SOIL HEALTH ANALYSIS

SOIL HEALTH ANAYLSIS

PLFA — **$80.00**

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

HANEY TEST — **$49.50**

***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; pH, Excess Lime Rating, Soluble Salts, Organic Matter*

ENZYMES — **$25/sample/enzyme**

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

POX-C, (PPM) SOIL — **$20.00**

Active labile carbon using potassium permanganate

WET AGGREGATE STABILITY — **$30.00**

% Aggregate Stability, 1-2 mm fraction; % Aggregate Stability of Bulk Soil, 1-2 mm fraction

AVAILABLE WATER HOLDING CAPACITY — **$25.00**

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

TOTAL NUTRIENT DIGESTION — **$33.75**

Carbon, Nitrogen, Phosphorus, Potassium, Calcium, Magnesium, Sulfur, Zinc, Iron, Manganese, Copper, Boron, Molybdenum

INDIVIDUAL HANEY ANALYSIS

SOIL RESPIRATION TEST — **$25.00**

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

HANEY H2O EXTRACT — **$15.00**

Ammonium-Nitrogen, Nitrate-Nitrogen, Total Nitrogen, Total Organic Carbon, Total Organic Nitrogen

HANEY H3A EXTRACT — **$15.00**

Nitrate-Nitrogen, Ammonium-Nitrogen, Inorganic Nitrogen, Total Phosphorus, Ortho-Phosphorus, Organic Phosphorus, Potassium, Calcium, Magnesium, Sodium, Zinc, Iron, Manganese, Copper, Sulfur, Aluminum

SOIL HEALTH ANALYSIS

INDIVIDUAL SOIL ANAYLSIS

Aluminum (KCl or Mehlich 3)	$7.50
Ammonium (KCl)	$6.60
Boron (Hot Water)	$5.75
Bulk Density	$12.25
Calcium Carbonate (CaCO3)	$21.75
Cations (K, Ca, Mg, Na by NH4 Acetate Extraction)	$5.75
CEC (pH, K, Ca, Mg, Na)	$11.25
Chloride (CaNO3)	$5.50
Micros (Zn, Fe, Mn, Cu, by DTPA extraction)	$5.75
Molybdenum (Hot Water)	$5.75
Organic Matter (LOI)	$5.50
pH (pH, BpH--Sikora or Woodruff, EC)	$5.50
Phosphorus (Bray P1, Bray P2, Mehlich 3 Color, Olsen P, or Mehlich 3 ICAP)	$5.75
Pre-Side Dress Nitrate	$4.75
Salt pH (0.01M CaCl2; pH, BpH--Sikora or Woodruff, EC)	$5.50
Soil Moisture	$5.50
Sulfur (Mehlich 3 ICAP)	$5.75
Texture By Hydrometer	$11.25
Total Alkalinity, % CaCO3	$11.00
Total Dry Weight	$6.75
Total (Combustion Method)	
Nitrogen	$7.75
Carbon	$7.75
Organic Carbon	$8.75
Total (Digestion Method)	
Phosphorus	$7.75
Potassium	$7.75
Sulfur	$7.75
Total Nutrient Digest	$33.75
Water Soluble K	$5.50