SOIL ANALYSIS

Sample Information—Please include State + County from which the soil originates ________________________________

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

Submission Date _____/_____/______  Number of Samples ______

Clients with a Cornell email please go to: https://cnal.cals.cornell.edu/ for submission forms.

□ 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.
□ 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. A15% surcharge will be added for all Soil from Restricted areas or Quarantine samples.
□ Details on restricted areas on our website: http://cnal.cals.cornell.edu
□ Additional sample processing required. Please contact lab with details.

Difficult Sample Surcharge of $5.00 each applied if soil requires extra processing to analyze.

Please fill out the Sample ID form found at: https://cnal.cals.cornell.edu/ and attach it to the test submission form if you are sending multiple samples.

Payment Information:

□ Credit Card using the link on your invoice notification.

□ Checks made payable to CNAL, sent to: Cornell Nutrient Analysis Lab, P.O. Box 6634, Ithaca, NY 14851

□ Account/PO ________________

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

Internal office uses only

Check # or Business Acct # ____________

Purchase Order (PO) No. ____________

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

Anticipate 2-3 weeks for the completion of tests.
**SOIL ANALYSIS**

**Soil Fertility Analyses:** *(NO Recommendations with this analysis)*

- **1060 Soil Fertility Test Package (Extraction or Modified organ, 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
- **1062 Home Gardeners Package (NEW)** 1060-Soil Fertility, pH & organic matter plus 2021-heavy metals ........ $50.00

**pH, EC, OM, TN, TC, Exchangeable Cations**

- **1810 Organic matter**(Loss ignition (LOI) method) ........................................................................................................... $9.00
- **1820 pH in water.** .......................................................................................................................................................... $9.00
- **1830 pH in 0.01 M CaCl2 ......................................................................................................................................................... $9.00
- **1880 Soluble salts (conductivity) ............................................................................................................................... $8.00
- **2031 NH4OAc (buffered at pH 7) extractable bases Ca, Mg, K, Na ........................................................ $30.00
- **2032 NH4OAc (buffered at pH 7) extractable Cation Exchange Capacity (CEC) ................................................................. $30.00
- **2041 NH4Cl (unbuffered) extractable bases Ca, Mg, K, Na ......................................................................................... $25.00
- **2042 NH4Cl (unbuffered) extractable CEC ....................................................................................................................... $33.00
- **2736 Total carbon and nitrogen (CN) ......................................................................................................................... $10.00
- **2737 Total Carbon, Total Nitrogen, Total Hydrogen (combination analysis for 10-15mg sample size) ....................... $15.00

**Total Elemental Analyses/Heavy Metal Screening**

- **2021 Toxic Metals and Trace Elements Includes: Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, S, Se, Sr, Ti, V, Zn ................................................................................................................ $30.00
- **2022 Toxic Metal Package (NEW): 2021 plus pH (Suggested Method for Home Gardeners) ........................................ $35.00
- **2023 Ag analysis (silver in soil) ................................................................................................................................. $20.00

**Extractable Nutrients/Elements**

- **2503 NH4 (KCl extraction; colorimetric method) ................................................................. $13.00
- **2506 NO3 + NO2 (KCl extraction; colorimetric method) .......................................................... $13.00
- **2511 (PSNT) 2503 NH and 2506 NO3 + NO2 (KCl extraction; colorimetric method) .............. $15.00
- **1230 DTPA extraction(pH7.3) for micronutrients (Fe, Mn, Cu, Zn) ........................................ $20.00
- **1860 Hot water -soluble boron(B) ................................................................................................. $15.00
- **2820 Potentially Mineralizable Nitrogen (PMN) ........................................................................ $45.00

**Soil Physical Characteristics**

- **1890 Sand content (sieve) ................................................................................................................................. $24.00

**Special test for research (NEW)**

- **2025 Sequential extraction for heavy metals (water pH=7, Modified Morgan pH= 4.8, Mehlich-III pH=2.5, Digestion) ................................................................. $80.00