

# Forage Submission Form

**Customer Information**

Name: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
County: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

Payment online at  
[tiny.utk.edu/sampleanalysis](http://tiny.utk.edu/sampleanalysis)

Payment in office: Credit card,  
check payable to University of  
TN, or exact cash.

OFFICE USE ONLY	
Amount Paid: \$ _____	Date: _____
Cash _____	Online Ag Store _____
Check #: _____	Receipt #: RWILL _____
POS _____	

Sample Name - (you pick this)	Hay, Silage, or Haylage	Species Codes- <i>See below</i>	Clovers* <i>Yes or No</i>	NIRS \$20.00	Minerals \$20.00	Nitrates \$10.00	Ensiled pH \$10.00	Lab ID #- <i>Office use only</i>

NIR + Minerals = \$40

***Species Codes- If not listed, please write in***

- |           |                 |           |                            |
|-----------|-----------------|-----------|----------------------------|
| <b>TF</b> | Tall Fescue     | <b>SG</b> | Small Grains               |
| <b>OG</b> | Orchardgrass    | <b>WA</b> | Warm-Season Annuals        |
| <b>BG</b> | Bermudagrass    | <b>LG</b> | Other Legumes              |
| <b>AR</b> | Annual Ryegrass | <b>MG</b> | Mixed Grasses              |
| <b>AL</b> | Alfalfa         | <b>NG</b> | Native Warm-Season Grasses |
| <b>CO</b> | Corn            |           |                            |

*\*Confirm if you have clovers in your forage sample*

# Forage Analysis Packages

For more information on how to use the Forage Submission Form, or how to submit a forage sample, please contact your local UT Extension office.

## NIRS- Near-Infrared Spectroscopy Analysis\*

**\$20**

Moisture- <i>as received</i>	Acid Detergent Fiber	(ADF)
Dry Matter (DM)- <i>as received</i>	Neutral Detergent Fiber	(NDF)
Ash	Lignin	
Crude Protein (CP)	<i>in-vitro</i> True DM Digestibility 48h	(IVTDMD48h)
Relative Forage Quality (RFQ)	Lysine	
Digestible Energy (DE)	Fructan	
Total Digestible Nutrients (TDN)	Starch	
Net-Energy for Maintenance (NE <sub>m</sub> )	Sugar	(ESC)
Net-Energy for Gain (NE <sub>g</sub> )	Water-Soluble Carbohydrates	(WSC)
Net Energy for Lactation (NE <sub>l</sub> )	Non-Structural Carbohydrates	(NSC)
Calcium (Ca)	Non-Fiber Carbohydrates	(NFC)
Phosphorus (P)		
Magnesium (Mg)		
Potassium (K)		

## Minerals- Wet Chemistry

**\$20**

Calcium	(Ca)
Phosphorus	(P)
Magnesium	(Mg)
Potassium	(K)
Sulfur	(S)
Copper	(Cu)
Zinc	(Zn)
Manganese	(Mn)
Iron	(Fe)
Boron	(B)

## Nitrates- Wet Chemistry

**\$10**

## Ensiled pH- Wet Chemistry

**\$7**

\*All values reported on 100% DM Basis, unless otherwise noted.