



UConn Soil Nutrient Analysis Laboratory

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860-486-4274
www.soiltest.uconn.edu

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

Soil Sample Questionnaire for Greenhouse Crops

(Soiless Media/Saturated Media Extract Analysis)

Samples cost \$10 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!

1. FOLLOW THE SAMPLING INSTRUCTIONS ON THE REVERSE SIDE.

2. 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.**