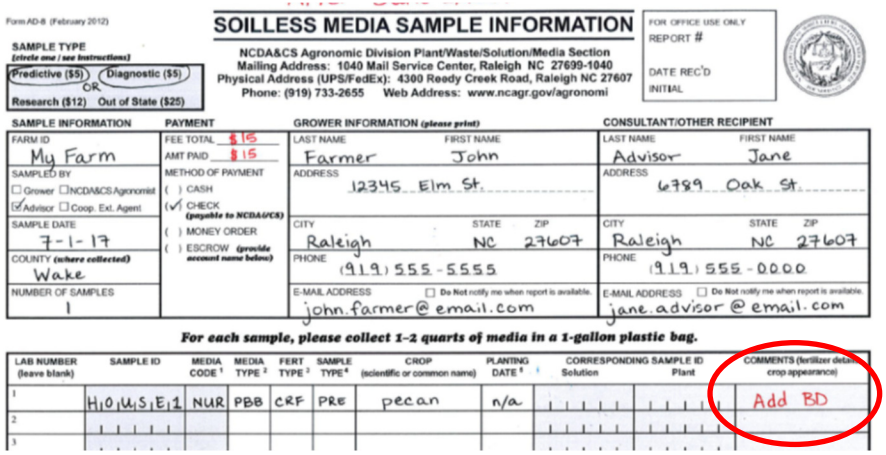
Bulk Density Testing for Nursery and Greenhouse Managers

Bulk density testing is now available for soilless media. Bulk density is not available as a stand-alone test, but only as an extra test ($10) with the standard media analysis.

Standard analysis is $5 per N.C. grower sample ($12 for N.C. research; $25 for out-of-state) and includes nitrate-nitrogen, ammonium-nitrogen, phosphorus, potassium, calcium, magnesium, sulfur, iron, zinc, manganese, copper, boron, aluminum, sodium, chloride, pH and electrical conductivity/soluble salts.

Media sampling: Growers should collect a representative sample and submit it in TWO one-gallon Ziploc bags. One bag will be used for the media analysis and one for the bulk density test.

Sample Submission: Growers should specify in the Comments section that bulk density (BD) is requested and include payment for $15 per sample ($5 for media analysis; $10 for bulk density test)



Form AD-8 (February 2012)

SOILLESS MEDIA 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) OR Diagnostic ($5); Research ($12) Out of State ($25)

FOR OFFICE USE ONLY: REPORT #; DATE REC'D; INITIAL

SAMPLE INFORMATION: FARM ID: My Farm; SAMPLED BY: ☐ Grower ☐ NCDA&CS Agronomist ☑ Advisor ☐ Coop. Ext. Agent; SAMPLE DATE: 7-1-17; COUNTY (where collected): Wake; NUMBER OF SAMPLES: 1

PAYMENT: FEE TOTAL $15; AMT PAID $15; METHOD OF PAYMENT: ( ) CASH (✓) CHECK (payable to NCDA&CS) ( ) MONEY ORDER ( ) ESCROW (provide account name below)

GROWER INFORMATION (please print): LAST NAME Farmer; FIRST NAME John; ADDRESS 12345 Elm St.; CITY Raleigh; STATE NC; ZIP 27607; PHONE (919) 555-5555; E-MAIL ADDRESS ☐ Do Not notify me when report is available. john.farmer@email.com

CONSULTANT/OTHER RECIPIENT: LAST NAME Advisor; FIRST NAME Jane; ADDRESS 6789 Oak St.; CITY Raleigh; STATE NC; ZIP 27607; PHONE (919) 555-0000; E-MAIL ADDRESS ☐ Do Not notify me when report is available. jane.advisor@email.com

For each sample, please collect 1-2 quarts of media in a 1-gallon plastic bag.

LAB NUMBER (leave blank)	SAMPLE ID	MEDIA CODE [1]	MEDIA TYPE [2]	FERT TYPE [3]	SAMPLE TYPE [4]	CROP (scientific or common name)	PLANTING DATE [5]	CORRESPONDING SAMPLE ID Solution	CORRESPONDING SAMPLE ID Plant	COMMENTS (fertilizer details, crop appearance)
1	H,O,U,S,E,1	NUR	PBB	CRF	PRE	pecan	n/a			Add BD
2										
3										

Turnaround time: 3-4 days from receipt

Send samples to:

NCDA&CS Agronomic Division: Solutions Lab

Mailing address (USPS):
1040 Mail Service Center, Raleigh, NC 27699

OR

Physical address (UPS, FedEx):
4300 Reedy Creek Rd, Raleigh NC 27607

For more detailed information, visit the Soilless Media Analysis page at www.ncagr.gov /agronomi or contact us at (919) 733-2655.