

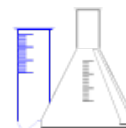


REQUEST FOR ANALYSIS (RFA)

Composts, Manure, Growing Media 2021

Please call ahead if requesting test package is not listed below

Ship to: **Woods End Laboratories**
 290 Belgrade Road
 Mt. Vernon ME 04352
lab@woodsend.com
 Phone: (207) 293-2457
 Fax: (207) 293-2488



Page _____ of _____

Your Woods End Acct #:		<input type="checkbox"/> Hardcopy requested	
Company:		Contact Name:	
Address:		Email:	
		Phone:	
City, State (Prov), Zip:		Your Project Number:	
Payment Info: <input type="checkbox"/> Check enclosed		Amount: \$ _____	
<input type="checkbox"/> Credit Card # _____ / _____ / _____ / _____		Exp Date: ____ / ____	
Name on Card: _____		Signature: _____	
		Sec Code: _____	

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

TYPE OF MATERIAL	ID YOU WILL USE	INGREDIENTS	DATE SAMPLED	<input type="checkbox"/> #101 Standard Quality (\$225) <input type="checkbox"/> #110 Premium (\$375) <input type="checkbox"/> #202 Plant Response (\$250) <input type="checkbox"/> #710a Best Use Classification (\$625) <input type="checkbox"/> OTHER (see p2, please specify): _____
1				
2				
3				
4				

NOTE: This form constitutes a request for service. DO NOT SEND SAMPLES until Laboratory submits Analysis Cost Approval Form. Laboratory reserves the right to dispose of samples if received without information required. ** THIS IS A CONFIDENTIAL FORM **

FORM ID 107-A



2021 COMPOST QUALITY ANALYSES

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

NEW 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):

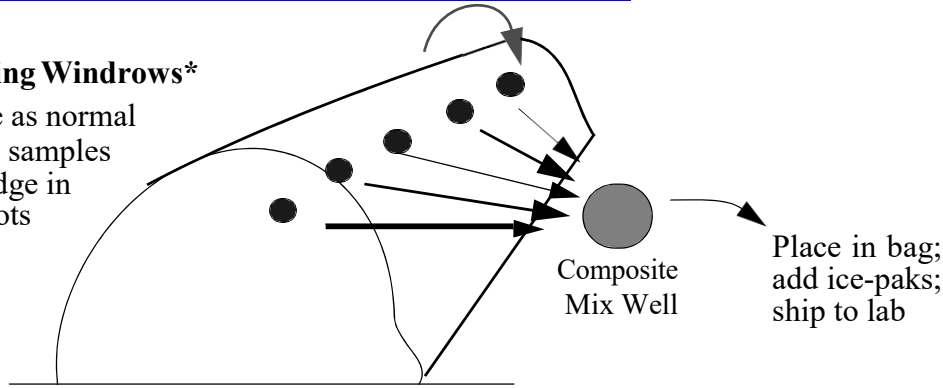
1. **STANDARD QUALITY: (Code #101 - \$225)** – *Basic integrated and practical* compost quality test. This test is designed to reveal overall balance of ingredients both physically and biologically, indicating both completeness of composting (maturity, volatile ammonia) and C:N ratio. Tests include: 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. **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 germinable weed seeds.
4. **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 *Standard Quality* and *Plant Response* (#101, #202) used as input to a horticultural matrix-array which selects one of 5 Use-Groups as the one that scores the best, showing 2nd place and statistical score. A well-proven means to identify the probable best-use category of any growing-media product.
5. **ADDITIONAL OR INDIVIDUAL TESTS:**
 - **Solvita Maturity Index (Code #105 - \$25):** 4 hr CO₂ respiration and NH₃ with CMI calculation
 - **Total Carbon (Code #113a - \$30):** for Carbon sequestration and more accurate C:N calculation
 - **Multi-Day CO₂ Respiration (Code #106 IR - \$125):** IRT[®] 24hr to 4-day CO₂ 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
- A GLP Laboratory -
290 Belgrade Road, Mt. Vernon ME 04352 USA
lab@woodsend.com
Phone: +1-207-293-2457

SAMPLE PILES THOROUGHLY!

