

# SOIL HEALTH ANALYSIS

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**PLFA** \_\_\_\_\_ **\$92.00**

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

**SOIL HEALTH ASSESSMENT** \_\_\_\_\_ **\$56.25**

**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 FOR DETAILS**

**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

**ENZYMES** \_\_\_\_\_ **\$25/sample/enzyme**

*β-glucosidase (BG) - Carbon Cycle, N-Acetyl-β-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** \_\_\_\_\_ **\$21.50**

*Permanganate active labile carbon*

**WET AGGREGATE STABILITY** \_\_\_\_\_ **\$32.50**

*% Aggregate Stability, 0.25-2.0 mm fraction*

**AVAILABLE WATER HOLDING CAPACITY** \_\_\_\_\_ **\$27.00**

*Field capacity minus wilting point*

**TOTAL NUTRIENT DIGEST (SOIL)** \_\_\_\_\_ **\$47.75**

*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** \_\_\_\_\_ **\$21.50**

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

**SOIL RESPIRATION 24 HR TEST** \_\_\_\_\_ **\$27.00**

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

**H2O EXTRACT** \_\_\_\_\_ **\$16.25**

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



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## INDIVIDUAL SOIL ANALYSIS

Aluminum (KCl Extractable)	\$ 8.75
Ammonium (2N KCl)	\$ 6.50
Boron (Hot Water)	\$ 7.00
Bulk Density	Call For Details
Cations (K, Ca, Mg, Na by NH <sub>4</sub> Acetate Extraction)	\$ 6.25
Chloride (0.01M CaNO <sub>3</sub> Extract)	\$ 6.50
Micros (Zn, Fe, Mn, Cu, by DTPA Extraction)	\$ 6.25
Molybdenum (Hot Water)	\$ 7.00
Organic Matter (LOI)	\$ 6.00
pH (pH, BpH, EC)	\$ 6.50
Phosphorus (Bray P1, Bray P2, Mehlich 3 P or Olsen P)	\$ 6.25
Pre-Sidedress Nitrate (12" deep soil sample when corn is 12" tall)	\$ 6.50
Rocks and Roots (greater than 2 mm diameter)	\$50.00
Salt pH (0.01M CaCl <sub>2</sub> ; pH, BpH)	\$ 6.50
Soil Carbonates (Alkalinity & CaCO <sub>3</sub> )	\$16.25
Soil Moisture	\$ 6.50
Texture By Feel	\$ 5.75
Texture By Hydrometer	\$15.00
Total Dry Weight of Sample Received	\$12.50
Total (Combustion Method)	
Nitrogen	\$ 9.50
Carbon	\$ 9.50
Nitrogen and Carbon	\$18.00
Organic Carbon	\$15.00
Other Individual Total Digest Elements	
Contact the lab for individual element price.	
Total Nutrient Digest	\$47.75

Updated 01/01/2023. All prices are subject to change without notice.



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