George Leigh Minor Plant and Soil Health Center
Soil Nutrient Analysis Laboratory
University of Connecticut
27A Manter Road Unit 4102, Storrs, CT, 06269-4102
s.uconn.edu/plant-soil

BarCode Scanner

Soil Submission Form for Home Gardens, Landscapers and Lawns

INSTRUCTIONS:

1. Please choose the required test(s) for each sample (see price list for details).
2. After completing this form, send it with samples and payment to the lab.
3. Attach a check or money order to this form. If an online payment was made, write the online order number to indicate it.
4. **Send Samples to: George Leigh Minor Plant and Soil Health Center**
   Soil Nutrient Analysis Laboratory
   27A Manter Road Unit 4102, Storrs, CT, 06269-4102
5. Please allow **7-10 business days** for return of test results and recommendations (Samples during April-May will take longer). Sometimes emails can end up in the spam folder. Check there for emails from CAHNR – Soil Nutrient Lab and add soiltest@uconn.edu to your contact list to prevent that in the future.

MAKE CHECK OR MONEY ORDER PAYABLE TO:
UConn

PLEASE DO NOT SEND CASH

AMOUNT ENCLOSED

$ .....

Or pay online at: soiltesting.cahnr.uconn.edu

Online receipt #:_____

How to receive results?

Mail [ ] Email [ ] Both[ ]

CONTACT INFORMATION:

Name: ..... **Business:** .....

Address: ..... **Phone:** .....

Town, State, Zip:..... **Email:** .....

Sample ID *(Choose a name you will remember)*	**Plants to Grow or are Growing** *(See back and write up to 3 crop codes for recommendation)*	**Test Options and Fees (per sample)** *(Check ✓ the option(s) you would like to test for each sample)*												**Lab ID** *(Leave blank)*
		$18 Standard nutrient with pH		$45 Comprehensive nutrient analysis		$10 Soil organic matter content		$20 Soil textural analysis		$7 Soluble salt		$12 Soil Nitrate		$7 Soil pH only		$40 Express service		

Soil Test Type	Price ($)	Description
Standard Nutrient with pH	18.00	Analyzed for soil pH and buffer pH, cation exchange capacity, % base saturation, calcium, magnesium, phosphorus, potassium, sulfur, iron, manganese, copper, zinc, aluminum, and boron. Limestone and fertilizer recommendations are made based on crop selection.
Comprehensive Nutrient Analysis	45.00	**Standard Nutrient Analysis + Soluble Salts+ Organic Matter Content + Soil Nitrate**
Organic Matter Content	10.00	Percent organic matter in soil by the loss on ignition method
Textural Analysis	20.00	USDA soil textural classification (percent sand, silt, and clay)
Soluble Salts	7.00	Total soluble salts
Soil Nitrate Test	12.00	Plant available nitrate-nitrogen in the soil
Soil pH Only	7.00	pH is determined, and limestone or sulfur recommendations are given
Express Service	40.00	Results emailed within **five business days** upon sample receipt (**Only available for Standard Nutrient Analysis**). Drop samples off at the lab or use Express Shipping to avoid delays.

Alert: Do not send samples from outside USA or quarantined areas without checking current restrictions. The USDA APHIS website lists all counties quarantined for soil movement. Samples arriving from these areas will incur an additional **$20 disposal fee per sample**.

For Lab Use Only

Order# Check# Amount($)

Please note: Soil tests do not detect problems related to drainage, weather, light, insects, diseases, weeds, winter injury, or pesticide misuse. For those issues, consider a plant diagnostic sample (**plant.lab.uconn.edu**) or speaking to experts in UConn Home & Garden Education Office at (877) 486-6271.

