

Report Number
F24074-6509
Account Number
63512



3505 Conestoga Dr.
Fort Wayne, IN 46808
260.483.4759
algreatlakes.com

To: ANGELINA-NECHES RIVER AUTHOR.
2901 N JOHN REDDITT DR
LUFKIN, TX 75904-1628

For: STOCKPILE 322

COPY: COMPOST COUNCIL



STA

Attn: DALE BAILEY

Date Sampled: 3/13/2024

Date Received: 3/14/2024

Date Reported: 4/4/2024

Page: 1 of 4

Sample ID: STOCKPILE 322

Lab Number: 63930

COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	60.21		TMECC 03.09-A
Solids	%	39.79		TMECC 03.09-A
Total Nitrogen (N)	%	0.79	1.99	TMECC 04.02-D
Phosphorus (P)	%	0.39	0.97	TMECC 04.03-A
Phosphate (P ₂ O ₅)	%	0.89	2.22	TMECC 04.03-A
Potassium (K)	%	0.12	0.30	TMECC 04.04-A
Potash (K ₂ O)	%	0.14	0.36	TMECC 04.04-A
Magnesium (Mg)	%	0.06	0.14	TMECC 04.05-MG
Calcium (Ca)	%	0.42	1.05	TMECC 04.05-CA
Arsenic	mg/kg	2.62	6.59	US EPA SW846-6020
Cadmium	mg/kg	0.230	0.579	US EPA SW846-6020
Chromium	mg/kg	18.1	45.6	US EPA SW846-6020
Copper	mg/kg	89	223	US EPA SW846-6010C
Mercury	mg/kg	0.103	0.260	US EPA SW846-6020
Molybdenum	mg/kg	1.70	4.28	US EPA SW846-6020

TMECC - Test Methods for the Examination of Composting and Compost (TMECC), The U.S. Composting Council.

-COMPOST

Report Approved By: 
 Approval Date: 4/04/2024
 Don Burgess - Agronomist / Technical Services - CPAg/CPSS/CCA

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Nickel	mg/kg	9.2	23.2	US EPA SW846-6020
Lead	mg/kg	6.6	16.5	US EPA SW846-6020
Selenium	mg/kg	1.07	2.70	US EPA SW846-6020
Zinc	mg/kg	123	310	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	4.9		TMECC 04.11-A
Soluble Salts	dS/m	1.72		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		80	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	16.47	41.40	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	23.32	58.60	TMECC 05.07-A
Total Organic Carbon (C)	%	11.66	29.30	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	14.7:1	14.7:1	TMECC 05.02-A
Inerts - Total	%		0.00	TMECC 02.02-C
Foreign Material	%		0.00	TMECC 03.08-A

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Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.3		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	14.9		TMECC 05.05-A
Respiration - CO ₂ -C/g TS	mg CO ₂ -C / g TS/Day		0.2	TMECC 05.08-B
Respiration - CO ₂ -C/g OM	mg CO ₂ -C / g OM/Day		0.1	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		95.65	TMECC 02.02-B
Retained on U.S. 3-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 2-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 1-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/4-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 5/8-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 1/2-inch Sieve	%		1.10	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		3.25	TMECC 02.02-B

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Retained on U.S. 1/4-inch Sieve	%		11.13	TMECC 02.02-B