Form AD-9 (November 2013)

WASTE SAMPLE INFORMATION

NCDA&CS Agronomic Division Plant/Waste/Solution/Media Section
Mailing Address: 1040 Mail Service Center, Raleigh NC 27699-1040
Physical Address (UPS/FedEx): 4300 Reedy Creek Road, Raleigh NC 27607
Phone: (919) 733-2655 Web Address: www.ncagr.gov/agronomi

FOR OFFICE USE ONLY
REPORT #
DATE REC'D
INITIAL

SAMPLE TYPE
[circle designation(s) / see instructions]

Predictive	**Diagnostic**
Research	**Out of State**

SAMPLE INFORMATION

FARM ID

SAMPLED BY
☐ Grower ☐ NCDA&CS Agronomist
☐ Advisor ☐ Coop. Ext. Agent

SAMPLE DATE

COUNTY ***(where collected)***

NUMBER OF SAMPLES

PAYMENT

FEE TOTAL _____
AMT PAID _____
METHOD OF PAYMENT
( ) CASH
( ) CHECK ***(payable to NCDA&CS)***
( ) MONEY ORDER
( ) ESCROW ***(provide account name below)***

GROWER INFORMATION ***(please print)***

LAST NAME FIRST NAME

ADDRESS

CITY STATE ZIP

PHONE
(_ _ _) _ _ _ – _ _ _ _

E-MAIL ADDRESS ☐ **Do Not** notify me when report is available.

CONSULTANT/OTHER RECIPIENT

LAST NAME FIRST NAME

ADDRESS

CITY STATE ZIP

PHONE
(_ _ _) _ _ _ – _ _ _ _

E-MAIL ADDRESS ☐ **Do Not** notify me when report is available.

LAB NUMBER (leave blank)	SAMPLE ID	WASTE CODE	SAMPLE DESCRIPTION / COMMENTS	APPLICATION METHODS		CORRESPONDING SAMPLE ID SOIL	PLANT	SOLUTION	SPECIAL TESTS ($10) NO_3 NH_4	Heavy metals	CCE	LAB USE ONLY pH	EC	C	%DM	S
1																
2																
3																
4																
5																

INSTRUCTIONS (provide all information requested in shaded areas)

SAMPLE TYPE — ***Predictive*** samples are analyzed for nutrient content. The report provides interpretation & general recommendations. An agronomist reviews results of ***diagnostic*** samples, identifies potential nutritional problems & makes suggestions for management. ***Research*** designates samples submitted in connection with an approved research contract agreement. ***Out of state*** is the correct designation for samples submitted from outside North Carolina.

SAMPLE INFORMATION — Provide all requested information, especially payment details (refer to **WASTE ANALYSIS FEES** on the back of this form).

GROWER INFORMATION — Provide accurate contact information (phone with area code, address, e-mail).

SAMPLE ID — Provide sample identification (no more than six digits or letters). Put the same ID on the sample container.

WASTE CODE — Identify the type of waste in the sample by using codes (see back of this form).

SAMPLE DESCRIPTION / COMMENTS — Briefly describe problem or reason for sampling (necessary for diagnostic samples).

APPLICATION METHODS — Select one or two application methods from the list at the right for estimation of nutrient availability.

CORRESPONDING SAMPLE ID — List the IDs of any matching soil, plant or solution samples submitted.

SPECIAL TESTS — Indicate nonstandard tests desired: nitrogen breakout (nitrate & ammonium), heavy metals, calcium carbonate equivalence.

APPLICATION METHODS

BR = Waste **broadcast** on soil surface & left uncovered more than 2 days

SI = Waste broadcast on soil surface & **soil incorporated** within 2 days

IN = Waste **injected** directly into the soil

IR = Waste broadcast through **irrigation** system & left uncovered more than 2 days

Thank you for using agronomic services to manage nutrients and safeguard environmental quality. — Steve Troxler, Commissioner of Agriculture

WASTE ANALYSIS FEES: **Cost per sample = Base fee [$8 for N.C. residents**; $25, out-of state samples; $12, research samples] + **$10 for each optional special test requested.**
Special tests include the following: calcium carbonate equivalence (CCE), heavy metals, and inorganic nitrogen (NO_3-N and NH_4-N).
If you want additional tests, you must check the appropriate box on the front of this form and include sufficient payment.

