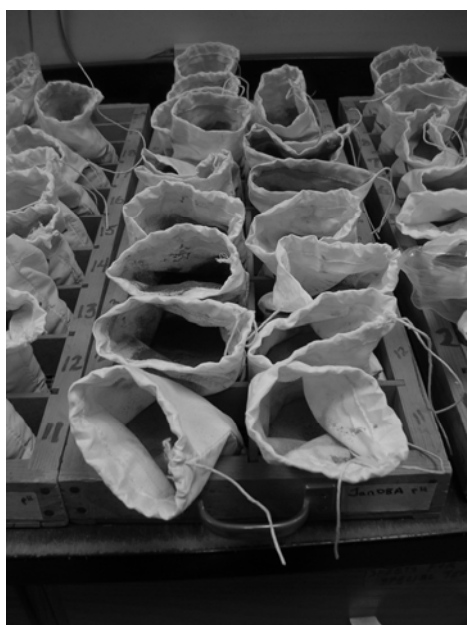




Soil Testing Program Fee Schedule

Prices Effective October 1, 2008



University of Delaware Soil Testing Program

152 Townsend Hall, 531 S. College Avenue
Newark, DE 19716-2170

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

E-mail: soiltest@udel.edu

Website: http://ag.udel.edu/other_websites/DSTP

Hours: 8:00 to 4:30 Monday – Friday

General Information

SOIL TEST KITS

Soil test kits can be purchased at the New Castle, Kent and Sussex County Extension offices. They can also be purchased in person or ordered by phone or mail from the Soil Testing Program Office in Townsend Hall on the Newark campus of the University of Delaware.

When possible, large orders should be placed directly with the Program to avoid rapidly depleting the county office supplies. We will be happy to ship the sample bags directly to you.

PAYMENT

When at all possible, payment should be made at the time that kits are ordered. Invoicing is available by request. The county offices can accept cash or checks made payable to "The University of Delaware". The Program Office handles cash or checks and is currently being set up to accept credit card payments in person, by phone or via our website. Contact the office at (302) 831-1392 to determine the status of this service.

SPECIAL TESTS

Receipts for special tests (e.g., soluble salts) paid for at the time of purchase should be attached to sample information as proof of payment.

If you decide to add a special test at a later date, please enclose payment with the information sheet when returning the sample to the laboratory.

SAMPLE SUBMITTAL

Samples can be returned to the laboratory by several different means:

- Samples can be brought directly to the laboratory.
- Samples can be left in the drop boxes at any county office.
- Samples can be sent to the laboratory by US mail, UPS, Fedex or other delivery services. We receive daily deliveries from these services.

TURN-AROUND TIME

The standard turn-around time for routine fertility samples is 10 working days. During peak periods (Nov 15 – Jan 15 and Mar 1 – April 15) please allow 15 working days.

Turn-around time for special tests will depend upon the tests involved, the number of samples submitted and the laboratory workload at the time when the samples arrive. For more information and to discuss your needs, please contact the Program Director.

REPORTING PROCEDURES

Reports for routine fertility samples, PSNTs and soil lead screening tests are printed on UD Soil Test Report Forms. Reports for other sample types are usually generated in spreadsheet format. Hardcopies of reports will be mailed to the client and any other designated party specified on the sample information sheet or the analysis request form.

Copies of routine fertility soil test reports for Delaware clients will be sent to their County Extension Office so that Cooperative Extension Staff may assist clients with questions about their report. Individual report information *will not* be released to any persons other than those whose names are listed on the report except by the written request of the paying client(s) to the Director of the University of Delaware Soil Testing Program.

Electronic copies of reports, either as pdf files or as spreadsheet, may be requested in addition to the hardcopy version. Please provide your e-mail address on your information sheet or analysis request form to be sent an electronic copy.

SAMPLE HOLDING TIMES

Holding times for samples vary with the sample stability and the current sample volume, but typically are at least 4 months from the time the sample is received.

