JANUARY 2017

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

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SOIL ANALYSIS

Contact Information

Name_____ Company/Department_____

Address_____ Telephone/Fax_____

City_____ Email _____

County**(required)_____

State**_____Zip_____

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

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

Submission Date / / Number of Samples _____

Cornell researchers please contact the lab regarding special arrangements prior to sample submission.

☐ 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 , 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

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For Fertilizer Recommendations, please submit your soil sample and payment directly to: ***Agro-One:www.dairyone.com/AgroOne***

Soil Fertility Analyses: (**NO** recommendations with this analysis.).	**Cost per Sample**
☐ 1060 Soil Fertility Test Package #2 [Modified Morgan, Mehlich I, or Mehlich III extractable Includes: Al, As, B, Ba, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sr, Zn (ICP); pH; buffer pH (Modified Mehlich); and organic matter (LOI)]	$25.00
☐ 1050 Pre-Side dress Nitrogen Test (PSNT), nitrate only (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 $CaCl_2$	$9.00
☐ 1880 Soluble salts (conductivity)	$8.00
☐ 1840 Buffer pH (Modified Mehlich buffer)	$9.00
☐ 2031 NH_4OAc (buffered at pH 7) extractable bases Ca, Mg, K, Na	$30.00
☐ 2032 NH4OAc (buffered at pH 7) extractable Cation Exchange Capacity (CEC).	$36.00
☐ 2041 NH_4Cl (unbuffered) extractable bases Ca, Mg, K, Na.	$30.00
☐ 2042 NH_4Cl (unbuffered) extractable CEC	$36.00
☐ 2736 Total carbon and nitrogen (CN) NEW.	$10.00
☐ 2740 Inorganic carbon (Must include Total Carbon and Organic Carbon).	$30.00
Customized **A**nalysis……Please fill out (NEW) **CA** Submission Form	
☐ 2737 Total Carbon, Total Nitrogen, Total Hydrogen (combination analysis for 10-15mg sample size)	$15.00

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 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
☐ 2070 Chloride analysis/ Hot Water Extractable	$15.00

Extractable Nutrients/Elements	**Cost per Sample**
☐ 2503 NH_4 (KCl extraction; colorimetric method)	$13.00
☐ 2506 $NO_3 + NO_2$ (KCl extraction; colorimetric method)	$13.00
☐ 2511 2503 NH_4 and 2506 $NO_3 + NO_2$ (KCl extraction; colorimetric method)	$15.00
☐ 1230 DTPA extraction (pH 7.3) for micronutrients (Fe, Mn, Cu, and Zn)	$15.00
☐ 1860 Hot water-soluble boron (B)	$15.00

Soil Physical Characteristics	**Cost per Sample**
☐ 1885 Particle size distribution (soil texture) …	$80.00
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
☐ 1940 Moisture retention curve (5 point)	$80.00
☐ 1950 Moisture content at 15 bar	$35.00
☐ 1960 Moisture content at 0.33 bar	$35.00

Lime Analyses:	**Cost per Sample**
☐ 2610 Complete lime analysis: calcium carbonate equivalent, total elements (P, K, Ca, Mg). Particle size, and moisture content	$75.00
☐ 2611 Calcium carbonate equivalent and moisture content	$20.00
☐ 2613 Total elements and moisture content	$22.00

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