

SOLUTION SAMPLE INFORMATION

SAMPLE TYPE (circle one / see instructions)

Predictive (\$5)	Diagnostic (\$5)
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): 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 _____

PAID _____



SAMPLE INFORMATION

GROWER INFORMATION (please print)

CONSULTANT/OTHER RECIPIENT

FARM ID	LAST NAME	FIRST NAME	PHONE	LAST NAME	FIRST NAME	PHONE
COUNTY (where collected)	(___) ___ - ____			(___) ___ - ____		
SAMPLED BY	ADDRESS			ADDRESS		
DATE	CITY			CITY		
PAYMENT (see fees for sample types above) Check / money order payable to NCDA&CS	STATE			STATE		
No. of Samples _____	ZIP			ZIP		
Check ()	PLEASE PROVIDE E-MAIL ADDRESS					
Money Order ()	E-MAIL ADDRESS					
Payment _____						
Cash ()						
Escrow						
Account Name _____						

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	SOLN CODE	SAMPLE DESCRIPTION / COMMENTS	CORRESPONDING SAMPLE ID			DEPTH OR SIZE
				SOIL	PLANT	WASTE	
1	_ _ _ _	_		_ _ _ _	_ _ _ _	_ _ _ _	
2	_ _ _ _	_		_ _ _ _	_ _ _ _	_ _ _ _	
3	_ _ _ _	_		_ _ _ _	_ _ _ _	_ _ _ _	
4	_ _ _ _	_		_ _ _ _	_ _ _ _	_ _ _ _	
5	_ _ _ _	_		_ _ _ _	_ _ _ _	_ _ _ _	

SOLUTION USE CODES

<p><u>Aquaculture</u></p> <p>AS Source Water AP Pond Water AO Other *</p>	<p><u>General Water Quality</u></p> <p>QG Ground Water QS Surface Water QO Other *</p>	<p><u>Irrigation Water</u></p> <p>IW General IO Overhead IT Trickle</p>	<p><u>Nutrient Solution</u></p> <p>NS General — Indicate target concentration under comments. NT Tobacco NO Other * NE Saturated media extract NL Pour-thru leachate</p>
<p><u>Farm Pond</u></p> <p>FP Fish Production/Recreation</p> <p>* Indicate type of sample and use under Sample Description / Comments.</p>	<p><u>Hydroponic Solution</u></p> <p>HT Tomato HC Cucumber HL Lettuce HH Herb HO Other *</p>	<p><u>Livestock Water</u></p> <p>LC Cattle LH Horse LS Swine LO Other *</p>	<p><u>Poultry Water</u></p> <p>PC Chicken PD Duck PT Turkey PO Other *</p>
<p><u>Solution Source Water</u></p> <p>SP Pesticide Solution SH Hydroponic-Nutrient ST Transplant Production SO Other *</p>			

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

HOW TO FILL OUT THE INFORMATION FORM

Please complete this form in as much detail as possible. Information in shaded areas is critical for optimum diagnosis and recommendations.

SAMPLE TYPE — *Predictive* (fee \$5 for N.C. residents) analysis is a routine check of mineral content plus interpretation and general recommendations.

Diagnostic (fee \$5 for N.C. residents) analysis helps solve suspected problems and provides detailed interpretation and recommendations.

Research (fee \$12) is for samples submitted in connection with an approved cooperative research agreement.

Out of state (fee \$25) is for samples submitted by non-North Carolina residents.

SAMPLE INFORMATION — Provide farm ID (if applicable), county where sample was collected, name of the collector and date of collection. Calculate the total fee based on sample type and number of samples. Indicate method of payment. Test results are not released unless payment is received in full.

GROWER INFORMATION — Complete contact information is required: name, phone with area code, address and e-mail.

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

SOLN CODE — Identify intended use of the solution being sampled by entering one of the solution-use codes found on the front of the information form: e.g., PC is the for well water used for chicken production.

SAMPLE DESCRIPTION / COMMENTS — Include descriptive information about the sample, especially if you are not sure which solution-use code to use. A brief statement of problem or purpose in sampling is required for all diagnostic samples.

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

DEPTH OR SIZE — Indicate depth of wells or size of surface water reservoir sampled.

TIPS ON TAKING WATER SAMPLES

A laboratory analysis is no better than the sample submitted. The sample should represent the conditions under which the solution is being used. When diagnosing a problem, you may have to take samples representing several processing stages or time periods: e.g., irrigation source water; nutrient solution; or pour-thru leachate.

SAMPLE CONTAINERS — Sample containers should be clean and made of materials that will not contaminate the solution. A 1-pint, plastic bottle is recommended. When using soft-drink or other containers, please remove the original product label.

SAMPLING TECHNIQUES — Before filling, rinse the sample container thoroughly with the solution being collected. Fill the container and cap tightly.

WELLS — Allow water to run for at least 5 to 10 minutes before collecting a sample. For new wells that recently have been chemically treated, allow the water to run for 1 to 2 hours before sampling.

DISTRIBUTION SYSTEMS — Flush lines sufficiently to ensure that the sample is representative of the supply solution.

RIVERS OR STREAMS — Sample from the middle of the stream at mid-depth. Choose frequency of sampling based on local needs and conditions.

LAKES OR RESERVOIRS — Choose location, depth and frequency of sampling depending on local conditions and the purpose of the investigation. Avoid surface or bottom residues.

HANDLING AND STORAGE — If possible, avoid sample agitation and prolonged exposure to air. Transfer samples to the laboratory as soon as possible. Label container with the same sample ID indicated on the information form. If samples are stored for any length of time, they should be refrigerated.