SAMPLE FEES
(All fees are per sample and subject to change without notice.)

**Standard sample** (most samples except fine turf):
- $40 in-state
- $95 out-of-state

**Fine and sports turf:**
- In-state:
  - $75 disease/insect diagnosis
  - $120 disease/insect plus nematode assay
- Out-of-state:
  - $95 disease/insect diagnosis
  - $170 disease/insect plus nematode assay
  *Combination fee applies only to samples from same green, field, etc.

**Nematode assay:**
- $30 in-state (except fine turf)
- $60 in-state fine turf
- $95 out-of-state

**Fungus and mold identification:**
- $50 in-state microscope identification
- $100 out-of-state microscope identification

**Insect identification:**
- $40 in-state
- $95 out-of-state

**Plant and weed identification:**
- $40 in-state
- $95 out-of-state

**Special tests:**
- **Virus screening:**
  - $200 diagnostic screen
  - Individual test fee varies - call ahead
- **Fungicide resistance screening:**
  - $350 per compound
  - Call ahead to discuss specifics
- **Endophyte screening:**
  - $75 in-state
  - $100 out-of-state

Other services negotiable.
Contracts and volume discounts available.
PLANT DIAGNOSTIC LABORATORY

MISSION
The Plant Diagnostic Laboratory is a full-service plant health diagnostic facility sponsored by Rutgers Cooperative Research & Extension, the outreach component of Cook College and the New Jersey Agricultural Experiment Station. Our mission is to provide accurate and timely diagnoses of plant health problems for the residents of New Jersey.

Located on the Cook College campus, the Plant Diagnostic Laboratory provides plant health diagnostic services in cooperation with RCRE faculty, staff, and other university personnel. The laboratory serves residential and commercial clientele.

DIAGNOSTIC SERVICES
- Disease and Insect Pest Diagnosis
- Plant and Weed Identification
- Insect Identification
- Fungus and Mold Identification
- Nematode Assays
- Acremonium Endophyte Screening
- Fungicide Resistance Screening
- Other Services Available by Contract

HOW TO SUBMIT A SAMPLE
1. Sample submission forms may be obtained from your local county RCRE office, by download at www.rcre.rutgers.edu/plantdiagnosticlab, or directly from the laboratory via phone request (732-932-9140) or fax request (732-932-1270). The laboratory will fax back the appropriate form.

There are seven distinct forms.
Tan - Landscape, Home Grounds, and Garden
Yellow - Golf and Landscape Turf
Pink - Commercial Growers
Blue - Insect and Tick Identification
Lilac - Fungus and Mold Identification
Green - Plant Identification
Gray - Nematode Soil Assay

2. Completely fill out the submission form.

3. Collect the appropriate sample. Carefully follow the directions on the submission form. Whole plants work best.

4. Properly package the sample, form, and payment.

5. Mail the sample to the appropriate address.

6. The laboratory will respond by fax and mail in a timely manner.

MAILING ADDRESS
Be sure to use appropriate address to help ensure timely delivery.

U.S. POSTAL SERVICE only:
Plant Diagnostic Laboratory
Rutgers, The State University of New Jersey
PO Box 550
Milltown, NJ 08850-0550

Physical address for OTHER DELIVERY SERVICES only:
Plant Diagnostic Laboratory
Rutgers, The State University of New Jersey
Ralph Geiger Turfgrass Education Center
20 Indyk-Engel Way
North Brunswick, NJ 08902

CONTACT INFORMATION
Telephone: 732-932-9140
FAX: 732-932-1270
E-mail: clinic@rcre.rutgers.edu
Website:
www.rcre.rutgers.edu/plantdiagnosticlab

VISIT US
Take the NJ Turnpike to Exit 9. Take Rt. 18 North to Rt. 1 South. Take the second Ryders Lane exit, toward Milltown. Move to your left immediately upon entering onto Ryders Lane. Turn left at first break in the island onto Log Cabin Road and make an immediate right onto Indyk-Engel Way to parking area. The Education Center is up the hill on the left.
PLANT DIAGNOSTIC LABORATORY - FEE SCHEDULE

All fees are per sample. Please visit www.njaes.rutgers.edu/services for sampling instructions.

STANDARD SAMPLE (most samples except fine turf)

<table>
<thead>
<tr>
<th>Type</th>
<th>In-state</th>
<th>Out-of-state</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-state</td>
<td>$40</td>
<td>$95</td>
</tr>
</tbody>
</table>

FINE AND SPORTS TURF

<table>
<thead>
<tr>
<th>Type</th>
<th>In-state</th>
<th>Out-of-state</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disease/insect diagnosis</td>
<td>$75</td>
<td></td>
</tr>
<tr>
<td>Disease/insect diagnosis &amp; nematode assay*</td>
<td>$120</td>
<td></td>
</tr>
<tr>
<td>Out-of-state</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disease/insect diagnosis</td>
<td>$95</td>
<td></td>
</tr>
<tr>
<td>Disease/insect diagnosis &amp; nematode assay*</td>
<td>$170</td>
<td></td>
</tr>
</tbody>
</table>

*Combination price applies only to samples from same green, field, etc.

