



UConn Soil Nutrient Analysis Laboratory

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soiltesting.cahnr.uconn.edu

UConn
COLLEGE OF AGRICULTURE,
HEALTH AND NATURAL
RESOURCES
EXTENSION & PLANT SCIENCE
AND LANDSCAPE ARCHITECTURE

Soil Sample Questionnaire for Greenhouse Crops (Soilless Media/Saturated Media Extract Analysis)

Samples cost \$20 each. Please enclose a check made payable to the **University of Connecticut**. Fill out this sheet and mail with media sample and proper postage to: UConn Soil Nutrient Analysis Laboratory, 6 Sherman Place Unit 5102, Storrs, CT 06269-5102
Contact us with any questions at (860)-486-4274.

PLEASE PRINT CLEARLY

Name _____ Date _____
Address _____
City/Town _____ State _____ Zip _____ County _____
Phone _____ Email _____
Sample ID (12 characters max) _____ Square ft. production area _____

IMPORTANT!

- FOLLOW THE SAMPLING INSTRUCTIONS ON THE REVERSE SIDE.**
- DO YOU WISH TO RECEIVE FERTILIZER RECOMMENDATIONS?** YES NO

If not, no other information is required.

If you require limestone and fertilizer recommendations, please fill in the following section as completely as possible.

Crop(s) _____ Date Planted/To be Planted _____

Is growth satisfactory? YES NO If not, describe growth below:

COLOR OF: Upper leaves _____ Lower leaves _____ Roots _____

ROOTS (check one): Numerous, well-branched Few None

Describe any other symptoms: _____

What is the composition of the growing media?

(e.g. parts peat, soil, perlite, etc. by volume) _____

If commercial medium, name of product _____

List the amount of any lime, fertilizer, or other material you have added to the soil before planting

Method and frequency of irrigation _____

Describe your fertiizer program (e.g. formulation, frequency, rate, and method of application)

DRY FERTILIZERS _____

LIQUID FERTILIZERS _____

Additional comments _____

DO NOT WRITE IN THIS SPACE (FOR LAB USE ONLY)

pH _____ Conductivity _____ NO₃-N _____ NH₄-N _____

Ca _____ Mg _____ P _____ K _____ Cu _____ B _____ Fe _____ Mn _____ Mo _____ Zn _____

Lab No. _____

Soil Sampling Instructions

When collecting samples for the SME analysis, it is important not only to collect a **representative sample** but also to provide the laboratory with an **adequate sample size**.

Please note: Unless a representative soil sample is taken, the analysis and interpretation are of no value.

Follow these simple directions:

1. WHEN TO SAMPLE DEPENDS ON YOUR FERTILIZER REGIME:

For **constant liquid feed or regular periodic liquid feeds** (i.e. once a week) the samples about 4 hours after fertilizing or at least on the same day.

For **crops with slow release fertilizer** that receive infrequent fertilizer supplements, sample 4 hours after watering.

2. Always be consistent in sampling protocol if reports are to be compared.

3. SPECIAL PROCEDURES FOR COLLECTING SAMPLES:

Bench crops: Take a full core of potting medium from top to bottom of bench from 10 locations. Mix in clean container.

Potted plants: Take slices from the side of root ball from 10 or more pots. Mix in clean container.

Potting or transplanting mixes or compost pile: Take portions from 10 or more locations in the pile. Mix in clean container.

Never sample from just the top 1/3rd of the pot; results will overestimate fertility.

4. Remove slow release prills as best as possible.

5. Transfer 1 1/2 to 2 cups of the potting mixture from the clean container to a zipper-lock bag and label the outside of the bag with the sample name/number.

6. Samples may be brought or mailed to the Soil Nutrient Analysis Laboratory along with a filled out greenhouse questionnaire and payment. Contact the lab if you are interested in purchasing prepaid soil collection kits for greenhouse media

7. A copy of the results of the analysis will be sent to you. Results can also be emailed upon request. **IF YOU WOULD LIKE TO RECEIVE FERTILIZER RECOMMENDATIONS MADE BY DR. ROSA RAUDALES, EXTENSION SPECIALIST IN GREENHOUSE CROPS (rosa.raudales@uconn.edu) (860) 486-6043, BE SURE TO CHECK OFF THE APPROPRIATE BOX ON THE QUESTIONNAIRE. RECOMMENDATIONS WILL BE INCLUDED ONLY IF REQUESTED.**