# Plant/Forage Sample Information Form

**Texas A&M Agrilife Extension**  
**Soil, Water and Forage Testing Laboratory**  
**Department of Soil and Crop Sciences**  
**Texas AgriLife Extension Service**

**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 ______________________________________

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

<table>
<thead>
<tr>
<th>Laboratory # (For Lab Use)</th>
<th>Your Sample I.D.</th>
<th>Sample Type and Usage: (Bermuda, Wheat, Pecan, etc.)</th>
<th>Livestock to be Fed: (Beef, Dairy, Horse, Goat, etc.)</th>
<th>Requested Analyses</th>
</tr>
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</tbody>
</table>

- **Payment (DO NOT SEND CASH)**  
  - [ ] Check/ Money Order (keep your M.O. receipt)  
  - [ ] Extension of Credit-Bill, AG-257 submitted (page 3)  
  - [ ] Prepayment on Aggie Marketplace Payment

  Order Number ___________________________  
  Amount Paid $ ________________________

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

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.

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*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.

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

- [ ] $5 per sample  
- [ ] $12 per sample  
- [ ] $18 per sample  
- [ ] $14 per sample  
- [ ] $21 per sample  
- [ ] $26 per sample  
- [ ] $7 per sample  
- [ ] $18 per sample  
- [ ] $5 per sample  
- [ ] $2 per invoice

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 12-31-2019.**

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 Biosolid 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):

<table>
<thead>
<tr>
<th>United States Postal Service</th>
<th>Other Couriers (FedEx, UPS, etc.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil, Water and Forage Testing Laboratory 2478 TAMU College Station, TX 77843-2478</td>
<td>Soil, Water and Forage Testing Laboratory 2610 F&amp;B Road College Station, TX 77845 Phone: (979) 845-4816</td>
</tr>
</tbody>
</table>

Website: soiltesting.tamu.edu Email: soiltesting@tamu.edu

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