

Mailing Address (please print legibly)

Name _____ Date _____

Address _____

_____, FL Zip _____ Phone _____

Email* _____

*Please provide an email address to receive your results faster.

Signature _____

(Signature only required for UF personnel for approval of chartfield charges)

UF/IFAS Analytical Services Laboratories
Extension Soil Testing Laboratory

2390 Mowry Road/PO Box 110740/Wallace Building 631
Gainesville, FL 32611-0740
Email: soilslab@ifas.ufl.edu Website: <http://soilslab.ifas.ufl.edu>

Producer Citrus Test Form

Note: This lab only tests samples from Florida.

Direct any questions about this test or the interpretation of the results to your local UF/IFAS Extension agent.

INCLUDE 1/2 PINT OR 1 CUP OF SOIL PER SAMPLE

Fill in all requested information, using one line per sample. Use additional forms for more than 8 samples.

Lab Use Only	County	Acreage	Test(s) Requested (see page 2)	Age of Tree (in yrs.)	Variety Code*	Your Sample ID (Standard Soil Test + P)	Trees 4+ yrs Your Sample ID (Leaf Tissue Test for P)	Expected Yield**	Cost

* Variety Code: Please provide Variety Code: Orange—63, Tangelo—64, Tangerine—65, Grapefruit—66
**Expected Yield: For trees 8+ years old, please provide expected yield in either boxes/acre or lb solids/acre

Check ☐ Money Order ☐ Cash ☐ Total _____
Please enclose payment and this sheet in the same package as sample(s).
Please make checks and money orders payable to **UNIVERSITY OF FLORIDA**.
Samples will not be processed without payment. Do not send cash through the mail.

Important Information for Soil Sample Collection and Submission

Before Sampling

- 1. When taking a soil sample, collect the sample near the dripline of the trees and not in the row middle.
- 2. A sampling program is most effective if it is done annually.
- 3. Soil sample bags and test forms are available for free from your local UF/IFAS Extension office. Obtain the materials you need before completing your sampling plan.

Collecting Samples

- 1. In Florida, soil samples should be collected at the end of the summer rainy season (August to October) before fertilizing in the fall.
- 2. Sample from soil surface to depth of tillage, usually 0–6 inches.
- 3. Collect soil from 20 or more spots in each area, mixing these samples in a clean plastic bucket.
- 4. Spread the composited material on clean paper or other suitable material to air-dry. Do not send wet samples.
- 5. Mix the dry soil, and place about 1/2 pint or 1 cup of soil in a labeled sample bag.

Sending Samples to the UF/IFAS Extension Soil Testing Laboratory

- 1. Enter each sample's ID on its sample bag and in the Your Sample ID (Standard Soil Test + P) column. List each sample separately.
- 2. Lime and fertilizer recommendations are provided only if the Variety Code is listed.
- 3. Include the Test Code for each desired test.
- 4. Enter the fee from the Test Cost list found on page 2 of this form.
- 5. Add the costs of all samples and tests. Make check or money order payable to **University of Florida**.
- 6. Include the completed Producer Citrus Test Form and the check or money order in a shipping box with the sample(s).

Test Results

A soil test report will be emailed/mailed to you 5–10 days after your sample arrives at the UF/IFAS Extension Soil Testing Laboratory. Contact your local UF/IFAS Extension office if you have questions concerning the citrus test report.

Test Code	Test Name	Determinations Made	Test Cost
C15	Standard Soil Fertility Test	pH, lime requirement, P, K, Ca, Mg, S, B, Cu, Mn, and Zn (for trees 1–3 years of age)	\$10
C25	Standard Soil Fertility and Tissue Test	Soil —pH, lime requirement, P, K, Ca, Mg, S, B, Cu, Mn, and Zn Tissue —P, K, Ca, Mg, Fe, B, Cu, Mn, and Zn (for trees 4+ years of age)	\$20
C4	pH and Lime Requirement	pH and lime requirement	\$3
4	Organic Matter	percent organic matter	\$10
5	Electrical Conductivity (soluble salts)	conductivity in 1:2 soil:water	\$2
6	Total Carbon/ Total Nitrogen	Total Carbon and Total Nitrogen by Combustion	\$20

Important Information

- **Soil testing** is most useful for pH, P, Ca, Mg, and Cu; **leaf tissue testing** is valuable for all the elements.
- **Nitrogen:** N rates are standard for all citrus trees up to 3 years after planting. The tree variety (orange, grapefruit, tangelo, tangerine) is needed for trees 4–7 years old; for trees 8 years and older the variety also must be specified. If the variety is oranges, the expected yield in boxes/acre or lb solids/acre must be given.
- **Phosphorus:** For trees up to 3 years after planting, **only** a standard soil test is required. If a tree is 4 years or older, please provide a leaf sample for a leaf tissue test as well as a soil sample for a standard soil test.
- **Potassium:** The tree age must be given because the recommended K₂O rate coincides with the recommended N rate. For trees up to 3 years after planting, recommended rates are given in lb per tree. For trees 4+ years old, the K₂O rate is given in lb per acre.
- **Magnesium:** A standard soil test must be performed. Based on the results a recommendation will be given proportional to the recommended N fertilizer rate.
- **Copper toxicity:** A pH test is required when Cu is greater than or equal to 25 mg/kg.
- **Soil pH:** Included in the standard soil test. Liming recommendations are given based on results to a target pH of 6.5.

How to Take, Prepare, and Submit Plant Tissue Samples (for Test Code C25)

1. Ensure that each sample contains at least a **GENEROUS HANDFUL** of plant material (approximately ½ gallon).
2. Be aware that spray residues, dust, or soil on leaves can affect sample results; avoid sampling recently sprayed leaves. If all tissue is dusty or spray contaminated, wash leaves gently with flowing distilled water.
3. Do not sample disease-, insect-, or mechanically damaged plant tissue.
4. Place tissue samples directly into a clean paper or cloth bag or envelope. Do not use plastic containers.
5. If the plant tissue is wet or succulent, allow plant material to air-dry for at least one day before mailing.
6. Two samples are recommended when sampling plants suspected of nutrient deficiencies. Take one sample from normal plants, and another sample from abnormal plants.
7. The best time to collect 4- to 6-months-old spring flush leaves for testing is July and August. Avoid immature leaves because they change composition rapidly.