

Research Sample Information Form - INTERNAL WEIGHED SOIL Samples



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Internal SOIL Research - WEIGHED

Researcher Name:	Billing Information (Required)
Organization/Department:	Name:
Phone:	Billing Address:
Email:	City/St/Zip:
Study Name:	Date Submitted:
Return Samples: YES* or NO (circle one)	Date Results Needed:

*Samples **WILL BE DISCARDED** if they have not been picked up within 6 months

# of samples	Analysis	Elements/Nutrients	Description or Procedure	External Price
	Soil preparation		Drying, grinding, sieving	\$1.00
	Soil pH and Buffer pH		1:1 soil-water Sikora Buffer	\$1.75
	Phosphorus	Soil-P (recommended)	Mehlich-3 extraction	\$1.50
	Phosphorus	Soil-P	Bray-1 extraction	\$1.50
	Phosphorus	Soil-P	Olsen (bicarbonate) extraction	\$1.50
	Cations (circle one element):	K, Ca, Mg, or Na	Ammonium acetate extraction	\$2.25
	Cations (all)	K, Ca, Mg, and Na	Ammonium acetate extraction	\$4.50
	Micronutrient Metals (circle one):	Fe, Zn, Cu, or Mn	DTPA extraction	\$2.50
	Micronutrient Metals (all)	Fe, Zn, Cu, and Mn	DTPA extraction	\$4.00
	Inorganic-N (circle one):	NO ₃ -N or NH ₄ -N	KCl extraction	\$1.75
	Inorganic-N (all)	NO ₃ -N and NH ₄ -N	KCl extraction	\$2.50
	Electrical Conductivity	EC	Saturated paste extraction	\$5.00
	Soil Texture (particle size distribution)	Sand, Silt, Clay (%)	Hydrometer	\$8.75
	Cation Exchange Capacity	CEC	Summation	\$6.25
	Cation Exchange Capacity	CEC	Displacement	\$7.50
	Chloride	Cl	Ca(NO ₃) ₂ extraction	\$2.50
	SO ₄ -S	SO ₄ -S	Ca(HPO ₄) ₂ extraction	\$2.75
	Total N and Total C	TN, TC	Dry combustion	\$4.75
	Total N and Total Organic-C	TN, TOC	Dry combustion	\$8.00
	Total P	TP	Salicylic-sulfuric acid digestion	\$5.25
	Total N and Total P	TN, TP	Salicylic-sulfuric acid digestion	\$7.00
	Organic Matter	OM (recommended)	Loss on ignition	\$2.00
	Organic Matter	OM	Modified Walkley-Black	\$3.75
	Soil Carbonate	CaCO ₃ equivalent	Manometer	\$4.50
	Heavy Metal Assay (circle one):	Pb, As, Cd, or Cr	Nitric acid digestion	\$7.50
	Heavy Metal Assay (all):	Pb, As, Cd, or Cr	Nitric acid digestion	\$10.50
	Exchangeable Aluminum	Al	KCl extraction	\$4.25
	Sample sterilization		Sterilize foreign/quarantined soil	\$0.25

*An extracted soil sample discount of \$0.25 per sample is available. Contact lab for details.