Predictive

Waste Report

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

Advisor: ,

Sampled: 03/05/2015 **Received:** 03/09/2015 **Completed:** 03/16/2015 *Farm:* New Soil

Links to Helpful Information

Sample Information

Sample ID: NSWC04
Waste Code: FCW
Description:
Composted Waste - Other
Comments:

Nutrient and Other Measurements

Nitrogen (N) (ppm)	
Total N	31800
Total Kjeldahl N	
Inorganic N	2360
NH_4-N	237
NO_3-N	2120
Organic N	29500
Urea	

P (ppm)	K (ppm)	Ca (ppm)	Mg (ppm)	S (ppm)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	B (ppm)	Na (ppm)	C (ppm)
2870	6520	28700	3100	2780	3350	1810	469	28.4	27.7	459	384000

pH	DM (%)	SS (10^{-5}S/cm)	EC (mS/cm)	CCE (%)	ALE (tons)	C:N
5.96	25.5	450	4.50	3.50	101	12.1 : 1

Ni (ppm)	Cd (ppm)	Pb (ppm)	Al (ppm)	Se (ppm)	Li (ppm)	As (ppm)	Cr (ppm)	Co (ppm)	Cl (ppm)	Mo (ppm)
23.4	0	44.1								

Estimate of Nutrients Available for First Crop (lb / ton)

Application Method	N	P_2O_5	K_2O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo
Broadcast	6.50	2.01	3.20	8.80	0.95	0.85	1.03	0.55	0.14	0.01	0.01	
Soil Incorporated	8.12	2.51	3.60	11.0	1.19	1.07	1.28	0.69	0.18	0.01	0.01	

Other Elements (lb / ton)

Application Method	Cl	Na	Ni	Cd	Pb	Al	Se	Li
Broadcast		0.23	0.01	T	0.02			
Soil Incorporated		0.23	0.01	T	0.02			

Agronomist's Comments:

*Aaron Pettit 3/13/2015 2:35 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 Agriculture.

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.