



**JANUARY 2007**



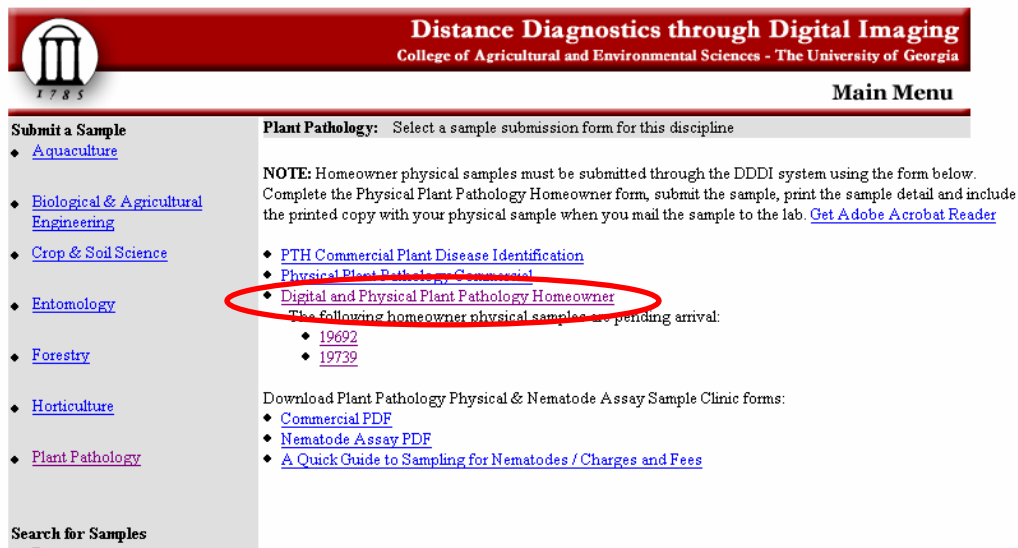
**HOMEOWNER PLANT DISEASE CLINIC REPORT**

Holly Thornton, Homeowner IPM Specialist

Happy New Year folks! As we begin 2007, I would like to remind everyone that the Homeowner Plant Disease Digital (Image) system is once again accessible through the DDDI homepage ([www.dddi.org/uga/](http://www.dddi.org/uga/)). To submit Homeowner samples (physical or digital), you will need to click on the option circled below in red. This is the electronic form to use for BOTH physical and digital Homeowner plant disease samples. Navigating through the submission process online should be relatively harmless. Once past the general client information screen, you will be given an option to choose one of the following choices:

- Digital Only
- Physical Only
- Digital and Physical

If the sample is an image, choose 'Digital'. Fill in the required information and attach your pictures as was done in the past. Be sure to preview your images to ensure you are uploading the correct ones and that they are in focus. Please feel free to contact me at any time during the process if there is confusion or general questions.



**Distance Diagnostics through Digital Imaging**  
College of Agricultural and Environmental Sciences - The University of Georgia

**Main Menu**

**Submit a Sample**

- [Aquaculture](#)
- [Biological & Agricultural Engineering](#)
- [Crop & Soil Science](#)
- [Entomology](#)
- [Forestry](#)
- [Horticulture](#)
- [Plant Pathology](#)

**Plant Pathology:** Select a sample submission form for this discipline

**NOTE:** Homeowner physical samples must be submitted through the DDDI system using the form below. Complete the Physical Plant Pathology Homeowner form, submit the sample, print the sample detail and include the printed copy with your physical sample when you mail the sample to the lab. [Get Adobe Acrobat Reader](#)

- [PTH Commercial Plant Disease Identification](#)
- [Physical Plant Pathology Commercial](#)
- [Digital and Physical Plant Pathology Homeowner](#)

The following homeowner physical samples are pending arrival:

- [19692](#)
- [19739](#)

Download Plant Pathology Physical & Nematode Assay Sample Clinic forms:

- [Commercial PDF](#)
- [Nematode Assay PDF](#)
- [A Quick Guide to Sampling for Nematodes / Charges and Fees](#)

**Search for Samples**

Below you will find the usual table of plant disease samples received from mid-December until mid-January, including the county from which they were sent. For January, I have decided to include a list of valuable references (26 references). It was recently brought to my attention that some feel there is not adequate information and/or resources available to make accurate diagnoses within county offices. The list is in alphabetical order beginning with the first word in the title of the article. I have included links which can take you directly to the PDF/HTML for the appropriate article.

County	Plant	Common Name of Disease (Pathogen)
Brantley	Oat	No disease – cold damage
Cobb	Pansy	Pythium crown & rot ( <i>Pythium</i> spp.)
DeKalb	Magnolia	Algal leaf spot ( <i>Cephaleuros virescens</i> )
Rockdale	Sugar Maple	Tar spot ( <i>Rhytisma acerinum</i> )
Wilkes	English Boxwood	No disease – cultural/site related (irrigation)

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## **CAES REFERENCES:**

- 1) Abiotic Injuries and Disorders of Turfgrasses in Georgia.  
 Alfredo Martinez, Lee Burpee, and Clint Waltz  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1258.pdf> - This article is very helpful in distinguishing between biotic (living) and abiotic (non-living) problems that occur on turf. There are numerous pictures and descriptions of the range of environmental problems that can occur on turf and a summary table at the end.
  
- 2) Cane Blight of Blackberry.  
 Phil Brannen and Gerard Krewer  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/C894.pdf> - This article discusses one of the major diseases of blackberry in the Southeast – cane blight. There are images of the disease on blackberry and the disease organism – *Leptosphaeria coniothyrium*. The article also includes management options.
  
- 3) Common Landscape Diseases in Georgia.  
 Alfredo Martinez and Jean Williams-Woodward  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1238.pdf> - Includes images and descriptions of common diseases in the landscape.
  
