

# Selling **FORAGES**

With the KDA's Forage Sales Directory, producers can post their forages for sale, and livestock producers can locate forages available for sale. Producers can search the Forage Sales Directory/Tested Hay by county, relative feed value (RFV) range, bale size, and type of forage.

The Hay Hotline is activated as needed in times of hay shortages. (502) 782-4136.

[kyagr.com/marketing/hay-hotline.html](http://kyagr.com/marketing/hay-hotline.html)

## Buy and sell Kentucky forages on KDA's website

- 1** Visit [kyagr.com](http://kyagr.com), and hover your pointer over "Plant" on the white top bar.
- 2** In the green bar that appears, click on "Forage/Hay Testing."
- 3** On the next page, on the list on the right, under "Program Pages," click "Forage Sales Directory / Tested Hay."
- 4** Enter your search terms.

[kyagr.com/  
marketing/Forage-  
Program.html](http://kyagr.com/marketing/Forage-Program.html)

# Forage **STANDARDS**

The KDA Forage Testing Program follows standards outlined by the National Forage Testing Association (NFTA).



## Sampling **HAY**

KDA recommends Producers and County Extension agents complete a free one-hour course, "How To Take a Good Hay Sample," provided by NFTA, to ensure that samples are properly collected. The training is available online at [foragetesting.org](http://foragetesting.org), by clicking the "Certified Sampler" tab.

**More information:**  
**Kimberly Field**  
**(502) 782-9210**  
**[kimberly.field@ky.gov](mailto:kimberly.field@ky.gov)**



**Kentucky Department of Agriculture**  
**[kyagr.com](http://kyagr.com)**  
Ryan F. Quarles, Commissioner

# FORAGE TESTING

## Testing Hay and Haylages



# Kentucky **FORAGE**

# Testing **BENEFITS**

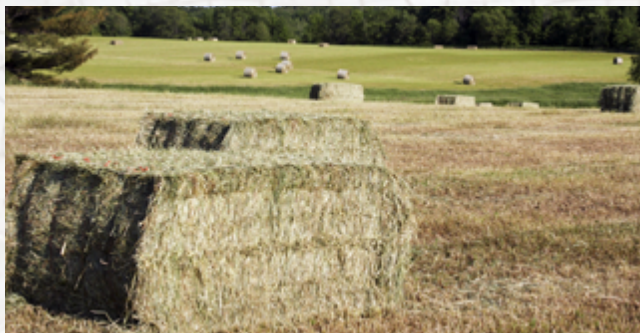
# Sample **ANALYSIS**

Forages are plant materials of grass, legume, or grain origin that are eaten by livestock.

## Get your forage tested

- Contact your Extension Agent to make an appointment to take samples, or submit your samples to KDA.
- Forage samples are analyzed at the Frankfort laboratory.
- Results are mailed to Recipient and County Extension Agent.
- Forages that are listed for sale will be visually evaluated.

Sample report shown below.



The Kentucky Department of Agriculture's (KDA's) Forage Testing Program provides nutritional value information for Kentucky producers.

This information helps livestock producers feed their animals a balanced ration.

Forage testing enables producers to determine the fair market value of their forages and compare the quality of their forages from year to year.

Whether raising forages to sell or to feed, forage testing can help producers minimize cost and maximize production.

	AS RECEIVED BASIS	DRY MATTER BASIS
Moisture, % . . . . .	14.49	0.00
Dry Matter, % . . . . .	85.51	100.00
Crude Protein, % . . . . .	19.28	22.55
Heat Damaged Protein, % . . . . .	0.50	0.58
Available Protein, % . . . . .	19.28	22.55
Dig Protein Est, % . . . . .	14.53	16.99
ADF (Acid Detergent Fiber), % . . . . .	26.79	31.33
NDF (Neutral Detergent Fiber), % . . . . .	32.67	38.21
TDN Est, % . . . . .	53.43	62.48
TDN, Horse, % . . . . .	50.64	59.23
ENE EST, THERMS/CWT . . . . .	44.75	52.33
NE/LACT, MCAL/LB . . . . .	0.54	0.63
NE/MAINT, MCAL/LB . . . . .	0.54	0.63
NE/GAIN, MCAL/LB . . . . .	0.32	0.37
RFV (Relative Feed Value) . . . . .	157.02	

### DM (Dry Matter)

Percentage of feed after subtracting water.

### CP (Crude Protein)

Mixture of true protein and non-protein nitrogen.

### ADF (Acid Detergent Fiber)

Portion of forage that is highly indigestible.

### NDF (Neutral Detergent Fiber)

Portion of forage that is only partially digestible. Limits intake. The lower the NDF, the more an animal will eat. A low NDF is desirable.

### TDN (Total Digestible Nutrients)

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.

## A Tested Sample Report

KIM FIELD	1234 ROUND BALE RD.	HAYSVILLE, KY 40123	(555) 555-5555
Crop Type: . . . ALF-ORCHARD	RFV: . . . . . 157.02	TDN(%): . . . . . 62.48	
Lot No.: . . . . 304-296-019-13	Color: . . . . . GREEN	CP(%): . . . . . 22.50	
Cutting Date: . . . . . 7/28/2015	Odor: . . . . . FRESH	ADF(%): . . . . . 31.33	
Cutting #: . . . . . 3	Leaf Retention: . . . . . 75-90%	NDF(%): . . . . . 38.21	
Bale Size: . . . . . 14X18X36	Mold: . . . . . NONE	Rain Damage: . . . . . NO	
# Bales: . . . . . 2800 bales	Wgt: . . . . . 60 lbs/bale	TDN-Horse (%): . . . . . 59.23	