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www.soiltestinglab.colostate.edu



Forage Testing Submittal Form



Please Circle

<u>Routine Package (per sample)</u>	\$32.00
Moisture, Dry Matter (DM), Ash, Crude Protein (CP), Acid Detergent Fiber (ADF), Neutral Detergent Fiber (NDF), Digestible Energy (DE), Net Energy/Lact. (NEL), Net Energy/Maint. (NEM), Net Energy/Gain (NEG), Metabolizable Energy (ME), Total Digestible Nutrients (TDN), Relative Feed Value Index (RFV)	
<u>Minerals Package (per sample)</u>	\$32.00
Phosphorus, Potassium, Calcium, Magnesium, Iron, Sodium, Manganese, Zinc, Copper, Sodium, Boron and Molybdenum	
<u>Routine + Minerals Package (per sample)</u>	\$64.00
All items listed in "Routine Package" and "Minerals Package"	
Individual Analyses:	
Nitrate (per sample)	\$15.00
Ammonium (per sample)	\$13.00
Moisture / Dry Matter (per sample)	\$ 6.00
Crude Protein (per sample)	\$28.00
Selenium (per sample)	\$27.00
Prussic Acid (cyanide) (per sample)	\$44.00
Ash (per sample)	\$10.00
Crude Fiber (per sample)	\$15.00

LABORATORY Number	SAMPLE ID #	TYPE of feed	LIVESTOCK TYPE AND BREED								
			Cattle		Horses				Sheep	Swine	Other
For lab use only	(FOR YOUR INFORMATION)	Grass, Alfalfa, Oats, Silage, Mixed Rations, etc.	Dairy	Beef	Performance	Leisure	Working	Other			

Additional analyses are available for plants and forages. Please contact the lab at 970-491-5061 for the cost and availability of additional testing.
To mail sample to the lab, UPS, USPS, FedEx etc: CSU Soil Testing Laboratory, 200 West Lake St. 1120 Campus Delivery, Fort Collins CO, 80523-1120
 (Physical address 1231 East Drive to deliver in person)
By accepting service or goods, I agree to submit payment in full to Colorado State University upon receipt of invoice or University Billing Statement.
Late payment charges of 1.5% per month and other penalties specified may be assessed for late payment.
 VISIT OUR WEB SITE AT: www.soiltestinglab.colostate.edu

SUGGESTED INSTRUCTIONS FOR SUBMITTING FORAGE SAMPLES:

1. Obtain subsamples from several sites of the feed source (i.e. bales, silo, etc.) and place in a 5 gallon bucket.
2. Mix thoroughly all subsamples.
3. From the combined mixture, place approximately 1 quart of sample into an airtight container such as a plastic zip lock bag.
4. Care should be taken to minimize the time between taking the sample and being sent to the lab.
5. Care should be taken to not let the sample become overheated or dried out.
6. Seal the bag and label the sample with name, address, location of the sample and date.
7. Complete this forage sample information form as much as possible and return it with the forage sample.
8. Mail sample to the lab using the following address:

To send samples to the lab use this address;

Soil, Water & Plant Testing Laboratory

200 West Lake Street

Campus Delivery 1120 A-320 NESB

Fort Collins, CO 80523-1120

9. We accept cash, checks or credit cards (Discover, MasterCard or Visa). Please make out checks to CSU.
10. If you have additional questions, please contact the Lab at (970) 491-5061 or your local county cooperative extension agent.

ANALYSES AVAILABLE

TEST	COMMENTS
Routine Moisture, dry matter, ash, crude protein, ADF, NDF, DE, ME, TDN, est. RFV	Basic evaluation to predict energy, digestibility, intake, nutritive value and forage quality. Percent moisture to report values on a dry dry matter basis. Ash contains mineral component of feed. TDN NE, ME, and DE are estimates of NDF, and ADF represent that portion of the feed which is less digestible.
Minerals Nitrogen (N), Phosphorus (P), Potassium (K), Calcium (Ca), Magnesium (Mg), Sulfur (S), Iron (Fe), Manganese (Mn), Zinc (Zn) and Copper (Cu)	Basic nutrients required for the maintenance of domestic animals. Values outside of suggested ranges will be reported.
Nitrates (NO₃-N)	Nitrates are converted to nitrite. Elevated levels of nitrite are toxic. Nitrate poisoning is most common with fresh cut corn, sorghum, Sudan grass, and less frequent with small grains. The increase of nitrates in the plant is usually due to the combination of environmental stress (i.e. drought, hail, and frost) and fertilizer application. Nitrate levels outside of the suggested range will be reported.

THE SAMPLE PROVIDED MUST REPRESENT THE FORAGE BEING FED. THE RESULTS ARE ONLY AS ACCURATE AS THE SAMPLE THAT IS SENT.