	14.2	15.4
ADF (Acid Detergent Fiber), %	30.1	32.8
NDF (Neutral Detergent Fiber), %	41.0	44.5
TDN Est., %	56.0	60.9
TDN, Horse	53.3	57.9
ENE EST., THERMS/CWT	46.7	50.8
NE/LACT, MCAL/LB	0.57	0.61
NE/MAINT, MCAL/LB	0.56	0.61
NE/GAIN, MCAL/LB	0.32	0.35
RFV (Relative Feed Value)	132.34	

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

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