



SOIL ~ COMPOST ~ BIOWASTE ANALYSIS CONSULTANTS

Woods End is an USDA-APHIS Certified Lab

Update 11/11

2012

Woods End is America's *original* biologically-oriented soil and compost laboratory. The firm has pioneered several new testing methods, updated numerous procedures and contributed to the development of compost analyses that improve the ability to understand and manage the process. This exciting repertoire of some of the best test methods and skilled interpretation make the science experience very meaningful. New interest in carbon valuation and biologically-based energy has added biomethane tests and interpretation.

COMPOST AND ORGANIC WASTES

#101 **BASIC STANDARD Compost Test:** Our most popular compost test, applicable for compost source ingredients, for process monitoring, and end-product quality, updated to include: bulk density, moisture and solids, water holding capacity, carbonate activity, organic matter, water-soluble carbon, total-N, C:N, salinity (conductivity), Water-Soluble-N and Solvita Maturity (CO₂ and NH₃ detection).

#110 **PREMIUM Compost Test:** all the Standard from above *plus:* agronomic minerals (P, K, Ca, Mg, Na) basic metals (Cu, Cd, Cr, Fe, Mn, Pb, Zn), Soluble anions (NO₃, Cl, SO₄), Ammonium (NH₄), Plant Bioassay for growth quality and herbicide (garden cress, wheat, red clover), and fecal coliform + *E. coli*.

SPECIAL OPTIONAL tests: Dewar Self-heating, CO₂ 24-hr Respiration, VOA (volatile fatty acids), size-classification, plant growth mixtures, and more.
(Please inquire)

SOIL TESTS

#90 **PREMIUM SOIL QUALITY:** A full test with pH, buffer pH, organic matter, CO₂-burst (N-mineralization), Anions (available N as NO₃) chloride, sulfate, phosphate plus Cations (Ca, Mg, K, Na, H) CEC. Includes fertility rankings. Popular with professional growers and meets Soil Specifier requirements for landscaping and soil projects.

#NM **Soil N-mineralization:** The new Haney-Brinton method of evaluating soil CO₂ respiration from the drying/rewetting test protocol. Gives total carbon evolved in 24h and predicted N-release.

BIODEGRADABILITY and METHANE

#GB21 **Biogas Potential-** (ÖNORM S2027) A 21-day methane potential (batch) test showing CO₂ + CH₄ cumulative rate, daily rate, solids conversion per unit and per ton, btu value /ton.

#BD **Biodegradability / compostability:** Procedures which reveal biodegradability and compostability of biopolymers and agri-chemicals. Methods used include ASTM-D6400 (thermophilic degradation) D-5338 (disintegration) and others. The lab is fully BPI-Approved for compostability approval tests.

MICROBIOLOGICAL HYGIENE:

Hygiene of Organic Fertilizers: included any one or more: *Salmonella* sp., *Clostridium perfringens*, *E. coli*, *E. coli* 0157:H7, Fecal coliforms, Fecal enterococci

Request form> please include this information with your sample. YOUR ESTABLISHED ACCT # _____

Type of Material to be tested: [] Compost [] Soil [] Other [_____]

Reasons for Testing: Prior client [] Process Control [] Environmental Audit [] Other: _____

Test Categories: **101-Basic**[] **110-Premium** [] other: _____ Please include payment.

Sample to be sent should go out early in the week by UPS or Fedex to allow time before the weekend to prep in the lab.

Mailing Instructions:

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