SOIL ANALYSIS

Contact Information
Name ____________________________________________  Company/Department __________________________
Address ____________________________________________  Telephone ____________________________
City ____________________________________________  State ____________________________  Zip ____________

Sample Information
Sample Description ____________________________________________________________________________
Submission Date __/__/___  Number of Samples _____

☐ Quarantine Samples. Please contact Robert Schindelbeck (rrs3@cornell.edu) for instruction and permission to use our USDA-APHIS permit. A 15% surcharge will be added for all Quarantine samples.

☐ Email results  ☐ fax results  ☐ mail results

☐ Retain samples for 1 month after samples are received. (No charge)

☐ Special report formatting needed. Please contact lab with details. ($50/hr; 30 min increments)

☐ Potentially hazardous samples; please supply details: ________________________________

☐ Additional sample processing required. Please contact lab with details. ($35/hr; 30 min increments)

Please mark your samples/containers with consecutive #’s for lab to use as your sample identification. On a separate sheet, you may provide a sample description that matches the #’s on your sample containers.

**Please retain a copy of the completed form for your records.**

Payment Information:

Total Amount Owed: $_______.____

*Our payment policies have changed – please see below.*

Please indicate your method of payment below. If none of these choices apply to you, you will be given the option to pay by Credit Card (providing your cost totals $50 or more), using the link on your invoice notification.

Checks made payable to CNAL, or Account/PO information due upon sample submission.

☐ Check # or Business Acct# ____________________________  ☐ Purchase Order (P.O.) Number ____________________________

Discounts (by prior arrangement only) may be given for samples submitted dried and ground to meet CNAL specifications. -call for details.

Anticipate 2-3 weeks for the completion of tests.

Please select types of analyses from list on the reverse side.
**SOIL ANALYSIS**

For Fertilizer Recommendations, please submit your soil sample and payment directly to: [Agro-One](http://www.dairyone.com/AgroOne)

**Soil Fertility Analyses:** (No recommendations with this analysis).

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Cost per Sample</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1060 Soil Fertility Test Package #2</strong> [Modified Morgan, Mehlich I, or Mehlich III extractable] Includes: Al, As, B, Ba, Be, Cu, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Se, Sr, Ti, V, Zn (ICP); pH; buffer pH (Modified Mehlich); and organic matter (LOI).</td>
<td>$19.00</td>
</tr>
<tr>
<td><strong>1050 Pre-Sidedress Nitrogen Test (PSNT), nitrate only (see PSNT submission form)</strong></td>
<td>$13.00</td>
</tr>
</tbody>
</table>

**pH, Buffer (Modified Mehlich) pH, EC, OM, TN, TC, TOC, TIC, Exchangeable Cations**

<table>
<thead>
<tr>
<th>Test Description</th>
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</thead>
<tbody>
<tr>
<td><strong>1810 Organic matter [(Loss on ignition (LOI) method)]</strong></td>
<td>$8.50</td>
</tr>
<tr>
<td><strong>1820 pH in water</strong></td>
<td>$8.00</td>
</tr>
<tr>
<td><strong>1830 pH in 0.01 M CaCl₂</strong></td>
<td>$8.00</td>
</tr>
<tr>
<td><strong>1880 Soluble salts (conductivity)</strong></td>
<td>$10.00</td>
</tr>
<tr>
<td><strong>1840 Buffer pH (Modified Mehlich buffer)</strong></td>
<td>$6.50</td>
</tr>
<tr>
<td><strong>2031 NH₄OAc (buffered at pH 7) extractable bases Ca, Mg, K, Na</strong></td>
<td>$30.00</td>
</tr>
<tr>
<td><strong>2032 NH₄OAc (buffered at pH 7) extractable Cation Exchange Capacity (CEC)</strong></td>
<td>$36.00</td>
</tr>
<tr>
<td><strong>2041 NH₄Cl (unbuffered) extractable bases Ca, Mg, K, Na</strong></td>
<td>$30.00</td>
</tr>
<tr>
<td><strong>2042 NH₄Cl (unbuffered) extractable CEC.</strong></td>
<td>$36.00</td>
</tr>
<tr>
<td><strong>2730 Kjeldahl Nitrogen</strong></td>
<td>Currently in Development</td>
</tr>
<tr>
<td><strong>2735 Total carbon and Total nitrogen (combustion analysis)</strong></td>
<td>$7.00</td>
</tr>
<tr>
<td><strong>2736 Total carbon, Total nitrogen, Total hydrogen, and Total sulfur (combustion analysis)</strong></td>
<td>$20.00</td>
</tr>
<tr>
<td><strong>2740 Inorganic carbon (Must include Total Carbon and Organic Carbon)</strong></td>
<td>$30.00</td>
</tr>
</tbody>
</table>

