



How to Submit a Soil Sample:

Select an Area to Sample

The area needs to be uniform in color, texture, depth, and drainage with the same fertilizing program and type of use. Lawns, trees, flowerbeds, cut and fill areas should be tested individually. An area containing multiple trees and shrubs can be grouped into one area if the plant appearance is the same. Plants with unusual symptoms need to be tested separately. Very large areas should have multiple analyses.

Multiple samplings should be taken from any one area, combined and then sub sampled for a submittal. Avoid sampling unusual areas such as burned spots or extra lush growth unless they are being sampled to determine the cause of their differences. Surface litter is normally removed. If one plant is being sampled, sample at least two or three spots. If multiple plants are being sampled, sampling one spot per plant is sufficient. For lawns, flowerbeds, vegetable gardens sample at least five sites, ten sites will be more representative, however.

Depth of Soil Sampling

For new planting, sample from the surface extending as deep as the soil will be amended, generally 6 inches for groundcover, 24 inches for small boxed trees and 3 to 4 feet for large boxed trees.

For existing turf, sample 2 to 6 inches or the depth of the rooting zone depth, whichever is shallower.

For flower beds and vegetable gardens, sample generally from surface to 6 or 8 inches.

For trees and shrubs, sample from the surface to the active rooting depth which may extend to 12 or 18 inches. For best data, sample distinctive soil profiles individually.

How to Sample

Use a soil probe or soil auger to remove a core sample. Otherwise, use a shovel to dig a hole to the desired depth. Sample the soil from the side of the hole by scraping it with a trowel. The tools need to be clean and not rusty. Avoid sampling when the soil is too wet.

How to Combine Samples from Multiple Holes

Place the soil from the various holes taken from each sampled area into a clean plastic bucket. Mix the soil together homogeneously. Place two cups of the composite subsample (gravelly, rocky soils need several cups more) into a zip lock plastic bag (about half full).

How to Ship

Remove the excess air from the bag, zip lock it, fold it a few times, secure it with a rubber band and place it in a suitable mailer. Send the sample by mail, UPS or overnight carrier along with a brief description of the sample and future use of the area. For more than one sample, assign it a number and label the bag. Record the details in your files. Provide your name, phone number, address, and fax number if you wish to have the data faxed back.

Use this form when submitting soil sample(s)

Contact Name: _____ Company: _____
Day time number: _____ Cell/Evening number: _____
Fax number: _____ eMail address: _____
Address: _____ City: _____ State: _____ Zip: _____

Test(s) to be completed:

total #	description	cost
___ 1)	Standard Agricultural Soil Suitability Analysis: Soil analysis includes pH, salinity, concentrations of soluble salts, fertility (all 14 essential nutrients), sodium, and concentrations of 14 non-essential trace metals including aluminum, arsenic, cadmium, lead; SAR, moisture and more. The soil report includes a narrative report of the major soil properties and recommendations. ** Describe whether the testing is for new landscape installation, site maintenance, gardening, new farm land, current farming, etc.	\$75.00 for one sample / \$70.00 each for 2 or more samples
___ 2)	Comprehensive soil report with more extensive evaluations and recommendations - <i>Use form found on page 2</i>	\$50.00
___ 3)	Soil Organic matter quality evaluation: total organic carbon and total nitrogen:	\$50.00
___ 4)	Total Analysis of Heavy Metals (epa 3050).....	\$85.00
___ 5)	Complete Compost Test: Including acidity, salinity, soluble salts, nutrient content both available and total concentrations, bulk density, organic matter, carbon:nitrogen ratio, bulk density, moisture, and more.	\$220.00 per sample
___ 6)	Other <u>texture (\$25.00), water percolation rate (\$25.00), growth study for toxicity (\$85.00) etc.</u>	

Payment | Payable by Money Order or Checks Only (please call in first to ensure you are getting the services needed)

Amount of money order or check: _____ check number: _____

Standard Agricultural Soil Suitability Form:

Job Site / Client Name: _____ Sample Number: _____ of _____

**Description of what soil will be tested for: _____

Location on site: _____ Depth of sample: _____

additional information: _____

please use if submitting multiple sample's:

Job Site / Client Name: _____	Sample Number: _____ <i>of</i> _____
**Description of what soil will be tested for: _____	
Location on site: _____	Depth of sample: _____
additional information: _____	

Job Site / Client Name: _____	Sample Number: _____ <i>of</i> _____
**Description of what soil will be tested for: _____	
Location on site: _____	Depth of sample: _____
additional information: _____	

Job Site / Client Name: _____	Sample Number: _____ <i>of</i> _____
**Description of what soil will be tested for: _____	
Location on site: _____	Depth of sample: _____
additional information: _____	

Comprehensive Soil Report Form

_____ **New installations*** _____ **For site maintenance****

*Provide a plant palette list, type of irrigation, describe former use of the site and current use of the site, amount of mass grading, degree of soil compaction, subsurface conditions, type of irrigation water and any other pertinent information. If soil organic matter and soil texture are measures, the estimated rate of water percolation based on the USDA model will be provided at no additional fee. *(please use space below for answer)*

**Include the information listed above and provide what information is available for the following considerations.

for site maintenance**

<p>Plant Diagnosis _____</p> <p>plant species _____</p> <p>Mechanical damage _____</p> <p>degree of soil compaction _____</p> <p>Is the soil crusted? _____</p> <p>depth of soil amending _____</p> <p>depth of topsoil _____</p> <p>type of topsoil _____</p> <p>type of subsoil _____</p> <p>depth of soil moisture _____</p> <p>water logging or water deficit _____</p> <p>Plant Characteristics _____</p> <p>proliferation, suckering, non flowering _____</p> <p>Chlorosis, necrosis or discoloration _____</p> <p>Wilting or malformation _____</p> <p>Stunted or lodging _____</p> <p>Discoloration of internal tissue _____</p>	<p>Leaf Characteristics _____</p> <p>Leaf appearance and recent changes _____</p> <p>Leaf spots, holes or shredding _____</p> <p>Root proliferation _____</p> <p>Are roots limited to rootball? _____</p> <p>Amount of new root growth in backfill soil _____</p> <p>root damage _____</p> <p>coloration of roots _____</p> <p>Nutrient deficiencies or excesses _____</p> <p>Irrigation type _____</p> <p>irregular pattern _____</p> <p>Irrigation coverage and frequency _____</p> <p>length and frequency _____</p> <p>weather extremes _____</p> <p>seasonal (frost/high temp) _____</p> <p>insect injury _____</p> <p>chemical damage _____</p> <p>Presence of Diseases _____</p>
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