

Fee Book Pricing Per Analysis

Soil Health Lab

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University

Notes on Pricing:

*Contact the lab via email if you'd like a formal quote. Quotes are always abided by even if fees change.

*Pricing is **per sample AND varies by submission size**. Discount per sample for submissions of 16+ samples.

For example, submitting 2 samples of Western OR Basic package would fall in the 1-15 samples price range and cost a total of \$152.50 (\$66.00/sample * 2 + \$14.00 sample preparation + \$6.50 invoice processing).

Analysis Packages				
Package	Content	RUSH Price Per Sample	Price Per Sample (1-15 samples)	Price Per Sample (16+ samples)
Western/Eastern OR Basic	pH, lime req, NH ₄ -N, NO ₃ -N, Bray P, K, Mg, Ca, Total CN, Organic matter	\$ 200.00	\$ 66.00	\$ 57.00
Western/Eastern OR Advanced	Basic + Mn, Cu, Zn, Fe, B	\$ 225.00	\$ 81.00	\$ 69.00
Basic Soil Health Assessment	pH, texture, Total CN, Organic matter, wet aggregate stability, respiration		\$ 92.00	\$ 88.50
Complete Assessment of Soil Health	pH, EC, Organic matter, Total CN, NO ₃ -N, P, K, Mg, Ca, texture, potentially mineralizable N, active carbon, wet aggregate stability, respiration		\$ 150.00	\$ 146.00
Soil Microbial Assessment	Microbial biomass, microbial respiration, active carbon, Beta-glucosidase activity		\$ 97.00	\$ 85.00
Soil Physical Assessment	Texture, wet aggregate stability, moisture	\$ 100.00	\$ 71.50	\$ 66.50
Plant Tissue Analysis	Total C, N, P, K, S, Ca, Mg, B, Mn, Fe, Zn, Cu, Mo	\$ 175.00	\$ 50.00	\$ 43.00

Analysis Packages continued				
Package	Content	RUSH Price Per Sample	Price Per Sample (1-15 samples)	Price Per Sampl e(16+ samples)
Manure/Compost Analysis	C, N, NO ₃ , NH ₄ , P, K, Ca, S, Mg, Total ash	\$ 215.00	\$ 81.00	\$ 67.00
Heavy-Metal Soil Analysis	Total As, Cd, Cr, Cu, Ni, Pb, Zn	\$ 140.00	\$ 41.00	\$ 34.00

Individual Analyses				
Analysis	Description	RUSH Price Per Sample	Price Per Sample (1-15 samples)	Price Per Sample (16+ samples)
Sample preparation (Per sample)	Separation of fine earth & preparation prior to analysis (i.e. grinding, sieving, drying)	\$ 12.00	\$ 7.00	\$ 7.00
Active Carbon	Polyphenolic carbon compounds involved in nutrient cycling and plant defense	\$ 30.00	\$ 18.00	\$ 17.00
Bulk Density	Mass 105C oven-dried soil/volume	\$ 20.00	\$ 8.00	\$ 6.00
Cation Exchange Capacity (Potential)	Exchangeable soil acid + base cations (total only)		\$ 68.00	\$ 65.00
Cation Exchange Capacity (Effective)	Exchangeable base soil cations	\$ 100.00	\$ 31.00	\$ 28.50
Plant available P (PO ₄ -P)	Colorimetric analysis for Bray + Olsen extractions	\$ 45.00	\$ 18.00	\$ 15.50
Plant available ammonium (NH ₄ -N)	Colorimetric analysis for KCl extractions (Lachat)	\$ 35.00	\$ 12.00	\$ 11.00
Plant available nitrate (NO ₃ -N)	Colorimetric analysis for KCl extractions (Spectrophotometer)	\$ 33.00	\$ 11.00	\$ 10.00
Plant available ammonium & nitrate (NH ₄ -N + NO ₃ -N)		\$ 64.00	\$ 19.00	\$ 16.50

Individual Analyses (continued)				
Analysis	Description	RUSH Price Per Sample	Price Per Sample (1-15 samples)	Price Per Sample (16+ samples)
Dry Ash	C matrix deconstruction of plant material	\$ 30.00	\$ 17.00	\$ 15.00
Electrical Conductivity (EC)	Conductivity of salts in solution	\$ 15.00	\$ 10.00	\$ 9.00
Elemental Analysis (ICP-OES)	Determination of elemental concentrations	\$ 125.00	\$ 26.00	\$ 21.00
Extraction-simple soil	Varies by nutrient	\$ 25.00	\$ 11.00	\$ 10.00
Lime requirement-Sikora Buffer	Buffer pH	\$ 20.00	\$ 9.00	\$ 8.00
Microbial biomass	Biomass of soil microbial community		\$ 42.00	\$ 36.00
Microbial respiration	Measurement of CO ₂ release over 96-hr incubation (Picarro)		\$ 18.00	\$ 18.00
Microwave digestion	Total C matrix deconstruction of plant or soil material	\$ 35.00	\$ 20.00	\$ 19.00
Moisture release curve	Soil moisture release by Hyprop		\$ 144.00	\$ 139.00
Organic matter (Loss on ignition)	Estimates organic matter content (%) based on mass loss upon heating	\$ 25.00	\$ 11.50	\$ 11.00
pH	Acidity or alkalinity	\$ 21.00	\$ 9.00	\$ 8.00
pH + EC		\$ 23.00	\$ 12.00	\$ 11.00
Potentially mineralizable N (7 day)	N mineralization by microbial activity after 7-day incubation	\$ 45.00	\$ 21.00	\$ 20.00
Potentially mineralizable N (28 day)	N mineralization by microbial activity after 28-day incubation	\$ 45.00	\$ 19.00	\$ 17.50
Beta-glucosidase enzyme	Microbial activity indicator		\$ 29.00	\$ 23.00
Texture (Hydrometer)	Sand, silt, clay fractions	\$ 50.00	\$ 20.00	\$ 17.00
Texture (Sieve & Pipette)	More sand and silt fractions than hydrometer	\$ 125.00	\$ 55.00	\$ 53.00
Total Ash	Organic C in a plant sample by oxidation at high temperature	\$ 24.00	\$ 11.00	\$ 10.50

Individual Analyses (continued)				
Analysis	Description	RUSH Price Per Sample	Price Per Sample for 1-15	Price Per Sample for 16+
Dissolved Carbon, Nitrogen (liquid)	Total CN in liquid extract		\$ 32.00	\$ 27.50
Total Carbon, Nitrogen, Sulfur (solid)	Total CN in plant or soil	\$ 50.00	\$ 24.00	\$ 22.50
Water Stable Aggregates	Aggregate stability after rain simulated event	\$ 55.00	\$ 38.00	\$ 36.50
ACE Protein	Microbial activity indicator	\$ 30.00	\$ 17.00	\$ 15.00
Processing fee per submission	Invoice processing time	\$ 6.50	\$ 6.50	\$ 6.50
Research, Development, or Training (Per hour)			\$ 69.00	\$ 65.50
Quarantine Handling (Per analysis)	Additional sterilization and documentation		\$ 6.50	\$ 5.50
Instrument time (ICP-OES) (Per hour)			\$ 200.00	\$ 165.00