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!
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 □ Does not apply
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 fertilizer 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.**