

## **Midwest Bio-Systems**

# Compost Value Sampling and Submission Instructions

Forms and Instructions Available at www.midwestbiosystems.com

- First remove any debris or large pieces from the sampling area that would distort the representation of the windrow.
- 2. Avoid taking samples when compost is **saturated** or when compost has **not been aerated** for a while. It is best, if possible, to **pull samples immediately following turning**.
- 3. Each compost sample should consist of **6-12 random sub-samples** taken down one side of the windrow and up the other side, gathering 4 quarts of material.
- 4. Take samples using a **clean** device. Place all sub-samples in a clean (no previous contamination) plastic
- 5. Mix all combined sub-samples well in the bucket.

#### 6. FOR:

All Tests on Compost Lab Test \$100.00

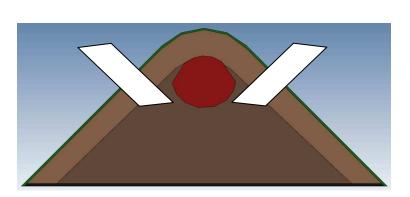
Send 1 quart of material to *Midwest Laboratories* in a labeled soil bag with the <u>MBS Compost Lab Test Submission Form</u>, including an authorization number obtained from MBS. Call 815-438-7200 to get an Authorization number for each sample that you will send to the lab. *Please fax the filled out submission form to (815)-438-7028 before you send a copy with the sample.* Ship the "Soil Sample Bag" AND "MBS Compost Lab Test Submission Form" to:

Attn: Robert Ferris Midwest Laboratories 13611 B Street Omaha. NE 68144

NOTE: Sampling Instructions and Submission Forms can be obtained by:

- Calling Midwest Bio-Systems at 1-800-689-0714 and we will fax or mail them to you.
- Email your request to Info@MidwestBioSystems.com for delivery by fax, mail, or PDF files of the forms and instructions by return email (Adobe Acrobat Reader is required to open and print the PDF files).
- Visit <a href="www.midwestbiosystems.com">www.midwestbiosystems.com</a>, download instructions and forms as PDF files.

Note: Windrows need to be turned within 1-2 weeks of taking a sample. Caution: But when turning the windrow after it has not been turned for a month or longer, you need to be careful and check the very bottom of the windrow to see if the bottom is soggy, anaerobic, or somehow undesirable to turn into the rest of the windrow. It may be necessary to turn the windrow just high enough off the ground to avoid the undesirable layer underneath.







## **Midwest Bio-Systems**

## Compost Value Test Descriptions

Forms and Instructions Available at www.midwestbiosystems.com

ACS Compost Lab Test – (Chemical Mineral Profile) = \$100.00 (Results - If a preliminary report is needed, its in 5 days, final report in 15 business days (if requested) & guaranteed at 17 days.)

Includes: % Nitrogen, Nitrite N, Nitrate N, Ammonia N, C:N Ratio, % Moisture, Humus, Sulfate Sulfur, Sulfides, Sodium, pH, Conductivity (Ergs), Redox Potential, Organic Matter

Phytotoxicity Response: 7-Day Seed Germination and 14-Day Vigor

#### Additional Analysis Options (when added to a package above):

•	Building Block Analysis (% dry basis - Phosphorus, Potassium, Calcium, Magnesium)	\$ 45
•	EPA Heavy Metal Analysis (ppm)	\$150
	(Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Zinc)	
•	Trace Element Analysis (ppm)	\$60
	(Zinc, Manganese, Iron, Copper, Boron)	
•	Weed Seed Germination (30 days required)	\$30
•	E. Coli	\$35
•	Salmonella	\$150
•	Fecal Coliform	\$40

### **Feedstock Analysis**

Maximize your options in recipe building and process control

<u>Send 1 quart of material to Midwest Laboratories</u> in a labeled soil bag with the **MBS** <u>Feedstock Submission</u> <u>Form,</u> including an authorization number obtained from MBS. Call 815-438-7200 to get an Authorization number for each sample that you will send to the lab. *Please fax the filled out submission form to (815)-438-7028 before you send a copy with the sample.* Ship "Feedstock Sample Container" **AND** "MBS Feedstock Submission Form" to:

Attn: Robert Ferris Midwest Laboratories 13611 B Street Omaha, NE 68144

#### Feedstock Quality = \$85.00

(% Moisture, % Nitrogen, C:N Ratio, Density, Structure Rating for Porosity, Sodium, pH, Conductivity, Redox Potential)

## **Example of a Comprehensive Compost Analysis**