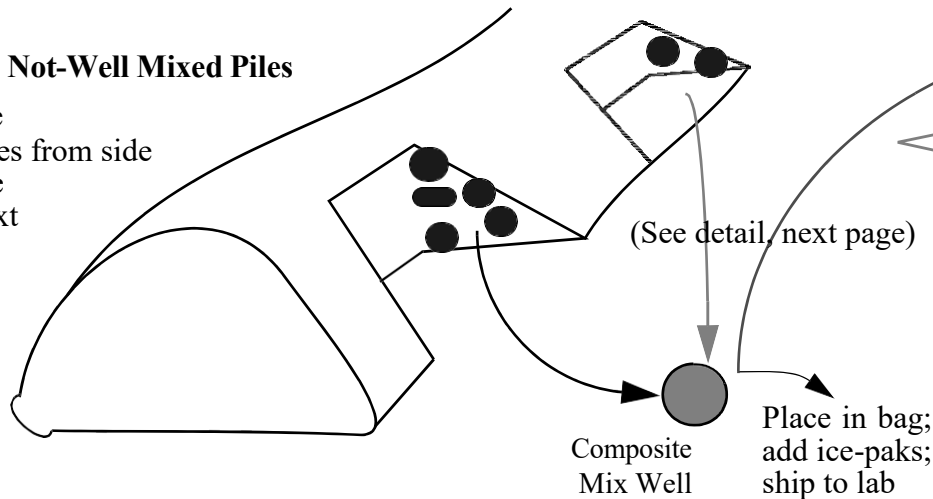
C. Sampling Windrows*

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



D. Sampling Not-Well Mixed Piles

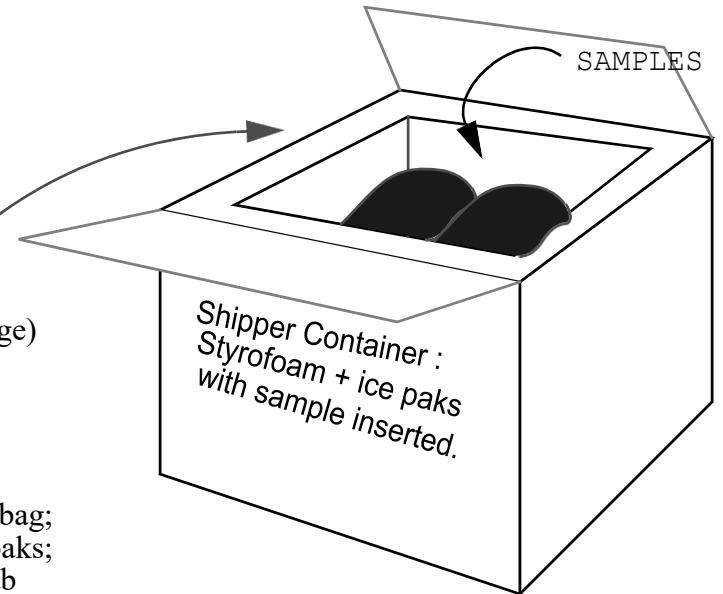
- Cut into pile
- Take samples from side exposed edge
- Cut into next location, etc.



Source Of Sample Shipping Containers:

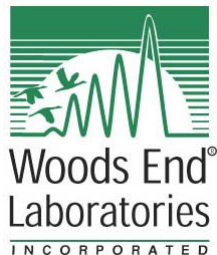
Use your chosen search engine or go to:

- www.uline.com 1-800-295-5510
- Thermosafe.com 1-866-484-4394



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 ice-paks.

B: Not Well-Mixed piles: Cut cross-section with loader; take 5-sub-samples each from side-wall 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, Inc.
290 Belgrade Road
Mt Vernon ME 04352 USA