

**University of Missouri External Soil Health Assessment Center Price List
for Common Procedures in Bulk Quantity**

Procedure	Charge per Sample	Comments
Sample prep	\$2.00 and up	Depends on what kind of prep work is required.
Bulk density*	\$15 and up	Depends on what kind of bulk density is required.
pH	\$6.00	1:1 Water plus 1:2 .01M CaCl ₂
% Total nitrogen	\$12.00	Combustion analyzer
% Total nitrogen & total carbon	\$15.00	Combustion analyzer
% Total carbon	\$7.00	Combustion analyzer
% Organic carbon	\$7.00	Combustion analyzer
% Inorganic carbon+TC +TOC	\$10.00	Total carbon minus Organic carbon
% Organic matter	\$7.00	Thermogravimetric Analysis
Exchangeable cations	\$13.50	Ca, Mg, Na, K from buffered NH ₄ OAc extract by flame AA
CEC	\$13.50	NH ₄ OAc extract; vacuum extraction; direct measure
Exchang. cations + CEC	\$25.00	NH ₄ OAc extract; vacuum extraction;
Exchangeable cations	\$13.50	Same as above, but from unbuffered NH ₄ Cl extract
CEC	\$13.50	NH ₄ OAc extract; vacuum extraction; direct measure
Exchang. cations + CEC	\$25.00	NH ₄ OAc extract; vacuum extraction;
Bray1 P	\$7.00	
Al or Mn	\$15.00	KCl extract
Neutralizable Acidity	\$15.00	BaCl ₂ extract
ElectroConductivity	\$7.00	1:1 soil water slurry
Particle Size Determination	\$40.00	<2mm size fraction broken down to 8 size categories
Simplified PSD	\$18.00	only total % sand, silt, and clay reported for < 2mm
PLFA**	\$55.00	Gas Chromatograph
NLFA**	\$55.00	Gas Chromatograph
PLFA+NLFA**	\$70.00	(Introductory Price) Gas Chromatograph
Mineralizable Nitrogen	\$15.00	7-day incubation (Measurement after incubation only)
Mineralizable Nitrogen	\$30.00	7-day incubation (Measurement before and after incubation)
Wet Aggregate Stability	\$12.00	Sieve dipping method
Active Carbon (POXC)	\$12.00	Weil method
Respiration	\$15.00	Cornell method
Basic Soil Health Package	\$40.00	
Potentially Mineralizable Nitrogen	(Plus Sample Prep)	
Active Carbon		
Wet Aggregate Stability		
pH (salt and water)		
Expanded Soil Health Package	\$90.00	
Potentially Mineralizable Nitrogen	(Plus Sample Prep)	
Total Nitrogen		
Active Carbon		
Total Organic Carbon		
Wet Aggregate Stability		
pH (salt and water)		
Effective Cation Exchange Capacity		
Effective Base Saturation		
Plant Available Phosphorus		

* No sample prep fee for orders including core bulk density.

** PLFA, NLFA, or PLFA+NLFA sample prep included in price.

**Discount available for freeze-dried samples (\$5/sample)