

Report Number  
F23313-6528  
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 318

COPY: COMPOST COUNCIL



STA

Attn: DALE BAILEY

Date Sampled: 11/7/2023

Date Received: 11/9/2023

Date Reported: 11/22/2023 Page: 1 of 4

Sample ID: STOCKPILE 318  
Lab Number: 60365

## COMPOST ANALYSIS

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	45.61		TMECC 03.09-A
Solids	%	54.39		TMECC 03.09-A
Total Nitrogen (N)	%	1.07	1.97	TMECC 04.02-D
Phosphorus (P)	%	0.41	0.76	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.95	1.74	TMECC 04.03-A
Potassium (K)	%	0.13	0.24	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.16	0.29	TMECC 04.04-A
Magnesium (Mg)	%	0.09	0.16	TMECC 04.05-MG
Calcium (Ca)	%	0.54	1.00	TMECC 04.05-CA
Arsenic	mg/kg	5.8	10.7	US EPA SW846-6020
Cadmium	mg/kg	0.272	0.501	US EPA SW846-6020
Chromium	mg/kg	16.3	30.0	US EPA SW846-6020
Copper	mg/kg	96	176	US EPA SW846-6010C
Mercury	mg/kg	0.346	0.636	US EPA SW846-6020
Molybdenum	mg/kg	2.25	4.14	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: 11/22/2023

David Henry - Agronomist / Technical Services - CCA

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Nickel	mg/kg	6.8	12.5	US EPA SW846-6020
Lead	mg/kg	10.6	19.5	US EPA SW846-6020
Selenium	mg/kg	2.28	4.19	US EPA SW846-6020
Zinc	mg/kg	216	398	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	6.3		TMECC 04.11-A
Soluble Salts	dS/m	3.34		TMECC 04.10-A
Fecal Coliform/MPN	MPN/g dry		10	SM(20th)-9221E TMECC
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Ash @ 550 C	%	27.80	51.12	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	26.59	48.88	TMECC 05.07-A
Total Organic Carbon (C)	%	13.29	24.44	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	12.4:1	12.4:1	TMECC 05.02-A
Inerts - Total	%		0.00	TMECC 02.02-C
Foreign Material	%		0.00	TMECC 03.08-A

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Germination - Emergence	%	100		TMECC 05.05-A
Germination - Vigor	%	100		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		0.3	TMECC 05.08-B
Respiration - CO <sub>2</sub> -C/g OM	mg CO <sub>2</sub> -C / g OM/Day		0.3	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		100.00	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	%		0.00	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	%		6.72	TMECC 02.02-B