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Lab # 70606919	Repor	t of Analys	sis	Report Num	ber: 25-087-4196	
Account:	COMPOST TECH	HNOLOGIES	LLC	_		
43761	COMPOST TECH	HNOLOGIES	LLC	140-		
	48414 COUNTY	RD B		1 Kold	700	
	CENTER CO 811	25		Rob	ert Ferris	
				Accour	nt Manager	
Date Sampled:				402-829-9871		
Date Received:	2025-03-21			COMPOST		
Sample ID:	CHICKEN LITTE	R				
				•	Total content,	
			Analysis	Analysis	lbs per ton	
			(as rec'd)	(dry weight)	(as rec'd)	
NUTRIENTS						
Nitrogen						
Total Nitro	ogen	%	2.15	3.01	43.0	
Organic N	litrogen	%	1.81	2.54	36.2	
Ammoniu	m Nitrogen	%	0.340	0.476	6.8	
Nitrate Ni	trogen	%	< 0.01			
Major and Se	condary Nutrients					
Phosphor	us	%	0.58	0.81	11.6	
Phosphor	us as P2O5	%	1.33	1.86	26.6	
Potassiun	n	%	1.34	1.88	26.8	
Potassiun	n as K2O	%	1.61	2.25	32.2	
Sulfur		%	0.51	0.71	10.2	
Calcium		%	2.68	3.75	53.6	
Magnesiu	m	%	0.45	0.63	9.0	
Sodium		%	0.310	0.434	6.2	
Micronutrient	S					
Zinc		ppm	223	312	0.4	
Iron		ppm	9070	12703	18.1	
Mangane	se	ppm	340	476	0.7	
Copper		ppm	46.8	66		
Boron		ppm	< 100			
OTHER PROPERTIE	S					
Moisture	%	28.60				
Total Soli	%	71.40		1428.0		
Organ	ic Matter	%	29.60	41.46	592.0	
Ash		%	41.50	58.12	830.0	
C:N Ratio			7:1			
Total Carl	bon	%	14.22	19.92		
Chloride		%	0.39	0.55		
pH			6.1			
Conductiv	mS/cm	11.1				

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Compost Results Interpretations Page 1

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Organic Matter %		
29.60 As Received	Greater than 20% indicates a desirable range for compost on a dry weight basis.	
41.46 Dry Weight		
Compost improves soil and p organisms, and enh	is a significant source of Organic Matter, which is an important supplier of carbon. Organic Matter ant efficiency by improving soil physical properties, providing a source of energy to beneficial ancing the reservoir of soil nutrients.	

C/N Ratio 6.6:1

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.

ſ	Moisture %		
	28.60	<35% = Indicates overly dry compost	
		>55% = Indicates overly wet compost	
	Moisture Perc present affects desirable mois	ent 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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Compost Results Interpretations	Report #:	
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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	
11.1	
Conductivity Leve	el 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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Compost Results Interpretations	Report #:	25-087-4196			
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ph value					
6.1 0 to 14 scale with 6 to 8 as n	ormal 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 t	he hydrogen ion activity of a soil or compost on a				
logarithmic scale. The pH scale ranges from 0 to 14 and 7 indica	ttes a neutral pH. Growing media with a higher p⊦	l 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 7.3	(Ag Index)]		The Nutrie	ent Index nor	mally runs	between 1 a	and 10.			
The Nutrient I	ndex is obta Index the le	ained by div ess chance	iding the to of having a	otal nutrients a toxic build	s (N,P,K) by up of Sodium	the amoun n (salt) in th	t of salt (So ne soil.	dium and C	hloride). Th	he higher ti	he Nutrient
	AG INDEX CHART										
					AG	INDEX CHA	RT				
	salt injury possible	use on soil. g	s with exceller ood water qua	nt drainage chality and low sa	AG aracteristics, alts	FINDEX CHA you	RT may use on sc qu	ils with poor a ality, or high s	lrainage, poor alts	water	for all soils

Nutrients (N+	+P205+K20)	
7 1 2	Average Nutrient Content Dry Weight	<2 - 1 ov $>5 - High$
7.15	Average Nuthent Content Dry Weight	z = Low, z = High
2-1.5-1.5	Rating As Received	
	The most commonly used compost data and the information is similar to that found in com 1% Nitrogen, 2% Phosphate and 2% Potash. Mos	a is the amount of Nitrogen, Phosphate, and Potash (abbreviated as N,P,K) present mon fertilizers. If a compost result has the rating 1-2-2 it means that the compost has st compost tests will have a average nutrient level (N+P+K) of < 5%.

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