



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.

Main Contact:	Principal Investigator:	Method of receiving results <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>Mix Characteristics: 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>Fertilizer use: 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>Crop and Sample Information: 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	
Dept. ID:		Project/Grant:			Signature:				

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