

Report Number  
F23159-6517  
Account Number  
25573



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



To: EMMET COUNTY DEPT PUBLIC WORKS  
STE G26  
200 DIVISION ST  
PETOSKEY, MI 49770-2465

Sample ID: EMMET COUNTY COMPOST SUMMER 2023 1000 YDS  
Lab Number: 56204

### COMPOST ANALYSIS

Date Sampled: 6/7/2023  
Date Received: 6/8/2023  
Date Reported: 6/22/2023 Page: 1 of 3

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	39.72		TMECC 03.09-A
Solids	%	60.28		TMECC 03.09-A
Total Nitrogen (N)	%	0.45	0.75	TMECC 04.02-D
Phosphorus (P)	%	0.07	0.11	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.15	0.25	TMECC 04.03-A
Potassium (K)	%	0.14	0.24	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.17	0.29	TMECC 04.04-A
Magnesium (Mg)	%	0.27	0.45	TMECC 04.05-MG
Calcium (Ca)	%	1.78	2.95	TMECC 04.05-CA
pH	-	7.9		TMECC 04.11-A
Soluble Salts	dS/m	0.69		TMECC 04.10-A
Ash @ 550 C	%	46.86	77.74	TMECC 03.02-B
Organic Matter (LOI @ 550 C)	%	13.42	22.26	TMECC 05.07-A
Total Organic Carbon (C)	%	6.71	11.13	TMECC 04.01-A
Carbon:Nitrogen Ratio (C:N)	-	14.8:1	14.8:1	TMECC 05.02-A

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: 6/22/2023

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Total Inerts	%		0.00	TMECC 03.08-A
Foreign Material	%		0.00	TMECC 03.08-A
Germination - Emergence	%	93		TMECC 05.05-A
Germination - Vigor	%	100		TMECC 05.05-A
Ave Ht of Seedlings in Control	centimeters	9.8		TMECC 05.05-A
Ave Ht of Seedlings in Compost	centimeters	13.3		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		0.4	TMECC 05.08-B
Compost Stability Index	-		Very Stable	TMECC 05.08
Passing U.S. 3/8-inch Sieve	%		92.86	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

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Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Retained on U.S. 1/2-inch Sieve	%		0.00	TMECC 02.02-B
Retained on U.S. 3/8-inch Sieve	%		7.14	TMECC 02.02-B
Retained on U.S. 1/4-inch Sieve	%		10.99	TMECC 02.02-B