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Compost Tea Foodweb Analysis
 Nature Technologies International LLC
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 Plants: Not Indicated

Sample Received: 06/22/2004 Report Sent: 12/22/04
 Invoice Number: 7318

BAGGED TEA LIQUID
Organism Biomass Data

Sample #	Unique ID	Tea Volume (mL)	Active Bacterial Biomass (µg/mL)	Total Bacterial Biomass (µg/mL)	Active Fungal Biomass (µg/mL)	Total Fungal Biomass (µg/mL)	Hyphal Diameter (µm)	Protozoa Numbers/mL			Total Nematode Numbers #/mL
								Flagellates	Amoebae	Ciliates	
99151	6/22/04 day 1a	1	13.1	474	1.84	3.08	2.50	NR	NR	NR	NR
99152	6/22/04 day 1b	1	10.6	675	0.17	5.03	3.00	NR	NR	NR	NR
99153	6/22/04 day 1c	1	11.9	576	0.41	2.60	2.50	NR	NR	NR	NR
99154	6/24/04 day 3a	1	12.1	480	1.06	2.67	2.50	NR	NR	NR	NR
99155	6/24/04 day 3b	1	8.13	474	1.23	1.81	2.50	NR	NR	NR	NR
99156	6/24/04 day 3c	1	9.86	602	0.32	2.75	2.50	NR	NR	NR	NR
99157	7/1/04 day 10a	1	10.4	614	0.11	2.37	2.50	NR	NR	NR	NR
99158	7/1/04 day 10b	1	10.8	410	0.22	1.26	2.50	NR	NR	NR	NR
99159	7/1/04 day 10c	1	8.13	461	0.34	1.76	2.50	NR	NR	NR	NR
99160	7/12/04 day 21a	1	6.46	614	0.56	1.72	2.50	NR	NR	NR	NR
99161	7/12/04 day 21b	1	9.60	614	0.26	2.67	2.50	NR	NR	NR	NR
99162	7/12/04 day 21c	1	8.70	403	0.80	2.37	2.50	NR	NR	NR	NR
99163	8/2/04 day 42a	1	29.7	486	0.43	3.04	2.50	NR	NR	NR	NR
99164	8/2/04 day 42b	1	32.8	448	0.75	1.41	2.50	NR	NR	NR	NR
99165	8/2/04 day 42c	1	26.6	294	0.54	1.17	2.50	NR	NR	NR	NR
99166	8/20/04 day 60a	1	12.7	435	0.41	2.44	2.50	NR	NR	NR	NR
99167	8/20/04 day 60b	1	11.7	666	0.00	1.49	2.50	NR	NR	NR	NR
99168	8/20/04 day 60c	1	11.6	563	0.00	1.99	2.50	NR	NR	NR	NR
99169	9/20/04 day 91a	1	11.8	730	0.00	1.07	2.50	NR	NR	NR	NR
99170	9/20/04 day 91b	1	11.0	666	0.00	1.34	2.50	NR	NR	NR	NR
99171	9/20/04 day 91c	1	9.34	678	0.00	1.30	2.50	NR	NR	NR	NR
99172	10/19/04 day 120a	1	27.1	1,165	0.15	1.98	2.25	NR	NR	NR	NR
99173	10/19/04 day 120b	1	31.7	691	0.34	1.57	2.50	NR	NR	NR	NR
99174	10/19/04 day 120c	1	28.4	640	0.37	1.97	2.50	NR	NR	NR	NR
99175	11/18/04 day 150a	1	24.1	1,024	0.15	2.44	2.25	NR	NR	NR	NR
99176	11/18/04 day 150b	1	19.2	1,440	0.30	1.68	2.50	NR	NR	NR	NR
99177	11/18/04 day 150c	1	24.3	1,008	1.12	2.22	2.50	NR	NR	NR	NR
99178	12/20/04 day 180a	1	46.6	2,880	1.62	9.01	2.75	NR	NR	NR	NR
99179	12/20/04 day 180b	1	28.0	1,552	0.23	3.24	2.75	NR	NR	NR	NR
99180	12/20/04 day 180c	1	18.2	1,456	0.72	2.59	2.75	NR	NR	NR	NR

Bold
Means Low

Desired Range	1 - 1	10 - 150	150 - 3000	2 - 10	2 - 20	(A)	1000 +	1000 +	20 - 50	2 - 10
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(A) Hyphal diameter of 2.0 indicates mostly actinobacteria hyphae, 2.5 indicates community is mainly ascomycete, typical soil fungi for grasslands, diameters of 3.0 or higher indicate community is dominated by highly beneficial fungi, a Basidiomycete community.

Temperature of brewing, type of water (chlorine will kill organisms), type of compost and type of brewer used must be considered in determining the set of organisms in the tea.

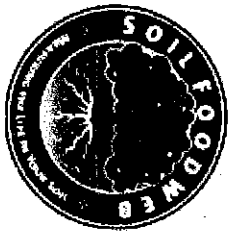
See the Compost Tea Manual for complete information. Tea assessment should be accompanied by leaf organism assessment to see if there were effects of spraying or diluting in the sprayer.

Pesticide use, fertilizer use, tillage, irrigation, etc., affect soil and foliar effectiveness.

One report is sent to the mailing address on the submission form.

