

# WASTE/COMPOST SAMPLE INFORMATION

**SAMPLE TYPE** (Circle ONE)

- Predictive (\$8)  Diagnostic (\$8)   
 Research (\$12)  Out of State (\$25)

**NCDA&CS Agronomic Division Plant/Waste/Solution/Media Section**

Mailing Address: 1040 Mail Service Center, Raleigh NC 27699-1040  
 Physical Address (UPS/FedEx/DHS): 4300 Reedy Creek Rd, Raleigh NC 27607  
 Phone: (919) 733-2655 For lab results go to: [www.ncagr.gov/agronomi](http://www.ncagr.gov/agronomi)

OFFICE USE ONLY  
 REPORT # \_\_\_\_\_  
 DATE REC'D \_\_\_\_\_  
 INITIAL \_\_\_\_\_



**SAMPLE INFORMATION**

**PAYMENT**

**GROWER INFORMATION** (please write legibly)

**AGENT OR ADVISOR**

FARM ID	FEE TOTAL \$ _____ AMT PAID \$ _____	LAST NAME	FIRST NAME	LAST NAME	FIRST NAME
SAMPLING DATE	METHOD OF PAYMENT: <input type="checkbox"/> CASH /CHECK <input type="checkbox"/> INVOICE <input type="radio"/> Grower <input type="radio"/> Advisor/Consultant <input type="radio"/> _____ <input type="checkbox"/> ESCROW ACCOUNT: (provide Account Name or Number)	ADDRESS	ADDRESS		
SAMPLED BY <input type="checkbox"/> Grower <input type="checkbox"/> Advisor <input type="checkbox"/> Reg. Agronomist		CITY	STATE	ZIP	CITY STATE ZIP
COUNTY (WHERE COLLECTED)		EMAIL ADDRESS	EMAIL ADDRESS		
NUMBER OF SAMPLES	*Reports will appear as "Pay Now" until Payment is applied*	PHONE (_____) _____	PALS # (If known)	PHONE (_____) _____	PALS # (If known)

LAB NUMBER (LEAVE BLANK)	SAMPLE ID <i>required</i>	WASTE CODE (see p. 2)	SAMPLE DESCRIPTION/ COMMENTS	APPLICATION METHOD(S) <i>required</i>	CORRESPONDING SAMPLE ID <input type="checkbox"/> Soil <input type="checkbox"/> Solution <input type="checkbox"/> Plant <input type="checkbox"/> Media	SPECIAL TESTS				LAB USE ONLY			
						NO <sub>3</sub> , NH <sub>4</sub>	Heavy Metals	CCE	Other	pH	EC	DM%	C

<p><b>SAMPLE TYPE</b> does not affect the type or number of tests that will be performed in the standard analysis. <b>Predictive</b> tests are for routine monitoring and <b>Diagnostic</b> tests are for troubleshooting samples collected in N.C. <b>Research</b> is defined as samples submitted by N.C.-based private and university research facilities. An approved research agreement is required prior to submission. <b>Out of state</b> is for samples submitted by or for non-North Carolina residents, businesses or researchers.</p>	<p><b>APPLICATION METHOD (S)</b>                  Select 1-2 application methods for an estimate of total or available nutrients.</p> <p><b>LIQUID WASTE (lb/1000 gal)</b></p> <p><b>IR</b> = Waste applied through irrigation system and left uncovered more than 2 days  <b>IN</b> = Waste injected directly into the soil</p> <p><b>SOLID WASTE (lb/ton)</b></p> <p><b>BR</b> = Waste broadcast on soil surface and left uncovered more than 2 days  <b>SI</b> = Waste broadcast on soil surface &amp; soil incorporated within 2 days (lb/ton)</p>	<p><b>SPECIAL TESTS</b> are nonstandard, optional tests that can be added to any sample for an additional fee.</p> <ul style="list-style-type: none"> <li>Nitrate (NO<sub>3</sub>-N) &amp; ammonium (NH<sub>4</sub>-N) nitrogen: \$10 (Note: TOTAL nitrogen is included in the standard analysis.)</li> <li>Heavy metals (lead, nickel, cadmium, arsenic, selenium chromium): \$20</li> <li>Calcium Carbonate Equivalence (CCE): \$10—used to determine liming value/alkalinizing effect and reported as Agricultural Liming Equivalency</li> <li>Molybdenum (Mo): \$2</li> </ul>
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*Thank you for using agronomic services to manage nutrients and safeguard environmental quality. — Steve Troxler, Commissioner of Agriculture*

