

SOLUTION SAMPLE INFORMATION

FOR OFFICE USE ONLY
 REPORT # _____
 DATE REC'D _____
 INITIAL _____



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 TYPE

[circle one / see instructions]

Predictive (\$5)	Diagnostic (\$5)
Research (\$12)	Out of State (\$25)

SAMPLE INFORMATION	PAYMENT	GROWER INFORMATION <i>(please print)</i>	CONSULTANT/OTHER RECIPIENT
FARM ID _____	FEE TOTAL _____ AMT PAID _____	LAST NAME _____ FIRST NAME _____	LAST NAME _____ FIRST NAME _____
SAMPLED BY <input type="checkbox"/> Grower <input type="checkbox"/> NCDA&CS Agronomist <input type="checkbox"/> Advisor <input type="checkbox"/> Coop. Ext. Agent	METHOD OF PAYMENT () CASH () CHECK <i>(payable to NCDA&CS)</i> () MONEY ORDER () ESCROW <i>(provide account name below)</i>	ADDRESS _____ -----	ADDRESS _____ -----
SAMPLE DATE _____		CITY _____ STATE _____ ZIP _____	CITY _____ STATE _____ ZIP _____
COUNTY <i>(where collected)</i> _____		PHONE (____) _____ - _____	PHONE (____) _____ - _____
NUMBER OF SAMPLES _____		E-MAIL ADDRESS _____ <input type="checkbox"/> Do Not notify me when report is available.	E-MAIL ADDRESS _____ <input type="checkbox"/> Do Not notify me when report is available.

LAB NUMBER <small>(Leave blank)</small>	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>Farm Pond</u></p> <p>FP Fish Production/Recreation</p>	<p><u>General Water Quality</u></p> <p>QG Ground Water QH Household (nonpotable) QS Surface Water QO Other *</p> <p><u>Poultry Water</u></p> <p>PC Chicken PD Duck PT Turkey PO Other *</p>	<p><u>Nutrient Solution</u></p> <p>NS General (indicate target conc. in comments) NT Tobacco NL Pour-thru Leachate NO Other *</p> <p><u>Livestock Water</u></p> <p>LC Cattle LH Horse LS Swine LO Other *</p>	<p><u>Irrigation Water</u></p> <p>IW General IO Overhead IT Trickle</p> <p><u>Hydroponic Solution</u></p> <p>HT Tomato HC Cucumber HL Lettuce HH Herb HO Other *</p>	<p><u>Solution Source Water</u></p> <p>SP Pesticide Solution SH Hydroponic-Nutrient SF Floriculture Production ST Tobacco Transplant Production SV Vegetable Transplant Production SO Other *</p> <p style="font-size: small;">* Indicate type of sample and use under Sample Description / Comments.</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 code used when the water being tested is drinking water for chickens.

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.