

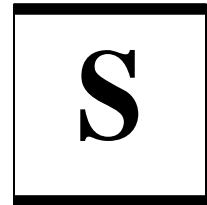


**CORNELL NUTRIENT ANALYSIS LABORATORY**

306 Tower Rd., 804 Bradfield Hall, Ithaca, NY 14853

Phone: (607) 255-4540; Fax: (607) 255-7656

Email: soiltest@cornell.edu; Web: http://cnal.cals.cornell.edu



**SOIL ANALYSIS**

**Contact Information**

Name \_\_\_\_\_ Company/Department \_\_\_\_\_  
 Address \_\_\_\_\_ Telephone/Fax \_\_\_\_\_  
 City \_\_\_\_\_ Email \_\_\_\_\_  
 State \_\_\_\_\_ Zip \_\_\_\_\_  
 County/State of Soil Origin\*\* (required) \_\_\_\_\_

**Sample Information-Please include State + County from which the soil originates \*\*\*\*\***

Sample Description: (need consecutive #'s, no missing numbers) \_\_\_\_\_

Submission Date / / Number of Samples \_\_\_\_\_

**Clients with a Cornell email please** contact Beth Woodring (eab13) and request a submission form to use. \*\*\*

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:

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 Soil from Restricted areas or Quarantine samples. \*\*\*\*\***  
 See details on restricted areas on our website:  
<http://cnal.cals.cornell.edu>

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. Use sample ID form attached. After filling out the ID form please email it to [soiltest@cornell.edu](mailto:soiltest@cornell.edu), save a copy for your records, and mail a copy to CNAL with your sample & submission form.

If analysis request is redacted after lab processing begins, samples will still be charged 50% of total fee.

**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.**

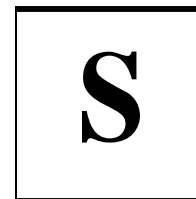


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**SOIL ANALYSIS**

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

**Soil Fertility Analyses: (NO recommendations with this analysis.)** **Cost per Sample**

- 1060 Soil Fertility Test Package (Extraction or Modified Morgan, Morgan, Mehlich I, or Mehlich III extractable) Includes: Al, Ca, Cu, Fe, K, Mg, Mn, Mo, Na, P, S, Zn (ICP); pH; and organic matter (LOI).....\$25.00
- 1061 Soil Extraction or Modified Morgan, Morgan, Mehlich I, or Mehlich III extractable) Includes: Al, Ca, Cu, Fe, K, Mg, Mn, Mo, Na, P, S, Zn (ICP)..... \$15.00  
\*\*\* If other elements are required for your research please let us know\*\*\*
- 1050 Nitrate and ammonium (see PSNT submission form)..... \$15.00

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

- 1810 Organic matter [(Loss on ignition (LOI) method)].....\$9.00
- 1820 pH in water.....\$9.00
- 1830 pH in 0.01 M CaCl<sub>2</sub>.....\$9.00
- 1880 Soluble salts (conductivity)..... \$8.00
- 1840 Buffer pH (Modified Mehlich buffer).....\$9.00
- 2031 NH<sub>4</sub>OAc (buffered at pH 7) extractable bases Ca, Mg, K, Na..... \$30.00
- 2032 NH<sub>4</sub>OAc (buffered at pH 7) extractable Cation Exchange Capacity (CEC)..... \$30.00
- 2041 NH<sub>4</sub>Cl (unbuffered) extractable bases Ca, Mg, K, Na ..... \$30.00
- 2042 NH<sub>4</sub>Cl (unbuffered) extractable CEC.....\$36.00
- 2736 Total carbon and nitrogen (CN) .....\$10.00
- 2737 Total Carbon, Total Nitrogen, Total Hydrogen (combination analysis for 10-15mg sample size)..... \$15.00
- 2740 Organic Carbon, Elemental Carbon, Inorganic Carbon **NEW**.....\$30.00

**Soil Health Assessment Chemical Test** **Cost per Sample**

- 2820 Potentially Mineralizable Nitrogen (PMN)..... \$45.00

For the Cornell Soil Health Laboratory [Soil Health Packages](#) and [Individual Soil Health Analyses](#) including Active Carbon, Available Water Capacity, Bean Root Bio-Assay, Soil Protein, Soil Respiration, Texture and Wet Aggregate Stability, Moisture Content (at 15 bar, at 0.33 bar)and Retention curve (5 point)please visit: <https://soilhealth.cals.cornell.edu/>

**Total Elemental Analysis/Heavy Metal Screening** **Cost per Sample**

- 2021 Heavy Metals and Trace Elements (**includes Lead**) **Suggested Method for Home Gardeners** Includes: Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Se, Sr, Ti,V, Zn.....\$30.00
- 2022 Ag analysis (silver in soil)..... \$20.00
- 2024 Hg scan /acid digest..... \$20.00

**Extractable Nutrients/Elements** **Cost per Sample**

- 2503 NH<sub>4</sub> (KCl extraction; colorimetric method)..... \$13.00
- 2506 NO<sub>3</sub> + NO<sub>2</sub> (KCl extraction; colorimetric method)..... \$13.00
- 2511 2503 NH<sub>4</sub> and 2506 NO<sub>3</sub> + NO<sub>2</sub> (KCl extraction; colorimetric method).....\$15.00
- DTPA extraction (pH 7.3) for micronutrients (Fe, Mn, Cu, and Zn)..... \$20.00
- 1860 Hot water-soluble boron (B) ..... \$15.00

**Soil Physical Characteristics** **Cost per Sample**

- 1885 Particle size distribution (soil texture).....\$80.00  
Please anticipate 4-5 weeks for the completion of the test (depends on the organic matter content of the sample)
- 1890 Sand content (sieve).....\$24.00

\*\*\* Any samples submitted in solution that need to be diluted before running analysis will be charged an additional \$2.00/sample\*\*\*