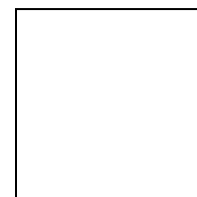




CORNELL NUTRIENT ANALYSIS LABORATORY

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



SOIL ANALYSIS

Soil Fertility Analyses: (NO recommendations with this analysis).	Cost per Sample
<input type="checkbox"/> 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
<input type="checkbox"/> 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
<input type="checkbox"/> 1810 Organic matter [(Loss on ignition (LOI) method)]	\$9.00
<input type="checkbox"/> 1820 pH in water	\$9.00
<input type="checkbox"/> 1830 pH in 0.01 M CaCl ₂	\$9.00
<input type="checkbox"/> 1880 Soluble salts (conductivity)	\$8.00
<input type="checkbox"/> 1840 Buffer pH (Modified Mehlich buffer)	\$9.00
<input type="checkbox"/> 2031 NH ₄ OAc (buffered at pH 7) extractable bases Ca, Mg, K, Na	\$30.00
<input type="checkbox"/> 2032 NH ₄ OAc (buffered at pH 7) extractable Cation Exchange Capacity (CEC)	\$36.00
<input type="checkbox"/> 2041 NH ₄ Cl (unbuffered) extractable bases Ca, Mg, K, Na	\$30.00
<input type="checkbox"/> 2042 NH ₄ Cl (unbuffered) extractable CEC	\$36.00
<input type="checkbox"/> 2736 Total carbon/nitrogen/hydrogen (combination analysis)	\$13.00
<input type="checkbox"/> 2740 Inorganic carbon (Must include Total Carbon and Organic Carbon)	\$30.00
<input type="checkbox"/> Customized Analysis..... Please fill out (NEW) CA Submission Form	

Soil Health Assessment Chemical Tests /a la carte tests from Soil Health Assessment **Cost per Sample**
For complete Soil Health Assessment Tests Packages see the Soil Health submission form <http://soilhealth.cals.cornell.edu>

<input type="checkbox"/> 2820 Potentially Mineralizable Nitrogen (PMN)	\$45.00
<input type="checkbox"/> 2821 Texture, Wet Aggregate Stability, Available Water Capacity, Active C, Bean Root Bioassay, Soil Respiration	
Circle the test(s) you need from these 6 choices	\$20.00
<input type="checkbox"/> 2822 Autoclave Citrate Extractable (ACE) Protein test	\$20.00

Total Elemental Analysis/Heavy Metal Screening	Cost per Sample
<input type="checkbox"/> 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
<input type="checkbox"/> 2022 Ag analysis (silver in soil)	\$20.00
<input type="checkbox"/> 2070 Chloride analysis/ Hot Water Extractable	\$15.00

Extractable Nutrients/Elements	Cost per Sample
<input type="checkbox"/> 2503 NO ₄ (KCl extraction; colorimetric method)	\$13.00
<input type="checkbox"/> 2506 NO ₃ + NO ₂ (KCl extraction; colorimetric method)	\$13.00
<input type="checkbox"/> 2511 2503 NH ₄ and 2506 NO ₃ + NO ₂ (KCl extraction; colorimetric method)	\$15.00
<input type="checkbox"/> 1230 DTPA extraction (pH 7.3) for micronutrients (Fe, Mn, Cu, and Zn)	\$15.00
<input type="checkbox"/> 1860 Hot water-soluble boron (B)	\$15.00

Soil Physical Characteristics	Cost per Sample
<input type="checkbox"/> 1885 Particle size distribution (soil texture) ... Anticipate 4-5 weeks for the completion of the test (depends on the organic matter content of the sample)	\$80.00
<input type="checkbox"/> 1890 Sand content (sieve)	\$24.00
<input type="checkbox"/> 1940 Moisture retention curve (5 point)	\$80.00
<input type="checkbox"/> 1950 Moisture content at 15 bar	\$35.00
<input type="checkbox"/> 1960 Moisture content at 0.33 bar	\$35.00

Lime Analyses:	Cost per Sample
<input type="checkbox"/> 2610 Complete lime analysis: calcium carbonate equivalent, total elements (P, K, Ca, Mg)..... Particle size, and moisture content	\$75.00
<input type="checkbox"/> 2611 Calcium carbonate equivalent and moisture content	\$20.00
<input type="checkbox"/> 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 ***