



**Soil and Plant Nutrient Testing Laboratory**

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

<b>Main contact:</b>	<b>Send copy to:</b>	<b>Method of receiving results</b>  <input type="checkbox"/> US Mail (please include \$2 for postage & handling)  <input type="checkbox"/> E-mail  Send copies to: _____
Name:	Name:	
Business Name:	Business Name:	
Street Address:	Street Address:	
City, State, and Zip	City, State, and Zip	
Phone:	Phone:	
E-mail address:	E-mail address:	

LAB # (Leave blank)	Sample ID (You create this)	Standard (\$15)	Optional Testing		pH and EC only (\$10)	Optional Testing
			Organic Matter % (\$6)	Add Sulfur and Sodium (\$5)		Organic Matter % (\$6)
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Office Use Only</b>		<b>Order Total \$</b> _____
Received	Due	
Check#	PO#	
Cash		

<b>Sample Information</b>	<b>Fertilizer use:</b>	<b>Crop and sample information:</b>
<b>Mix characteristics:</b>		
Mixture type? <input type="checkbox"/> Soilless <input type="checkbox"/> Soil <input type="checkbox"/> Blend What is the approximate percentage by volume of field soil? _____%	Fertilizer values (i.e. N-P <sub>2</sub> O <sub>5</sub> -K <sub>2</sub> O analysis) _____	Crop Name: _____
Who prepared mixture? <input type="checkbox"/> Grower <input type="checkbox"/> Commercial If Grower prepared mix, list materials (% by volume) _____	Rate of application: _____ <input type="checkbox"/> ppm <input type="checkbox"/> lbs/gal	Age or stage of development: _____
If Commercial, what is the commercial brand name? _____	Frequency of application: _____	Is this a routine sample to determine nutrient status? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Is a slow release fertilizer in use (e.g. Osmocote)? <input type="checkbox"/> Yes <input type="checkbox"/> No	For problem diagnosis, describe symptoms: _____ _____ _____

### **Greenhouse Media Sampling Instructions**

It's 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 complete submission form.

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

### **Greenhouse Media Test Descriptions & Fees**

#### **Standard Media Test: \$15.00**

Includes pH of water saturated media, electrical conductivity, and nutrient content (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 (*\*to be added on to Standard Media Test only*)

#### **Media pH and Soluble Salts Only: \$10.00**

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