

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

**Oklahoma State University
048 Agricultural Hall
Stillwater, OK 74078
Phone: (405) 744-6630
Fax: (405) 744-9575**

**Email: soiltesting@okstate.edu
Prices Effective JULY 1, 2023**

**Soil Property Analyses
Soil Fertility**

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

Soil Salinity

Salinity Management	\$30.00
(1:1 Soil to water Extraction) - Na, Ca, Mg, K, B, EC, TDS (Total Dissolved Solids), SAR, ESP, pH	
Comprehensive Salinity	\$70.00
(Saturated Paste Extraction) Na, Ca, Mg, K, B, EC, TDS, SAR, ESP, pH, Cl ⁻ , CO ₃ ²⁻ , HCO ₃ ⁻ , NO ₃ -N, SO ₄ ²⁻	

Soil Texture

Textural Class (Hydrometer) **\$14.00**

Soil Organic Matter & Nitrogen

Organic Matter **\$8.00**
Total Nitrogen **\$8.00**
TN% (LECO)

Organic Carbon & Total Nitrogen **\$8.00**
OC% and TN% (LECO)

**Greenhouse Root Media
Analyses**

Greenhouse Media **\$20.00**
(Saturated Media Extraction) Na, Ca, Mg, K, P,
S, B, EC, pH, NO₃-N, NH₄-N

Water Quality Analysis

Livestock Water **\$18.00**
Na, Ca, Mg, K, Fe, Zn, Cu, Mn, EC, pH, NO₃-N, Cl⁻,
SO₄²⁻, TDS (Total Dissolved Solids), and Hardness

Household Water **\$18.00**
Na, Ca, Mg, K, Fe, Zn, Cu, Mn, EC, pH, NO₃-N, Cl⁻,
SO₄²⁻, TDS (Total Dissolved Solids), and Hardness

Irrigation Water **\$18.00**
Na, Ca, Mg, K, B, EC, pH, NO₃-N, Cl⁻, SO₄²⁻, CO₃²⁻,
HCO₃⁻, SAR, TDS, and Hardness

Homebrewer Water **\$21.00**
Na, Ca, Mg, P, K, Fe, Zn, Cu, Mn, EC, pH, NO₃-N, Cl⁻,
SO₄²⁻, TDS, Alkalinity and Hardness

Nitrate-N or Ammonium-N **\$3.00**
Nitrate-N and Ammonium-N **\$4.00**
Ortho-P or Total Dissolved P (TDP) **\$3.00**
Ortho-P (Colorimetric) or TDP (ICP)

Miscellaneous Charges

Sample Bags and Water Bottles **\$0.50**
(Deposit and reimbursed when returned)

Forage Quality Analyses

Nitrate Toxicity **\$6.00**
Nitrate and Moisture

Protein Only **\$8.00**
Protein (Dry Combustion – LECO) and Moisture

Basic Analysis **\$14.00**
Protein and Moisture, ADF (Acid Detergent Fiber),
TDN, Net Energy for Gain, Lactation, Maintenance

Basic Analysis Plus RFV **\$20.00**
Protein and Moisture, ADF, TDN, Energy,
NDF (Neutral Detergent Fiber) and
RFV (Relative Feed Value for Alfalfa only)

Plant Tissue Sample Analyses

Plant Tissue Analysis **\$23.00**
TN, P, K, Ca, Mg, S, B, Cu, Fe, Mn and Zn

**Feed & Grain Sample
Analyses**

TN or C or Both **\$8.00**
Total Nitrogen and Carbon (Dry Combustion – LECO)

Minerals **\$15.00**
Ca, P, Mg, K, S, Cu, Fe, Zn, Mn and Moisture

**Compost/Animal Waste
Analyses**

Test 1 **\$30.00**
pH, EC, Moisture, TN, TC,
S, P, K, Ca, Mg, Na, Cu, Zn, Mn, and Fe

Test 2 **\$6.00**
NH₄-N and NO₃-N

Test 3 **\$8.00**
Water Soluble P