



Predictive

Waste Report

Client: Garry Lipscomb
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Durham, NC 27712
Durham County

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

Sampled: 09/15/2014

Received: 09/16/2014

Completed: 09/24/2014

Farm: Newsoil

[Links to Helpful Information](#)

Sample Information	Nutrient and Other Measurements																									
Sample ID: NSWC03 Waste Code: FCW Description: Composted Waste - Other Comments:	<i>Nitrogen (N) (ppm)</i>																									
	<i>Total N</i>	30200	<i>P (ppm)</i>	2970	<i>K (ppm)</i>	6350	<i>Ca (ppm)</i>	30600	<i>Mg (ppm)</i>	3470	<i>S (ppm)</i>	2930	<i>Fe (ppm)</i>	5910	<i>Mn (ppm)</i>	1610	<i>Zn (ppm)</i>	164	<i>Cu (ppm)</i>	34.2	<i>B (ppm)</i>	26.1	<i>Na (ppm)</i>	660	<i>C (ppm)</i>	370000
	<i>Total Kjeldahl N</i>																									
	<i>Inorganic N</i>																									
	<i>NH₄-N</i>	1620	<i>pH</i>	6.18	<i>DM (%)</i>	31.9	<i>SS (10⁻⁵S/cm)</i>	474	<i>EC (mS/cm)</i>	4.74	<i>CCE (%)</i>	4.75	<i>ALE(tons)</i>	59.4	<i>C:N</i>	12.3 : 1										
	<i>NO₃-N</i>	67.7																								
	<i>NO₃-N</i>	1560																								
	<i>Organic N</i>																									
	<i>Urea</i>	28500	<i>Ni (ppm)</i>	9.73	<i>Cd (ppm)</i>	0	<i>Pb (ppm)</i>	134																		

<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	7.69	2.60	3.89	11.7	1.33	1.12	2.26	0.62	0.06	0.01	0.01		0.42	0.01	T	0.09					
Soil Incorporated	9.61	3.25	4.38	14.6	1.66	1.40	2.82	0.77	0.08	0.02	0.01		0.42	0.01	T	0.09					

Agronomist's Comments:

Aaron Pettit 9/23/2014 2:13 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 Agriculture.

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