

**REQUEST FOR ANALYSIS (RFA) 2024**

**Composts, Manure, Growing Media**

*Please call ahead if required test package is not listed*

**MAIL SAMPLES TO:**  
 Woods End Laboratories LLC  
 150 Whitten Rd.  
 Augusta, ME 04330  
 PH: 207-293-2457

~ a GLP and STA certified Laboratory ~

Your Woods End Acct #: _____ Company: _____ Address: _____ City, State, (Prov), Zip: _____	Hard Copy Requested <input type="checkbox"/> Contact Name: _____ Email: _____ Telephone: _____ Your Project #: _____
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**Payment Info:**     Check enclosed    Amount: \_\_\_\_\_  
 Credit Card #: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_    Exp Date: \_\_\_\_\_ / \_\_\_\_\_    Sec Code: \_\_\_\_\_  
 Name on Card: \_\_\_\_\_    Signature: \_\_\_\_\_

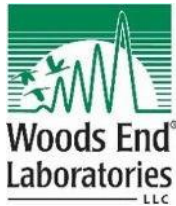
**TO PAY ONLINE CLICK HERE:** <https://solvita.com/product/compost-testing/>

	Sample Description	Sample ID	Date Sampled	101	110	116 STA	202	710a	Other tests
1									
2									
3									
4									
5									
6									

**\*\*SEE PAGE 2 FOR TEST DESCRIPTIONS AND PRICING\*\***

**NOTE:** This form constitutes a request for service. Laboratory reserves the right to dispose of samples if received without information required.

**FORM ID 107-A**



# 2024 COMPOST QUALITY ANALYSES

## Quality and Potential Interaction of Carbon Containing Amendments with the Soil and Plant Environment

**INTEGRATED ANALYSES:** (for composts, organic fertilizers, carbon compounds)

Below are suggested categories of quality analyses that may be selected for processed soil amendment and compost materials you wish to have evaluated at Woods End Laboratories.

CATEGORIES (must select category for Sample Request Form on p1):

- 1. STANDARD QUALITY: (Code #101 - \$225)** – *Basic integrated and practical* compost quality test. This test is designed to reveal the overall balance of ingredients both physically and biologically, indicating both completeness of composting (maturity, volatile ammonia) and C:N ratio. Tests include: wet density, total solids, moisture, water holding capacity, pH, free carbonates, conductivity (EC), total organic matter, total nitrogen, C:N, ash content, Solvita® Maturity Index.
- 2. PREMIUM ANALYSIS: (Code #110 - \$375)** – *Comprehensive Quality Test*. Includes all Basic Components (#101 above) **plus** total minerals (Ca, P, K, Na, Mg), soluble nitrogen (Ammonium and Nitrate), Trace Elements/Metals: Cu, Mn, Fe, Pb, Cr, Cd, Ni. Does not include EPA Metals Hg, As, Se, Mo.
- 3. STA COMPOST ANALYSIS: (Code #116 STA - \$400)** – Complete testing package to support USCC Seal of Testing Assurance (STA) program. Test includes Total Solids, Total Nitrogen, Phosphorus, Potassium, Calcium, Magnesium, Copper, Zinc, pH, Arsenic, Cadmium, Lead, Mercury, Nickel, Selenium, Phosphate, Potash, OM, Ash, Seedling Germination and Vigor, CO<sub>2</sub> Evolution, Fecal Coliform or Salmonella, Soluble Salts, Bulk Density, Moisture, Particle Size
- 4. PLANT RESPONSE: (Code #202 - \$250)** – *An excellent test to reveal diverse plant response*. This integrated plant bioassay provides essential information for quality of growth of 3 different plant genera (Garden Cress, Wheat-Grass and Red Clover) from germination to emergence and early growth, and the presence of potentially harmful herbicidal residue and the calculated risk groups for plant growing. Also includes quantity of germinal weed seeds.
- 5. PREMIUM AND BEST USE CLASSIFICATION: (Code #710a - \$625)** – Used for Compost Quality Certification. *A robust protocol combining test data and a mathematical-array procedure to statistically validate a product for its highest and best-use potential*. This test combines the above test categories of *Premium Analysis* and *Plant Response* (#110, #202) used as input to a horticultural matrix-array which selects one of 5 Use-Groups as the one that scores the best, showing 2<sup>nd</sup> place and statistical score. A well-proven means to identify the probable best-use category of any growing-media product.
- 6. ADDITIONAL OR INDIVIDUAL TESTS:**
  - **Solvita Maturity Index (Code #105 - \$25):** 4 hr CO<sub>2</sub> respiration and NH<sub>3</sub> with CMI calculation.
  - **Total Carbon (Code #113a - \$30):** for Carbon sequestration and more accurate C:N calculation.
  - **Multi-Day CO<sub>2</sub> Respiration (Code #106 IR - \$125):** IRT<sup>®</sup> 24hr to 4-day CO<sub>2</sub> respiration, 1 reading.
  - **Particle Size Sieve, Level 1 (Code #109 - \$75):** sieving of compost fractions from 3/8" to 2mm.
  - **Man-Made Inerts Level 2 (Code #Inerts - \$225):** sieve test of particle sizes from 3/4" down to 2mm. Size Groups and Man-Made Inerts Classification (Percentage in plastic, metal, glass, debris).
  - **Dewar Self-Heating (Code #203 - \$125):** 5-day self-heating test, European standard

WOODS END LABORATORIES LLC  
150 Whitten Rd, Augusta ME 04330 USA

[lab@woodsendlab.com](mailto:lab@woodsendlab.com)

