

# SOIL HEALTH ANALYSIS

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**PLFA** \_\_\_\_\_ **\$100.95**

Total bacteria (Gram (+), Gram (-)), Total Fungi (Arbuscular Mycorrhizae, Saprophytes) Protozoa, Undifferentiated Microorganisms

**SOIL HEALTH ASSESSMENT** \_\_\_\_\_ **\$61.90**

**BIOLOGICAL:** Soil Respiration 24 hour CO<sub>2</sub>, **H2O Extract:** ammonium-N, nitrate-N, Total N, Total Organic Carbon, Total Organic N;  
**CHEMICAL: Ammonium acetate extract:** K, Ca, Mg, Na; **DTPA Extract:** Zn, Fe, Mn Cu; **Mehlich 3 Extract:** P (Olsen P or Bray P-1 also available), S; soil pH, Soluble Salts, OM, Sum of Cations (CEC) and Base Saturation **PHYSICAL:** Water Stable Aggregates (modified)

**HANEY TEST** \_\_\_\_\_ **CALL**

**Soil Respiration; H2O Extract:** Ammonium-Nitrogen, Nitrate-Nitrogen, Total Nitrogen, Total Organic Carbon, Total Organic Nitrogen; **H3A Extract:** Nitrate-Nitrogen, Ammonium-Nitrogen, Inorganic Nitrogen, Total Phosphorus, Inorganic Phosphorus, Organic Phosphorus, Potassium, Calcium, Magnesium, Zinc, Iron, Manganese, Copper, Sulfur, Aluminum **FOR DETAILS**

**ENZYMES** \_\_\_\_\_ **\$29.70/sample/enzyme**

$\beta$ -glucosidase (BG) - Carbon Cycle, N-Acetyl- $\beta$ -glucosaminidase (NAG) - Nitrogen Cycle, Phosphodiesterase (PHD) - Phosphorus Cycle, Alkaline Phosphatase (AlkP) - Phosphorus Cycle, Acid Phosphatase (AcP) - Phosphorus Cycle, Arylsulfatase (ARS) - Sulfur Cycle

**POX-C, (PPM) SOIL** \_\_\_\_\_ **\$23.65**

Permanganate active labile carbon

**WET AGGREGATE STABILITY** \_\_\_\_\_ **\$35.75**

% Aggregate Stability, 0.25-2.0 mm fraction

**AVAILABLE WATER HOLDING CAPACITY** \_\_\_\_\_ **\$30.25**

Field capacity minus wilting point

**TOTAL NUTRIENT DIGEST (SOIL)** \_\_\_\_\_ **\$52.55**

Carbon, Nitrogen, Phosphorus, Potassium, Calcium, Magnesium, Sulfur, Zinc, Iron, Manganese, Copper, Boron, Molybdenum, Pounds per acre calculated for depth of sample

**AUTOCLAVED-CITRATE EXTRACTABLE (ACE) SOIL PROTEIN** \_\_\_\_\_ **\$23.65**

Measures proteins in soil that are sourced from plants, microbes, and other decomposing organisms

**SOIL RESPIRATION 24 HR TEST** \_\_\_\_\_ **\$29.70**

Measure of soil respiration CO<sub>2</sub>-C, ppm as an indicator of microbial biomass and potential activity

**H2O EXTRACT** \_\_\_\_\_ **\$17.90**

Ammonium-Nitrogen, Nitrate-Nitrogen, Total Nitrogen, Total Organic Carbon, Total Organic Nitrogen (by difference)

**H3A EXTRACT** \_\_\_\_\_ **\$20.00**



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## INDIVIDUAL SOIL ANALYSIS

Aluminum (KCl Extractable) _____	\$ 9.65
Ammonium (2N KCl) _____	\$ 7.15
Boron (Hot Water) _____	\$ 7.70
Bulk Density _____	Call For Details
Cations (K, Ca, Mg, Na by NH4 Acetate Extraction) _____	\$ 6.90
Chloride (0.01M CaNO3 Extract) _____	\$ 7.15
Micros (Zn, Fe, Mn, Cu, by DTPA Extraction) _____	\$ 6.90
Molybdenum (Hot Water) _____	\$ 7.70
Organic Matter (LOI) _____	\$ 6.60
pH (pH, BpH, EC, Excess Lime) _____	\$ 7.15
Phosphorus (Bray P1, Bray P2, Mehlich 3 P or Olsen P) _____	\$ 6.90
Pre-Sidedress Nitrate (12" deep soil sample when corn is 12" tall) _____	\$ 7.15
Rocks and Roots (greater than 2 mm diameter) _____	\$50.00
Salt pH (0.01M CaCl2; pH, BpH) _____	\$ 7.15
Soil Carbonates (Alkalinity & CaCO3) _____	\$17.90
Soil Moisture _____	\$ 7.15
Texture By Hydrometer _____	\$16.50
Total Dry Weight of Sample Received _____	\$13.75
Total (Combustion Method)	
Nitrogen _____	\$10.45
Carbon _____	\$10.45
Nitrogen and Carbon _____	\$19.80
Organic Carbon _____	\$16.50
Other Individual Total Digest Elements	
Contact the lab for individual element price.	
Total Nutrient Digest _____	\$52.55

Updated 01/01/2024. All prices are subject to change without notice.