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Lab # 70425814	Report of Analysis			Report Number: 24-065-4073		
Account:	COMPOST TECHNOLOGIES LLC			_		
43761	COMPOST TECH	LLC	At P-			
	48414 COUNTY	RD B		Con	700	
	CENTER CO 811	125		Rob	ert Ferris	
				Accou	nt Manager	
Date Sampled:	2024-02-22			4	829-9871	
Date Received:	2024-02-28			COMPOST		
Sample ID:	COMPOST LINE	5.6				
•					Total content,	
			Analysis	Analysis	lbs per ton	
			(as rec'd)	(dry weight)	(as rec'd)	
NUTRIENTS			((2.)	(
Nitrogen						
Total Nitroge	en	%	1.37	1.81	27.4	
Organic Nitr		%	1.08	1.43	21.7	
Ammonium	~	%	0.287	0.380	5.7	
Nitrate Nitro	•	%	< 0.01			
	9011	70	0.01			
Major and Seco	ndary Nutrients					
Phosphorus		%	0.60	0.79	12.0	
Phosphorus		%	1.37	1.81	27.4	
Potassium	431205	%	1.69	2.24	33.8	
Potassium a	%	2.03	2.69	40.6		
Sulfur	%	1.10	1.46	22.0		
Calcium	%	4.32	5.71	86.4		
		%	0.79	1.04	15.8	
Magnesium Sodium		%	0.79	0.701	10.6	
Soulum		70	0.550	0.701	10.0	
Micronutrients						
Zinc			212	280	0.4	
Iron		ppm	16900	22354	33.8	
		ppm		612	0.9	
Manganese		ppm	463		0.9	
Copper		ppm	42	56		
Boron		ppm	< 100			
]	
		%	24.40			
Moisture			24.40		1510.0	
Total Solids		%	75.60	20.50	1512.0	
Organic	water	%	23.10	30.56	462.0	
Ash		%	52.40	69.31	1048.0	
C:N Ratio		0/	8:1	40 -		
Total Carbo	n	%	10.37	13.72		
Chloride		%	0.66	0.87		
pH			8.0			
Conductivity	1:5 (Soluble Salts)	mS/cm	10.3			

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PAGE 2/4

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Compost Results Interpretations Page 1

Report #: DATE RECEIVED: 24-065-4073 2024-02-28

Organic Matter %	
23.10 As Received	Greater than 20% indicates a desirable range for compost on a dry weight basis.
30.56 Dry Weight	
improves soil and pla	a significant source of Organic Matter, which is an important supplier of carbon. Organic Matter nt efficiency by improving soil physical properties, providing a source of energy to beneficial ncing the reservoir of soil nutrients.

C/N Ratio 7.6:1

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 %	<35% = Indicates overly dry compost
	>55% = Indicates overly wet compost
present affect	eent is the measure of water present in the compost and expressed as a percentage of total weight. Moisture s handling and transport. Overly dry will be light and dusty while overly wet will be heavy and clumpy. A sture content of finished compost will range between 40 to 50%.

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PAGE 3/4

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Compost Results Interpretations	Report #:	24-065-4073
Page 2	DATE RECEIVED:	2024-02-28

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 10.3	
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.

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PAGE 4/4

13611 "B" Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 www.midwestlabs.com

Compost Results Interpretations Page 3	Report #: DATE RECEIVED:	24-065-4073 2024-02-28	
pH Value			
8.0 0 to 14 scale with 6 to 8 as	normal pH levels for compost		
A pH in the 6 to 8 pH	I 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 indic	ates a neutral pH. Growing media with a higher pH	or pH	
greater than 7 can benefit from a compost that has a more acidi	c pH or pH below 7. This type of application will po	ssibly	
lower the soil pH making the soil more conducive to plants that t	hrive in a more acidic soil condition.		

Nutrient Index 4.(, ,			The Nutrie	nt Index nor	mally runs	between 1	and 10.			
The Nutrient		,	0		(N,P,K) by up of Sodium			dium and C	hloride). T	he higher th	ne Nutrient
	AG INDEX CHART										
	salt use on soils with excellent drainage characteristics, injury good water quality and low salts				you may use on soils with poor drainage, poor water quality, or high salts						
	injury					you				water	for all soils

Nutrients (N+	+P205+K20)
6.31 1.5-1.5-2	Average Nutrient Content Dry Weight<2 = Low, >5 = HighRating 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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