Midwest Laboratories, Inc.®
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Lab # 70851709 **Report of Analysis** Report Number: 26-247-4283

Account: 38118	SCOTT KING ERTH PRODUCTS PO BOX 2892 PEACHTREE GA 30269
Date Sampled:	2026-08-20
Date Received:	2026-08-24
Sample ID:	ERTH Food

Robert Ferris
Account Manager
402-829-9871

ERTH Food

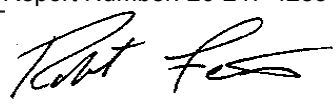
		Analysis (as rec'd)	Analysis (dry weight)	Total content, lbs per ton (as rec'd)
NUTRIENTS				
Nitrogen				
Total Nitrogen	%	1.70	3.57	34.0
Organic Nitrogen	%	1.30	2.72	25.9
Ammonium Nitrogen	%	0.363	0.762	7.3
Nitrate Nitrogen	%	0.04	0.08	0.8
Major and Secondary Nutrients				
Phosphorus	%	1.15	2.41	23.0
Phosphorus as P2O5	%	2.63	5.52	52.6
Potassium	%	0.47	0.99	9.4
Potassium as K2O	%	0.57	1.20	11.4
Sulfur	%	0.33	0.69	6.6
Calcium	%	0.52	1.09	10.4
Magnesium	%	0.22	0.46	4.4
Sodium	%	0.050	0.105	1.0
Micronutrients				
Iron	ppm	5960	12510	11.9
Manganese	ppm	192	403	0.4
Boron	ppm	< 100	----	----
OTHER PROPERTIES				
Moisture	%	52.36		
Total Solids	%	47.64		952.8
Organic Matter	%	32.20	67.59	644.0
Ash	%	14.50	30.44	290.0
Total Carbon	%	17.71	37.17	
Chloride	%	< 0.01	----	
pH		6.8		
Conductivity 1:5 (Soluble Salts)	mS/cm	6.51		

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Lab # 70851709 **Biological & Physical Properties** Report Number: 26-247-4283

Account: 38118	SCOTT KING ERTH PRODUCTS PO BOX 2892 PEACHTREE GA 30269
Date Sampled:	2026-08-20
Date Received:	2026-08-24
Sample ID:	ERTH Food



Robert Ferris
Client Service Representative
402-829-9871

ERTH Food

	Analysis (as rec'd)	Analysis (dry weight)	Units	Detection Limit	Method
Biological Properties					
Germination	100		%	1	TMECC 05.05A
Germination Vigor	100		%	1	TMECC 05.05A
CO_2 OM Evolution	0.27		$mgCO_2$-C/gOM/day	0.01	TMECC 05.08B
CO_2 Solids Evolution	0.51		$mgCO_2$-C/gTS/day	0.01	TMECC 05.08B
Fecal Coliform		< 0.2	mpn/g	0.2	EPA 1681
Salmonella		< 1.2	mpn/4g	1.2	TMECC 07.02
Stability Rating	Stable		N/A	N/A	TMECC 05.08B
Physical Properties					
Bulk Density (Compost)	657		lbs/cu yard	1	TMECC 03.01A
Film Plastics	n.d.		%	0.1	TMECC 03.08
Glass Fragments	n.d.		%	0.1	TMECC 03.08
Hard Plastics	n.d.		%	0.1	TMECC 03.08
Metal Fragment	n.d.		%	0.1	TMECC 03.08
Sharps	Absent		---	0.1	TMECC 03.08
Max. Particle Length		0.5	inches	N/A	TMECC Sieve
Sieve % Passing 3"		100	%	0.01	TMECC Sieve
Sieve % Passing 2"		100	%	0.01	TMECC Sieve
Sieve % Passing 1.5"		100	%	0.01	TMECC Sieve
Sieve % Passing 1"		100	%	0.01	TMECC Sieve
Sieve % Passing 3/4"		100	%	0.01	TMECC Sieve
Sieve % Passing 5/8"		100	%	0.01	TMECC Sieve
Sieve % Passing 3/8"		100	%	0.01	TMECC Sieve
Sieve % Passing 1/4"		84	%	0.01	TMECC Sieve

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Compost Results Interpretations

Page 1

Report #:	26-247-4283
DATE RECEIVED:	2026-08-24

Organic Matter %

32.20	As Received
67.59	Dry Weight

Greater than 20% indicates a desirable range for compost on a dry weight basis.

