

# Laboratory Services and Price List

## As of July 1, 2018

Price List (pdf)  
Brochure (L-241)  
Chain of Custody

### 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, TDS (Total Dissolved Solids), SAR, ESP, pH	
<b>Comprehensive Salinity</b>	<b>\$40.00</b>
(Saturated Paste Extraction) Na, Ca, Mg, K, B, EC, TDS, 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</b> (Hydrometer)	<b>\$10.00</b>
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#### Soil Organic Matter & Nitrogen

<b>Organic Matter</b>	<b>\$8.00</b>
<b>Total Nitrogen</b>	<b>\$8.00</b>
TN% (LECO)	
<b>Organic Carbon &amp; Total Nitrogen</b>	<b>\$8.00</b>
OC% and TN% (LECO)	

### Greenhouse Root Media Analyses

<b>Greenhouse Media</b>	<b>\$20.00</b>
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(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>\$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> , TDS (Total Dissolved Solids), and Hardness	
<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> , TDS (Total Dissolved Solids), 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, TDS, and Hardness	
<b>Homebrewer Water</b>	<b>\$18.00</b>
Na, Ca, Mg, P, K, Fe, Zn, Cu, Mn, EC, pH, NO <sub>3</sub> -N, Cl <sup>-</sup> , SO <sub>4</sub> <sup>=</sup> , TDS, Alkalinity 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)	

## Forage Quality Analyses

<b>Nitrate Toxicity</b>	<b>\$6.00</b>
Nitrate and Moisture	
<b>Protein Only</b>	<b>\$8.00</b>
Protein (Dry Combustion – LECO) and Moisture	
<b>Basic Analysis</b>	<b>\$14.00</b>
Protein and Moisture, ADF (Acid Detergent Fiber), TDN, Net Energy for Gain, Lactation, Maintenance	
<b>Basic Analysis Plus RFV</b>	<b>\$20.00</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>\$20.00</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>\$8.00</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

## Compost/Animal Waste Analyses

### Compost/Animal Waste Labels

<b>Test 1</b>	<b>\$25.00</b>
pH, EC, Moisture, TN, TC, 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	