UMass Soil & Plant Nutrient Testing Laboratory
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USE THIS FORM FOR PARTICLE SIZE ANALYSIS

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

Main Contact:	**Send Copy to:**	**Method of receiving results**
Name:	Name:	US Mail (please include $2 per order for postage & handling)
Business Name:	Business Name:	
Street Address:	Street Address:	Email Delivery
City, State, Zip	City, State, Zip:	
Phone:	Phone:	
Email Address:	Email Address	

See page 2 for Sampling Instructions and Description of Services

Lab Use Only (Please leave blank)	**Sample ID** (You create this)	**Comprehensive ($85)**	***Optional Testing** Grain Size Distribution Curve ($10)	***Optional Testing** Extra Sieves ($10) (Please List)	**Basic ($50)**	**Sand for Title 5 Construction ($60)**

Order Total $_____.

Lab Use Only	
Received	Due
Check #	PO#
Cash	Date

Check here to receive report based on percent of sample passing the 2mm sieve.

Optional Testing may be added to the Comprehensive Test only.

Soil Sampling Instructions

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

1. Determine the area to 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 the separate samples.

2. Use a shovel, auger, or sampling probe and clean bucket or pail to collect at least 10 to 15 samples from random spots within the defined area. Next, break up clods of soil, remove debris, and thoroughly mix samples in the bucket.

3. Scoop out approximately **two cups** of soil and spread on a clean piece of paper to air dry. For samples with more than 10% gravel, scoop out four cups of soil.

4. Place **dry sample** in a plastic zip-lock bag labelled with your Sample ID. Send your sample(s), completed order form and payment to the address listed on the first page of this form. Make check or money order payable to UMass.

Particle Size Analysis Descriptions & Fees

- **Comprehensive Particle Size Analysis**: $85 per sample
  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 sand. U.S. Standard Sieves used: #10, #18, #35, #60, #140, and #270.

  Optional Testing (*May be added to Comprehensive Particle Size Analysis only*)
  - Grain Size Distribution Curve: $10 per sample
  - 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.
  - Report based on Percent of Sample Passing the 2mm Sieve: no charge

- **Basic Particle Size Analysis**: $50 per sample
  A determination of USDA textural classification by hydrometer method. Results list percentages of sand, silt and clay only, as well as MA Title 5 Textural Class. This test is intended for mineral soils with less than 20% organic matter, and can be used to determine alternative percolation rate.

- **Sand for Title 5 Construction**: $60 per sample
  A determination of MA Title 5 Sand for new septic construction using U.S. Standard Sieves #4, #50, #100 and #200. Results do not include percentages of sand, silt and clay.