UMassAmherst

Extension Soil & Plant Nutrient Testing Laboratory

Paige Laboratory, Room 120 161 Holdsworth Way Amherst, MA 01003



soiltest@umass.edu soiltest.umass.edu

USE THIS FORM FOR GREENHOUSE MEDIA; SATURATED MEDIA EXTRACT. (See page 2 for Sampling Instructions and Description of Services)

Main contact:			Send Copy to:	Send Copy to:	
Name:			Name:	Name:	
Business Name	<u>:</u> :		Business Name:	Business Name:	
Street Address	:		Street Address:	Street Address:	
City, State, Zip			City, State, Zip:	City, State, Zip:	
Phone:			Phone:	Phone:	
Email Address:			Email Address:		
LAB# (Leave blank)			pH and EC (\$15)	only Optional Testing . Organic Matter % (\$6)	
					Order Total \$
Sample Infor	mation				
Mix Characteristics:			Fertilizer Use:	Crop and Sample Information:	
field soil?			Fertilizer values (i.e. N-P ₂ O ₅ -K ₂ O analysis).	Age or stage of development: application: ls this a routine sample to determine nutrient status? Yes No For problem diagnosis, describe symptoms	
			Rate of application: ppm lbs./gal Frequency of application:		
			Is slow release fertilizer in use (e.g. Osmocote)? Yes No		

 Office Use Only

 Received
 Due

 Check #
 PO#

 Cash
 Date

*For irrigation water or nutrient solutions used in hydroponics, deduct \$5.00 from total fee.

Please make check payable to the University of Massachusetts or "UMass"

Greenhouse Media Sampling Instructions

It is very important that you take the necessary steps to obtain a representative sample.

Procedure:

- 1. Sampling:
 - a) Potting or transplanting media pile: Collect samples from at least 10 locations in the pile, combine and thoroughly mix.
 - b) Potted plants: Collect media samples from root depth of at least 10 pots. Combine and thoroughly mix.
 - c) Ground beds or bench crops: Collect cores from top to bottom of media from at least 10 locations, combine and thoroughly mix.
- 2. Place about 2 cups of your well mixed media sample in a heavy zip-lock bag labeled with your Sample ID and completed submission form. Samples should be submitted "as is" and do not requiring drying.

Hand deliver or mail the sample, submission form, and a check or money order **payable to UMass** to the address listed at the front of this form. Samples should be delivered to the lab a quickly as possible to prevent spoilage.

Greenhouse Media Test Descriptions & Fees

Standard Media Test: \$30.00

Includes pH of water saturated media, electrical conductivity, and nutrient content (nitrate-N, ammonium-N, phosphorus, potassium, calcium, magnesium, manganese, zinc, copper, iron, and boron) of saturated media extract.

Optional Testing

Organic Matter Percentage: \$6.00

Measurement of soil organic matter by loss on ignition at 360 degrees C

Additional Elements: \$5.00

Extractable sulfur (S) and sodium (Na) of water saturated media (may be added on to Standard Media Test only)

Media pH and Soluble Salts Only: \$15.00

Provides pH and electrical conductivity of the water saturated media

Optional Testing

Organic Matter Percentage: \$6.00

Measurement of soil organic matter by loss on ignition at 360 degrees C

Note: For irrigation water or nutrient solutions used in hydroponics, deduct \$5.00 from total fee.