

*** REQUIRED**

SOLUTION SAMPLE SUBMISSION

OFFICE USE ONLY
REPORT #
DATE REC'D
INITIAL



*
 In State (\$5) **OR** Out of State (\$25)

 * Predictive **OR** Diagnostic

NCDA&CS Agronomic Division Solution Analysis Section
 Mailing Address (USPS): 1040 Mail Service Center, Raleigh NC 27699-1040
 Physical Address (UPS/FedEx/DHS): 4300 Reedy Creek Rd, Raleigh NC 27607
 Phone: (919) 664-1600
<https://www.ncagr.gov/divisions/agronomic-services>

PAYMENT

*** CLIENT**

ADVISOR

FARM ID	FEE TOTAL \$ _____ AMT PAID \$ _____	LAST NAME	FIRST NAME	LAST NAME	FIRST NAME		
SAMPLING DATE	* METHOD OF PAYMENT : <input type="checkbox"/> CASH /CHECK <input type="checkbox"/> PAY ONLINE (CC) <input type="checkbox"/> ESCROW ACCOUNT: (provide Account Name or #) _____	MAILING ADDRESS		MAILING ADDRESS			
* COUNTY <i>(WHERE COLLECTED)</i>		CITY	STATE	ZIP	CITY	STATE	ZIP
NUMBER OF SAMPLES		EMAIL ADDRESS		EMAIL ADDRESS			
	* Party Responsible for Payment : _____	PHONE (____) _____	PALS Client Account #	PHONE (____) _____	PALS Client Account #		

LAB NUMBER <i>(lab use only)</i>	* SAMPLE ID	* SOLUTION CODE <i>(see below)</i>	SAMPLE DESCRIPTION/COMMENTS	CORRESPONDING SAMPLE ID <input type="checkbox"/> Soil <input type="checkbox"/> Waste <input type="checkbox"/> Media <input type="checkbox"/> Nematode <input type="checkbox"/> Solution	Molybdenum (\$2)
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

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

- | | | | | | | |
|--------------------------------------|----------------------------|-------------------------|-------------------|-------------------------------------|--------------------------------------|------------------------------|
| Tobacco | Nutrient Solution | Source Water | Irrigation | Aquaculture /Fish Production | General Water | Animal Drinking Water |
| ST Float bed source water | HT Tomato, Hydroponic | SP Pesticide Solution | IW General | AS Source Water | <i>(no recommendations provided)</i> | LS Swine |
| NT Float bed nutrient solution | HC Cucumber, Hydroponic | SH Hydroponic | IO Overhead | AQ Aquaponics Solution | QG Well Water | LC Cattle |
| NG Organic tobacco nutrient solution | HL Lettuce, Hydroponic | SF Floriculture | IT Trickle | FP Fish Pond/Recreation | QH Municipal Water | LH Horse |
| | HH Herb, Hydroponic | SV Vegetable Transplant | | AO Other | QS Surface water | PC Chicken |
| | HO Other, Hydroponic | SO Other | | | | PT Turkey |
| | NL Pour-thru Leachate | | | | | LO Other |
| | NS Nutrient Solution, Drip | | | | | |

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

TIPS:

- **Do not submit samples in glass containers.**
- **Do not submit less than 12 oz of water/solution.**
- **Do not submit concentrated fertilizer solutions.**

HOW TO COLLECT A SAMPLE

Use a clean, plastic 12-16 oz bottle. Do not clean with detergent. Before filling, rinse the sample container thoroughly with the solution being collected. Fill the container and cap tightly. If samples are stored for any length of time before delivery, they should be refrigerated.

WELLS and MUNICIPAL WATERS— Collect water directly from the tap. 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.

SURFACE WATERS (PONDS, RIVERS, Etc.)— Sample from as close to the middle of the pond or stream as possible. Avoid surface or bottom residues.

NUTRIENT SOLUTIONS— Collect nutrient solutions directly from the emitters. Flush emitter lines sufficiently to ensure that the sample is representative of the supply solution.

HOW TO SUBMIT A SAMPLE

If you wish to receive recommendations from NCDA&CS, please provide information regarding the intended use of the sample.

The standard solution analysis includes: nitrate-nitrogen, ammonium-nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, zinc, manganese, copper, boron, sodium, chloride, aluminum, pH, alkalinity, hardness, electrical conductivity/soluble salts, sodium adsorption ratio. Molybdenum (Mo) is available by request for \$2 per sample.

REPORT TYPE — **The standard analysis does not differ based on the report type selected.** Predictive (\$5 for N.C. residents; \$25 for out of state samples) analysis is a routine check of mineral content with basic recommendations. Diagnostic (\$5 for N.C. residents; \$25 for out of state samples) analysis helps solve suspected problems and provides detailed interpretation and recommendations.