### Forage/Plant Tissue 24

#### Sample Sheet

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SEE PROPER SAMPLING TECHNIQUES ON THE BACK OF THIS SHEET

<table>
<thead>
<tr>
<th>LAB ID (do not use)</th>
<th>Your Sample Name</th>
<th>Test</th>
<th>Forage</th>
<th>Type of Sample</th>
<th>Indicate maturity, days since last cutting / fertilization, special problems, deficiency symptoms, etc.</th>
<th>Livestock Being Fed this Forage</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Regular forage</td>
<td>□ Complete for.</td>
<td>□ Alfalfa</td>
<td>Fresh Cut</td>
<td>□ Beef</td>
<td>□ Dairy</td>
<td>□ Horse</td>
</tr>
<tr>
<td>□ Complete for.</td>
<td>□ Nitrates</td>
<td>□ Coastal</td>
<td>Hay</td>
<td>□ Sheep/Goat</td>
<td>□ Plant tissue</td>
<td>Other: _____</td>
</tr>
<tr>
<td>□ Prussic acid</td>
<td>□ Plant tissue</td>
<td>□ Comm. Berm.</td>
<td>Haylage</td>
<td>□ Beef</td>
<td>□ Dairy</td>
<td>□ Horse</td>
</tr>
<tr>
<td>□ Plant tissue</td>
<td>Other: _____</td>
<td>Other: _____</td>
<td>Silage</td>
<td>□ Sheep/Goat</td>
<td>□ Plant tissue</td>
<td>Other: _____</td>
</tr>
<tr>
<td>□ Prussic acid</td>
<td>□ Plant tissue</td>
<td>Other: _____</td>
<td>Other</td>
<td>□ Beef</td>
<td>□ Dairy</td>
<td>□ Horse</td>
</tr>
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<td>□ Plant tissue</td>
<td>Other: _____</td>
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<td>Other</td>
<td>□ Sheep/Goat</td>
<td>□ Plant tissue</td>
<td>Other: _____</td>
</tr>
</tbody>
</table>
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 them air dry in shaded area for at least 1 day before bagging and shipping. 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 reclosable plastic quart size bag is ideal.

5. Sample **plant tissue** according to recommendations published in Plant Analysis Handbook by Bryson at al. (ISBN 978-1-878148-01-8) or extension publication: timing, number / location of leaves, number of plants.

6. **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.

**POSTAL MAILING ADDRESS:**
Stephen F. Austin State University  
Soil, Plant and Water Analysis Laboratory  
Box 13025, SFA Station  
Nacogdoches, TX 75962

**UPS OR FEDEX MAILING ADDRESS:**
1924 Wilson Drive, Room 122  
SFASU Agriculture Building  
Nacogdoches, TX 75964

**LABORATORY LOCATION:**
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1924 Wilson Drive, SFASU Campus

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