

Report Number  
F23251-6523  
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 319

COPY: COMPOST COUNCIL



STA

Attn: DALE BAILEY

Date Sampled: 9/7/2023

Date Received: 9/8/2023

Date Reported: 9/28/2023

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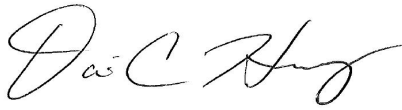
Sample ID: STOCKPILE 319  
Lab Number: 58336

## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	50.00		TMECC 03.09-A
Solids	%	50.00		TMECC 03.09-A
Total Nitrogen (N)	%	0.66	1.31	TMECC 04.02-D
Phosphorus (P)	%	0.20	0.39	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.45	0.89	TMECC 04.03-A
Potassium (K)	%	0.09	0.18	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.11	0.22	TMECC 04.04-A
Magnesium (Mg)	%	0.05	0.10	TMECC 04.05-MG
Calcium (Ca)	%	0.30	0.60	TMECC 04.05-CA
Arsenic	mg/kg	1.73	3.45	US EPA SW846-6020
Cadmium	mg/kg	0.163	0.325	US EPA SW846-6020
Chromium	mg/kg	5.5	11.1	US EPA SW846-6020
Copper	mg/kg	42.4	84.7	US EPA SW846-6010C
Mercury	mg/kg	0.058	0.115	US EPA SW846-6020
Molybdenum	mg/kg	1.63	3.25	US EPA SW846-6020

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

-COMPOST

Report Approved By:   
David Henry - Agronomist / Technical Services - CCA  
Approval Date: 9/28/2023

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	3.44	6.89	US EPA SW846-6020
Lead	mg/kg	4.78	9.56	US EPA SW846-6020
Selenium	mg/kg	0.52	1.04	US EPA SW846-6020
Zinc	mg/kg	102	203	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.2		TMECC 04.11-A
Soluble Salts	dS/m	2.37		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		100	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	20.86	41.72	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	29.14	58.28	TMECC 05.07-A
Total Organic Carbon (C)	%	14.57	29.14	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	22.2:1	22.2:1	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	%	94		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.5		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	13.0		TMECC 05.05-A
Respiration - CO <sub>2</sub> -C/g TS	mg CO <sub>2</sub> -C / g TS/Day		0.2	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -C / g OM/Day		0.2	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		98.04	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	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		1.96	TMECC 02.02-B

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## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Retained on U.S. 1/4-inch Sieve	%		4.49	TMECC 02.02-B