

SOIL HEALTH ANALYSIS

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PLFA _____ **\$85.00**

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

SOIL HEALTH ASSESSMENT _____ **\$52.00**

BIOLOGICAL: Soil Respiration 24 hour CO₂, **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 _____ **\$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 _____ **\$20.00**

Permanganate active labile carbon

WET AGGREGATE STABILITY _____ **\$30.00**

% Aggregate Stability, 0.25-2.0 mm fraction

AVAILABLE WATER HOLDING CAPACITY _____ **\$25.00**

Measured at Field Capacity (0.1 bar) and Wilting Point (15 bar)

TOTAL NUTRIENT DIGEST (SOIL) _____ **\$38.00**

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 _____ **\$20.00**

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

SOIL RESPIRATION 24 HR TEST _____ **\$25.00**

Measure of soil respiration CO₂-C, ppm as an indicator of microbial biomass and potential activity

H₂O EXTRACT _____ **\$15.00**

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



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INDIVIDUAL SOIL ANALYSIS

Aluminum (KCl Extractable) _____	\$ 8.00
Ammonium (2N KCl) _____	\$ 6.00
Boron (Hot Water) _____	\$ 6.50
Bulk Density _____	Call For Details
Cations (K, Ca, Mg, Na by NH ₄ Acetate Extraction) _____	\$ 5.75
CEC (pH, K, Ca, Mg, & Na by Summation) _____	\$12.00
Chloride (0.01M CaNO ₃ Extract) _____	\$ 6.00
Micros (Zn, Fe, Mn, Cu, by DTPA Extraction) _____	\$ 5.75
Molybdenum (Hot Water) _____	\$ 6.50
Nitrite (KCl) _____	\$ 6.00
Organic Matter (LOI) _____	\$ 5.50
pH (pH, BpH, EC) _____	\$ 6.00
Phosphorus (Bray P1, Bray P2, Mehlich 3 P or Olsen P) _____	\$ 5.75
Pre-Sidedress Nitrate (12" deep soil sample when corn is 12" tall) _____	\$ 6.00
Rocks and Roots (greater than 2 mm diameter) _____	\$25.00
Salt pH (0.01M CaCl ₂ ; pH, BpH) _____	\$ 6.00
Soil Carbonates (Alkalinity, CaCO ₃) _____	\$15.00
Soil Moisture _____	\$ 5.50
Texture By Feel _____	\$ 5.25
Texture By Hydrometer _____	\$14.00
Total Dry Weight of Sample Received _____	\$ 6.75
Total (Combustion Method)	
Nitrogen _____	\$ 8.50
Carbon _____	\$ 8.50
Nitrogen and Carbon _____	\$15.00
Organic Carbon _____	\$10.00
Other Individual Total Digest Elements	
Contact the lab for individual element price.	
Total Nutrient Digest _____	\$38.00

Updated 4/01/2022. All prices are subject to change without notice.



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