TEXAS A&M AGRILIFE EXTENSION

Soil, Water and Forage Testing Laboratory
Department of Soil and Crop Sciences
Texas AgriLife Extension Service

P 21

PLANT/FORAGE SAMPLE INFORMATION FORM

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)

SUBMITTAL AND INVOICE INFORMATION: This information will be used for all official invoicing and communication. **Sheet ___ of ____**

Name ____ County where sampled ______________________

Mailing Address ________________________________ Phone ______________________________

City ______________________ State______ Zip _______ Email* ______________________________

CLIENT NAME: Client name only included on result reports.

Name ____

Lab Use only

Payment (DO NOT SEND CASH)

☐ Check/ Money Order (keep your M.O. receipt)

Amount Paid $____________________

Make Checks Payable to: **Soil Testing Laboratory**

☐ Prepayment on Aggie Marketplace Payment

Order Number____________________ $ amount________

☐ Extension of Credit-Bill, AG-257 on file

Samples will not be processed if payment is not received or a valid AG-257 is not on file with Texas A&M AgriLife Extension Service. See website for more information on form AG-257.

SAMPLE INFORMATION (Required) **(See options listed below)**

Laboratory # (For Lab Use)	**Your Sample I.D.**	**Sample Type and Usage:** (Bermuda, Wheat, Pecan, etc.)(Feed, Hay, Silage or Plant Tissue)	**Livestock to be Fed:** (Beef, Dairy, Horse, Goat, and etc.)	**Requested Analyses**
				☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 ☐11
				☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 ☐11
				☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 ☐11
				☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 ☐11
				☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 ☐11

***A $2.00 mail fee will be charged for all invoice and sample results mailed via USPS. Results and invoice can be emailed in PDF form for free.**

☐email results ☐Charge $2 for mailing

We strongly suggest emailing the laboratory at soiltesting@tamu.edu prior to shipping your samples. This will provide the laboratory a valid email address for returning your results and invoice. Bounced emails will be billed $2 and a hardcopy will be mailed to the address listed above.

1. **Protein** (101) **$5 per sample**
2. **Protein + Nitrates in forages** (102) **$12 per sample**
3. **Protein + Minerals** (P, K, Ca, Mg, Na, S, Fe Cu, Mn, Zn and B) (103) **$18 per sample**
4. **Protein + Acid Detergent Fiber (ADF)** (104) **$14 per sample**
   (TDN and energy calculated)
5. **Protein + ADF + Nitrates** (105) **$21 per sample**
6. **Protein + Minerals + ADF** (106) **$26 per sample**
7. ***NIR Analysis* Recommended as best overall forage analyses suite**
   (Protein, Fiber, TDN, IVTD--pure grass, alfalfa, and clovers only) **(107)** **$8 per sample**
8. **Nitrates in forages** (108) **$7 per sample**
9. **Nitrate-N in plant tissue** (109) **$7 per sample**
10. **Nitrogen + Minerals** (P, K, Ca, Mg, Na, S, Fe Cu, Mn, Zn, B) (110) **$18 per sample**
11. **Total Nitrogen only** (111) **$5 per sample**

Hardcopy mailed to address listed above **$2 per invoice**

Contact laboratory to determine services available beyond the suite analyses listed to the left or above.

Pricing valid until 12-31-2021.

The latest form can be downloaded at the laboratory's website. http://soiltesting.tamu.edu

----------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.

Forage Samples

- Silage should be collected in sealable plastic bags.
- Forage nitrate samples should be collected from the lower part of the plant stems that might be grazed or cut for hay.
- The laboratory does not test for prussic acid in hay.

NIR Analysis

- NIR analysis is valid only for cool season and warm season grasses, alfalfa, and common clovers.
- NIR analysis data are valid for protein, acid and neutral detergent fiber, TDN, and energy values.

Other Sample Types

- Manure and litter samples should be submitted on the laboratory's Biosoild form.
- Fertilizer and similar inorganic materials should not be submitted on either the Plant/Forage or Biosolid forms. Please contact the laboratory requiring its ability to process these type of samples.

Shipping Samples

- Complete this information form.
- Enclose completed information form and payment in package.

PAYMENT

- Payment must be included with samples, prepaid on Aggie Marketplace or a completed AG-257 must be on file for samples to be processed. Go to the laboratory website for easy access to the Aggie Marketplace payment option. Please note that the *price is per sample*. The AG-257 is attached or can be located at https://agrilifeas.tamu.edu/documents/ag-257.pdf/
- Address the letter and package to the following address (United States Postal Service):

United States Postal Service

Soil, Water and Forage Testing Laboratory
2478 TAMU
College Station, TX 77843-2478

Other Couriers (FedEx. UPS, etc.)

Soil, Water and Forage Testing Laboratory
2610 F&B Road
College Station, TX 77845
Phone: (979) 845-4816

Website: soiltesting.tamu.edu

Email: soiltesting@tamu.edu