All submissions receive free 15 minute consultation, call 1-888-224-9919

Sample	Assay	Tech	Notes
99151	T.F.	tc	347.0g on 6/22/04, [6.74]mg/L O2, 76.9F, nematode in sample, active amoeba, some mats of active fungi, brown spores, bacteria on clumps of organic matter
99152	T.F.	tc	355.8g on 6/22/04, [6.89]mg/L O2, 76.2F, active flagellates, ciliates, brown spores
99153	T.F.	tc	320.9g on 6/22/04, [7.06]mg/L O2, 76.1F, active protozoa, active bacteria on organic matter, brown spores
99154	T.F.	njo	353.5g on 6/22/04, 353.4g on 6/24/04, [7.56]mg/L O2, 75.9F, many active protozoa, most AB on organic matter, extracted fungi
99155	T.F.	tc	313.3g on 6/22/04, 313.0g on 6/24/04, [7.62]mg/L O2, 75.5F, AB on OM, active prots, one large clump of AF
99156	T.F.	njo	323.3g on 6/22/04, 323.0g on 6/24/04, [7.64]mg/L O2, 75.6F, active prots, a few 3.0 diam hyphae
99157	T.F.	njo	332.7g on 6/22/04, 331.7g on 7/1/04, [7.81]mg/L O2, 76.5F, A few active protozoa, seeing some ciliates.
99158	T.F.	njo	312.2g on 6/22/04, 311.2g on 7/1/04, [7.98]mg/L O2, 76.2F
99159	T.F.	njo	351.0g on 6/22/04, 350.0g on 7/1/04, [7.90]mg/L O2, 76.2F
99160	T.F.	tc	373.7g on 6/22/04, 370.6g on 7/12/04, [8.18]mg/L O2, 75.3F
99161	T.F.	tc	326.3g on 6/22/04, 323.9g on 7/12/04, [8.12]mg/L O2, 75.9F, vorticella present, testate amoeba, qualitative analysis=acceptable
99162	T.F.	tc	358.6g on 6/22/04, 356.2g on 7/12/04, [8.15]mg/L O2, 75.8F, bacteria on clumps of organic matter, active spores, active ciliates
99163	T.F.	tc	322.8g on 6/22, 318.0g on 8/2. [8.24]mg/L O2 @ 74.9F. Bacteria on clumps of organic matter. Testate amoebae. Active hyphae thin. Mix of different types of hyphae—thick brown, thin actinos.
99164	T.F.	tc	328.2g on 6/22; 323.4g on 8/2. [8.46]mg/L at 74.3F. Not much hyphal diversity, thin active hyphae. Testate amoebae.
99165	T.F.	njo	328.9g on 6/22; 324.2g on 8/2. [8.46] mg/L at 74.5F. Active hyphae thin. Total fungi mix of 2.0, 2.5 and 3.0 diameters. Bacteria on clumps of organic matter.
99166	T.F.	njo	341.7g on 6/22; 335.7g on 8/19. [8.47] mg/L O2 @ 76F.
99167	T.F.	njo	342.8g on 6/22; 337.2g on 8/19. [8.57] mg/L O2 @ 75.7F.
99168	T.F.	njo	375.5g on 6/22; 369.0g on 8/19. [8.54] mg/L O2 @ 75.8F.
99169			
99170			
99171	T.F.	njo	335.7g on 6/22; 323.9g on 9/21. [8.96] mg/L O2 @ 72.8F.
99172	T.F.	dj	346.0g on 6/22; 331.0g on 10/19. [8.59] mg/L O2 @ 72.2F. [8.70] mg/L O2 @ 71.7F.
99173	T.F.	dj	322.3g on 4/22; 309.6g on 10/19. [8.70] mg/L O2 @ 72.0F.
99174	T.F.	dj	348.3g on 6/22; 334.8g on 10/19. [8.68] mg/L O2 @ 72.2F.
99175			
99176			
99177	T.F.	dj	345.0g on 9/22; 329.2g on 11/19. [9.21] mg/L O2 @ 70.4F. (Meter not calibrated: 102.4%)
99178	T.F.	dj	342.2g on 6/22; 324.3g on 12/20. [8.98] mg/L O2 @ 70.1F. Clumps of hyphae, some a bit flattened and twisted.
99179	T.F.	dj	336.6g on 6/22; 319.2g on 12/20. [8.99] mg/L O2 @ 69.9F. Some nice light brown hyphae, 3 micron diameter.
99180	T.F.	dj	334.5g on 6/22; 317.0g on 12/20. [8.98] mg/L O2 @ 69.9F.



Combined Foodweb Results

Nature Technologies International (415) 898-5895 Submission Number: 01-016815 Sample Received: 06/24/2005 Report Sent: Invoice Number: 0

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14 Tilden Dive

Novato, CA 94947

Customer Reference	ID	Dry Weight	Active Bacteria	Total Bacteria	Active Fungi	Total Fungi	Hyphal Diameter	Flagellates	Protozoa	Amoeba	Ciliates	Nematod	VAM	TF/TB	AF/TF	AB/TB	AF/AB	Nitrogen
99161 7-12-0	01-100882	N/A	33.8	960	0.11	2.64	2.5	--	N/A	--	--	N/A	N/A	0.003	0.04	0.04	0.003	N/A
99169 9/20/0	01-100883	N/A	22.5	640	0.41	1.80	2.5	--	N/A	--	--	N/A	N/A	0.003	0.23	0.04	0.02	N/A
99174 10/19/	01-100884	N/A	23.0	602	0.69	1.60	2.5	--	N/A	--	--	N/A	N/A	0.003	0.43	0.04	0.03	N/A

Compost Tea