

**\* REQUIRED**

# DIAGNOSTIC SOIL SAMPLE SUBMISSION **N.C. ONLY**



**April—Thanksgiving: NO FEE**  
**December – March: \$4 / sample**  
**Check online for exact dates**

**NCDA&CS Agronomic Division Soil Testing 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	
* N.C. COUNTY (WHERE COLLECTED)	_____	CITY	STATE	ZIP	CITY STATE ZIP
NUMBER OF SAMPLES	* Party Responsible for Payment : _____	* EMAIL ADDRESS		EMAIL ADDRESS	
		* PHONE	<b>PALS Client Account #</b>	PHONE	<b>PALS Client Account #</b>

**By submitting this form to the NCDA&CS Agronomic Division, I attest that the accompanying samples were collected in North Carolina.**

LAB NUMBER <i>(lab use only)</i>	* SAMPLE ID (Must match soil box)	LIME APPLIED IN PAST 12 MONTHS ton/ac Month Year	CROP	CROP CONDITION		GROWTH STAGE	CORRESPONDING SAMPLE		DROUGHTY		SOIL COMPACTED	
				Good	Bad		Plant Tissue	Nematode	Yes	No	Yes	No

**GROWTH AND COLOR OF ABNORMAL PLANTS**

New growth :  Good  Fair  Poor  Dead

Root condition:  Good  Fair  Poor  Dead Legumes only: Nodulated?  Yes  No

Symptoms:  Stunted  Distorted leaves  Brittle leaves  Discolored leaves

Leaf color:  Green  Light green  Yellow  Purple/Red  Brown

Symptom location:  Young leaves  Old leaves  Whole plant

Symptom pattern:  Whole leaf  Veins  Between veins  Margins  Tips

**MANAGEMENT AND FIELD CONDITIONS**

Planting date: \_\_\_\_\_ Prior crop affected?:  Yes  No

Rainfall:  Below normal  Normal  Above normal

Temperature:  Below normal  Normal  Above normal

Tillage:  Conventional  No-till  Strip-till  Minimum Till  Turbo till

Comments: \_\_\_\_\_

**Diagnostic testing is for problem samples only. Samples submitted without diagnostic information provided will be analyzed as routine/predictive. A complete soil sample submission includes a completely filled submission form and matching, labeled soil boxes. Incomplete submissions may be discarded.**

## Important Tips on Collecting and Submitting Soil Samples

1. Use iron or stainless steel probes/tools & a clean plastic bucket.
2. Avoid combining areas of different soil types & fertilizer histories; avoid fertilizer bands, & corners / ends of fields.
3. Collect 15 to 20 cores per sample; sample 0 to 8 inches deep for plowed fields; 0 to 4 inches deep for no-till or pastures.
4. Break up cores & mix soil in bucket.
5. Label soil box with name, address, and sample IDs using a pencil or waterproof marker.
6. **Fill the sample box to red fill line; do not overfill.**
7. **DO NOT PUT SOIL IN PLASTIC BAGS. DO NOT TAPE BOXES.**
9. Lime history is important; be sure to record lime applied in the past 12 months on page 1.
10. Crop codes are needed to receive a recommendation. **Samples cannot be processed without a crop code.**
11. Ship samples in a well packed cardboard box so samples are tightly secured from within. **Do not ship samples using flat mailers or envelopes.**

### Crop Codes for Commercial Production

Field Crops	Horticultural Crops		Forage and Pasture	Specialty Crops
001 Corn, grain	070 Asparagus, E	090 Kale/Mustard/Spinach	040 Alfalfa, E	101 Canola / Rape
002 Corn, silage	071 Asparagus, M	093 Okra	041 Alfalfa, M	301 Clary Sage
003 Cotton	072 Beans/Peas	095 Pea, Southern	042 Bermuda, common /Bahia	310 Hemp
004 Small Grain (SG)	073 Beans, Pole	096 Pepper	043 Bermuda hay/pasture , E	119 Hops
005 Pearl Millet	074 Beet	098 Potato, Irish	044 Bermuda, hay/ pasture M	017 Kenaf
006 Grain Sorghum	102 Black/Raspberry, E	100 Radish	047 Bluegrass	311 Truffles
007 Peanut	103 Black/Raspberry, M	107 Squash/Pumpkin	048 Bluegrass/White Clover	<b>Christmas Trees</b>
008 Rice	075 Blueberry, E	108 Strawberry, E	049 Clover/Grass, E	039 Blue Spruce/Red Cedar
009 Sorghum, syrup	076 Blueberry, M	109 Strawberry, M	050 Clover/Grass, M	034 Leyland Cypress
010 Soybean	077 Brocc/BSprouts/Caul	118 Strawberry, plastic	054 Fescue/Orch/Timothy, E	035 Line-out/Seed beds
011 Sunflower	079 Cabbage	099 Sweetpotato	055 Fescue/Orch/Timothy, M	036 Fir/N.Spruce/Hem, E
012 Tobacco, burley	080 Cantalope/Melons	110 Tomato	051 Gamagrass	037 Fir/N.Spruce/Hem, M
013 Tobacco, flue-cured	084 Corn, Sweet	111 Tomato, greenhouse	053 Legumes, various	038 White/VA Pine
015 SG silage / Soybean	085 Cucumber	115 Turnip	056 Prairiegrass	<b>Wildlife Food Plots</b>
016 SG silage / Corn silage	088 Grape, E	116 Vegetables, other	057 Switchgrass	066 Deer/Turkey
018 SG/Soybean (double crop)	089 Grape, M	097 Vegetables, plant bed	059 Sudan/Sorghum pasture	067 Upland Game
	175 Grape, Vinifera		060 Sudan/Sorghum silage	068 Waterfowl
<b>Forestry</b>	<b>Orchard, Fruit &amp; Nut</b>	<b>Nursery and Flowers</b>	<b>Turf and Sod</b>	069 Fish Pond
133 Hardwood, E	130 Apple, E	120 Dahlia	150 Fairway/Athletic Field	<b>Roadside Areas</b>
134 Harwood, M	131 Apple, M	121 Gladiolus	151 Tee	061 Critical area
144 Hardwood, seed	138 Peach, E	124 Flowers, bulbs & roots	152 Greens	062 Grass, E
137 Pine, nursery	139 Peach, M	126 Nursery, container	153 Centipedegrass	063 Grass, M
142 Pine, E	140 Pecan, E	136 Nursery, Tree	154 Hybrid Bermudagrass	<b>Stormwater</b>
143 Pine, M	141 Pecan, M	132 Rhod/Ginseng/Natives	155 St. Augustinegrass	200 Bioretention cell
146 Pine, seed			156 Tall Fescue	
145 Spruce/Fir, seed			157 Zoysiagrass	

#### Abbreviations

E = establishment (1st year)    M= Maintenance    SG = small grain