



**SOIL, PLANT AND WATER ANALYSIS LABORATORY**  
 STEPHEN F. AUSTIN STATE UNIVERSITY  
 P.O. Box 13025  
 Nacogdoches, Texas 75962  
 936-468-4500

**FORAGE & FEED SAMPLE INFORMATION SHEET**

**Please Print**

Your Name \_\_\_\_\_  
 Street/ RFD \_\_\_\_\_  
 Town \_\_\_\_\_  
 State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone \_\_\_\_\_  
 Fax \_\_\_\_\_  
 Sample(s) came from \_\_\_\_\_  
 county.  
 Email \_\_\_\_\_

Send extra copy to \_\_\_\_\_  
 Street/ RFD \_\_\_\_\_  
 Town \_\_\_\_\_  
 State \_\_\_\_\_ Zip \_\_\_\_\_  
 FOR ESTABLISHED ACCOUNTS ONLY:  
 Charge \_\_\_\_\_  
 (Name of Company)

Make Checks Payable to SFA Soil Lab.

FOR OFFICE USE ONLY:

Check in Date: \_\_\_\_\_  
 Bill Amount Due: \_\_\_\_\_  
 Amount Received: \_\_\_\_\_  
 Amount in Cash/Check: \_\_\_\_\_  
 Check Number: \_\_\_\_\_

SEE PROPER SAMPLING TECHNIQUES ON THE BACK OF THIS SHEET.

Regular Forage Test ..... \$12.00 per sample      Complete Forage Test ..... \$20.00 per sample      Nitrate Test (extra)..... \$ 5.00 per sample      NIR (Near Infrared Spectroscopy)... \$10.00 per sample

Lab ID (DO NOT USE)	Your Sample ID	Please Check type of test	Please Check type of sample.	INDICATE MATURITY, DAYS SINCE LAST CUTTING, FERTILIZATION, AND SPECIAL PROBLEMS.
		<input type="checkbox"/> Regular <input type="checkbox"/> Complete <input type="checkbox"/> Nitrates <input type="checkbox"/> NIR	<input type="checkbox"/> Alfalfa <input type="checkbox"/> Jiggs <input type="checkbox"/> Bermuda <input type="checkbox"/> Feed <input type="checkbox"/> Bahia <input type="checkbox"/> Coastal <input type="checkbox"/> Alicia Specify Other : _____	
		<input type="checkbox"/> Regular <input type="checkbox"/> Complete <input type="checkbox"/> Nitrates <input type="checkbox"/> NIR	<input type="checkbox"/> Alfalfa <input type="checkbox"/> Jiggs <input type="checkbox"/> Bermuda <input type="checkbox"/> Feed <input type="checkbox"/> Bahia <input type="checkbox"/> Coastal <input type="checkbox"/> Alicia Specify Other : _____	
		<input type="checkbox"/> Regular <input type="checkbox"/> Complete <input type="checkbox"/> Nitrates <input type="checkbox"/> NIR	<input type="checkbox"/> Alfalfa <input type="checkbox"/> Jiggs <input type="checkbox"/> Bermuda <input type="checkbox"/> Feed <input type="checkbox"/> Bahia <input type="checkbox"/> Coastal <input type="checkbox"/> Alicia Specify Other : _____	
		<input type="checkbox"/> Regular <input type="checkbox"/> Complete <input type="checkbox"/> Nitrates <input type="checkbox"/> NIR	<input type="checkbox"/> Alfalfa <input type="checkbox"/> Jiggs <input type="checkbox"/> Bermuda <input type="checkbox"/> Feed <input type="checkbox"/> Bahia <input type="checkbox"/> Coastal <input type="checkbox"/> Alicia Specify Other : _____	

## **PROCEDURE FOR TAKING FORAGE SAMPLES**

Forage or leaf tissue tests can be only as accurate as the samples on which they are made. Proper collection of forage or leaf tissue samples is extremely important. Chemical tests on poorly taken samples may actually be misleading.

- 1. Sample Different Lots of Hay Separately.** Kind of hay, time of cutting, fertilizer rates (especially nitrogen), and weather conditions at harvest will influence nutritional values. It is more important to sample each kind of hay and each cutting than it is to sample hay that has or has not been rained on. If your different lots of hay are stored together and will be fed at the same time, then get hay from several bales from each lot and mix together to make one sample for analysis.
- 2. Get hay from 10 to 12 bales per lot or cutting.** If possible use a core sampling tool to get the sub-samples. Take the core from the end of small rectangular bales, and from the side of large round bales or other big packages. If the bale is stored in the open get your sample from far enough in the bale to avoid the spoiled outer layer.
- 3. Mix the samples well** before placing in a plastic bag for mailing to the lab. If samples are wet or have a high moisture content, let air dry for 1 day before putting in bag to mail. A quart size bag will hold enough hay for the laboratory analysis.
- 4. If forage is collected from a pasture,** clip plants from a square foot area in about 10 different places in the pasture. These samples can be dried in the shade before mailing. About a quart sample is needed. A Ziploc® quart size bag is ideal.

## **DESCRIPTION OF FORAGE TESTS**

### **Regular Test: \$12.00 per sample.**

Moisture content, plus wet chemistry analysis of crude protein and acid detergent fiber. An estimate of TDN is included.

### **Complete Test: \$20.00 per sample.**

Includes Regular Test plus calcium, phosphorus, potassium, magnesium, sodium, sulfur, iron, manganese, zinc, and copper.

### **Nitrate Test (extra): \$5.00 per sample.**

For use on forage where drought stress may cause nitrate poisoning. This test is in addition to a regular or complete test.

### **NIR: \$10.00 per sample.**

Provides a rapid determination of percent moisture, crude protein, ADF, NDF, TDN, IVTD and relative feed value for grass and legume forages.

**Mailing Instructions:** Place sample bags in a box and wrap securely. Unwrapped sample bags are often broken in the mail. Place forage sample information sheet and check or money order in an envelope inside the box of samples.

### **MAILING ADDRESS:**

SFASU Soil, Plant and Water Analysis Laboratory  
Box 13025, SFA Station  
Nacogdoches, TX 75962-9020  
Telephone: (936) 468-4500 Fax: (936) 468-7242

### **PHYSICAL ADDRESS:**

SFASU Soil, Plant and Water Analysis Laboratory  
1924 Wilson Drive, Agriculture Bldg. Rm 122  
Nacogdoches, TX 75962