

2025 SOIL HEALTH AND FERTILITY ANALYSIS

Please indicate test option(s) on p1 of Sample Request Form.

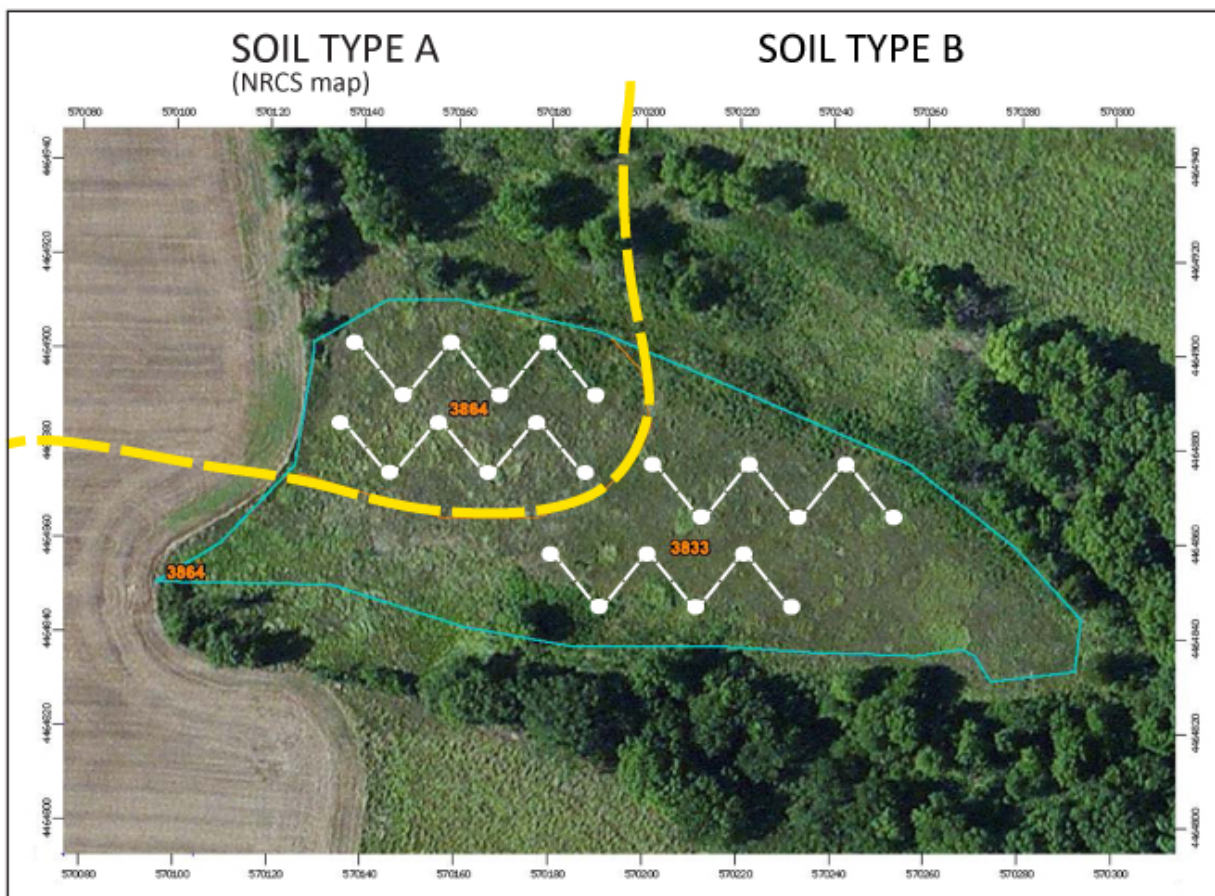
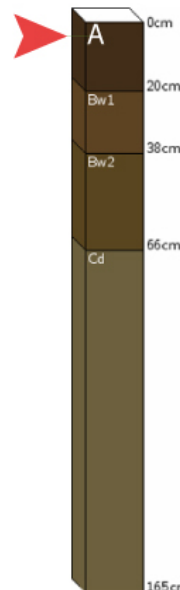
1. **BASIC SOIL HEALTH ANALYSIS: (Code #100w - \$55)** – Solvita CO₂ Burst, Solvita SLAN, VAST (Aggregate Stability), WSOC, Nitrate, C:N, Respirate Quotient.
2. **PREMIUM SOIL HEALTH ANALYSIS w/ OM: (Code #100P-OM - \$75)** – Includes Basic Soil Health Analysis PLUS: P in CO₂ Carbonated Water, K, Na, Ca, Mg, Al, Storage P in Mehlich Extract, pH, C:N Ratio and Soil OM.
3. **PREMIUM SOIL HEALTH ANALYSIS w/ TC: (Code #100P-TC - \$75)** – Includes Basic Soil Health Analysis PLUS: P in CO₂ Carbonated Water, K, Na, Ca, Mg, Al, Storage P in Mehlich Extract, pH, C:N Ratio and Soil Total Carbon.
4. **PREMIUM SOIL HEALTH ANALYSIS w/ OM/TC: (Code #100P-OM/TC - \$85)** – Includes Basic Soil Health Analysis PLUS: P in CO₂ Carbonated Water, K, Na, Ca, Mg, Al, Storage P in Mehlich Extract, pH, C:N Ratio, Soil Organic Matter and Total Carbon.
5. **BASIC FERTILITY: (Code #115 - \$20)** – pH, P, K, Mg, CEC, est. OM, lime recommendations.
6. **COMPLETE FERTILITY: (Code #108 - \$30)** – Basic Fertility PLUS: Ca, Na, Al, Cu, Zn, B, Fe.
7. **ADDITIONAL OR INDIVIDUAL TESTS:**
 - **TOTAL CARBON (Code #100 TC - \$20):** Total Carbon by dry combustion.
 - **TOTAL NITROGEN (Code #100 TN - \$15):** Total Nitrogen by dry combustion.
 - **TOTAL ORGANIC CARBON (Code #113 - \$25):** Total Organic Carbon (Measurement of Total Carbon and Total Inorganic Carbon).
 - **WATER SOLUBLE ORGANIC CARBON: (Code #111 - \$25):** WSOC by combustion.
 - **ACTIVE CARBON (Code # 135 - \$30):** Active Carbon by POx-C method.
 - **SOIL TEXTURE (Code #124 - \$25):** Soil texture by hydrometer and wet sieving.
 - **MICRONUTRIENT ANALYSIS (Code #190 - \$35):** B, Fe, Mn, Zn, Cu on ICP (if add to Premium Soil Health, \$20).
 - **VAST (Code #100V - \$15):** Volumetric Aggregate Stability Test.
 - **SLAN (Code #105A - \$25):** Solvita SLAN, read by Digital Color Reader.
 - **BASAL (Code #105B - \$25):** Solvita Basal Respiration test, read by Digital Color Reader.
 - **CO₂ BURST (Code #105C - \$25):** Solvita CO₂ Burst Respiration test, read by Digital Color Reader.
 - **CO₂ BURST / SLAN (Code #105D - \$40):** Solvita CO₂ Burst Respiration & Solvita SLAN tests, read by Digital Color Reader.
 - **HEAVY METAL ANALYSIS (Code #185 - \$150):** Cd, Cu, Pb, Ni, Zn, Hg, As, Se (by hot acid digestion).
 - **IRTH: Multi-day respiration (Code #106 IR - \$125):** Multi-day CO₂ Respiration, 24 hours up to 4 days-1 reading. For a longer time period, please inquire.
 - **CEMA 216 BASIC SOIL HEALTH TEST PACKAGE (Code #415 - \$160):** Total Organic Carbon, VAST, Active Carbon, Soil Texture, pH 1:1 in water, pH 0.01 M CaCl₂, CO₂ Burst (24hr).
 - **CEMA 216 MINIMUM SUITE OF SOIL HEALTH INDICATORS (Code #410 - \$90):** Total Organic Carbon, CO₂ Burst (24hr), VAST, Soil Texture.