Customized Analysis. Please fill out (NEW) CA Submission Form

**Soil Health Assessment Chemical Tests / a la carte tests from Soil Health Assessment**

For complete Soil Health Assessment Tests Packages see the Soil Health submission form [http://soilhealth.cals.cornell.edu](http://soilhealth.cals.cornell.edu)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>2820 Potentially Mineralizable Nitrogen (PMN)</strong></td>
<td>$29.00</td>
</tr>
<tr>
<td><strong>2821 Texture, Wet Aggregate Stability, Available Water Capacity, Active C, Bean Root Bioassay, Soil Respiration</strong></td>
<td>$15.00</td>
</tr>
<tr>
<td><strong>Circle the test(s) you need from these 6 choices</strong></td>
<td>$18.00</td>
</tr>
<tr>
<td><strong>2822 Auto clave Citrate Extractable (ACE) Protein test</strong></td>
<td>$18.00</td>
</tr>
</tbody>
</table>

**Total Elemental Analysis/Heavy Metal Screening** (**NEW** Suggested Method for Home Gardeners) (replacement for 2020)

For complete information, please see the Soil Health submission form [http://soilhealth.cals.cornell.edu](http://soilhealth.cals.cornell.edu)

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<tr>
<td><strong>2021 Heavy Metals and Trace Elements</strong></td>
<td>$30.00</td>
</tr>
<tr>
<td><strong>2022 Ag analysis (silver in soil)</strong></td>
<td>$20.00</td>
</tr>
</tbody>
</table>

**Extractable Nutrients/Elements**

<table>
<thead>
<tr>
<th>Test Description</th>
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</tr>
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<tbody>
<tr>
<td><strong>2503 NH₄ (KCl extraction; colorimetric method)</strong></td>
<td>$12.50</td>
</tr>
<tr>
<td><strong>2506 NO₃ + NO₂ (KCl extraction; colorimetric method)</strong></td>
<td>$15.00</td>
</tr>
<tr>
<td><strong>2511 2503 NH₄ and 2506 NO₃ + NO₂ (KCl extraction; colorimetric method)</strong></td>
<td>$17.00</td>
</tr>
<tr>
<td><strong>1230 DTPA extraction (pH 7.3) for micronutrients (Fe, Mn, Cu, and Zn)</strong></td>
<td>$15.00</td>
</tr>
<tr>
<td><strong>1860 Hot water-soluble boron (B)</strong></td>
<td>$15.00</td>
</tr>
</tbody>
</table>

**Soil Physical Characteristics**

<table>
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<tr>
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<tbody>
<tr>
<td><strong>1885 Particle size distribution (soil texture)</strong></td>
<td>$75.00</td>
</tr>
<tr>
<td><strong>Anticipate 4-5 weeks for the completion of the test (depends on the organic matter content of the sample)</strong></td>
<td>$75.00</td>
</tr>
<tr>
<td><strong>1890 Sand content (sieve)</strong></td>
<td>$24.00</td>
</tr>
<tr>
<td><strong>1940 Moisture retention curve (5 point)</strong></td>
<td>$75.00</td>
</tr>
<tr>
<td><strong>1950 Moisture content at 10 bar</strong></td>
<td>$30.00</td>
</tr>
<tr>
<td><strong>1960 Moisture content at 0.33 bar</strong></td>
<td>$30.00</td>
</tr>
</tbody>
</table>

**Lime Analyses:**

<table>
<thead>
<tr>
<th>Test Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>2610 Complete lime analysis: calcium carbonate equivalent, total elements</strong> (P, K, Ca, Mg)**</td>
<td>$75.00</td>
</tr>
<tr>
<td><strong>Particle size, and moisture content</strong></td>
<td></td>
</tr>
<tr>
<td><strong>2611 Calcium carbonate equivalent and moisture content</strong></td>
<td>$17.00</td>
</tr>
<tr>
<td><strong>2613 Total elements and moisture content</strong></td>
<td>$20.00</td>
</tr>
</tbody>
</table>