CROP CODES: (Identify the codes and write up to 3 of them in the sample table on the opposite side of this page)

Crop	Code
Home Landscapes/Lawns	
New Lawn Construction	HL1
Established Lawn	HL2
Home Vegetable, Mixed (includes rhubarb & asparagus)	HV1
Home Vegetable Cucurbits	HV2
Home Vegetable Sweet Corn	HV3
Home Vegetable Peppers & Herbs	HV4
Home Vegetable Potatoes	HV5
Flowers - Annuals, Perennials, Bulbs & Grasses	HFL1
Roses	HFL2
Wildflowers/Ferns	HFL3
Deciduous Trees & Shrubs	HW1
Needleleaf Trees & Shrubs	HW2
Broadleaf & Acid-Loving Trees & Shrubs	HW3

Crop	Code
Groundcovers	HW4
Vines	HVE5
Home Fruit - Blueberries To Be Planted	HFR1E
Home Fruit - Blueberries Maintain	HFR1M
Home Fruit - Brambles, Currants & Gooseberries To Be Planted	HFR2E
Home Fruit - Brambles, Currants & Gooseberries Maintain	HFR2M
Home Fruit - Strawberries To Be Planted	HFR3E
Home Fruit - Strawberries Maintain	HFR3M
Home Fruit - Grapes, American To Be Planted	HFR4E
Home Fruit - Grapes, American Maintain	HFR4M
Home Fruit - Grapes, European To Be Planted	HFR5E
Home Fruit - Grapes, European Maintain	HFR5M
Home Fruit - Tree Fruits To Be Planted	HFR6E
Home Fruit - Tree Fruits Maintain	HFR6M

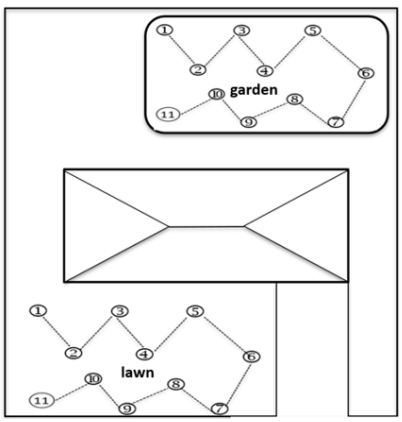
SOIL SAMPLING INSTRUCTIONS:

Follow the instructions below to obtain a representative sample. Limestone and fertilizer recommendations based on improperly collected soil samples may be inaccurate and possibly harmful to plants.

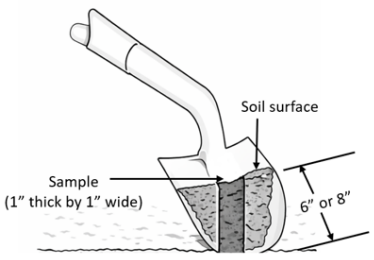
1. Areas differing in appearance, slope, drainage, limestone or fertilizer treatments or intended plant usage should be sampled and tested separately. Examples:
   a. Sample the lawn separately from the vegetable garden or under shaded trees.
   b. Sample the blueberry patch separately from the perennial garden.
   c. Sample recently limed or fertilized areas separately from untreated areas.
   d. Wait one month after adding compost or manure before testing garden beds.
   e. Sample the upslope, dry part of a lawn separately from the downslope, wet part.
2. Where poor growth exists, take samples from both the good and bad areas, if possible, and submit them separately.

WHEN AND HOW TO SAMPLE:

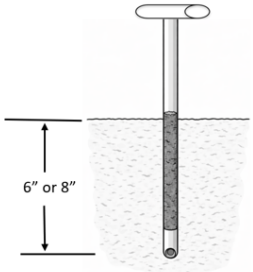
1. Samples may be collected any time of year the ground is not frozen. The waiting period for results is longest in April and May. **Testing the soil in the fall is highly recommended**.
2. Using an auger, spade, trowel, or bulb planter, collect cores or thin slices of soil from 12 or more random, evenly distributed spots in your sample area (see the diagram below) to the appropriate depth indicated.
   a) Grass - 3 to 4 inches, b) Flowers, vegetables, small fruits - 6 to 8 inches, c) Trees and shrubs - 8 to 10 inches
3. Put the slices or cores of soil into a clean container and thoroughly mix. Transfer at least **1 cup** of this mixed soil to a plastic zippered bag. **2 cups** if requesting extra tests like soil organic matter and texture.
4. Using a permanent marker, label each plastic bag with a sample ID (e.g., "front lawn," "garden1") and make sure it matches exactly the sample ID in your sample submission table.
5. Place the plastic bag in a mailing envelope or a small box along with the sample submission form and a check made payable to UConn and mail it to the lab (address on the first page).



Sampling for lawn and home gardens



Sampling using a spade



Sampling using a soil probe

This test is not suitable for Soilless Media (such as potting mixes for containers) or Composts.