FARM WASTE SAMPLE CODES §

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 *

Manure — Liquid Slurry

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

Manure — Surface Scraped *or* Stockpiled

SSB Beef
SSD Dairy
SSH Horse
SSS Swine
SSO Other *

Poultry Litter

HBB Broiler breeder
HBP Broiler pullet
HLB Broiler
HLL Layer
HLP Layer pullet
HLT Turkey
HLO Other *

Waste — Composted

FCB Beef
FCC Crop residue
FCD Dairy
FCE Sheep
FCG Goat
FCH Horse
FCP Poultry
FCS Swine
FCV Vegetable residue
FCW Other *
FPM Poultry mortality
FSM Swine mortality

Waste — Noncomposted

NBS Bark / Sawdust
NCR Crop Residue
NVR Vegetable residue
NCW Other *

MUNICIPAL / INDUSTRIAL WASTE SAMPLE CODES §

Industrial — Miscellaneous

IOC Composted #
IOE Aerobic
ION Anaerobic
IOL Lime stabilized
IOR Raw
IOX Chem ox (Cl)
IOO Other *

Industrial — Pharmaceutical

PHC Composted #
PHA Aerobic
PHN Anaerobic
PHL Lime stabilized
PHR Raw
PHX Chem ox (Cl)
PHO Other *

Industrial — Poultry

PCW Composted #
PAE Aerobic
PAN Anaerobic
PLS Lime stabilized
PLR Raw
POX Chem ox (Cl)
PLO Other *

Industrial — Stack Dust / Ash

SAR Raw
SAC Composted #
SAO Other *

Industrial — Textile

TXR Raw
TAE Aerobic
TAN Anaerobic
TLS Lime stabilized
TOX Chem ox (Cl)
TCW Composted #
TXO Other *

Municipal

MAE Aerobic
MAN Anaerobic
MLS Lime stabilized
MOX Chem ox (Cl)
MCY Composted yard waste #
MCS Composted sludge #
MWO Other *

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

* Indicate type of waste in the **SAMPLE DESCRIPTION / COMMENTS** section.

These codes include routine analyses of pH and EC. If the material is solid, carbon is also measured.

TIPS ON SAMPLING FARM MANURES [For detailed sampling instructions, visit www.ncagr.gov/agronomi/pdffiles/samwaste.pdf]

Caution: Submit samples that are representative of the waste material being evaluated. Analytical results from waste materials are only as good as the sample submitted. Keep the samples cool. If samples are stored for more than one day, they should be refrigerated. **Do not put this sample information form or payment inside sample containers.**

LAGOON LIQUID

Construct a 10- to 15-foot pole with a 1/2-pint container attached to one end. Use this tool to collect liquid from at least 8 to 12 representative locations in the lagoon. Always take the sample approximately 10 feet from the edge of the lagoon and one foot under surface. Do not include floating scum or debris. Mix thoroughly. Fill a one-pint, plastic container about three-fourths full, and tighten the cap securely.

POULTRY LITTER

Stockpiled (Dry Stack): Collect representative core samples at least 18 inches deep from several locations on the pile. Mix samples thoroughly in a plastic bucket. Place approximately one quart of material in a clean plastic bag and send in a suitable container to the laboratory.

In-House: Inspect house and estimate percentage of floor space used in different activities (feeding, watering, etc.). Take core sections of litter in these areas to represent the proportionate makeup of the house. Mix samples thoroughly in a plastic bucket. Place approximately one quart of material in a clean plastic bag and send in a suitable container to the laboratory.

MANURE — LIQUID SLURRY

Pit under Slotted Floor: Use a length of 1/2-inch conduit or similar device to collect the sample. With both ends of the conduit open, extend it into the manure pit floor. Place thumb over the end of the conduit, and remove the core sample. Do this at 8 to 12 locations in the pit. After taking the samples, mix thoroughly and send approximately one pint of material in a clean plastic container to the laboratory.

Exterior Storage Basin: After the slurry has been well mixed, take samples from approximately five locations in the pit. Place material in a plastic bucket and mix thoroughly. Send approximately one pint of slurry to the laboratory in a clean plastic container.

MANURE — SURFACE SCRAPED

After manure has been piled, collect a representative sample from several locations. Place in a plastic bucket and mix thoroughly. Send approximately one quart of material to the laboratory in a clean, sealable, plastic container.