

Sample Submission Form

Mail samples to:
 UF Plant Diagnostic Center pdc@ifas.ufl.edu
 2570 Hull Rd, Bldg 1291 Phone (352) 392-1795
 Gainesville, FL 32611-0830 Fax (352) 392-3438
 plantpath.ifas.ufl.edu/extension/plant-diagnostic-center/

| Center staff only: | |
|--------------------|-------|
| County: | _____ |
| PDC #: | _____ |
| Date: | _____ |
| Ship type: | _____ |
| Pmt: | _____ |

If applicable, Resubmission #: _____

| Submitter Information: | Check all that apply: | Client Information: |
|------------------------|--|---------------------|
| Name: _____ | <input type="checkbox"/> <u>Commercial</u> (grower, consultant, pest control) | _____ |
| Company: _____ | <input type="checkbox"/> <u>Homeowner</u> | _____ |
| Address: _____ | <input type="checkbox"/> <u>UF Extension or Research</u> | _____ |
| City/Zip: _____ | | _____ |
| Phone No. _____ | | _____ |
| Email: _____ | | _____ |

| |
|---|
| Email results to: <input type="checkbox"/> Submitter <input type="checkbox"/> Client <input type="checkbox"/> 3rd party Email: _____ Bill to: <input type="checkbox"/> Submitter <input type="checkbox"/> Client <input type="checkbox"/> 3rd party Email: _____ <input type="checkbox"/> PAID - check enclosed or credit card info below |
|---|

Plant and Site Information (* indicates mandatory field)

*County, State of sample origin: _____

*Date symptoms first noticed: _____ *Date Sample Taken: _____ Date Sent to Lab: _____

*Plant & Variety/Cultivar: _____

Reference or Field ID: _____

*Planting Type: Field Interior Forest Garden Grove/Orchard Landscape Nursery Greenhouse Other: _____

*Irrigation type and frequency: _____ Exposure: Full sun Partial shade Full shade

*Pesticides applied in past 45 days: _____

*Size of planting/number of plants affected: _____

Describe the problem. Include symptoms, plant parts affected, pattern of occurrence, etc. Attach separate sheets if necessary.

Send photos to pdc@ifas.ufl.edu, submitter name in subject line. _____



Payment information

(this portion of the form will be detached and shredded after transaction is approved; we do not keep this information on file)

Credit card number: _____ CVV: _____

Expiration date (mm/yy): _____ Name as it appears on card: _____

Florida: \$40 per sample,
 Outside of Florida: \$50 per sample;
 make check payable to University of
 Florida FEPDC

Billing Zip code: _____ *Center staff only* PDC #: _____ Amount: \$ _____

The Florida Extension Plant Disease Clinic (FEPDC) is a service provided to any Florida resident by the Institute of Food and Agricultural Sciences (IFAS), University of Florida in conjunction with the Cooperative Extension Service. The FEPDC is open from 8:00am-5:00pm Monday-Friday (except state holidays) and is located on the University of Florida campus at Gainesville. Submit sample and payment payable to:

University of Florida-FEPDC
Bldg 1291, 2570 Hull Road
PO Box 110830
Gainesville, FL 32611-0830

Phone (352) 392-1795
Fax (352) 392-3438
email pdcc@ifas.ufl.edu
website: plantpath.ifas.ufl.edu/extension/plant-diagnostic-center/

\$40.00 PER IN-STATE SAMPLE

The primary role of the FEPDC is to determine if the plant dysfunction involves an infectious causal agent, e.g. fungus, bacterium or virus. This is done by associating causal agents with symptomatic plant tissue. The FEPDC does not routinely test water or soil for plant disease causal agents.

