

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

**Soil Submission Form for Commercial Fruit/Vegetable/Nursery Crops**

**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.
6. Fruit growers can contact **Evan Lentz** (evan.lentz@uconn.edu) and vegetable growers can contact Shuresh Ghimire (shuresh.ghimire@uconn.edu) with specific questions.

**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 <i>(Choose a name you will remember)</i>	Plants to Grow or are Growing <i>(See back and write up to 3 crop codes for recommendation)</i>	Test Options and Fees (per sample) <i>(Check ✓ the option(s) you would like to test for each sample)</i>								Lab ID <i>(Leave blank)</i>
		\$18	\$45	\$10	\$20	\$7	\$12	\$7	\$40	
		Standard nutrient with pH	Comprehensive nutrient analysis	Soil organic matter content	Soil textural analysis	Soluble salt	PSNT	Soil pH only	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	<b>Standard Nutrient Analysis + Soluble Salts+ Organic Matter Content + Soil Nitrate</b>
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
PSNT	12.00	Pre-Sidedress Soil Nitrate Test-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 <b>five business days</b> upon sample receipt ( <b>Only available for Standard Nutrient Analysis</b> ). 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(\$) \_\_\_\_\_

Crops	Code
Apples - To Be Planted	FAE
Apples - Maintenance	FAM
Blueberries - To Be Planted	FBE
Blueberries - Maintenance	FBM
Grapes: American - To Be Planted	FGAE
Grapes: American - Maintenance	FGAM
Grapes: European - To Be Planted	FGEE
Grapes: European - Maintenance	FGEM
Hops - To Be Planted	FHE
Hops - Maintained	FHM
Pears - To Be Planted	FPEE
Pears - Maintenance	FPEM
Brambles/Gooseberries/Currents - To Be Planted	FRE
Brambles/Gooseberries/Currents - Maintenance	FRM
Stone Fruit - To Be Planted	FSFE
Stone Fruit - Maintenance	FSFM
Strawberries - To Be Planted	FSTE
Strawberries - Maintenance	FSTM
Asparagus - To Be Planted	VASE
Asparagus - Maintenance	VASM
Basil	VBA
Beans: Dry/Snap/Lima	VBEA
Beets, Swiss Chard	VBEE
Broccoli	VBR
Cabbage, Cauliflower	VCAB
Carrots, Parsnips	VCAR
Celery	VCE
Collards	VCO
Cucumbers, Melons	VCU
Eggplant	VEG
Garlic	VGA
Leafy Greens	VLEA
Lettuce	VLET

Crops	Code
Mixed Vegetables	VMIXED
Muskmelon	VMU
Onions, Leeks	VON
Ornamental Corn	VORC
Ornamental Gourds	VORG
Peas	VPEA
Peppers	VPEP
Potatoes	VPO
Pumpkins	VPU
Radishes	VRA
Rhubarb - To Be Planted	VRHE
Rhubarb - Maintenance	VRHM
Spinach	VSP
Squash	VSQ
Sweet Corn, Early	VSWE
Sweet Corn, Full Season	VSWF
Tomatoes	VTO
Rutabagas, Turnips	VTU
Watermelon	VWA
Nursery Trees & Shrubs, Deciduous - To Be Planted	N2E
Nursery Trees & Shrubs, Deciduous - Maintenance	N2M
Nursery Trees, Fir - To Be Planted	N3E
Nursery Trees, Fir - Maintenance	N3M
Nursery Trees, Pine - To Be Planted	N4E
Nursery Trees, Pine - Maintenance	N4M
Nursery Trees, Spruce - To Be Planted	N5E
Nursery Trees, Spruce - Maintenance	N5M
Nursery Trees & Shrubs, Broadleaf Evergreen - To Be Planted	N6E
Nursery Trees & Shrubs, Broadleaf Evergreen - Maintenance	N6M
Christmas Trees - To Be Planted	N7E
Christmas Trees - Maintenance	N7M
Cut Flowers	N8

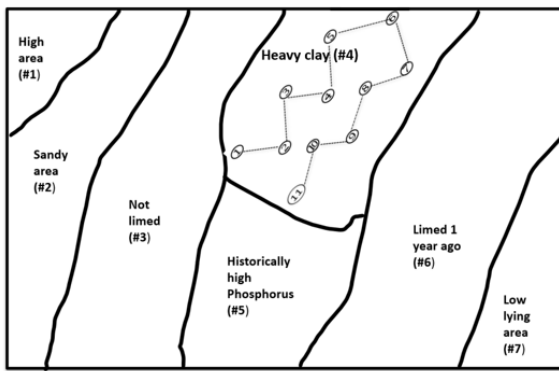
### SOIL SAMPLING INSTRUCTIONS:

Limestone and fertilizer recommendations based on improperly collected soil samples may be inaccurate and possibly harmful to plants. Submit **1 cup** of soil for the standard nutrient analysis and **2 cups** if additional tests, such as organic matter or soil texture, are also requested.

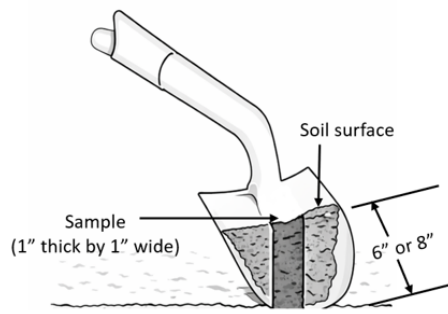
Submit a separate sample for areas differing in topography, drainage, soil texture, with different crop growth or intended crop usage, soil color, or fertilizer/amendment history. For example, submit a sample from each field, different crops, or from an area of low and/or high productivity. Under no circumstances should samples represent areas larger than 15 acres. Avoid sampling unusual spots such as former sites of manure or compost piles and areas where limestone or fertilizer has been spilled in previous years. The soil sample should accurately represent the entire sampling area.

### Sample Collection

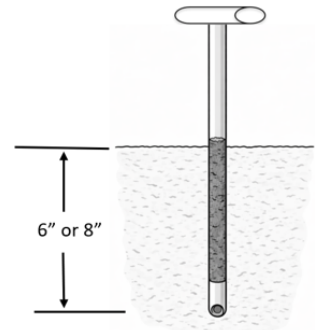
- Using an auger, spade, trowel, or bulb planter, collect cores or thin slices of soil from 12 or more random, evenly distributed spots in your sample area (see the diagram below) to 6 to 8 inches or the plough layer depth
- When using a soil probe, insert it into the soil to the proper depth (e.g., 0-6" or 0-8" for flowers, vegetables, and fruits). If a tool such as a spade is used, dig a V-shaped hole to the sampling depth; then cut a thin (approx. 1-inch-thick) slice of soil from one side of the hole. For the sample, save a 1-inch-wide strip of soil from the center of the spade (Figure below).



Example sampling for 50 acre farm



Sampling using a spade



Sampling using a soil probe

3. Remove the soil core or the slices and place them into a clean bucket. Repeat this process at each predetermined subsampling point within your designated area. Thoroughly mix the soil to obtain one representative sample from that sampling area. Transfer at least **1 cup** of this mixed soil to a plastic zippered bag. **2 cups** if requesting extra tests.
4. Using a permanent marker, label each plastic bag with a sample ID (e.g., "corn field," "soybean field") that matches exactly the sample ID in your sample submission form.
5. Samples can be submitted in person or mailed. When mailing samples, place the sample bags and the submittal form in a sturdy box or envelope. Seal the box with packing tape and mail it to the lab.