

WASTE SAMPLE INFORMATION

FOR OFFICE USE ONLY

REPORT # _____

DATE REC'D _____

PAID _____



SAMPLE TYPE

[circle designation(s) / see instructions]

Predictive	Diagnostic
Research	Out of State

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

SAMPLE INFORMATION

GROWER INFORMATION (please print)

CONSULTANT/OTHER RECIPIENT

FARM ID _____	SAMPLED BY _____ DATE _____	LAST NAME _____	FIRST NAME _____	PHONE _____ (____) ____ - ____	LAST NAME _____	FIRST NAME _____	PHONE _____ (____) ____ - ____
NO. OF SAMPLES _____		ADDRESS _____			ADDRESS _____		
COUNTY (where collected) _____		CITY _____			CITY _____		
PAYMENT ↕ AMOUNT _____ indicate TYPE (see information on back)		STATE _____			STATE _____		
() CHECK (payable to NCDA&CS)		ZIP _____			ZIP _____		
() MONEY ORDER () CASH		PLEASE PROVIDE E-MAIL ADDRESS					
() ESCROW ACCOUNT (enter account name) _____		E-MAIL ADDRESS _____					

Please notify me by e-mail when my report is ready.

Do not notify me. I will check for my report online at www.ncagr.gov/agronomi.

LAB NUMBER (leave blank)	SAMPLE ID	WASTE CODE	SAMPLE DESCRIPTION / COMMENTS	APPLICATION METHODS		CORRESPONDING SAMPLE ID			SPECIAL TESTS (\$10)			LAB USE ONLY							
				SOIL	PLANT	SOIL	PLANT	SOLUTION	NO ₃	Heavy	metals	CCE	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 and calcium carbonate equivalence.

APPLICATION METHODS

BR = Waste broadcast on soil surface & left uncovered one week or more

SI = Waste broadcast on soil surface & plowed or disked into soil within two days

IN = Waste injected directly into the soil & covered immediately

IR = Waste applied through irrigation system & left uncovered for one week or longer

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 [\$5 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, nitrogen break-out (NO₃ and NH₄). *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 — Aerobic

AES Swine
ATO Other *

Lagoon Liquid — Anaerobic

ALB Beef
ALS Swine
ALP Poultry
ALV Veal
ALO Other *

Lagoon Sludge — Aerobic

ASW Swine

Lagoon Sludge — Anaerobic

ASB Beef
ASP Poultry
ASS Swine
ASO Other *

Manure — Liquid Slurry

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

Manure — Surface Scraped or Stockpiled

SSB Beef SSH Horse
SSD Dairy SSS Swine
SSE Sheep SSO Other *
SSG Goat

Poultry House Litter

HBB Broiler breeder
HLB Broiler
HLD Duck
HLT Turkey
HLO Other *

Poultry — Stockpiled Litter

SLB Broiler SLT Turkey
SLD Duck SLO Other *

Waste — Composted #

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

Waste — Noncomposted #

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

MUNICIPAL / INDUSTRIAL WASTE SAMPLE CODES [§]

Industrial — Miscellaneous

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

Industrial — Pharmaceutical

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

Industrial — Poultry

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

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

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.**

LIQUID LAGOON

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.

LIQUID MANURE 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.

SURFACE SCRAPED MANURES

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