# Compost Detail

Report prepared for:
Black Earth Compost

**For interpretation of this report, please contact your local Soil Steward or the lab.**

Report Sent: 03/17/2025
Sample # 03-14086
Unique ID: Manchester
Plant: N/A
Season: N/A
Invoice Number: 5529
Sample Received: 02/21/2025

SOIL FOODWEB NEW YORK
17 Clinton St.
Center Moriches, NY 11934
631-750-1553
soilfoodwebny@aol.com
http://soilfoodwebnewyork.com

| Assay Name | Result | Units | Range | Commentary |
|---|---|---|---|---|
| **Organism Biomass Data** | | | | |
| Dry Weights | 0.47 | N/A | 0.2 to 0.8 | Within normal moisture levels. |
| Active Fungi | 43.52 | µg/g | > 3 | Fungal activity within normal levels. |
| Total Fungi | 726.46 | µg/g | > 300 | Good fungal biomass. |
| Hyphal Diameter | 3.50 | µm | > 2.5 | Disease suppressive fungi likely present. |
| Active Bacteria | 55.19 | µg/g | > 3 | Bacterial activity within normal levels. |
| Total Bacteria | 1203.17 | µg/g | > 300 | Good bacterial biomass. |
| Actinobacteria | NaN | µg/g | < 20 | |
| **Organism Biomass Ratios** | | | | |
| TF:TB | 0.60 | | 0.01 to 10 | Balanced fungal and bacterial biomass. |
| AF:TF | 0.06 | | < 0.1 | Good fungal activity. |
| AB:TB | 0.05 | | < 0.1 | Good bacterial activity. |
| AF:AB | 0.79 | | 0.01 to 10 | Bacterial dominated, becoming more bacterial. |
| **Protozoa (Protists)** | | | | |
| Flagellates | 29574.40 | #/g | > 10000 | High ciliate numbers indicate possible anaerobic conditions. |
| Amoebae | 12275.20 | #/g | > 10000 | |
| Ciliates | 981.33 | #/g | < 418 | |
| Nitrogen Cycling Potential | 100-150 | lbs/acre | | Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period. |
| **Nematodes** | | | | |
| Nematodes | 2.07 | #/g | > 10 | Low numbers and diversity. |
| Bacterial | 1.91 | #/g | | |
| Fungal | 0.00 | #/g | | |
| Fungal/Root | 0.16 | #/g | | |
| Predatory | 0.00 | #/g | | |
| Root | 0.00 | #/g | | |
| **Miscellaneous Testing** | | | | |
| E.coli | Not Ordered | CFU/g | < 800 | |
| pH | 7.44 | | | |
| Electrical Conductivity | 711.00 | µs/cm | < 3500 | |
| Organic Matter | 28.72 | | | |

**Notes**

Very good bacterial, fungal and protozoan populations. Ciliates are a tad high and indicating some anaerobic activity.
Electrical conductivity and organic matter are in good range, pH is a tad high.

# Nematode Detail

Report prepared for:
Black Earth Compost

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Sample # 03-14086
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Plant: N/A
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| Nematode Group and Genus | Result in #/g | Level | Notes |
|---|---|---|---|
| **Total Nematodes** | 2.07 | > 10 | Low numbers and diversity. |
| **Bacterial Feeders** | 1.91 | | |
| Cuticularia | 0.40 | | |
| Heterocephalobus | 0.24 | | |
| Rhabditidae | 1.27 | | |
| **Fungal Feeders** | 0.00 | | |
| **Fungal/Root Feeders** | 0.16 | | |
| Aphelenchus | 0.16 | | |
| **Predatory** | 0.00 | | |
| **Root Feeders** | 0.00 | | |

# Compost Detail

Report prepared for:
Black Earth Compost

**For interpretation of this report, please contact your local Soil Steward or the lab.**

Report Sent: 03/17/2025
Sample # 03-14088
Unique ID: Groton
Plant: N/A
Season: N/A
Invoice Number: 5529
Sample Received: 02/21/2025

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17 Clinton St.
Center Moriches, NY 11934
631-750-1553
soilfoodwebny@aol.com
http://soilfoodwebnewyork.com

| Assay Name | Result | Units | Range | Commentary |
|---|---|---|---|---|
| **Organism Biomass Data** | | | | |
| Dry Weights | 0.45 | N/A | 0.2 to 0.8 | Within normal moisture levels. |
| Active Fungi | 50.39 | µg/g | > 3 | Fungal activity within normal levels. |
| Total Fungi | 1274.01 | µg/g | > 300 | Good fungal biomass. |
| Hyphal Diameter | 3.25 | µm | > 2.5 | Disease suppressive fungi likely present. |
| Active Bacteria | 74.34 | µg/g | > 3 | Bacterial activity within normal levels. |
| Total Bacteria | 1151.92 | µg/g | > 300 | Good bacterial biomass. |
| Actinobacteria | 0.00 | µg/g | < 20 | |
| **Organism Biomass Ratios** | | | | |
| TF:TB | 1.11 | | 0.01 to 10 | Balanced fungal and bacterial biomass. |
| AF:TF | 0.04 | | < 0.1 | Good fungal activity. |
| AB:TB | 0.06 | | < 0.1 | Good bacterial activity. |
| AF:AB | 0.68 | | 0.01 to 10 | Fungal dominated, becoming more bacterial. |
| **Protozoa (Protists)** | | | | |
| Flagellates | 30486.47 | #/g | > 10000 | Should provide a good inoculum of protozoa. |
| Amoebae | 101291.68 | #/g | > 10000 | |
| Ciliates | 101.16 | #/g | < 1318 | |
| Nitrogen Cycling Potential | 200+ | lbs/acre | | Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period. |
| **Nematodes** | | | | |
| Nematodes | 1.72 | #/g | > 10 | Low numbers and diversity. |
| Bacterial | 1.72 | #/g | | |
| Fungal | 0.00 | #/g | | |
| Fungal/Root | 0.00 | #/g | | |
| Predatory | 0.00 | #/g | | |
| Root | 0.00 | #/g | | |
| **Miscellaneous Testing** | | | | |
| E.coli | Not Ordered | CFU/g | < 800 | |
| pH | 7.08 | | | |
| Electrical Conductivity | 1550.00 | µs/cm | < 3500 | |
| Organic Matter | 28.67 | | | |

**Notes**

The bacterial and fungal biomass are both excellent. Populations of protozoa are very high and leading to excellent cycling of nutrients. The pH. electrical conductivity and the organic matter are all in good range.