NEMATODE ASSAY

<table>
<thead>
<tr>
<th>Type</th>
<th>In-state (except fine turf)</th>
<th>Out-of-state</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-state</td>
<td>$30</td>
<td></td>
</tr>
<tr>
<td>In-state fine turf</td>
<td>$60</td>
<td></td>
</tr>
</tbody>
</table>

FUNGUS AND MOLD IDENTIFICATION

<table>
<thead>
<tr>
<th>Type</th>
<th>In-state microscopic identification</th>
<th>Out-of-state microscopic identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-state</td>
<td>$50</td>
<td></td>
</tr>
<tr>
<td>Out-of-state</td>
<td></td>
<td>$100</td>
</tr>
</tbody>
</table>

INSECT IDENTIFICATION

<table>
<thead>
<tr>
<th>Type</th>
<th>In-state</th>
<th>Out-of-state</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-state</td>
<td>$40</td>
<td>$95</td>
</tr>
</tbody>
</table>

PLANT AND WEED IDENTIFICATION

<table>
<thead>
<tr>
<th>Type</th>
<th>In-state</th>
<th>Out-of-state</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-state</td>
<td>$40</td>
<td>$95</td>
</tr>
</tbody>
</table>

SPECIAL TESTS

<table>
<thead>
<tr>
<th>Type</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fungicide resistance testing (per compound)</td>
<td>$350</td>
</tr>
<tr>
<td>Call ahead to discuss specifics and multiple compound discounts.</td>
<td></td>
</tr>
<tr>
<td>Virus testing</td>
<td></td>
</tr>
<tr>
<td>Diagnostic screen</td>
<td></td>
</tr>
<tr>
<td>Individual test fee varies. Call ahead to discuss specifics.</td>
<td></td>
</tr>
</tbody>
</table>

Endophyte screening

<table>
<thead>
<tr>
<th>Type</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-state</td>
<td>$75</td>
</tr>
<tr>
<td>Out-of-state</td>
<td>$100</td>
</tr>
</tbody>
</table>

Pesticide residue and contaminant testing

Call ahead to discuss available tests and fees.

OTHER SERVICES NEGOTIABLE. CONTRACTS AND VOLUME DISCOUNTS ARE AVAILABLE. ALL FEES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SOIL TESTING LABORATORY - FEE SCHEDULE

All fees are per sample. Please visit www.njaes.rutgers.edu/services for sampling instructions.

LANDSCAPE

<table>
<thead>
<tr>
<th>Test</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertility Test: $20 nutrients, pH, estimated CEC &amp; cation saturation, recommendations from RCE agent</td>
<td></td>
</tr>
<tr>
<td>Soil/plant Suitability Test: $55 nutrients, pH, soluble salt level, organic matter content, soil textural class, recommendations</td>
<td></td>
</tr>
<tr>
<td>Topsoil Evaluation: $86 nutrients, pH, soluble salt level, organic matter content, percentages of sand/silt/clay, soil textural class, gravel content, recommendations</td>
<td></td>
</tr>
</tbody>
</table>

FARM

<table>
<thead>
<tr>
<th>Test</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm Fertility Test: $20 nutrients, pH, estimated CEC &amp; cation saturation, recommendations from RCE agent</td>
<td></td>
</tr>
<tr>
<td>Pre-sidedress Nitrate Test (only): $20 Nitrate-nitrogen in soil to determine mid-season fertilizer requirement. Results within 3 working days (assuming dry sample when received)</td>
<td></td>
</tr>
<tr>
<td>Full Farm Nutrient Test: $55 nutrients, pH, estimated CEC &amp; cation saturation, plant-available (inorganic) nitrogen, organic matter content, recommendations from RCE agent</td>
<td></td>
</tr>
</tbody>
</table>

GOLF & SPORTS TURF

<table>
<thead>
<tr>
<th>Test</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Golf/Sports Turf Fertility Test: $20 nutrients, pH, estimated CEC &amp; cation saturation, recommendations</td>
<td></td>
</tr>
<tr>
<td>Golf/Sports Turf Total Test: $53 nutrients, pH, estimated CEC &amp; cation saturation, soluble salt level, organic matter content, soil textural class, recommendations</td>
<td></td>
</tr>
<tr>
<td>Sand-based Root Zone Analysis: $53 Soil pH; nutrients; estimated CEC &amp; basic cation saturation, soluble salt level, organic matter content by loss-on-ignition*, % fines, recommendations. *For golf course greens, organic matter content will be determined by loss-on-ignition as described by USGA guidelines</td>
<td></td>
</tr>
</tbody>
</table>

