

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 fdc@ifas.ufl.edu
website: <http://plantpath.ifas.ufl.edu/clinic>

\$20.00 PER 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.

MOSAIC DISEASE SAMPLE SUBMISSION GUIDELINES

- 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. Each separate sample should be bagged separately; they can all be shipped in the same box.
- 5) Mosaic 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.
- 7) All samples must be accompanied with a completed Mosaic 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 past four weeks).
- 9) Samples should be shipped via a method that takes 2 days or less mailing time to Gainesville. We do not recommend USPS.
- 11) Mail samples early in the week to avoid the weekend layover in the shipping warehouse.
- 12) For emergency samples, use overnight courier services or US Overnight mail.

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.