WALLACE LABORATORIES
SOIL • PLANT • WATER • ANALYSIS

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2025 Soil Form

How To Submit Soil Sample(s):

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 ground cover, 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, 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 to three cups of the composite subsample (gravely, 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, email address and fax number if you wish to have the data faxed back.

Ship to Wallace Laboratories:
365 Coral Circle, El Segundo, CA 90245 USA

PAYMENT INFO

☐ **Check** (total):_____ **#:** _____

☐ **PO#** _____

☐ **Credit Card Transaction**

CC #: _____

Exp: _____ CVV: _____

Billing ZIP Code for Credit Card: _____

Credit Cards will include a 4% transaction fee.
***PO# Only if account has been pre-approved.**

Soil Test Information

Save/Download form, fill out form, then print form to send with soil(s)

Name: _____

Company: _____

Phone: _____ Other Phone: _____

Fax number: _____ Email: _____

Address: _____

City: _____ State: _____ Zip: _____

Soil Test to be Ordered

total # description / cost

☐ ☐ **1) Standard Agricultural Soil Suitability Analysis:**
$100.00 for one sample
$95.00 each for 2 or more samples submitted at the same time for the same job
Soil analysis includes pH, salinity, concentrations of soluble salts, fertility (all 15 essential nutrients), sodium, and concentrations of 15 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.

___ **2) Media Suitability Analysis: ..... $105.00 per sample**
Includes same test items as item 1 in addition to ammoniacal nitrogen. Test to be done on organic soils, potting soils, lightweight soils, etc

___ **3) Comprehensive written soil report with more extensive extensive evaluations and recommendations - Use form found on page 2 ..... $50.00**
Must be done in addition to Option 1, 2 or 6

___ **4) Soil Organic matter quality evaluation total organic carbon & total nitrogen . . $65.00 per sample**

___ **5) Total Analysis of Heavy Metals (epa 3051A) ..... $150.00 per sample**

___ **6) Complete Compost Test: ..... $285.00 per sample**
Including acidity, salinity, soluble salts, nutrient content both available and total concentrations, organic matter, carbon:nitrogen ratio, bulk density, moisture, and more.

___ **7) Growth Study for toxicity: requires 1 Gallon of soil ..... $135.00 per sample**
Percent germination and relative growth is measured with and without activated charcoal. Activated charcoal sequesters herbicides, pesticides and organic toxins.

☐ ☐ **8) Soil Management Report:**
$205.00 for one sample
$200.00 each for 2 or more samples submitted at the same time for the same job
(Required by State of California AB 1881 for building permits)
Includes Standard Agricultural Soil Suitability, soil texture, soil organic matter and calculated rate of water percolation

☐ **9) Other (*Please check the appropriate test(s) below needed)**
☐ texture **($45.00)** ☐ water percolation rate **($45.00)**
☐ CEC (cation exchange capacity), base saturation and percentages of exchangeable cations **($55.00)**

Standard Agricultural Soil Suitability Information

Job Site/Client: _____ Sample #: _____
++Description of soil: _____
Location on site: _____ Depth of sample: _____
additional information: _____

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Location on site: _____ Depth of sample: _____
additional information: _____

Job Site/Client: _____ Sample #: _____
++Description of soil: _____
Location on site: _____ Depth of sample: _____
additional information: _____

Print Soil Form

Please continue for if submitting more samples or needing to fill out the form below:

Job Site / Client Name:_____ Sample Number: _____

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

Location on site: _____Depth of sample: _____

additional information: _____

Job Site / Client Name:_____ Sample Number: _____

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

Location on site: _____Depth of sample: _____

additional information: _____

Job Site / Client Name:_____ Sample Number: _____

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

Location on site: _____Depth of sample: _____

additional information: _____

Job Site / Client Name:_____ Sample Number: _____

++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**

Plant Diagnosis_____

Plant Species _____

Mechanical Damage_____

Degree Of Soil Compaction _____

Is The Soil Crusted?_____

Depth Of Soil Amending_____

Depth Of Topsoil_____

Type Of Topsoil _____

Type Of Subsoil _____

Depth Of Soil Moisture_____

Water Logging Or Water Deficit _____

Plant Characteristics_____

Proliferation, Suckering, Non Flowering_____

Chlorosis, Necrosis Or Discoloration_____

Wilting Or Malformation_____

Stunted Or Lodging _____

Discoloration Of Internal Tissue _____

Leaf Characteristics_____

Leaf Appearance And Recent Changes _____

Leaf Spots, Holes Or Shredding _____

Root Proliferation_____

Are Roots Limited To Rootball? _____

Amount Of New Root Growth In Backfill Soil_____

Root Damage _____

Coloration Of Roots_____

Nutrient Deficiencies Or Excesses _____

Irrigation Type_____

Irregular Pattern_____

Irrigation Coverage And Frequency _____

Length And Frequency _____

Weather Extremes_____

Seasonal (Frost/High Temp)_____

Insect Injury _____

Chemical Damage_____

Presence Of Diseases _____

Print Soil Form