ORGANIC MEDIA ANALYSIS

<table>
<thead>
<tr>
<th>Test</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greenhouse (soiless) Potting Media: $55 nutrients, pH, electrical conductivity, plant-available (inorganic) nitrogen by saturated media extract</td>
<td></td>
</tr>
<tr>
<td>Compost/Basinic: $66 pH, electrical conductivity, nitrate-nitrogen by saturated media extract, maturity index</td>
<td></td>
</tr>
<tr>
<td>Compost/Technical: $138 pH, electrical conductivity, plant-available (inorganic) nitrogen by saturated media extract, organic matter content, total Kjeldahl nitrogen, C:N ratio, maturity index, moisture content, coarse/fine fragment content</td>
<td></td>
</tr>
<tr>
<td>Compost Nutrients, Available: add $17 to either compost test above</td>
<td></td>
</tr>
<tr>
<td>Water-soluble P, K, Ca, Mg, Cu, Mn, Zn, B, Fe by saturated media extract</td>
<td></td>
</tr>
<tr>
<td>Compost Nutrients, Total: add $55 to either compost test above Total P, K, Ca, Mg, Cu, Mn, Zn, B, Mo by ashing</td>
<td></td>
</tr>
</tbody>
</table>

NOTES

"Nutrients" refers to P, K, Ca, Mg, Cu, Mn, Zn, B, Fe. Nitrogen is not included.
Cation saturation refers to calculated % of CEC for macronutrients: Ca, Mg, K.
Pesticide residue and contaminant testing Call ahead to discuss available tests and fees.

OTHER ANALYSES

<table>
<thead>
<tr>
<th>Test</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water analysis for Irrigation: $22 pH, soluble salt content, nitrate-nitrogen, phosphorus, iron</td>
<td></td>
</tr>
</tbody>
</table>

FEES ADJUSTMENTS

<table>
<thead>
<tr>
<th>Test</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Express Processing: $50 per sample, turnaround will depend on tests and total number of samples in batch, includes faxing of report</td>
<td></td>
</tr>
</tbody>
</table>

Special Reporting Requirements: $200/hour calculated in 15 minute increments for example percent passing format for sieve analysis, calculations of coefficient of uniformity, particle size distribution graph, compliance of results to specifications, recommendations to meet specifications, critique of specifications.
Soil Testing and Plant Diagnostic Services

The Plant Diagnostic Laboratory and Nematode Detection Service is a full-service plant health diagnostic facility of Rutgers New Jersey Agricultural Experiment Station (NJAES). Our mission is to provide accurate and timely diagnoses of plant health problems for the residents of New Jersey. Located on the Cook Campus, the Plant Diagnostic Laboratory provides plant health diagnostic services in cooperation with Rutgers NJAES Cooperative Extension faculty and staff and other university personnel. The laboratory serves residential and commercial clientele.

The Soil Testing Laboratory is a part of Rutgers New Jersey Agricultural Experiment Station (NJAES). Located on the Cook Campus, the Soil Testing Laboratory is a service unit that performs fertility and mechanical analyses of soils for the residents of New Jersey and for University research personnel. The mission of the Laboratory is to provide accurate and timely soil and water test reports to meet the increasing agricultural and environmental needs of the state.

Can’t find it here?
Visit www.njaes.rutgers.edu/services for:
- Sampling instructions and submission forms
- Driving directions
Call 732-932-9140 (Plant Diagnostic Laboratory)
848-932-9295 (Soil Testing Laboratory)

PLANT DIAGNOSTIC LABORATORY

CONTACT INFORMATION:
Telephone: 732-932-9140
FAX: 732-932-1270
Email: clinic@njaes.rutgers.edu
Website: www.njaes.rutgers.edu/services
Blog: www.plant-pest-advisory.rutgers.edu
(tab for Plant Diagnostic Laboratory)

MAILING ADDRESSES: Be sure to use the appropriate address to help ensure the timely delivery of samples.

U.S. POSTAL SERVICE only:
Plant Diagnostic Laboratory
Rutgers NJAES
PO Box 550
Milltown, NJ 08850

Physical address for
OTHER DELIVERY SERVICES only:
Plant Diagnostic Laboratory
Ralph Geiger Turfgrass Education Center
20 Indyk-Engel Way
North Brunswick, NJ 08902

SOIL TESTING LABORATORY

CONTACT INFORMATION:
Telephone: 848-932-9295
FAX: 732-932-9292
Email: soiltest@njaes.rutgers.edu
Website:
www.njaes.rutgers.edu/services
Facebook:
www.fb.com/RutgersSoilTestingLab

MAILING ADDRESS:
Soil Testing Laboratory
Rutgers NJAES
57 US Highway 1 South, ASB II
New Brunswick, NJ 08901