



Predictive

Waste Report

[Waste And Compost Analysis Section](#)

Client:

NewSoil Vermiculture LLC

Advisor:

Farm: F3122-T2807

Sampled:02/27/2026
 Received:03/02/2026
 Completed:03/10/2026

PALS #: 505724

PALS #:

Sample Information	Nutrient Measurements are given in units of milligrams per kilogram (mg/kg), unless otherwise specified.												Other Results				
	Nitrogen (N) (mg/kg)	P	K	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	C	Al	Na	Cl	
ID: TC2026 Code: FCX Description: Compost, Mixed or Other Grower Comments: Thermophilic compost	Total N: 13600	1980	8440	14000	3360	1680	3030	339	82.1	18.8	13.2	-	391000	2460	1440	-	
	Inorganic:																
	NH ₄ -N																
	NO ₃ -N																
		SS	EC	pH	BD	CCE	ALE	C:N	DM								
		(10 S/cm)	(mS/cm)	(Unitless)	(lb/yd ³)	(%)	(tons)	(Unitless)	(%)								
		250	2.50	6.90	-	-	-	28.8 : 1	32.6								
Application Method:	Estimate of Nutrients Available for First Year (lb/ton)												Other Results (lb/ton)				
	N	P ₂ O ₅	K ₂ O	Ca	Mg	S	Fe	Mn	Zn	Cu	B	Mo	Al	Na	Cl		
Soil Incorporated	8.84	2.96	6.59	9.11	2.19	1.09	1.98	0.22	0.05	0.01	0.01	-	1.60	0.94	-		



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

Nutrient Measurements are reported in mg/kg or mg/L for samples analyzed as solids or liquids, respectively. Nitrogen and carbon results are measured on an as-received basis for manures and manure-based composts and on a dry-weight basis for all other waste types. All other elements and calcium carbonate equivalent (CCE) are measured on a dry-weight basis.

Conversion factor: Fertilizer grade (%) = mg/kg or mg/L ÷ 10,000

The **Estimate of Nutrients Available for First Year** are reported on an as-received (wet weight) basis for all elements in lb/ton or lb/1000 gal. The nitrogen estimate depends on the manure type and application method that you specify on the submission form and accounts for the fact that only 40-60% of the manure nitrogen becomes available within one year of application. All other elements and nitrogen from non-manure waste sources are reported as 100% available in the first year of application.

Conversion factors: lb/ton × 4.17 = lb/1000 gal.; lb/1000 gal. × 0.24 = lb/ton

ALE is Agricultural Lime Equivalence. The ALE indicates the amount of the material that provides a liming effect equivalent to one ton of agricultural grade limestone.

BD is Bulk Density in lb/yd³.

CCE is Calcium Carbonate Equivalent and is used to determine ALE.

C:N ratio is the Carbon:Nitrogen ratio.

DM% is the percent Dry Matter for semi-solid and solid materials. DM% is used to convert the dry-weight nutrient measurement concentrations (mg/kg) back to wet-weight concentrations of the original sample, as reported in the estimate of nutrients available for first year.

EC (Electrical Conductivity) measures salinity, or soluble salts (SS).

pH measures alkalinity/acidity.

Al = Aluminum

As = Arsenic

B = Boron

Ca = Calcium

Cd = Cadmium

Cl = Chloride

Cr = Chromium

Cu = Copper

EC = Electrical Conductivity

Fe = Iron

K = Potassium

Mg = Magnesium

Mn = Manganese

Mo = Molybdenum

N = Nitrogen

Na = Sodium

NH₄-N = Ammonium -N

Ni = Nickel

NO₃-N = Nitrate -N

P = Phosphorus

Pb = Lead

S = Sulfur

Se = Selenium

SS = Soluble Salts

Zn = Zinc

meq/L = milliequivalent per liter

mS = millisiemens

ppm = parts per million or mg/L or mg/kg

S = siemens

T = trace (<0.005 lb/unit)

Additional information: [Understand Your Report](#)