

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

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
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 ₃ , NH ₄	Heavy Metals	CCE	Other	pH	EC	DM%	C

SAMPLE TYPE does not affect the type or number of tests that will be performed in the standard analysis. **Predictive** tests are for routine monitoring and **Diagnostic** tests are for troubleshooting samples collected in N.C. **Research** is defined as samples submitted by N.C.-based private and university research facilities. An approved research agreement is required prior to submission. **Out of state** is for samples submitted by or for non-North Carolina residents, businesses or researchers.

APPLICATION METHOD (S)
 Select 1-2 application methods for an estimate of total or available nutrients.

LIQUID WASTE (lb/1000 gal)
IR = Waste applied through irrigation system and left uncovered more than 2 days
IN = Waste injected directly into the soil

SOLID WASTE (lb/ton)
BR = Waste broadcast on soil surface and left uncovered more than 2 days
SI = Waste broadcast on soil surface & soil incorporated within 2 days (lb/ton)

SPECIAL TESTS are nonstandard, optional tests that can be added to any sample for an additional fee.

- Nitrate (NO₃-N) & ammonium (NH₄-N) nitrogen: \$10 (Note: TOTAL nitrogen is included in the standard analysis.)
- Heavy metals (lead, nickel, cadmium): \$10
- Calcium Carbonate Equivalence (CCE): \$10—used to determine liming value/alkalinizing effect and reported as Agricultural Liming Equivalency
- Molybdenum (Mo): \$2

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

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.