# Nematode Detail

Report prepared for:
Black Earth Compost

**For interpretation of this report, please contact your local Soil Steward or the lab.**

| | |
|---|---|
| Report Sent: | 03/17/2025 |
| Sample # | 03-14088 |
| Unique ID: | Groton |
| Plant: | N/A |
| Season: | N/A |
| Invoice Number: | 5529 |
| Sample Received: | 02/21/2025 |

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| Nematode Group and Genus | Result in #/g | Level | Notes |
|---|---|---|---|
| **Total Nematodes** | 1.72 | > 10 | Low numbers and diversity. |
| **Bacterial Feeders** | 1.72 | | |
| Diploscapter | 0.41 | | |
| Prismatolaimus | 0.82 | | |
| Protorhabditis | 0.21 | | |
| Rhabditidae | 0.27 | | |
| **Fungal Feeders** | 0.00 | | |
| **Fungal/Root Feeders** | 0.00 | | |
| **Predatory** | 0.00 | | |
| **Root Feeders** | 0.00 | | |

# Compost Detail

Report prepared for:
Black Earth Compost

**For interpretation of this report, please contact your local Soil Steward or the lab.**

Report Sent: 03/17/2025
Sample # 03-14087
Unique ID: Framingham
Plant: N/A
Season: N/A
Invoice Number: 5529
Sample Received: 02/21/2025

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631-750-1553
soilfoodwebny@aol.com
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| Assay Name | Result | Units | Range | Commentary |
|---|---|---|---|---|
| **Organism Biomass Data** | | | | |
| Dry Weights | 0.48 | N/A | 0.2 to 0.8 | Within normal moisture levels. |
| Active Fungi | 85.22 | µg/g | > 3 | Fungal activity within normal levels. |
| Total Fungi | 1254.18 | µg/g | > 300 | Good fungal biomass. |
| Hyphal Diameter | 3.50 | µm | > 2.5 | Disease suppressive fungi likely present. |
| Active Bacteria | 68.27 | µg/g | > 3 | Bacterial activity within normal levels. |
| Total Bacteria | 1194.46 | µg/g | > 300 | Good bacterial biomass. |
| Actinobacteria | 0.00 | µg/g | < 20 | |
| **Organism Biomass Ratios** | | | | |
| TF:TB | 1.05 | | 0.01 to 10 | Balanced fungal and bacterial biomass. |
| AF:TF | 0.07 | | < 0.1 | Good fungal activity. |
| AB:TB | 0.06 | | < 0.1 | Good bacterial activity. |
| AF:AB | 1.25 | | 0.01 to 10 | Balanced fungal and bacterial biomass, becoming fungal. |
| **Protozoa (Protists)** | | | | |
| Flagellates | 58256.47 | #/g | > 10000 | High ciliate numbers indicate possible anaerobic conditions. |
| Amoebae | 1208.16 | #/g | > 10000 | |
| Ciliates | 966.53 | #/g | < 595 | |
| Nitrogen Cycling Potential | 100-150 | lbs/acre | | Nitrogen levels dependent on plant needs. Estimated availability over a 3 month period. |
| **Nematodes** | | | | |
| Nematodes | 4.75 | #/g | > 10 | Low numbers and diversity. |
| Bacterial | 3.92 | #/g | | |
| Fungal | 0.00 | #/g | | |
| Fungal/Root | 0.83 | #/g | | |
| Predatory | 0.00 | #/g | | |
| Root | 0.00 | #/g | | |
| **Miscellaneous Testing** | | | | |
| E.coli | Not Ordered | CFU/g | < 800 | |
| pH | 7.11 | | | |
| Electrical Conductivity | 855.00 | µs/cm | < 3500 | |
| Organic Matter | 24.37 | | | |

**Notes**

Excellent bacterial and fungal biomass. The protozoan populations is providing good cycling of nutrients, but a better diversity is desired. The pH, electrical conductivity and organic matter are all in good range.

# Nematode Detail

Report prepared for:
Black Earth Compost

**For interpretation of this report, please contact your local Soil Steward or the lab.**

| | |
|---|---|
| Report Sent: | 03/17/2025 |
| Sample # | 03-14087 |
| Unique ID: | Framingham |
| Plant: | N/A |
| Season: | N/A |
| Invoice Number: | 5529 |
| Sample Received: | 02/21/2025 |

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| Nematode Group and Genus | Result in #/g | Level | Notes |
|---|---|---|---|
| **Total Nematodes** | 4.75 | > 10 | Low numbers and diversity. |
| **Bacterial Feeders** | 3.92 | | |
| Panagrolaimus | 0.41 | | |
| Protorhabditis | 1.86 | | |
| Rhabditidae | 1.65 | | |
| **Fungal Feeders** | 0.00 | | |
| **Fungal/Root Feeders** | 0.83 | | |
| Ditylenchus | 0.83 | | Stem & Bulb nematode |
| **Predatory** | 0.00 | | |
| **Root Feeders** | 0.00 | | |