Compost is a significant source of Organic Matter, which is an important supplier of carbon. Organic Matter improves soil and plant efficiency by improving soil physical properties, providing a source of energy to beneficial organisms, and enhancing the reservoir of soil nutrients.

C/N Ratio

10.4:1

20-30 indicates an ideal range for the initial compost process.

10-20 indicates an ideal range for a finished compost.

All organic matter is made up of substantial amounts of carbon with lesser amounts of nitrogen. The balance of these two elements is called the Carbon/Nitrogen Ratio. For the best performance, the compost pile requires the correct proportion of carbon for energy and nitrogen for protein production. If the C:N ratio is too high (excess carbon) decomposition slows down. If the C:N ratio is too low (excess Nitrogen) the compost pile could be difficult to manage.

Moisture %

52.36

<35% = Indicates overly dry compost

>55% = Indicates overly wet compost

Moisture Percent is the measure of water present in the compost and expressed as a percentage of total weight. Moisture present affects handling and transport. Overly dry will be light and dusty while overly wet will be heavy and clumpy. A desirable moisture content of finished compost will range between 40 to 50%.

Compost Results Interpretations

Page 2

Report #:	26-247-4283
DATE RECEIVED:	2026-08-24

Conductivity or Soluble Salts measures the conductance of electrical current in a liquid compost slurry. Excessive soluble salt content in a compost can prevent or delay seed germination and proper root growth. Conductivity analysis is done on a 1:5 basis.

Conductivity 1:5
6.5

Conductivity Level	**Interpretation**
Greater than 10	Very High nutrient content. Use for Ag Applications
5 - 10	High nutrient content. Use for Ag Applications
3 - 5	Higher than desirable for salt sensitive plants, some loss of vigor
0.6 - 3	Desirable range for most plants
0.3 - 0.6	Ideal range for greenhouse growth media
0.0 - 0.3	Very Low: Indicates very low nutrient status: plants may show deficiencies.

Compost Results Interpretations

Page 3

Report #: 26-247-4283

DATE RECEIVED: 2026-08-24

pH Value

6.8

0 to 14 scale with 6 to 8 as normal pH levels for compost

A pH in the 6 to 8 pH range indicates a more mature compost

pH measures the acidity or alkalinity of the compost, and is a measurement of the hydrogen ion activity of a soil or compost on a logarithmic scale. The pH scale ranges from 0 to 14 and 7 indicates a neutral pH. Growing media with a higher pH or pH greater than 7 can benefit from a compost that has a more acidic pH or pH below 7. This type of application will possibly lower the soil pH making the soil more conducive to plants that thrive in a more acidic soil condition.

Nutrient Index (Ag Index)

>10

The Nutrient Index normally runs between 1 and 10.

The Nutrient Index is obtained by dividing the total nutrients (N,P,K) by the amount of salt (Sodium and Chloride). The higher the Nutrient Index the less chance of having a toxic buildup of Sodium (salt) in the soil.

AG INDEX CHART

salt injury possible	*use on soils with excellent drainage characteristics, good water quality and low salts*				*you may use on soils with poor drainage, poor water quality, or high salts*					*for all soils*
1	2	3	4	5	6	7	8	9	10	> 10

Nutrients (N+P205+K20)

10.29 Average Nutrient Content Dry Weight <2 = Low, >5 = High

1.5-2.5-0.5 Rating As Received

The most commonly used compost data is the amount of Nitrogen, Phosphate, and Potash (abbreviated as N,P,K) present and the information is similar to that found in common fertilizers. If a compost result has the rating 1-2-2 it means that the compost has 1% Nitrogen, 2% Phosphate and 2% Potash. Most compost tests will have a average nutrient level (N+P+K) of < 5%.

