



Soil and Plant Nutrient Testing Laboratory

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USE THIS FORM FOR PARTICLE SIZE ANALYSIS FOR UMASS RECHARGE

Send your sample(s), completed submission form and payment to the address listed above. Enclose check payable to UMass for tests requested below. Complete Recharge information requested below.

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

See page 2 for sampling instructions and description of services.

| LAB # (Leave blank) | Sample ID (You create this) | Comprehensive (\$85) | *Optional Testing Grain Size Distribution Curve (\$10) | Basic (\$50) | Title V Sand (\$60) |
|------------------------|--------------------------------|--------------------------|---|--------------------------|--------------------------|
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
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* Optional Testing may be added to Comprehensive test only.

| 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: _____ | | | | |

Soil Sampling Instructions

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

The first step is to determine the area that will be represented by the sample. Soil physical appearance, color, slope, drainage, and past management should be similar throughout the area. It may be helpful to draw a map of the property and identify dissimilar areas where you will collect samples.

Use a spade, auger, or sampling probe to collect at least 10 to 15 samples from random spots into a clean bucket. Next, break up clods of soil, remove debris, and thoroughly mix samples in the bucket. These steps ensure the sample is representative of the area to be evaluated.

Once the sample is thoroughly mixed, scoop out approximately **two cups** of soil and spread on a clean piece of paper to air dry. For samples with more than about 10% gravel, scoop out four cups of soil.

Place **dry sample** in a plastic zip-lock bag labeled with your sample ID (you create this: limit of 5 characters). Send your sample(s), completed order form and payment to the address listed above. Make check or money order payable to UMass.

Particle Size Analysis Descriptions & Fees

Comprehensive Particle Size Analysis: \$85

A determination of USDA textural classification by combined Hydrometer Analysis of silt and clay, and dry sieving of sands. Results list percentages of sand, silt and clay, as well as sub-fractions of silt and clay. U.S. Standard Sieves used: No. 10, 18, 35, 60, 140, and 270.

*Optional Testing

Grain Size Distribution Curve: \$10

Graphical representation of grain size distribution (Graph may be added on to Comprehensive Particle Size Analysis only.)

Additional Sieves: \$10 per sample

Up to 4 sieves may be added to each Comprehensive Particle Size Analysis. Available sieves are U.S. Standard Sieves 1", ¾", ½", 3/8", #4, #40, #50, #100, and #200. Contact the lab when requesting additional sieves.

Report based on Percent of Sample Passing the 2mm Sieve: no charge

Contact the lab to receive results in this format.

Basic Particle Size Analysis: \$50

A determination of USDA textural classification by hydrometer method. Results list percentages of sand, silt and clay only, as well as MA Title V Textural Class. This test is intended for mineral soils with less than 20% organic matter.

Title V Sand Determination: \$60

A determination of MA Title V Sand for new septic construction using U.S. Standard Sieves No. 4, 50, 100 and 200.

**Optional Testing may be added on to Comprehensive Particle Size Analysis only.*