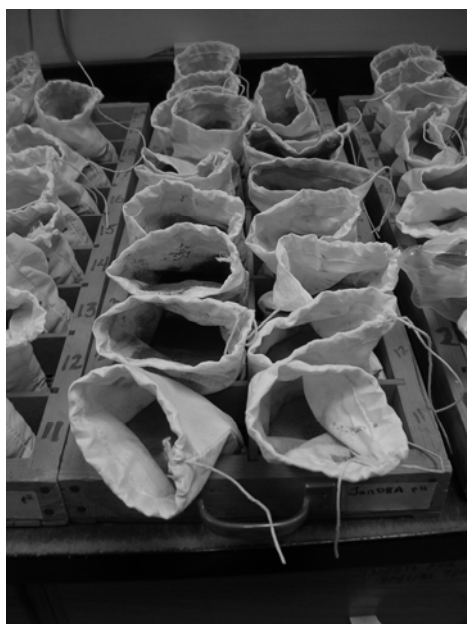

Soil Testing Program Fee Schedule

Prices Effective August 1, 2013



University of Delaware Soil Testing Program

531 S. College Avenue, 152 Townsend Hall

Newark, DE 19716-2170

(302) 831-1392 (Phone) • (302) 831-0605 (Fax)

E-mail: soiltest@udel.edu

Website: <http://ag.udel.edu/DSTP>

Hours: 8:00 to 4:30 Monday – Friday

A. Basic Soil Test Packages for Agriculture and Landscape / Garden Uses

ID	Test Description	Cost/Sample
B1.	<p>Commercial Agriculture Soil Test Routine fertility test for commercial agriculture operations including row crops, vegetables, fruits, and forages for hay and pastures. Package includes soil pH, lime requirement, organic matter, Mehlich 3 extractable nutrients (P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, and Al), Phosphorus Saturation Ratio and recommendations.</p>	\$12.00
B2.	<p>Commercial Landscaper Soil Test Routine fertility test for commercial landscapers and lawn care companies. Package includes soil pH, lime requirement, organic matter, Mehlich 3 extractable nutrients (P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, and Al), Phosphorus Saturation Ratio and recommendations</p>	\$12.00
B3.	<p>Home Lawn and Garden Soil Test – <u>Now Includes Lead!!!</u> Routine fertility test for the needs of the homeowner – suitable for lawns, gardens, flower beds and the home/residential landscape. Package includes Soil pH, lime requirement, organic matter, Mehlich 3 extractable nutrients (P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, and Al), Phosphorus Saturation Ratio, Estimated Total Lead and recommendations</p>	\$15.00
B4.	<p>Soluble Salts Test Suitable for use when problems due to excess salts or fertilizers are suspected</p>	\$6.00
B5.	<p>Pre-sidedress Soil Nitrate Test for Corn For commercial corn production. A 12 inch soil sample taken when corn is 12” tall. Includes nitrate-nitrogen measurement and sidedress N recommendation with 24 hour turn-around from the time sample is received by the laboratory.</p>	\$8.00
B6.	<p>Soil Lead Screening Test A screening test for use where soil contamination by lead is suspected. Includes instructions for collecting the sample, lead analysis, interpretation and general guidelines for managing the soil to minimize exposure to the lead present.</p>	\$12.00
B7.	<p>Heavy Metal Screening Test A screening test where there is concern that heavy metals may be present from previous use of a site. Includes As, Cd, Cr, Ni, Pb, Cu and Zn.</p>	\$25.00
B8.	<p>Archeology Mehlich 3 – includes pH, A-E Buffer and LOI-OM – Data reported by spreadsheet only – no recommendations</p>	\$10.00
B9.	<p>Rush Analysis</p> <ul style="list-style-type: none"> • Rush service may be arranged for Tests B1, B2, B3 and B4 up to a maximum set of 10 samples. • The charge is PER SAMPLE and guarantees a 5 WORKING DAY turn-around time from the time the sample is received by the laboratory – e.g., a sample received on Monday will be completed the following Monday. • Official university holidays DO NOT count as working days. 	\$20.00

Rush Analysis Continued...

- Samples must be stamped RUSH on the outside of the bag or you must call the laboratory with the bag number(s) so that we know to watch for the sample(s).
- You will be called when your sample arrives at the laboratory to let you know that the sample has been received and when it should be completed.
- When your sample is completed, you will be notified. Reports can be sent to you by fax, e-mail, Fedex (for an additional charge) or regular mail. A hardcopy will be sent to you in all cases.

B. Individual Soil Tests for Characterization

ID	Test Description	Cost/Sample
S24.	Research Mehlich 3 Routine – includes pH, A-E Buffer and LOI-OM – Data reported by spreadsheet only – no recommendations	\$10.00
S1.	Water pH only	\$6.00
S2.	Water pH and Adams-Evans Buffer pH	\$8.00
S3.	Organic Matter by Loss on Ignition	\$7.00
S4.	Walkley-Black Organic Matter	\$9.00
S5.	Mehlich 3 Extraction for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al and PSR	\$10.00
S6.	Additional M3 Elements in same extract at \$2.00 per element per sample	Varies
S7.	Nitrate- and Ammonium-N by 2M KCl Extraction	\$10.00
S8.	Ammonium-N Only	\$8.00
S9.	Nitrate-N only	\$8.00
S10.	Total Nitrogen by Combustion	\$10.00
S11.	Total Carbon by Combustion	\$13.00
S12.	Total Nitrogen and Total Carbon by Combustion	\$17.50
S13.	Cation Exchange Capacity at pH 7.0 Displacement by NH ₄ ⁺ Saturation	\$24.00
S14.	Cation Exchange Capacity at pH 7.0 Plus Exchangeable Cations (Ca, K, Mg and Na)	\$30.00
S15.	Exchangeable Cation Only	\$10.00
S16.	Exchangeable Acidity Only	\$14.00
S17.	Soil Textural Analysis by the Boyoucos Hydrometer Method (% Sand, % Silt and % Clay and USDA Textural Class)	\$20.00
S18.	USDA Sand Classes	\$20.00
S19.	Custom Sieve Analysis – Charge is \$5.00 per sieve e.g., 3 sieves requested = 3 sieves X \$5.00 per = \$15.00 per sample	Varies

