



**Soil and Plant Nutrient Testing Laboratory**

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**USE THIS FORM FOR GREENHOUSE MEDIA; SATURATED MEDIA EXTRACT FOR UMASS RECHARGE. See page 2 for Sampling Instructions and Description of Services. Complete Recharge information requested below.**

<b>Main Contact:</b>	<b>Principal Investigator:</b>	<b>Method of receiving results</b> <input type="checkbox"/> US Mail (please include \$2 for postage and handling) <input type="checkbox"/> Email <input type="checkbox"/> Copy Results to PI
Name:	Name:	
UMass Department:	UMass Department:	
Street Address:	Street Address:	
City, State, Zip:	City, State, Zip:	
Phone:	Phone:	
Email address:	Email address:	

LAB # (Leave blank)	Sample ID (You create this)	Standard (\$30)	Optional Testing		pH and EC only (\$15)	Optional Testing Organic Matter (\$6)
			Organic Matter % (\$6)	Add Sulfur and Sodium (\$5)		
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SAMPLE INFORMATION:**

<p><b>Mix Characteristics:</b>          Mixture type? <input type="checkbox"/> Soiless <input type="checkbox"/> Soil <input type="checkbox"/> Blend          What is the approximate percentage by volume of field soil? _____%</p> <p>Who prepared mixture? <input type="checkbox"/> Grower <input type="checkbox"/> Commercial          If Grower prepared mix, list materials (% by volume)          _____</p> <p>If Commercial, what is the commercial brand name?          _____</p>	<p><b>Fertilizer use:</b>          Fertilizer values (i.e. N-P-K analysis)          _____</p> <p>Rate of application: _____ <input type="checkbox"/> ppm <input type="checkbox"/> lbs/gal</p> <p>Frequency of application: _____</p> <p>Is a slow release fertilizer in use (e.g. Osmocote)?  <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><b>Crop and Sample Information:</b>          Crop Name: _____</p> <p>Age or stage of development: _____</p> <p>Is this a routine sample to determine nutrient status? <input type="checkbox"/> Yes <input type="checkbox"/> No          For problem diagnosis, describe symptoms:          _____          _____          _____</p>
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GL UNIT	Speed Type	Account Code	Fund Code	Amount	GL UNIT	Speed Type	Account Code	Fund Code	Order #
A					A	104913	699900	51069	
<b>Dept. ID:</b>		<b>Project/Grant:</b>			<b>Signature:</b>				

### **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: \$30.00**

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: \$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