

Soil, Plant, and Pest Center

5201 Marchant Dr.
Nashville, TN 37211
615-832-5850 | SoilLab@Tennessee.edu

Forage Submission Form

2022



Name: _____

Address: _____

City: _____ State: _____ Zip: _____

County (sample is from): _____

Phone: _____

Email: _____

Print clearly

Amount: \$ _____ Date: ____ / ____ / ____

Cash _____ Receipt#: _____

Check#: _____ CC approval#: _____

Online order#: _____ Billed to: _____

Payment can be made on our website: SoilLab.Tennessee.edu

Make check to 'University of Tennessee'

Do not send cash in mail

Send at least 1/2 gallon, or more, of sample.

Write sample name and YOUR NAME on every sample bag.

NIRS + Minerals = \$37

Sample Name <i>(you give this)</i>	Hay, Silage, or Haylage	Species Codes <i>See below</i>	Clovers* <i>Yes or No</i>	NIRS \$17.00	Minerals \$20.00	Nitrates \$10.00	Ensiled pH \$7.00	Lab ID # <i>(We give this)</i>

Species Codes- If not listed, please write in

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

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

AG.TENNESSEE.EDU

The University of Tennessee Institute of Agriculture collects and summarizes forage sample data for research and extension education purposes. By submitting you, or your agent agree to this action. The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

Forage 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*	\$17	Minerals- Wet Chemistry	\$20
Moisture- <i>as received</i>	Acid Detergent Fiber (ADF)	Calcium (Ca)	
Dry Matter - <i>as received</i>	Neutral Detergent Fiber (NDF)	Phosphorus (P)	
Ash	Lignin	Magnesium (Mg)	
Crude Protein (CP)	<i>in-vitro</i> True DM Digestibility 48h (IVTDMD48h)	Potassium (K)	
Relative Forage Quality (RFQ)	Lysine	Sulfur (S)	
Digestible Energy (DE)	Fructan	Copper (Cu)	
Total Digestible Nutrients (TDN)	Starch	Zinc (Zn)	
Net-Energy for Maintenance (NE _m)	Sugar (ESC)	Manganese (Mn)	
Net-Energy for Gain Net (NE _g)	Water-Soluble Carbohydrates (WSC)	Iron (Fe)	
Energy for Lactation (NE _i)	Non-Structural Carbohydrates (NSC)	Boron (B)	
Calcium (Ca)	Non-Fiber Carbohydrates (NFC)		
Phosphorus (P)			
Magnesium (Mg)			
Potassium (K)			
		Nitrates- Wet Chemistry	\$10
		Ensiled pH- Wet Chemistry	\$7

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

Sampling

- **Hay** - Obtain samples from approximately 10 bales. Best samples are obtained using a core sampling probe. Check with your local UT Extension office about the availability of these samplers. For square bales, take one core from one end of each bale. For round bales, take a sample from each side of the bales. If grab samples are taken, be sure to obtain a representative sample as this method may not provide reliable results.
- **Silage or Haylage** - If haylage is in round bales, follow the same procedures as for round baled hay. If ensiled forage is chopped, then obtain 2-3 gallons of material from 5 to 15 places in the silo. For upright silos, run unloader and collect one sample per minute for several minutes. In both situations, mix all the collected material together, then fill 1/2 gallon sample bag with this mixture. Be sure to seal bag to ensure correct “*as received*” moisture determination.

Shipping

- If samples are wet, please make sure the *Forage Submission Form* and payment are outside of the sample bag.
- Mailing Address: Soil, Plant and Pest Center
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Nashville, TN 37211

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