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ERTH PRODUCTS
SCOTT KING
PO BOX 2892
PEACHTREE GA 30269

REPORT OF ANALYSIS

For: (38118) ERTH PRODUCTS
ERTH Food

Analysis	Level Found As Received	Level Found Dry Weight	Units	Reporting Limit	Method	Analyst-Date	Verified-Date
Sample ID: **ERTH Food** Lab Number: **70851709** Date Sampled: **2026-08-20 1130**							
Cadmium (total)	n.d.	n.d.	mg/kg	0.20	EPA 6010	erw9-2026/08/26	ras7-2026/09/02
Chromium (total)	8.58	18.0	mg/kg	1.00	EPA 6010	erw9-2026/08/26	ras7-2026/09/02
Mercury (total)	n.d.	0.08	mg/kg	0.05	EPA 7471	rwd9-2026/08/28	ras7-2026/09/02
Lead (total)	n.d.	5.8	mg/kg	5.0	EPA 6010	erw9-2026/08/26	ras7-2026/09/02
Molybdenum (total)	1.6	3.4	mg/kg	1.0	EPA 6010	erw9-2026/08/26	ras7-2026/09/02
Nickel (total)	6.2	13.0	mg/kg	1.0	EPA 6010	erw9-2026/08/26	ras7-2026/09/02
Selenium (total)	n.d.	n.d.	mg/kg	10.0	EPA 6010	erw9-2026/08/26	ras7-2026/09/02
Zinc (total)	143.5	301.2	mg/kg	2.0	EPA 6010	erw9-2026/08/26	ras7-2026/09/02
Copper (total)	56.2	118	mg/kg	1	EPA 6010	erw9-2026/08/26	ras7-2026/09/02
Arsenic (total)	0.97	2.03	mg/kg	0.5	EPA 6020	nto7-2026/08/26	ras7-2026/09/02
Cobalt (total)	1.03	2.17	mg/kg	1.00	EPA 6010	erw9-2026/08/26	ras7-2026/09/02

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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ERTH PRODUCTS
SCOTT KING
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REPORT OF ANALYSIS

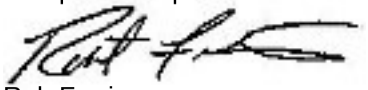
For: (38118) ERTH PRODUCTS
ERTH Food

Analysis	Level Found As Received	Level Found Dry Weight	Units	Reporting Limit	Method	Analyst-Date	Verified-Date

EPA 1681 holding time of < 24 hours from sampling to laboratory set up of samples for biosolids and compost has been exceeded. Individual states enforce different holding times for compost or biosolids so please contact the regulatory body in your state for their requirements.

n.d. = not detected , ppm = parts per million, ppm = mg/kg, ppm = mg/L

For questions please contact:



Rob Ferris
Account Manager
rferris@midwestlabs.com (402)829-9871

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70851709-709
Samples: 1 Page: 1/1
Ehw4
2026 08 24 10:27

SUBMITTAL FORM

Order Number: 5548109
Order Date: 2026-08-20 11:04:03
Submitted By: Scott King

Account: 38118
ERTH PRODUCTS
PO BOX 2892
PEACHTREE, GA 30269

Sample Description: ERTH Food
Safety Data Sheet Description: Sample Does Not Require Safety Data Sheet

SAMPLES FOR ANALYSIS

Compost

5548109-1
Sample ID: ERTH Food
Time Sampled: 1130
Date Sampled: 2026-08-20

70851709

Analysis Requested:

USCC Seal of Testing Assurance (STA) *(Carbon (total), Loss on ignition (OM), Nitrogen (total), Ammonium nitrogen (total), Germination vigor, % passing - 3/8" sieve (DW), CO2 OM Evolution, CO2 Solids Evolution, Stability rating, % passing - 3" sieve (DW), % passing - 3/4" sieve (DW), Fecal coliforms, % passing - 1" sieve (DW), % passing - 1.5" sieve (DW), % passing - 1/4" sieve (DW), Sieve maximum particle length (Inches), Cadmium (total), Chromium (total), Mercury (total), Lead (total), Molybdenum (total), Nickel (total), Germination, % passing - 5/8" sieve (DW), Conductivity 1:5 ratio, Sulfur (total), Magnesium (total), Iron (total), Calcium (total), Sodium (total), Manganese (total), Bulk Density (Compost), Film plastic, Glass fragments, Hard plastic, Metal fragments, Sharps, Chloride, Boron (total), Phosphate (P2O5), Nitrate-nitrogen, Ash, Moisture, % passing - 2" sieve (DW), Selenium (total), Zinc (total), Potash (K2O), Copper (total), Arsenic (total), pH, Salmonella, Cobalt (total))*

Lab Use Only
Thermometer # 43 Initials GS
OT (°C) 21.4 CF (°C) 0.4 CT (°C) 21.8
Date/Time 8/24/26 1018

5548109-1

Please print this subform and include it in the box with your samples