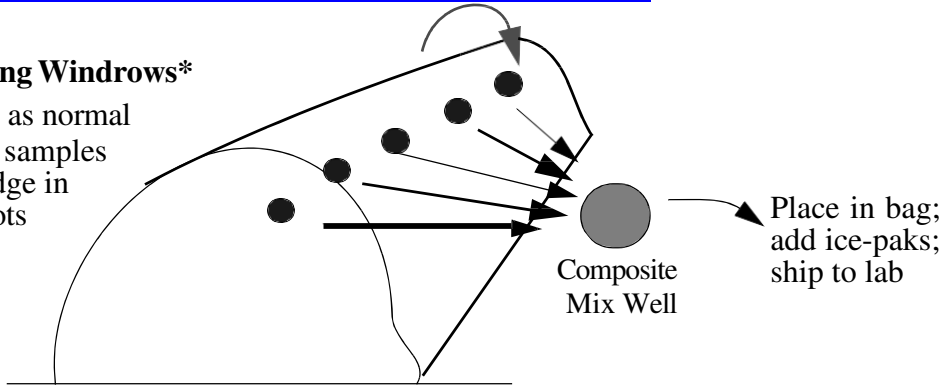
Phone: +1-207-293-2457

~ A GLP Laboratory ~

# SAMPLE PILES THOROUGHLY!

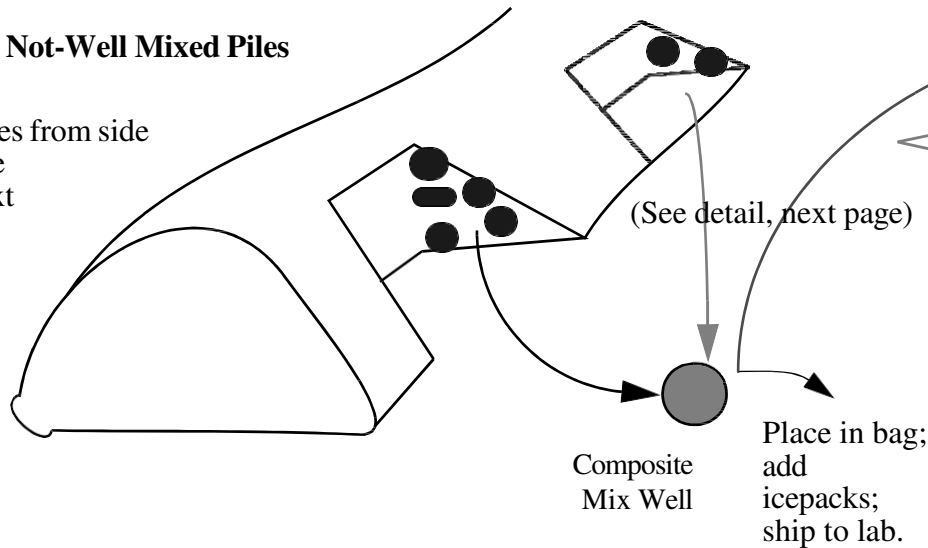
## A. Sampling Windrows\*

- Mix pile as normal
- Remove samples along edge in 5-10 spots



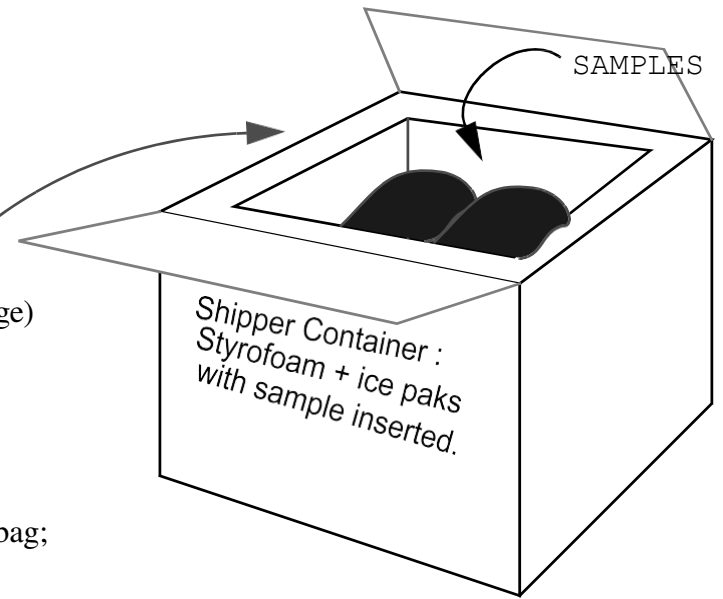
## B. Sampling Not-Well Mixed Piles

- Cut into pile
- Take samples from side exposed edge
- Cut into next location, etc.



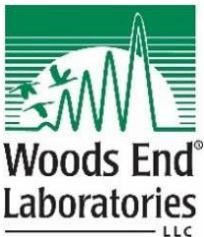
## Source Of Sample Shipping Containers:

- Use your chosen search engine or go to:
- [www.uline.com](http://www.uline.com) 1-800-295-5510
  - [Thermosafe.com](http://Thermosafe.com) 1-800-323-7442



A. Well Mixed Piles\* (turned within 4 hours): Take 5 sub-samples each from each side of pile; mix-well in bucket and remove 1-gallon and ship to lab in cardboard/styrofoam containers with icepaks.

B: Not Well-Mixed piles: Cut cross-section with loader; take 5-sub-samples each from sidewall of cut; repeat operation at 3-5 other locations; remove 1-gallon and ship to lab with ice-paks.



\* Note - for sealed piles such as Polyflex or Gore-Tex material must be sampled as in Figure A. Double the number of sub-samples to make a composite if no mixing has been done.

## **SEND SAMPLES TO:**

Woods End Laboratories LLC  
150 Whitten Road  
Augusta ME 04330 USA