

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 Agronomic Growers

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) | Crop code (for recommendation) see back | Yield Tons/acre (silage) Bushel/acre (grain) | Test Options and Fees (per sample) (Check ✓ the option(s) you would like to test for each sample) | | | | | | | | Lab ID (Leave blank) |
|--|---|--|--|---------------------------------|-----------------------------|------------------------|--------------|---------------------------------|--------------|-----------------|----------------------|
| | | | \$18 | \$45 | \$10 | \$20 | \$7 | \$12 | \$7 | \$40 | |
| | | | Standard nutrient with pH | Comprehensive nutrient analysis | Soil organic matter content | Soil textural analysis | Soluble salt | Plant available nitrogen (PSNT) | Soil pH only | Express service | |
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| 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 |
| Plant Available Nitrogen | 12.00 | Plant available nitrate and ammonium-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(\$) _____

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

| Code | Crop/Use | Code | Crop/Use |
|------|--|------|---|
| 1A | Corn for Silage, specify expected yield | 2DE | Grass Hay/Timothy Seeding |
| 1B | Corn for Grain, specify expected yield | 2DM | Grass Hay/Timothy Maintenance |
| 1C | Sorghum-sudan, Sudangrass, Sunflower | 3AE | Grass Pasture Seeding |
| 1D | (Small Grains) Oats, Barley, Rye, Wheat, Triticale, Millet | 3AM | Grass Pasture Maintenance |
| 1E | Dry Beans, Peas, Buckwheat | 3AMI | Grass Pasture Intensively Managed |
| 1F | Soybeans | 3BE | Horse Pasture Seeding |
| 2AE | Alfalfa Seeding | 3BM | Horse Pasture Maintenance |
| 2AM | Alfalfa Maintenance | 3CE | Mixed Legume – Grass Pasture Seeding |
| 2BE | Clover/Trefoil; 60-100% legume - Seeding | 3CM | Mixed Legume – Grass Pasture Maintenance |
| 2BM | Clover/Trefoil; 60-100% legume - Maintenance | 4AE | Conservation Planting - Warm Season Grasses - Seeding |
| 2CE | Grass Hay/Orchard/Reed Canary/Tall Fescue/Ryegrass Seeding | 4AM | Conservation Planting - Warm Season Grasses - Maintenance |
| 2CM | Grass Hay/Orchard/Reed Canary/Tall Fescue/Ryegrass Maintenance | 4BE | Conservation Planting - Wildlife Food Plot |

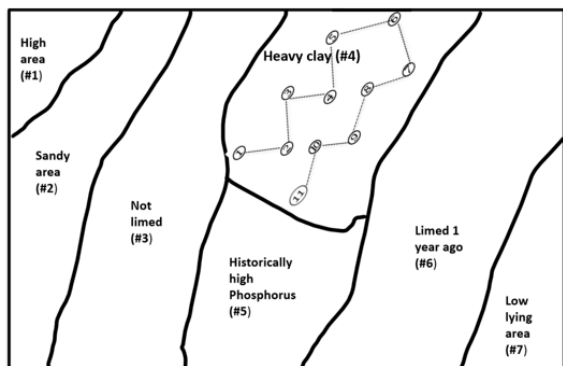
SOIL SAMPLING INSTRUCTIONS:

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.

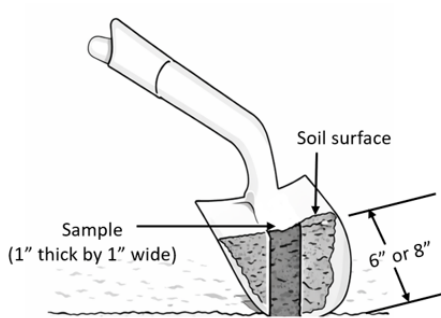
Submit a separate sample for areas differing in topography, drainage, soil texture, with different crop growth or intended crop usage, soil color, or fertilizer/amendment history. For example, submit a sample from each field, different crops, or from an area of low and/or high productivity. Under no 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

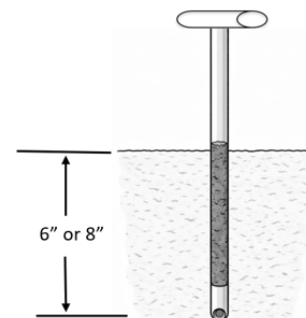
- Using an auger, spade, trowel, or bulb planter, collect cores or thin slices of soil from 12 or more random, evenly distributed spots in your sample area (see the diagram below) to 6 to 8 inches or the plough layer depth
- When using a soil probe, insert it into the soil to the proper depth (e.g., 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

- 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.
- 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.
- 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.