DON'T SEE THE TEST OPTION YOU ARE LOOKING FOR? CONTACT US AT:

WOODS END LABORATORIES LLC
150 Whitten Rd, Augusta ME 04330 USA
lab@woodsend.com Phone: 1-207-293-2457

HOW TO SAMPLE SOIL FOR TESTING

TO COLLECT A REPRESENTATIVE SOIL SAMPLE: The area sampled should be fairly uniform. As many sub-samples as possible should be taken. If the field is uneven, has differing soil types, or differing management, it is wise to break the area into separate samples. *It may be helpful to consult a soil map to locate soil type boundaries- see links below for online maps. We will provide this service to you in advance if you wish.* If Grid Sampling is used some of this natural variation is segmented into smaller blocks but each block must be thoroughly sub-sampled. The example below from an actual soil map shows how to split sampling a field with two soil types. Within each zone, select a minimum of 12 locations (dots shown on map). Take a topsoil sample at each point (A-Horizon - see figure right from soil app). *In some cases, sampling the “sub-soil” or B-horizon is also useful; this should be separately marked.* Mix the individual soils well from all sub-samples within each area and combine into one sample of about 1-pint to fill a soil sample bag. Place it in a container for mailing. INDICATE DEPTH THE SAMPLE WAS TAKEN AND THE TYPE OF TOOL USED TO OBTAIN THE SAMPLE.



MAP - NRCS SOIL MAP TOOL: <http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

Alternate mapping: <https://casoilresource.lawr.ucdavis.edu/gmap/>