



# Diagnostic Soil Sample Information

—for problem samples only—

— please provide all information requested in a legible manner —

*Soil samples from areas where growth problems exist receive priority in the lab.  
Use of this form will not expedite processing of routine samples.*

## SAMPLING & SHIPPING

- Comparative soil samples (from areas of "good" growth vs. "bad") are most effective for problem diagnosis. Sample in the root zone: 6–8 inches deep in cultivated areas and 4 inches in undisturbed areas.
- Use clean, plastic buckets and stainless steel tools. Galvanized tools can contaminate samples with zinc.
- Choose sample IDs that are meaningful to you. Label each sample box, and fill out this form completely.
- Package samples properly, and **DO NOT ship problem samples with routine samples.**
- Label **top and sides** of the shipping box with the words "**PROBLEM SAMPLES.**"
- Address package to **NCDA&CS Agronomic Division, Soil Testing** appropriately, as follows:  
*for shipment via U.S. Mail, use 1040 Mail Service Center, Raleigh NC 27699-1040 or  
 for shipment via private carrier, use 4300 Reedy Creek Road, Raleigh NC 27607-6465.*
- For more information, visit our Web site: [www.ncagr.gov/agronomi/](http://www.ncagr.gov/agronomi/)

## GROWER INFORMATION — Please Print

## CONSULTANT or OTHER ADVISOR

LAST NAME			FIRST NAME			PHONE			LAST NAME			FIRST NAME					
ADDRESS						ADDRESS											
CITY			STATE			ZIP CODE			CITY			STATE			ZIP CODE		
COUNTY (where samples were taken)				TOTAL # SAMPLES		FARM ID		PHONE									
<b>PLEASE PROVIDE E-MAIL ADDRESS</b>									E-MAIL ADDRESS								

**Please notify me by e-mail when my report is ready.**

## FIELD INFORMATION

**Do not notify me. I will check for my report online at [www.ncagr.gov/agronomi/](http://www.ncagr.gov/agronomi/).**

LAB NUMBER (leave blank)	SOIL SAMPLE ID	SAMPLE DEPTH (inches)	CORRESPONDING SAMPLE IDS				CROP CONDITION (check one)			DROUGHT STRESS (check one)	
			PLANT TISSUE		NEMATODE ASSAY		POOR	FAIR	GOOD	YES	NO
1											
2											
3											
4											
5											
6											

LIME applied within the past 12 months:      Tons/acre \_\_\_\_\_ Year \_\_\_\_\_ Month \_\_\_\_\_

PROBLEM CROP \_\_\_\_\_ NEXT CROP \_\_\_\_\_

Date of planting/transplanting \_\_\_\_\_ Was the previous crop affected? \_\_\_\_\_ Yes \_\_\_\_\_ No

Did you submit corresponding samples to the NCSU Plant Disease and Insect Clinic? \_\_\_\_\_

(Please complete other side of form)

**Additional Information Concerning the Problem**

*If signs or symptoms of insects or diseases are present, contact your Cooperative Extension office for information about collecting, preparing and shipping plant and insect specimens to the PLANT DISEASE & INSECT CLINIC, 100 Derieux Place, 1227 Gardner Hall, Campus Box 7211, North Carolina State University, Raleigh, NC 27695-7211. Phone 919-515-3619 about disease problems and 919-515-9530 about insect-related problems.*

**VISUAL SYMPTOMS of ABNORMAL PLANTS**

**Growth**

General: Good \_\_\_\_\_ Fair \_\_\_\_\_ Poor \_\_\_\_\_ Dead \_\_\_\_\_  
 Specific: Brittle leaves/stems \_\_\_\_\_ Distorted leaves \_\_\_\_\_ Leaf rosette \_\_\_\_\_ Dwarfed \_\_\_\_\_  
 Roots: Good \_\_\_\_\_ Fair \_\_\_\_\_ Poor \_\_\_\_\_ Dead \_\_\_\_\_ If legumes, nodulated? Yes \_\_\_\_\_ No \_\_\_\_\_  
 Bud / New Growth: Good \_\_\_\_\_ Fair \_\_\_\_\_ Dead \_\_\_\_\_ Distorted \_\_\_\_\_

**Color**

Color Location: Younger leaves \_\_\_\_\_ Older leaves \_\_\_\_\_ Whole plant \_\_\_\_\_  
 Color of Leaves: Dark green \_\_\_\_\_ Light green \_\_\_\_\_ Yellow \_\_\_\_\_ Red \_\_\_\_\_ Reddish purple \_\_\_\_\_  
 Leaf Color Pattern: Whole leaf \_\_\_\_\_ Between veins \_\_\_\_\_ Veins & petiole \_\_\_\_\_ Margins \_\_\_\_\_  
 Tip \_\_\_\_\_ Spotted \_\_\_\_\_ Other pattern (describe) \_\_\_\_\_  
 \_\_\_\_\_

**CROP PRODUCTION INFORMATION**

Method of Application	Fertilizer Applied to This Crop (lb/A)							
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	Mn	Zn	Cu	B
Broadcast								
Row / Band								
Topdress / Foliar								

Other Nutrient Materials (gypsum, sewage sludge, sawdust, etc.) \_\_\_\_\_  
 Crop Tillage: Conventional \_\_\_\_\_ No-till \_\_\_\_\_ Minimum Tillage \_\_\_\_\_  
 Field / Growing Conditions: Normal \_\_\_\_\_ Wet \_\_\_\_\_ Dry \_\_\_\_\_ Hot \_\_\_\_\_  
 Greenhouse Media Type: Peat-lite \_\_\_\_\_ Pine Bark \_\_\_\_\_ Sandy Loam \_\_\_\_\_ Silt-Clay Loam \_\_\_\_\_

**COMMENTS** — Please provide us with comments related to crop treatment, growing conditions, and insight that may be helpful.


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