



Compost Foodweb Analysis

Report prepared for:

Compostwerks LLC
Peter Schmidt
487 E. Main St
Mt. Kisko, New York 10549 U

Report Sent:
Sample#: 03-007870 | Submission:03-003528
Unique ID: 8/12
Plant:

Invoice Number: 0
Sample Received: 8/12/2008

peter@compostwerks.com

For interpretation of this report please contact:
Local Advisor: or regional lab
Soil Foodweb New Yor
soilfoodwebny@aol.co
631-750-1553
Consulting fees may apply

| Organism Biomass Data | Dry Weight | Active Bacterial (µg/g) | Total Bacterial (µg/g) | Active Fungal (µg/g) | Total Fungal (µg/g) | Hyphal Diameter (µm) |
|-----------------------|--------------|-------------------------|------------------------|----------------------|---------------------|----------------------|
| Results | 0.360 | 95.9 | 1600 | 76.8 | 5385 | 3 |
| Comments | Too Wet | Excellent | Good | Excellent | Excellent | |
| Expected Range | Low | 0.45 | 100 | 15 | 100 | |
| | High | 0.85 | 3000 | 25 | 300 | |

| | Protozoa | | | Total Nematodes #/g | Percent Mycorrhizal Colonization | |
|-----------------------|-------------|-------------------|----------|---------------------|----------------------------------|-------------|
| | Flagellates | Numbers/g Amoebae | Ciliates | | ENDO | ECTO |
| Results | 38170 | 76340 | 7635 | 27.8 | Not Ordered | Not Ordered |
| Comments | High | High | High | Good | | |
| Expected Range | Low | 10000 | 10000 | 20 | | |
| | High | | 100 | 30 | | |

| Organism Biomass Ratios | Total Fungal to Total Bacterial | Active to Total Fungal | Active to Total Bacterial | Active Fungal to Active Bacterial | Plant Available N Supply (lbs/acre) |
|-------------------------|---------------------------------|------------------------|---------------------------|-----------------------------------|-------------------------------------|
| Results | 3.36 | 0.01 | 0.06 | 0.80 | 200+ |
| Comments | High | Good | Good | Good | |
| Expected Range | Low | 0.75 | 0.01 | 0.75 | |
| | High | 1.5 | 0.1 | 1.5 | |

| Nematodes per Gram of Soil Identification to genus | | |
|--|----------------------|------|
| Bacterial Feeders | | |
| Achromadora | | 0.58 |
| Acrobeloides | | 0.78 |
| Butlerius | | 1.94 |
| Rhabditidae | | 0.78 |
| Rhabditis | | 0.39 |
| Fungal Feeders | | |
| Aporcelaimus | | 0.39 |
| Eudorylaimus | | 1.36 |
| Laimydorus | | 0.58 |
| Pungentus | | 0.19 |
| Thonus | | 0.97 |
| Fungal/Root Feeders | | |
| Ditylenchus | Stem & Bulb nematode | 0.39 |
| Predatory | | |
| Clarkus | | 1.74 |

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Dry Weight: The compost is too wet. Cover compost when raining; reduce water by turning or adding dry material.

Active Bacteria: Bacterial activity above expected levels; bacterial biomass will increase as long as nutrients are available.

Total Bacteria: Aerobic bacterial biomass in normal range for mature compost.

Active Fungi: Fungal activity above expected levels; fungal biomass will increase as long as nutrients are available.

Total Fungi: Fungal biomass above typical range for compost.

Hyphal Diameter: Good balance of disease suppressive and normal soil fungi.

Protozoa: High ciliate numbers indicate aggregates anaerobic internally, but aerobic outside based on excellent numbers of flagellates and amoebae. This means great diversity, good for soil functioning in all conditions.

Total Nematodes: Good numbers, good diversity.

Mycorrhizal Col.: Endo: | Ecto:

TF/TB: More fungal biomass than bacterial biomass. Excellent for improving fungal diversity and biomass.

AF/TF: Mature compost, meaning activity below 10%.

AB/TB: Mature compost, bacteria will not compete with plants for nutrients.

AF/AB: Fungal-dominated compost is becoming more bacterial; addition of foods for preferred dominance might speed balance.

Nitrogen Supply: Very good boost in plant available N from predators.

Interpretation Comments:
Excellent compost. Just a bit on the wet side.

Compost age 4.5 months, compost from wood chips, leaves, vegetables, reached 138, for Tea.