

# Soil, Water & Forage Analytical Laboratory Testing Services and Price List

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**Prices Effective June 1, 2011**

## Soil Property Analyses

### Soil Fertility

<b>Routine Analysis</b>	<b>\$10.00</b>
pH (1:1), Lime Requirement (Sikora), NO <sub>3</sub> -N, Soil Test P & K (Mehlich 3)	
<b>Subsoil Nitrate-N</b>	<b>\$2.00</b>
(with the submission of Surface Soil)	
<b>Nitrate-N or Ammonium-N</b>	<b>\$4.00</b>
NO <sub>3</sub> -N or NH <sub>4</sub> -N (1M KCl)	
<b>Nitrate-N and Ammonium-N</b>	<b>\$5.00</b>
NO <sub>3</sub> -N or NH <sub>4</sub> -N (1M KCl)	
<b>Secondary Nutrients</b>	<b>\$4.00</b>
Mg, Ca (M3), and SO <sub>4</sub> (0.008M Calcium Phosphate)	
<b>Micronutrients</b>	<b>\$4.00</b>
Fe, Zn, B and Cu (DTPA – Sorbitol)	

### Soil Salinity

<b>Salinity Management</b>	<b>\$15.00</b>
(1:1 Soil to water Extraction) - Na, Ca, Mg, K, B, EC, TSS (Total Soluble Salts), SAR, ESP, pH	
<b>Comprehensive Salinity</b>	<b>\$40.00</b>
(Saturated Paste Extraction) Na, Ca, Mg, K, B, EC, TSS, SAR, ESP, pH, Cl <sup>-</sup> , CO <sub>3</sub> <sup>=</sup> , HCO <sub>3</sub> <sup>=</sup> , NO <sub>3</sub> -N, SO <sub>4</sub> <sup>=</sup>	

### Soil Texture

<b>Textural Class (Hydrometer)</b>	<b>\$10.00</b>
<b>Soil Organic Matter &amp; Nitrogen</b>	
<b>Organic Matter</b>	<b>\$6.00</b>
<b>Total Nitrogen</b>	<b>\$6.00</b>
TN% (LECO)	
<b>Organic Carbon &amp; Total Nitrogen</b>	<b>\$6.00</b>
OC% and TN% (LECO)	

## Greenhouse Root Media Analyses

<b>Greenhouse Media</b>	<b>\$20.00</b>
(Saturated Media Extraction) Na, Ca, Mg, K, P, S, B, EC, pH, NO <sub>3</sub> -N, NH <sub>4</sub> -N	

## Water Quality Analysis

<b>Livestock Water</b>	<b>\$6.00</b>
EC, pH, NO <sub>3</sub> -N, TSS(Total Soluble Salts)	
<b>Household Water</b>	<b>\$15.00</b>
Na, Ca, Mg, K, Fe, Zn, Cu, Mn, EC, pH, NO <sub>3</sub> -N, Cl <sup>-</sup> , SO <sub>4</sub> <sup>=</sup> , TSS (Total Soluble Salts), and Hardness	
<b>Irrigation Water</b>	<b>\$15.00</b>
Na, Ca, Mg, K, B, EC, pH, NO <sub>3</sub> -N, Cl <sup>-</sup> , SO <sub>4</sub> <sup>=</sup> , CO <sub>3</sub> <sup>=</sup> , HCO <sub>3</sub> <sup>=</sup> , SAR, TSS, and Hardness	
<b>Nitrate-N or Ammonium-N</b>	<b>\$3.00</b>
<b>Nitrate-N and Ammonium-N</b>	<b>\$4.00</b>
<b>Ortho-P or Total Dissolved P (TDP)</b>	<b>\$3.00</b>
Ortho-P (Colorimetric) or TDP (ICP)	

## Miscellaneous Charges

<b>Faxing Results</b>	<b>\$1.00</b>
<b>Chain of Custody Form</b>	<b>\$1.00</b>
<b>Forage Sample Bags</b>	<b>\$0.25</b>

## Forage Quality Analyses

<b>Nitrate Toxicity</b>	<b>\$6.00</b>
Nitrate and Moisture	
<b>Basic Analysis</b>	<b>\$6.00</b>
Protein (Dry Combustion – LECO) and Moisture	
<b>Basic Plus Energy</b>	<b>\$12.00</b>
Protein and Moisture, ADF (Acid Detergent Fiber), TDN, Net Energy for Gain, Lactation, Maintenance	
<b>Basic Plus Energy Plus RFV</b>	<b>\$18.00</b>
Protein and Moisture, ADF, TDN, Energy, NDF (Neutral Detergent Fiber) and RFV (Relative Feed Value for Alfalfa only)	

## Plant Tissue Sample Analyses

<b>Plant Tissue Analysis</b>	<b>\$18.00</b>
TN, P, K, Ca, Mg, S, B, Cu, Fe, Mn and Zn	

## Feed & Grain Sample Analyses

<b>TN or C or Both</b>	<b>\$6.00</b>
Total Nitrogen and Carbon (Dry Combustion – LECO)	
<b>Minerals</b>	<b>\$12.00</b>
Ca, P, Mg, K, S, Cu, Fe, Zn, Mn and Moisture	

## Animal Waste Analyses

<b>Test 1</b>	<b>Liquid - \$25.00</b>
pH, EC, Moisture, TN, TC, <b>Others- \$20.00</b>	
S, P, K, Ca, Mg, Na, Cu, Zn, Mn, and Fe	
<b>Test 2</b>	<b>\$6.00</b>
NH <sub>4</sub> -N and NO <sub>3</sub> -N	
<b>Test 3</b>	<b>\$8.00</b>
Water Soluble P	

*Other Tests May Be Available Upon Request*

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