SOLUTION 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

SAMPLE TYPE
(circle one / see instructions)
Predictive ($5)  Diagnostic ($5)
Research ($12)  Out of State ($25)

SAMPLE INFORMATION
FARM ID  FEE TOTAL _________ AMT PAID __________ METHOD OF PAYMENT
SAMPLED BY
☐ Grower  ☐ NCDA&CS Agronomist
☐ Advisor  ☐ Coop. Ext. Agent
SAMPLE DATE
COUNTY (where collected)
NUMBER OF SAMPLES

GROWER INFORMATION (please print)
LAST NAME  FIRST NAME  ADDRESS
CITY  STATE  ZIP
PHONE  ( ___ ) ___ - ___ ___ ___

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  SOLN CODE  SAMPLE DESCRIPTION / COMMENTS  CORRESPONDING SAMPLE ID SOIL  PLANT  WASTE  DEPTH OR SIZE

1
2
3
4
5

SOLUTION USE CODES (select the code that fits the intended use of the sample)

Aquaculture
AS  Source Water
AP  Pond Water
AO  Other *

General Water Quality
QQ  Ground Water
QH  Household (nonpotable)
QS  Surface Water
QO  Other *

Poultry Water
PC  Chicken
PD  Duck
PT  Turkey
PO  Other *

Livestock Water
LC  Cattle
LH  Horse
LS  Swine
LO  Other *

Nutrient Solution
NS  General (indicate target conc. in comments)
NT  Tobacco
NL  Pour-thru Leachate
NO  Other *

Irrigation Water
IW  General
IO  Overhead
IT  Trickle

Hydroponic Solution
HT  Tomato
HC  Cucumber
HL  Lettuce
HH  Herb
HO  Other *

Solution Source Water
SP  Pesticide Solution
SH  Hydroponic-Nutrient
SF  Floriculture Production
ST  Tobacco Transplant Production
SV  Vegetable Transplant Production
SO  Other *

* Indicate type of sample and use under Sample Description / Comments.

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. Do not submit samples of concentrated fertilizer solutions.

### 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.