

8. Nitrates in forages (108)

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



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 INFORM	ATION: This information will be use	ed for all official invo	oicing and communication.	Sheet of
Name			Co	unty where sampled	
Mailing Address _			Ph	one	
City		State Zip		mail*	
CLIENT NAME: Cli Name Lab Use only		ed on result reports.	☐ Check/☐ Extensi☐ Prepayl ☐ Order N Amount Paic Make Chect Samples will n	(DO NOT SEND CASH) Money Order (keep your M.C) ion of Credit-Bill, AG-257 sub ment on Aggie Marketplace F umber	mitted (page 3) Payment Laboratory
		SAMPLE INFORMATION	N (Required)	3)	See options listed below)
Laboratory # (For Lab Use)	Your Sample I.D.	Sample Type and (Bermuda, Wheat, Pecan, etc.)(Feed, Hav	•	Livestock to be Fed: (Beef, Dairy, Horse, Goat, and etc.)	Requested Analyses
				□6 □1 □6 □1 □1 □6 □1	1
				□1 □1	1
form for free. We strongly sugg	est emailing the lab	or all invoice and sample result or all invoice and sample result or all invoice and sample results and invoice. Bounced e	prior to shipping	email results □Char your samples. This will provid	ge \$2 for mailing de the laboratory a
I. Protein + Acid Dete (TDN and energy calculate 5. Protein + ADF + Nit 6. Protein + Minerals 7. *NIR Analysis* Re	(P, K, Ca, Mg, Na, S, Fe Co ergent Fiber (ADF) (1 d) trates (105) + ADF (106) ecommended as bes	\$12 per sample \$18 per sample \$14 per sample \$21 per sample \$26 per sample \$20 per sample	e 11. Total Nitroger Hardcopy mailed Contact laborato analyses listed to	nerals (P, K, Ca, Mg, Na, S, Fe Cu, Mn,	\$5 per sample \$2 per invoice ble beyond the suite
(Protein Eiber TDN IV/TD	nure grass alfalfa and clay	(ors only) (107) \$8 nor sample	, <u>-</u>	nonig vana unu 12-c	<u>, , </u>

\$7 per sample

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://agrillifeas.tamu.edu/documents/ag-257.pdf/
- Address the letter and package to the following address (United States Postal Service):

United States Postal Service

Other Couriers (FedEx. UPS, etc.)

Soil, Water and Forage Testing Laboratory

Soil, Water and Forage Testing Laboratory 2478 TAMU

College Station, TX 77845 Phone: (979) 845-4816

2610 F&B Road

College Station, TX 77843-2478

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

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AG-257 (1/18)
Texas A&M AgriLife Administrative Services Banking and Receivables

Customer Information Form



This section is REQUIRED. Please contact invoicing unit if unsure.		☐ 06 Research	☐ 07 Extension	□ 20 TVM			
Customer Information:							
Customer/Company Name: (First, Middle, Last):							
Federal ID Number OR Social Security Number:							
Address:							
City:			Zip:				
Contact Person:							
Phone:		Fax:					
Customer Representative Signature:							
Title:							
Unless otherwise instructed, please send completed forms according EXTERNAL CUSTOMERS	to the methods bel						
Address: Texas A&M AgriLife Administration Services		INTERNAL CUSTOMERS					
Attention: Banking and Receivables		Email: bar@ag.tamu.edu	suus into onnun vioto Locarfielo M/on	l. In Dunanana Faldan			
578 John Kimbrough		Laserfiche: Units can drop form into appropriate Laserfiche Work-In Progress Folder – Banking & Receivables "External Customer Setup Requests"					
College Station, TX 77843-1945 Fax: (979) 845-1945 Email: bar@ag.tamu.edu		banking & Necelvables LX	terrial customer setup requests				
Unit Contact:		Unit Contact Email:					
For fiscal office use only:							