Plant Pathology Final Exam Study Guide

The final exam will consist of approximately 100 questions. The questions will be multiple choice and true false. Some of the questions will involve specimens or photographs. At least 85% of the questions will be about material covered since the midterm.

To prepare for the final I recommend you study the following material from the handouts and also available on http://www.dunnam.net/triton/pathology

The first two PowerPoint presentations-

**Plant Pathology Introduction**
**Plant Pathology Terms and Definitions**

From these first two presentations you will want to know the definitions of-

- Disease
- Pathogens
- Vectors
- Hosts
- The disease triangle
- Alternate hosts
- Symptoms
- Signs
- Causal agents
- Infection

The presentations since the midterm

**Bacterial Diseases Part 2**
**Viral Diseases**
**Abiotic Diseases**
**Nematode Diseases**
**Parasitic Plant Diseases**

From these presentations you will want to know

- What is a bacteria
- What is a virus
- What is an abiotic disease
- What is a nematode
- What are parasitic plants
You will also want to know the basic method of infection of each of the following types of pathogens

- Bacteria
- Viruses
- Nematodes
- Parasitic Plants

For those same pathogens you should know-

- What are the general cultural controls
- Are effective chemical controls available
- What are the general symptoms of infection

You should be familiar with the diseases covered in each presentation (there really aren’t that many, most of the diseases were in the fungal group and in the first bacterial presentation). You should know whether a particular disease is bacterial, viral, caused by nematodes, abiotic or caused by parasitic plants.

Example question-

Crown gall is a ______________ disease.

A- Bacterial
B- Viral
C- Nematode
D- Abiotic
E- None of the above

(The answer is A- Bacterial.)

There will be a group of questions where you will have to view either a specimen or a photograph and then answer questions about the specimen or photograph. Photographs are likely to come directly from the PowerPoint presentations so viewing those photos online in color is recommended.

Examples of typical questions might be-

- Does the photograph shows a sign or symptom
- What is the sign or symptom shown
- What disease is causing the symptoms or signs

Finally I will try to include some extra-credit questions. The extra-credit questions may be from before the midterm and may be about things not specifically covered in the presentations.