## NON-COMPOSTED ANIMAL MANURE

### Lagoon Liquid

- ALS** Swine (except farrow to wean)
- ALF** Swine (farrow to wean)
- ALP** Poultry
- ALO** Other

### Lagoon Sludge

- ASP** Poultry
- ASS** Swine
- ASO** Other

### Slurry

- LSB** Beef
- LSD** Dairy (storage pond)
- LSS** Swine
- LSO** Other

### Surface Scraped/Stockpiled

- SSB** Beef
- SSD** Dairy
- SSH** Horse
- SSS** Swine
- SSO** Other

### Poultry Litter

- HBB** Broiler breeder
- HBP** Broiler pullet
- HLB** Broiler
- HLL** Layer

## COMPOST CODES

### Composted Manure

- FCB** Beef
- FCD** Dairy
- FCH** Horse
- FCP** Poultry
- FCS** Swine
- FCO** Other

### Other Composted Materials

- FPM** Compost, poultry mortality
- FSM** Compost, swine mortality
- FCW** Compost, plant material
- FCX** Compost, mixed materials
- FCV** Vermicompost

### TIPS

- Submit **liquids** in a one-pint clean, plastic (NO GLASS) bottle. Leave a couple of inches of headspace in the bottle to allow for sample expansion.
- Submit **solid** samples in a clean, sealable plastic bag, ~1 quart.
- Keep the samples cool. If they are stored for more than one day, they should be refrigerated.
- Indicate type of waste in the SAMPLE DESCRIPTION / COMMENTS section.
- For detailed sampling instructions, go to [www.ncagr.gov/agronomi/uyr/waste.htm](http://www.ncagr.gov/agronomi/uyr/waste.htm)

## INDUSTRIAL / MUNICIPAL / COMMERCIAL CODES

### Non-Composted Raw Materials

- NCR** Raw plant material/crop residues
- NBS** Wood waste/sawdust
- NSF** Food and/or beverage by-products (solid)
- NLF** Food and/or beverage by-products (liquid)
- GTL** Grease trap water (liquid only)
- NSA** Animal by-products (solid)
- NLA** Animal by-products (liquid)
- IOC** Paper fiber/pulp
- IOL** Lime by-products \*CCE test required (\$10)
- NSO** Solid, other (specify)
- NLO** Liquid, other (specify)

### Combustion/Thermal by-products

- CSW** Wood ash (domestic or industrial)
- CSC** Coal ash
- CSB** Biochar
- CSO** Ash, mixed or other

### Waste Treatment By-Products

*Untreated sewage sludge/septage is not accepted. Samples treated by aerobic or anaerobic digestion, composting, alkaline stabilization, or thermal drying/dewatering are accepted.*

- BID** Domestic septage, (specify treatment)
- BCO** Biosolids, composted
- BIO** Biosolids, other treatment (specify)
- BIX** Biosolids, mixed
- BLL** Leachates/effluents or reclaimed water

**STANDARD TEST** — All samples are analyzed for nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, zinc, manganese, copper, boron, aluminum and sodium.

**Composted samples** are also analyzed for electrical conductivity, pH, and carbon to nitrogen ratio.

**Liquid samples** are also analyzed for pH.

*The NCDA&CS Agronomic Division laboratory is certified by the N.C. Department of Environmental Quality perform nutrient analyses for animal waste operations only. NCDA&CS is not certified to analyze industrial or domestic (municipal) wastes for regulatory compliance.*