ID	Test Description	Cost/Sample
S20.	Microwave Digestion	\$13.00
S21.	Autoblock Digestion	\$12.00
S22.	Individual Elements in the Digest by ICP: \$5.00/sample for first element, \$2.00/element/sample for each additional element. e.g. 3 elements would cost \$5.00+\$2.00+\$2.00 or \$9.00 per sample	Varies
S23.	Digest- Routine Element Package (P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al)	\$10.00

Other soil tests may be available by request. Call for information and pricing.

C. Individual Plant Analysis Tests

ID	Test Description	Cost/Sample
P1.	Total Nitrogen Analysis by Combustion	\$10.00
P2.	Total Elemental Composition Microwave digestion and ICP analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S and Al	\$19.00
P3.	Additional Elements in the Original Digests by ICP at \$2.00 per element per sample.	Varies
P4.	Total Nitrogen and Total Elemental Composition Total N by Combustion. Microwave digestion and ICP analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S and Al	\$25.00
P5.	Cornstalk Nitrate Test Nitrate-N By Ion Selective Electrode	\$9.00
P6.	Plant Nitrate Test Nitrate-N By Ion Selective Electrode	\$9.00

D. Greenhouse Media and Solution Analyses

ID	Test Description	Cost/Sample
GH1.	SME Media Analysis pH, EC, Saturated Media Extract Analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al by ICP.	\$20.00
GH2.	SME Media Analysis PLUS Nitrate- and Ammonium-N	\$25.00
GH3.	Media pH Only	\$8.00
GH4.	Media EC Only	\$8.00
GH5.	Media Nutrients Only Sat. Media Extract Analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al	\$12.00
GH6.	Media Nitrate- and Ammonium-N only	\$10.00
GH7.	Hydroponic Solution pH and Nutrient Analysis pH, EC, Analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al, Nitrate- and	\$20.00

ID	Test Description	Cost/Sample
	Ammonium-N. Includes necessary dilutions.	
GH8.	Hydroponic Solution pH Only	\$6.00
GH9.	Hydroponic Solution EC Only	\$6.00
GH10.	Hydroponic Solution Nutrients Only ICP analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al	\$10.00
GH11.	Hydroponic Solution for Nitrate- and Ammonium-N only	\$9.00

E. Solution / Extract Analyses

ID	Test Description	Cost/Sample
SS1.	Solution pH Only	\$6.00
SS2.	Solution EC Only	\$6.00
SS3.	Solution Nitrate-N Only	\$8.00
SS4.	Solution Ammonium-N Only	\$8.00
SS5.	Solution Nitrate- and Ammonium-N Only	\$9.00
SS6.	Solution Ortho-Phosphate-P Only	\$8.00
SS7.	Solution Routine Fertility Nutrients Only ICP analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al	\$10.00
SS8.	Solution pH and Nutrient Analysis pH, EC, Analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al, Nitrate- and Ammonium-N. Includes necessary dilutions.	\$18.00
SS9.	Individual Elements in the Solution or Extract by ICP: \$5.00/sample for first element, \$2.00/element/sample for each additional element. e.g. 3 elements would cost \$5.00+ \$2.00+\$2.00 or \$9.00 per sample	Varies
SS10.	Minimum ICP Analysis Setup Charge Substituted when Total ICP Analysis Charge for solutions is less than \$30.00	\$30.00
SS11.	Minimum Technicon Analysis Setup Charge Substituted when Total Technicon Analysis Charge for solutions (nitrate-N, ammonium-N and/or Ortho-Phosphate-P) is less than \$30.00	\$30.00
SS12.	Microwave Digestion for Solutions	\$12.00
SS13.	Autoblock Digestion for Solutions	\$11.00
SS14.	TIC/TC/TOC for liquids	\$9.00
SS15.	TIC/TC/TOC/TNb for liquids	\$10.00

F. Compost Testing Fees

ID	Test Description	Cost/Sample
C1.	Total N, Total C and C:N Ratio by Combustion	\$19.00
C2.	Compost pH	\$8.00
C3.	Soluble Salts	\$8.00
C4.	Organic Matter by Loss on Ignition	\$9.00
C5.	Nitrate- and Ammonium-N	\$10.00
C6.	Digestion for Plant Nutrients (P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al)	\$19.00
C7.	Digestion for Basic Heavy Metals Screening (As, Cd, Cr, Cu, Ni, Pb, Zn)	\$19.00
C8.	Digestion for Both Tests C7 and C8	\$25.00
C9.	Additional Analytes in Digest (<i>Call to Discuss Availability and Cost</i>)	Varies
C10.	Moisture Content / Percent Solids Only (<i>otherwise included in all other tests</i>)	\$6.00
C11.	Basic Compost Analysis – includes C1, C2, C3, C5, C6	\$45.00