



PLANT/FORAGE SAMPLE INFORMATION FORM

TEXAS AGRICULTURAL EXTENSION SERVICE

D-1116

THE TEXAS A&M UNIVERSITY SYSTEM

Soil, Water and Forage Testing Laboratory

Please submit this completed form and payment with samples. Mark each sample bag with your sample identification and ensure that it corresponds with the sample identification written on this form. *See sampling and mailing instructions on the back of this form.

(PLEASE DO NOT SEND CASH)

SUBMITTED BY:

Results will be mailed to this address **ONLY**

Name _____ County where sampled _____

Address _____ Phone _____

City _____ State _____ Zip _____

FOR:

(Optional-will not receive copy)

Name _____

Address _____

City _____ State _____ Zip _____

Payment (DO NOT SEND CASH)

- Check
- Money Order
- Government Account

Amount Paid \$ _____

Make checks payable to Soil Testing Laboratory

SAMPLE I.D.			SAMPLE INFORMATION (Required)		(See options listed below)
Laboratory # (For Lab Use)	Your Sample I.D.	Acreage Represented	Sample Type and Usage: <small>(Bermuda, Wheat, Pecan, etc.) (Feed, Hay, Silage or Plant Tissue)</small>	Livestock to be Fed: <small>Beef, Dairy, Horse, Goat, Etc.</small>	Requested Analyses
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Describe any specific problems you have observed or want to correct:

Please select one analysis group per sample:

Analysis for Forages/Feeds

- 1. Protein **\$5 per sample**
- 2. Protein and Nitrate in forage/feeds **\$10 per sample**
- 3. Protein + Minerals **\$15 per sample**
(P, K, Ca, Mg, Na, Zn, Fe, Cu, Mn)
- 4. Protein + Acid Detergent Fiber (ADF) **\$10 per sample**
(TDN and energy calculated)
- 5. Protein + Minerals + ADF **\$20 per sample**
- 6. Protein + Minerals + Boron + Sulfur **\$25 per sample**

- 7. Protein + Minerals + ADF + Boron + Sulfur **\$30 per sample**
- 8. *NIR Analysis* **\$10 per sample**

(Protein, Fiber, TDN, pure Bahia/Bermuda grass, alfalfa, and clovers only)

- 9. Nitrates in forage/feeds **\$5 per sample**

Analysis for Plant Tissue

- 10. Nitrate in plant tissues **\$5 per sample**
- 11. Total Nitrogen + Minerals **\$15 per sample**
- 12. Total Nitrogen + Minerals + B + S **\$25 per sample**

-----Available Services-----

Analyses are conducted on all feeding commodities including hay, pasture cubes, silage, green chop, mixed feeds and concentrates, as well as plant tissue samples and other plant materials (i.e., litter, composts or manure samples). *All samples are analyzed with the understanding that the results are **not** in any way associated with feed control regulations.*

Sample Collection

Field Sampling for Hay Production

- In 10 - 15 areas within a given location or field (not to exceed 40 acres), take 1 random subsample.
- Grasp a handful of the forage and **cut at normal haying height**.
- Combine all 10 - 15 subsamples and place into an appropriate paper sack or envelope (avoid using plastic bags, fertilizer bags, or feed sacks, as these containers may produce inaccurate results).
- Label sack or envelope with appropriate identification for field.

Field Sampling for Grazing Purposes

- Sample as described above but **cut at normal grazing height**

Sampling Bales

- Use a Penn State or similar hay probe to sample hay bales (grab samples from the edge of the bale often provide inaccurate results).
- Take one core per each 5 large round bales (1 subcore for each 100 small square bales). Combine all subsamples and mix thoroughly.
- Package and label as described above.
- If a probe is not available, carefully collect representative samples by hand. Cut hay into stem lengths of 3 inches or less, carefully preventing leaf loss.

Plant/Tissue Samples

- Collect approximately 25 leaves from representative plants.
- Rinse leaves with a 1% HCl solution and rinse with distilled water if foliar nutrient applications have been made..
- Allow leaves to air dry, then package and label as described above.
- If it is not possible to wash the leaves prior to sending, please indicate so that the leaves will be washed upon receipt.

Miscellaneous Samples

- Silage, manure and litter samples should be collected in sealable plastic bags.
- Liquid samples (i.e., lagoon or effluent samples) should be collected in plastic bottles with at least 50% headspace.
- Instructions on collection of these types of samples can be obtained from your local county agent.

NIR Analysis

- NIR analysis is valid only for pure bahia/bermuda grasses, alfalfa, and common clovers.
- NIR analysis data are valid for protein, acid and neutral detergent fiber, TDN, and energy values.

Shipping Samples

- Complete this information form
- Enclose completed information form and payment in package
- Verify payment check is made out to **Soil Testing Laboratory**.
- **DO NOT SEND CASH.**
- Address the letter and package to the following address:

**Extension Soil, Water and Forage Testing Laboratory
Texas A&M University
Soil and Crop Sciences
College Station, TX 77843-2474
(409) 845-4816**

For further information please contact your local County Extension Agent

Educational programs conducted by the Texas Agricultural Extension Service serve people of all ages regardless of socio-economic level, race, color, sex, religion, handicap or national origin.

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