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

ID	Test Description	Cost/Sample
B1.	Commercial Agriculture Soil Test 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	\$10.00
B2.	Lawn / Garden / Landscape Soil Test 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	\$10.00
B3.	Soluble Salts Test Suitable for use when problems due to excess salts or fertilizers are suspected	\$4.00
B4.	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.	\$6.00
B5.	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.	\$10.00
B6.	Rush Analysis <ul style="list-style-type: none">• Rush service may be arranged for Tests B1, B2, and B3 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.• 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.	\$20.00

B. Individual Soil Tests for Characterization

S1.	Water pH only	\$4.00
S2.	Water pH and Adams-Evans Buffer pH	\$5.00
S3.	Organic Matter by Loss on Ignition	\$4.00
S4.	Walkley-Black Organic Matter	\$6.00
S5.	Mehlich 3 Extraction for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al and PSR	\$7.50
S6.	Additional M3 Elements in same extract at \$2.00 per element per sample	Varies
S7.	Nitrate- and Ammonium-N by 2M KCl Extraction	\$8.00
S8.	Ammonium-N Only	\$5.00
S9.	Nitrate-N only	\$5.00
S10.	Total Nitrogen by Combustion	\$8.00
S11.	Total Carbon by Combustion	\$10.00
S12.	Total Nitrogen and Total Carbon by Combustion	\$15.00
S13.	Cation Exchange Capacity at pH 7.0 Displacement by NH₄⁺ Saturation	\$20.00
S14.	Cation Exchange Capacity at pH 7.0 Plus Exchangeable Cations (Ca, K, Mg and Na)	\$24.00
S15.	Exchangeable Cation Only	\$5.00
S16.	Exchangeable Acidity Only	\$5.00
S17.	Soil Textural Analysis by the Boyoucos Hydrometer Method (% Sand, % Silt and % Clay and USDA Textural Class)	\$15.00

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

C. Individual Plant Analysis Tests

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	\$12.00
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	\$16.00

C. Individual Plant Analysis Tests (continued)

P5. Cornstalk Nitrate Test	\$6.00
Nitrate-N By Ion Selective Electrode	
P6. Plant Nitrate Test	\$6.00
Nitrate-N By Ion Selective Electrode	

D. Greenhouse Media and Solution Analyses

GH1. SME Media Analysis	\$12.00
pH, EC, Saturated Media Extract Analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al by ICP.	
GH2. SME Media Analysis PLUS Nitrate- and Ammonium-N	\$18.00
GH3. Media pH Only	\$6.00
GH4. Media EC Only	\$6.00
GH5. Media Nutrients Only	\$8.00
Sat. Media Extract Analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al	
GH6. Media Nitrate- and Ammonium-N only	\$8.00
GH7. Hydroponic Solution pH and Nutrient Analysis	\$18.00
pH, EC, Analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al, Nitrate- and Ammonium-N. Includes necessary dilutions.	
GH8. Hydroponic Solution pH Only	\$4.00
GH9. Hydroponic Solution EC Only	\$4.00
GH10. Hydroponic Solution Nutrients Only	\$8.00
ICP analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al	
GH11. Hydroponic Solution for Nitrate- and Ammonium-N only	\$8.00

E. Solution / Extract Analyses

SS1. Solution pH Only	\$4.00
SS2. Solution EC Only	\$4.00
SS3. Solution Nitrate-N Only	\$6.00
SS4. Solution Ammonium-N Only	\$6.00
SS5. Solution Nitrate- and Ammonium-N Only	\$8.00
SS6. Solution Ortho-Phosphate-P Only	\$6.00
SS7. Solution Routine Fertility Nutrients Only	\$8.00
ICP analysis for P, K, Ca, Mg, Mn, Zn, Cu, Fe, B, S, Al	

E. Solution / Extract Analyses (cont.)

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 at \$2.00 per element per sample.	Varies
SS10.	Minimum ICP Analysis Setup Charge Substituted when Total ICP Analysis Charge for solutions is less than \$25.00	\$25.00
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 \$25.00	\$25.00
SS12.	Microwave Digestion for Solutions	\$10.00