- 4) Common Tomato Diseases in Georgia.  
 Mila Pearce  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1285.pdf> - Discusses the 8 major diseases that occur on tomatoes here in Georgia. Images are included.

- 5) Disease Control in the Home Vegetable Garden.  
David Langston and Taft Eaker  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/C862.pdf> - Discusses disease management in terms of sound cultural practices in the home vegetable garden (no images are included).
- 6) Dogwood Diseases and Problems.  
Ed Brown II and Kim Coder  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/L36.pdf> - Discusses the most common diseases of Dogwoods, including images of the diseases. Also discusses cultural problems that can occur.
- 7) Fireblight: Symptoms, Causes, & Treatment.  
Alfredo Martinez and Mila Pearce  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/C871.pdf> - A brief summary of the fireblight pathogen, *Erwinia amylovora*. This article includes disease management options.
- 8) Fusiform Rust on Pines.  
Ed Brown II and Kim Coder  
<http://pubs.caes.uga.edu/caespubs/pubcd/C440.htm> - Discusses in detail this common disease on pines. Images are included (black and white).
- 9) Geranium Diseases.  
Alfredo Martinez and James Buck  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/C863.pdf> - Discusses identification and control of the various diseases of geraniums in both landscape and indoor settings, includes some great images.
- 10) Guide for Interpreting Nematode Assay Results.  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/C834.pdf> - Discusses optimum time for sampling for nematodes for particular crops, interpreting assay results for particular crops, and various comments for each crop (includes management options, resistant varieties, and cultural options).
- 11) Guide to Turfgrass Fungicides.  
Alfredo Martinez, Lee Burpee, and Tom Allen  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1316.pdf> - Discusses common turfgrass diseases and the chemical controls for them.
- 12) Key to Diseases of Oaks in the Landscape.  
Mila Pearce and Jean Williams-Woodward

- <http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1286.pdf> - Guide to identifying various diseases of oaks, includes color pictures of the various diseases and control options.
- 13) Key to Diseases of Pines in the Landscape.  
Tom Allen, Jean Williams-Woodward, and Mila Pearce  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1284.pdf> - Guide to identifying various diseases (biotic and abiotic) of pines in the landscape, includes color pictures of the various diseases.
- 14) Pansy Diseases in the Landscape.  
Mila Pearce  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1281.pdf> - Discusses 5 major diseases of pansies and management options for each, includes various color pictures of symptomatic plants.
- 15) Pesticide Safety for the Homeowner.  
Keith Delaplane  
<http://pubs.caes.uga.edu/caespubs/pubcd/L430.htm> - Homeowner guide to pesticide safety.
- 16) Plant Susceptibility to Major Nematodes in Georgia  
<http://pubs.caes.uga.edu/caespubs/pubcd/B904.htm> - Discusses field crops and their susceptibility to particular nematodes and the different kinds of nematodes that are present in Georgia.
- 17) Rose Diseases in the Landscape.  
Mila Pearce  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1280.pdf> - Describes the symptoms and management options for 7 major diseases of rose.
- 18) Sanitation Measures for Limiting Diseases in the Home Orchard.  
Taft Eaker  
<http://pubs.caes.uga.edu/caespubs/pubcd/C856.htm> - Describes common diseases seen in the home orchard and management options for each.
- 19) Simplified Fungal Identification Key.  
Jean Williams-Woodward  
<http://www.plant.uga.edu/Extension/pubs/fungikey.pdf> - This is a key designed to help identify common fungal pathogens based on their microscopic characteristics.
- 20) A Simplified Technique for Recovering *Pythium* and *Phytophthora* from Infected Plant Tissue.  
Jason Brock and Glenn Beard

- <http://pubs.caes.uga.edu/caespubs/pubs/PDF/MP-104.pdf> - Describes how to make a quick and accurate diagnosis of the water molds (*Pythium* and *Phytophthora*), which are diseases of various plants in Georgia.
- 21) The Truth about Slime Molds, Spanish Moss, Lichens and Mistletoe.  
Mila Pearce  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/B999.pdf> - Discusses general characteristics of each and management options.
- 22) Turfgrass Diseases in Georgia.  
Alfredo Martinez, Mila Pearce, and Lee Burpee  
<http://pubs.caes.uga.edu/caespubs/pubs/PDF/B1233.pdf> - An extensive key for diagnosing various turfgrass diseases includes several color images of the symptomatic tissue and disease organisms. The article also discussed management tips for each disease.
- 23) Turfgrass Diseases: A Quick Reference Guide  
Alfredo Martinez and Lee Burpee  
<http://pubs.caes.uga.edu/caespubs/pubs/pdf/C891.pdf> - A fact sheet of the various turfgrass diseases and management options.

### **Additional Helpful Resources:**

- 24) Extension Plant Pathology Library  
<http://www.plant.uga.edu/Extension/plantlib.htm> - Our site contains useful information regarding various crops/plants (includes field crops, fruit & nuts, turf, vegetables, and woody ornamentals & flowers).
- 25) University of Maryland Cooperative Extension – Home and Garden Information Center - <http://www.hgic.umd.edu> – Within this site, there is a 'Plant Diagnostic Web Site' that I find very helpful in regards to plant disease diagnostics. The site is interactive – you can choose a particular plant (houseplant, lawn, vegetable, ground cover, etc.), a plant part (leaves, stem, flower, etc.), and lastly, there are several drop-down boxes that allow you to view images of different biotic and abiotic disease problems.
- 26) Invasive Species - [www.invasive.org](http://www.invasive.org) – This site contains hundreds of images of various plant diseases symptoms and organisms.

We are working to produce additional references that can be used in county offices as diagnostic resources to help identify and manage plant diseases that occur in home landscapes throughout the state.