

SOIL TEST CHARGES

North Dakota State University Soil Testing Laboratory
Research Price List **V17.1**

Item	\$/sample
Kjeldahl Digestion	\$ 8.75
Total Nitrogen	\$ 5.65
Total Phosphorus	\$ 5.65
Total Nitrogen - (Combustion Analyzer)	\$ 9.50
Nitrate-Nitrogen - NO ₃ -N	\$ 2.70
Ammonium-Nitrogen - NH ₄ -N	\$ 5.00
Phosphorus (P) - Olsen procedure	\$ 3.15
Potassium (K)	\$ 3.15
pH (1:1 water)	\$ 2.00
SMP Buffer pH	\$ 2.65
Soluble Salts (EC) (1:1 water)	\$ 2.00
Organic Matter (Loss of Ignition)	\$ 3.00
Soil moisture content (Gravimetric)	\$ 3.00
Sulfate-Sulfur - SO ₄ -S	\$ 2.75
Chloride (Cl)	\$ 3.15
Zinc (Zn)	\$ 3.15
Copper (Cu)	\$ 3.15
Manganese (Mn)	\$ 3.15
Iron (Fe)	\$ 3.15
Sodium (Na)	\$ 2.50
Calcium (Ca)	\$ 2.50
Magnesium (Mg)	\$ 2.50
Calcium Carbonate Equivalent (CCE) CaCO ₃ Equivalent	\$ 5.50
Cation Exchange Capacity (CEC) (summation)	\$ 15.00
Exchangable Sodium Percent	\$ 15.00
Saturated Paste Package: Sodium Adsorption Ratio (SAR), Soluble Salts (EC), Saturation %, and pH	\$ 21.25
Saturation Paste Extract tests available individually:	
Paste prep and Saturation %	\$ 9.75
pH	\$ 2.00
Soluble Salts (EC)	\$ 2.00
Sodium Adsorption Ratio (Ca,Mg, Na)	\$ 7.50
Potassium (K)	\$ 3.15
Phosphorus (P)	\$ 3.15
Alkalinity (carbonates and bicarbonates)	\$ 3.15
Chloride (Cl)	\$ 3.15
Hydrometer Mechanical Analysis (Soil Texture)	\$ 25.00
Total Organic Carbon (Combustion Analyzer)	\$ 12.50
Total Inorganic Carbon (Combustion Analyzer)	\$ 9.50
Total Carbon (Combustion Analyzer)	\$ 9.50
Total Nitrogen - (Combustion Analyzer)	\$ 9.50
Total Nitrogen and Total Carbon (combustion)	\$ 14.50
Clay Mineralogy	
Clay Mineralogy (slide prep, x-ray, interpretation)	\$ 300.00
Clay Mineralogy (slide prep)	\$ 45.00

Manure Tests	
Routine Analysis: % Solids, %N, %P2O5, %K2O	\$ 31.50
Routine Analysis + NO₃-N, NH₄-N	\$ 45.00
Complete Analysis: % Solids, %N, %P2O5, %K2O, NO₃-N, NH₄-N, pH, EC, Ca, Mg, Na, Zn, Cu, Fe, Mn	\$ 70.00
Tests available upon request:	
Water Extractable Phosphorus (WEP)	\$ 13.00
pH	\$ 3.15
Soluble Salts (EC)	\$ 3.15
Total Carbon (combustion)	\$ 10.50
Total Nitrogen - (Combustion Analyzer)	\$ 10.50
Total Nitrogen and Total Carbon (combustion)	\$ 15.50
Water Tests (Irrigation and Runoff)	
Water Quality Analysis (Total Package)	\$ 45.00
Water Quality Analysis (Total Package - with recommendation)	\$ 60.00
Package includes : SAR, TDS, Hardness, pH, Soluble Salts (EC), Calcium, Magnesium, Sodium, Potassium, Alkalinity (carbonates and bicarbonates), and Chloride	
Water tests offered individually:	
Nitrate-Nitrogen - NO ₃ -N	\$ 3.15
Phosphorus (P)	\$ 3.15
Potassium (K)	\$ 3.15
Calcium (Ca)	\$ 2.50
Magnesium (Mg)	\$ 2.50
Sodium (Na)	\$ 2.50
Chloride (Cl)	\$ 3.15
pH	\$ 2.00
Soluble Salts (EC)	\$ 2.00
Alkalinity (carbonates and bicarbonates)	\$ 3.50
Total Solids (Total suspended solids and dissolved solids)	\$ 3.75
Total Suspended Solids	\$ 8.00
Total Volatile Solids	\$ 10.00
Kjeldahl Digestion	\$ 8.75
Total Nitrogen (in addition to digestion)	\$ 5.65
Total Phosphorus (in addition to digestion)	\$ 5.65
Nitrate-Nitrogen - NO ₃ -N	\$ 5.65
Nitrite-Nitrogen - NO ₂ -N	\$ 5.65
Ammonium-Nitrogen - NH ₄ -N	\$ 5.65
Ortho-Phosphorus	\$ 5.65
Potassium (K)	\$ 5.65
Zinc (Zn), Iron (Fe), Copper (Cu), Manganese (Mn) EACH TEST	\$ 3.15
Plant Tissue Analysis	
Total Kjeldahl Nitrogen (Digestion and Analysis)	\$ 14.40
Nitrate-Nitrogen - NO ₃ -N	\$ 6.25
Total Nitrogen (combustion)	\$ 10.50
Total Carbon (combustion)	\$ 10.50
Total Nitrogen and Total Carbon (combustion)	\$ 15.50
Nitric Acid (Digestion)	\$ 12.50
Phosphorus (in addition to the digestion)	\$ 3.15
Potassium (in addition to the digestion)	\$ 3.15
Elements tested using ICP: Ca, Mg, K, Na, Zn, Fe, Mn, Cu, B, Mo (in addition to the digestion)	Call for Price
Greenhouse Growth Media - Saturated Extract Analysis- NO ₃ -N , P, K, Ca, Mg, Na, pH, Soluble salts	\$ 31.25
Hand Ground Samples-fee will be added if inadequate sample is submitted	\$ 1.00
International soils (including Canada) Add \$4 per sample	\$ 4.00
Prices subject to change without notice. For most current version visit our website: http://www.ndsu.edu/soils/services/soil_testing_lab/	