



Diagnostic

Waste Report

Client: Garry Lipscomb
314 Latta Rd
Durham, NC 27712
Durham County

Advisor: ,

Sampled: 01/14/2013

Received: 01/16/2013

Completed: 01/23/2013

Farm: NEW SOIL

[Links to Helpful Information](#)

Sample Information	Nutrient and Other Measurements																									
Sample ID: NSC101 Waste Code: FCW Description: Composted Waste - Other Comments:	<i>Nitrogen (N) (ppm)</i>																									
	<i>Total N</i>	15300	<i>P (ppm)</i>	1320	<i>K (ppm)</i>	4970	<i>Ca (ppm)</i>	28700	<i>Mg (ppm)</i>	2240	<i>S (ppm)</i>	1650	<i>Fe (ppm)</i>	2330	<i>Mn (ppm)</i>	1130	<i>Zn (ppm)</i>	111	<i>Cu (ppm)</i>	35.1	<i>B (ppm)</i>	84.1	<i>Na (ppm)</i>	3660	<i>C (ppm)</i>	302000
	<i>Total Kjeldahl N</i>																									
	<i>Inorganic N</i>																									
	<i>NH₄-N</i>	6.90	<i>DM (%)</i>	30.9	<i>SS (10⁻⁵S/cm)</i>			227	<i>EC (mS/cm)</i>			2.27	<i>CCE (%)</i>		<i>ALE(tons)</i>		<i>C:N</i>			19.7 : 1						
<i>Organic N</i>																										
<i>Urea</i>	<i>Ni (ppm)</i>		<i>Cd (ppm)</i>		<i>Pb (ppm)</i>		<i>Al (ppm)</i>		<i>Se (ppm)</i>		<i>Li (ppm)</i>		<i>As (ppm)</i>		<i>Cr (ppm)</i>		<i>Co (ppm)</i>		<i>Cl (ppm)</i>		<i>Mo (ppm)</i>					

<i>Application Method</i>	Estimate of Nutrients Available for First Crop (lb / ton)											Other Elements (lb / ton)								
	<i>N</i>	<i>P₂O₅</i>	<i>K₂O</i>	<i>Ca</i>	<i>Mg</i>	<i>S</i>	<i>Fe</i>	<i>Mn</i>	<i>Zn</i>	<i>Cu</i>	<i>B</i>	<i>Mo</i>	<i>Cl</i>	<i>Na</i>	<i>Ni</i>	<i>Cd</i>	<i>Pb</i>	<i>Al</i>	<i>Se</i>	<i>Li</i>
Broadcast	3.79	1.12	2.95	10.6	0.83	0.61	0.87	0.42	0.04	0.01	0.03		2.26							
Injection	4.73	1.40	3.32	13.3	1.04	0.77	1.08	0.52	0.05	0.02	0.04		2.26							

Agronomist's Comments:

Ideal C:N depends on the materials used. Generally the ideal C:N ratio ranges from 20-30. Aaron Pettit 1/23/2013 9:42 AM



Reprogramming of the laboratory-information-management system that makes this report possible is being funded through a grant from the North Carolina Tobacco Trust Fund Commission.

Thank you for using agronomic services to manage nutrients and safeguard environmental quality.
- Steve Troxler, Commissioner of Agriculture.

Garry Lipscomb

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Sample Information	Nutrient and Other Measurements																			
Sample ID: NSC201 Waste Code: FCW Description: Composted Waste - Other Comments:	Nitrogen (N) (ppm)		P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)						
	Total N	11300	2020	5240	18300	2560	1760	2550	855	123	35.3	34.6	2540	195000						
	Total Kjeldahl N		pH		DM (%)	SS (10 ⁻⁵ S/cm)		EC (mS/cm)		CCE (%)		ALE(tons)		C:N						
	Inorganic N		7.47		35.6	217		2.17						17.3 : 1						
	NH ₄ -N																			
	Organic N		Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)							
	Urea																			
Application Method	Estimate of Nutrients Available for First Crop (lb / ton)												Other Elements (lb / ton)							
	N	P ₂ O ₅	K ₂ O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast	3.21	1.97	3.58	7.82	1.09	0.75	1.09	0.37	0.05	0.02	0.01			1.80						
Soil Incorporated	4.01	2.47	4.02	9.77	1.37	0.94	1.36	0.46	0.07	0.02	0.02			1.80						
Agronomist's Comments:																				
Ideal C:N depends on the materials used. Generally the ideal C:N ratio ranges from 20-30 The ideal pH for potting media ranges from 5.0-6.5 depending upon the plant being grown. pH that is outside of this range can limit availability of some plant nutrients and/or cause root damage. To adjust pH consider blending with other materials.																				

Garry Lipscomb

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Sample Information

Nutrient and Other Measurements

Sample ID: NSWC01
Waste Code: FCW
Description:
 Composted Waste -
 Other
Comments:

Nitrogen (N) (ppm)		P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
Total N	19100	1870	5800	25400	2000	2110	1750	486	158	30.5	26.6	1810	243000
Total Kjeldahl N		-----											
Inorganic N		pH	DM (%)	SS (10 ⁻⁵ S/cm)		EC (mS/cm)		CCE (%)		ALE(tons)		C:N	
NH ₄ -N		6.07	42.0	610		6.10						12.7 : 1	
NO ₃ -N		-----											
Organic N		Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)	
Urea													

Application Method

Estimate of Nutrients Available for First Crop (lb / ton)													Other Elements (lb / ton)						
N	P ₂ O ₅	K ₂ O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast	6.42	2.16	4.69	12.8	1.01	1.07	0.88	0.25	0.08	0.02	0.01		1.53						
Soil Incorporated	8.02	2.70	5.27	16.0	1.26	1.33	1.10	0.31	0.10	0.02	0.02		1.53						

Agronomist's Comments:

Ideal C:N depends on the materials used. Generally the ideal C:N ratio ranges from 20-30. The electrical conductivity is high in this sample. If using this material in a container substrate mix, take this property into consideration. High EC can indicate good fertilizer value. High EC can also lead to root damage if the media is allowed to dry out.