



Predictive

Waste Report

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

Advisor: Tony Gallagher
DENR
1646 Mail Service Center
Raleigh, NC 27699

Sampled: 09/12/2016

Received: 09/13/2016

Completed: 09/19/2016

Farm: NewSoil

[Links to Helpful Information](#)

Sample Information	Nutrient and Other Measurements																			
Sample ID: NSWC07 Waste Code: FCW Description: Compost, Plant Material Comments:	Nitrogen (N) (ppm)		<i>P (ppm)</i>	<i>K (ppm)</i>	<i>Ca (ppm)</i>	<i>Mg (ppm)</i>	<i>S (ppm)</i>	<i>Fe (ppm)</i>	<i>Mn (ppm)</i>	<i>Zn (ppm)</i>	<i>Cu (ppm)</i>	<i>B (ppm)</i>	<i>Na (ppm)</i>	<i>C (ppm)</i>						
	Total N	30000	3070	7270	22900	5020	2460	4880	1070	325	34.8	27.8	625	400000						
	Total Kjeldahl N																			
	Inorganic N		<i>pH</i>	<i>DM (%)</i>	<i>SS (10⁻⁵S/cm)</i>			<i>EC (mS/cm)</i>		<i>CCE (%)</i>	<i>ALE(tons)</i>		<i>C:N</i>							
	NH ₄ -N	2120	5.86	32.2	514			5.14		4.25	65.8		13.3 : 1							
	NO ₃ -N	62.0																		
	2060																			
	Organic N	27900	<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>							
	Urea		7.25	0	15.2															
			Estimate of Nutrients Available for First Crop (lb / ton)										Other Elements (lb / ton)							
Application Method	<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	19.3	4.52	5.61	14.8	3.23	1.58	3.14	0.69	0.21	0.02	0.02		0.40	T	T	0.01				
Soil Incorporated	19.3	4.52	5.61	14.8	3.23	1.58	3.14	0.69	0.21	0.02	0.02		0.40	T	T	0.01				

Agronomist's Comments:

* 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 especially when the media is allowed to dry out. * Insufficient information is available regarding the first year availability of nutrients in this material. The nutrient availability reported here is therefore the TOTAL nutrients in the material. Samples submitted prior to 2016 reported an estimated value rather than total nutrient levels. Please contact me if you have any questions. Hunter G. Landis 9/16/2016 1:35 PM



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

Understanding the Waste Report * - *additional information:* www.ncagr.gov/agronomi/pdffiles/uwaste.pdf & www.ncagr.gov/agronomi/pdffiles/wasteguide.pdf

Nutrient concentrations and other data on this report are provided so that waste materials can be applied at agronomic rates, thereby supplementing or reducing fertilizer application and preventing environmental contamination. In reading the **Laboratory Results** section, remember that materials with < 15% dry matter (generally liquids) are analyzed as received; all other wastes are dried first. Values in the **Estimate of Nutrients Available for First Crop** section are based on the type of waste and method of application you specify and reflect the fact that only 40-60% of the nitrogen and 70-100% of other nutrients become available within one year of application. The remainder may or may not ever become available.

* **ppm** = parts per million; **S** = siemens; **mS** = millisiemens; **T** = trace (<0.005 lb/unit); **EC** = electrical conductivity; **CCE** = calcium carbonate equivalence; **ALE** = agricultural lime equivalence; **pH** = acidity or basicity; **DM%** = % dry matter [for semi-solid and solid waste samples, this value facilitates conversion of dry-basis concentrations (ppm) back to wet-basis of original sample]; **C:N ratio** = carbon:nitrogen ratio.