It is the FEPDC policy that:

- 1) All plant samples should originate within the geographical boundaries of the State of Florida or be accompanied by appropriate USDA/DACS plant importation permits.
- 2) Plant samples must be adequate in the quality and quantity with a completed Plant Disease Diagnostic Form (#2901) or equivalent information. Obtaining the appropriate sample before submission will save both time and shipping expense. NOTE: FEPDC staff reserve the right to immediately discard any sample not meeting the submission criteria listed below. Payments will be applied to submission of replacement samples.
- 3) Samples can be submitted to the FEPDC in the following manners:
Mail or deliver samples directly from the grower (e.g. homeowner, farmer, nursery, etc.) to the FEPDC. Samples must be accompanied by payment to ensure timely release of disease determinations and recommendations. Clientele can arrange for monthly invoicing by contacting FEPDC staff. Sample charges may vary according to tests needed.
- 4) Samples are processed on a first come, first served basis in most cases.
- 5) Plant disease determinations and associated control options are emailed to the person(s) specified on the form. If none are indicated, the submitter &/or person who pays for the sample will receive the results. No recommendations will be sent without complete identification and crop situation.

GENERAL SAMPLE SUBMISSION GUIDELINES

Please see our tips for sample submission on-line at:

<http://plantpath.ifas.ufl.edu/media/plantpathifasufledu/plant-disease-clinic/brochure-sample-submission.pdf>

- 1) Submit generous amounts of plant material representing a range of symptoms.
- 2) Do not add water or pack a sample that is wet.
- 3) Keep samples refrigerated after collection until they are submitted. After collecting good samples, do not ruin them by allowing them to bake in the sun or on the back seat of a car prior to submission.
- 4) Do not mix samples in the same submission bag. Moisture from root samples will contribute to the decay of foliage samples if they are mixed together.
- 5) Plant disease identification procedures do not utilize soil or water. Excess soil can be hand shaken from root systems but leave enough soil to keep roots at field moisture levels.
- 6) Please mark sample packages with "Warning" if sample has thorns or spines.
- 7) All samples must be accompanied with a completed Plant Disease Diagnostic Form. Give complete information on the form and **KEEP THE FORM SEPARATE FROM THE SAMPLE**. Limit sample information to one (1) sample per form. You are encouraged to include any other pertinent information in addition to that on the form.
- 8) Remember to note recent pesticide history on the Plant Disease Diagnostic Form accompanying the sample (last three weeks).
- 9) Samples arriving from sites in Florida that are 2 days or less mailing time from Gainesville, can be sealed in plastic bags for shipping.
- 10) Samples arriving from distances greater than 2 days mailing time from Gainesville should be packed tightly in a box with dry paper. Do not seal in plastic because the likelihood of sample deterioration during the mailing period. Do not add moisture.
- 11) Mail samples early in the week to avoid the weekend layover in the post office. We recommend overnight shipping via courier with tracking services only. It is important for the sample to arrive within 48 hours of collection.
- 13) See guidelines for specific types of plant dysfunction on our website (Plant Sample Submission and Diagnoses RFSR007).

SERVICES NOT PROVIDED

Presently, the FEPDC does not routinely provide the following service to clientele:

- 1) Pesticide residue determinations in or on plants and soil.
- 2) Soil Nutrient levels, soluble salts, soil pH, or plant tissue analysis for macro or minor elements.
- 3) Speciation on pathogens isolated from plant disease samples.
- 4) Microbe identification from non-plant samples.
- 5) Toxic plant identifications or mycotoxin analysis.

SERVICES PROVIDED UPON SPECIAL REQUEST

The following procedures are available upon specific request and only after discussion with FEPDC staff. These procedures are both time-consuming and more costly than the normal sample charge; please see our website for up-to-date listing of tests available and pricing.

- 1) Pathogen determinations from water sources.
- 2) Pathogen determinations from soil or growing media by baiting or culturing methods.
- 3) Laboratory verification of the phytoplasma responsible for lethal yellowing disease of palms by PCR methods.
- 4) Accurate diagnosis of the subspecies of fungus responsible for Fusarium wilt of Phoenix palms (*Fusarium oxysporum* f. sp. *canariensis*) by PCR methods.
- 5) Molecular diagnosis of *Xylella fastidiosa*, viruses, citrus greening, laurel wilt, or sudden oak death/ramorum blight.