



# Foodweb Analysis Liquid Amendment

## Report prepared for:

Earthworm Organics LLC  
Gus Olson  
71-682 Mirage Rd  
Rancho Mirage, CA 92270 US  
(760) 776-8003  
gusolson@aol.com

Report Sent: 1/20/2011  
Sample#: 01-110848 | Submission: 01-020988  
Unique ID: FH-1/12/11  
Plant:  
Invoice Number: 6383  
Sample Received: 1/14/2011

For interpretation of this report please contact:  
Soil Foodweb Oregon  
[info@oregonfoodweb.com](mailto:info@oregonfoodweb.com)  
(541) 752-5066

*Consulting fees may apply*

| Organism Biomass Data   | Sample Size (ml)            | Active Bacterial (µg/mL) | Total Bacterial (µg/mL)  | Active Fungal (µg/mL)        | Total Fungal (µg/mL)              | Hyphal Diameter (µm)   | <b>Nematodes per MI of Tea</b><br>Classified by type and identified to genus.<br>(If section is blank, no nematodes identified.) |             |  |
|-------------------------|-----------------------------|--------------------------|--------------------------|------------------------------|-----------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------|--|
| <b>Results</b>          | 1                           | 11.3                     | 2624                     | 0                            | 0                                 | 2.7                    |                                                                                                                                  |             |  |
| <b>Comments</b>         |                             | In range                 | In range                 | Below range                  | Below range                       |                        |                                                                                                                                  |             |  |
| <b>Expected Range</b>   | Low                         | 10                       | 150                      | 2                            | 2                                 |                        |                                                                                                                                  |             |  |
|                         | High                        | 150                      | 3000                     | 10                           | 20                                |                        |                                                                                                                                  |             |  |
|                         |                             | Protozoa (Numbers/g)     |                          |                              | Total Nematodes #/mL              |                        | Mycorrhizal Colonization (%)                                                                                                     |             |  |
|                         |                             | Flagellates              | Amoebae                  | Ciliates                     |                                   |                        | ENDO                                                                                                                             | ECTO        |  |
| <b>Results</b>          |                             | <b>4</b>                 | <b>13</b>                | <b>0</b>                     | Not Ordered                       |                        | Not Ordered                                                                                                                      | Not Ordered |  |
| <b>Comments</b>         |                             | Low                      | Low                      | Low                          |                                   |                        |                                                                                                                                  |             |  |
| <b>Expected Range</b>   | Low                         | 1000                     | 1000                     | 20                           | 2                                 |                        |                                                                                                                                  |             |  |
|                         | High                        |                          |                          | 50                           | 10                                |                        |                                                                                                                                  |             |  |
| Organism Biomass Ratios | Total Fungi to Tot.Bacteria | Active to Total Fungi    | Active to Total Bacteria | Active Fungi to Act.Bacteria | Plant Available N Supply (lbs/ac) | Actino Bacteria (µg/g) |                                                                                                                                  |             |  |
| <b>Results</b>          | <b>0</b>                    |                          | <b>0.004</b>             | <b>0</b>                     | <5                                | 0                      |                                                                                                                                  |             |  |
| <b>Comments</b>         | Low                         |                          | Low                      | Low                          |                                   |                        |                                                                                                                                  |             |  |
| <b>Expected Range</b>   | Low                         | 0.01                     | 0.1                      | 0.1                          | 0.9                               |                        |                                                                                                                                  |             |  |
|                         | High                        | 0.1                      | 0.25                     | 0.25                         | 1.1                               |                        |                                                                                                                                  |             |  |

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Dry Weight:

Active Bacteria: Activity in normal range for good liquid amendment.

Total Bacteria: Bacterial biomass and diversity in expected range; good extraction and growth are indicated.

Active Fungi: No activity because no fungi.

Total Fungi: None detected. Agitation, aeration and filtration must separate hyphae from the particles of starting material but not break or destroy hyphae.

Hyphal Diameter:

Protozoa: Protozoa either not present in starting material, not extracted, or did not survive in liquid. Check pH, chlorine, EC (salts), aeration, loss of power, etc.

Total Nematodes:

Mycorrhizal Col.:

TF/TB: Exclusively bacterial tea.

AF/TF:

AB/TB: Activity adequate; good total bacterial biomass

AF/AB:

Interpretation Comments:

Actinobacteria Biomass = 0 ug/g.  
Diverse bacteria.