



**Woods End  
Laboratories**  
LLC

~ a GLP Laboratory ~

## SOIL SAMPLE SUBMITTAL FORM 2025 SOIL HEALTH AND FERTILITY

**Mail samples to:**

Woods End Laboratories  
150 Whitten Rd.  
Augusta, ME 04330  
ph +1-207-293-2457  
[lab@woodsend.com](mailto:lab@woodsend.com)

<b>**Farm / Organization:</b>  Contact:  Address:  City, State, Zip:	Samples From (Farm Name):  Phone Number:  E-mail Reports to:  Print report requested?
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**Payment Information:**

Check enclosed?

Amount:

Credit Card #:

Name on card / Sig:

Expiration Date:

CVV:

To pay online click here: <https://solvita.com/product/soil-health-testing/>

Sample #	Sample # and Description	Field Location (nearest zip or GPS tag)	Intended Crop	Yield Goal (bu, tons, etc)	100P-OM/TC \$85	100P-OM \$75	100P-TC \$75	100W \$55	108 \$30	115 \$20	Other Tests
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

**100P Premium Soil Health Analysis:** Includes Basic Soil Health test plus: P in CO2 Carbonated Water and K, Na, Ca, Mg, Storage P in Mehlich Extract, pH, C:N ratio (with choice of soil OM or TC, or both)

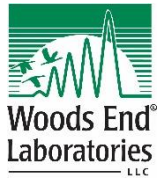
**100W Basic Soil Health Analysis:** Solvita CO2-Burst, Solvita SLAN, VAST (Aggregate Stability), WSOC, Nitrate, C:N, Respirant Quotient

**108 Complete Fertility:** Basic Fertility + Ca, Na, Al, Cu, Zn, B, Fe

**115 Basic Fertility:** pH, P, K, Mg, CEC, est. OM, lime recommendations

For an overview of our soil test offerings, see page 2 or visit <https://woodsend.com/soil-health-test/>

**\*\*Filling out this form constitutes a contract agreement for selected services.**



# 2025 SOIL HEALTH AND FERTILITY ANALYSIS

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

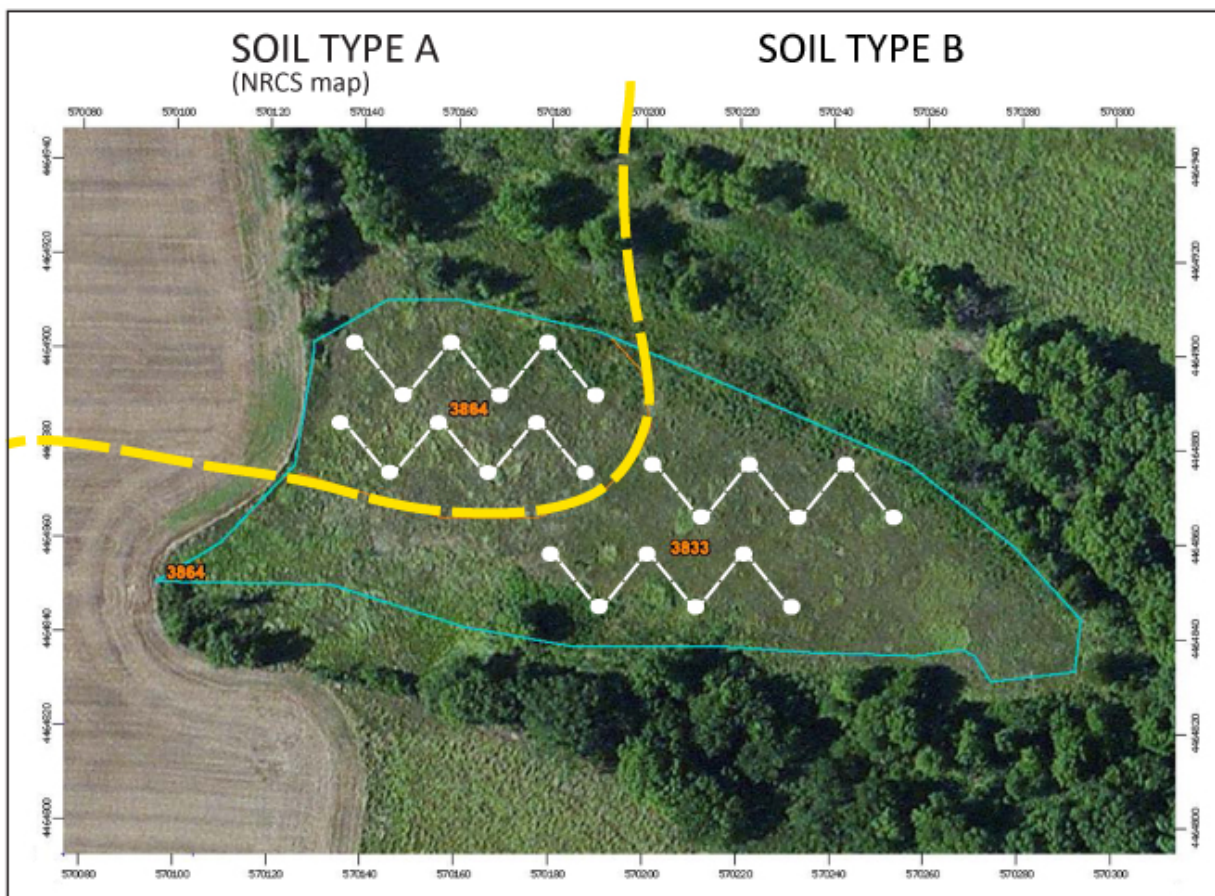
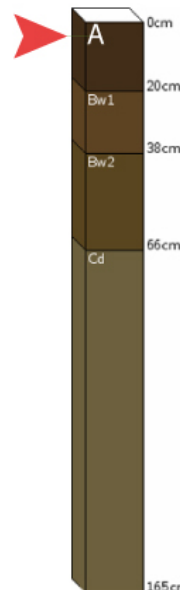
1. **BASIC SOIL HEALTH ANALYSIS: (Code #100w - \$55)** – Solvita CO<sub>2</sub> Burst, Solvita SLAN, VAST (Aggregate Stability), WSOC, Nitrate, C:N, Respirate Quotient.
2. **PREMIUM SOIL HEALTH ANALYSIS w/ OM: (Code #100P-OM - \$75)** – Includes Basic Soil Health Analysis PLUS: P in CO<sub>2</sub> Carbonated 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 CO<sub>2</sub> 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 CO<sub>2</sub> 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.
  - **CO<sub>2</sub> BURST (Code #105C - \$25):** Solvita CO<sub>2</sub> Burst Respiration test, read by Digital Color Reader.
  - **CO<sub>2</sub> BURST / SLAN (Code #105D - \$40):** Solvita CO<sub>2</sub> 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 CO<sub>2</sub> 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 CaCl<sub>2</sub>, CO<sub>2</sub> Burst (24hr).
  - **CEMA 216 MINIMUM SUITE OF SOIL HEALTH INDICATORS (Code #410 - \$90):** Total Organic Carbon, CO<sub>2</sub> 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@woodsendlab.com](mailto:lab@woodsendlab.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/>