



Forage Quality Sampling Protocols

Tools and Equipment Needed (provided by UCCE):

- Work gloves
- Pruning shears and/or grass shears
- 5-gallon bucket
- 1 qt Ziploc bags
- Hanging scale

Sampling Protocols:

- Collect approximately 1 pound of the portion of the plant that would be consumed by livestock (leaves and vegetative stems, not woody stems). Collect samples from several representative plants and mix together.
- Clip vegetation at grazing height (to ensure you're collecting material which may actually be consumed).
- Mix samples in bucket to form a composite sample. Cut material into 2-3 inch pieces.
- Take a 1-pound sample and pack tightly into a plastic bag. Place in freezer for 12 hours (to prevent chemical changes due to respiration or fermentation).
- Label bag as follows:
 - Name
 - Location Collected (if possible, provide GPS or lat/long coordinates with your phone; street address can also work)
 - Date Collected
 - Name of Plant
 - Species of Livestock Present
 - Are the livestock grazing this plant (Y/N)
- Contact us to pick up and ship samples to the Dairy One Lab.

If you have questions, please contact us!

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Type	Poison / Non-Poisonous	Scientific Name	Common
Shrub		<i>Baccharis pilularis</i>	Coyote Brush
		<i>Genista monspessulana</i>	French Broom
		<i>Cytisus scoarius</i>	Scotch Broom
		<i>Spartium junceum</i>	Spanish Broom
		<i>Heteromeles arbutifolia</i>	Toyon
		<i>Rubus spp.</i>	Blackberry
		<i>Toxicodendron diversilobum</i>	Poison Oak
		<i>Hedera helix</i>	English Ivy
		<i>Frangula californica</i>	Coffee Berry
		<i>Ceanothus integerrimus</i>	Deerbrush
		<i>Ceanothus cuneatus</i>	Wedgeleaf ceanothus
		<i>Mimulus ringens</i>	Monkey Flower
		<i>Adenostoma fasciculatum</i>	Chamise
	Tree		<i>Arbutus menziesii</i>
		<i>Arctostaphylos spp.</i>	Manzanita
		<i>Notholithocarpus densiflorus</i>	Tan Oak
		<i>Quercus wislizeni</i>	Live Oak
		<i>Laurus nobilis</i>	Bay Laurel
Thistle		<i>Centaurea solstitialis</i>	Yellow Star Thistle
			Thistle (General)
Grass		<i>Taeniatherum caput-medusae</i>	Medusahead

		<i>Aegilops triuncialis</i>	Barbed Goat Grass
		<i>Bromus diandrus</i>	Ripgut Brome
		<i>Hordeum jubatum</i>	Foxtail