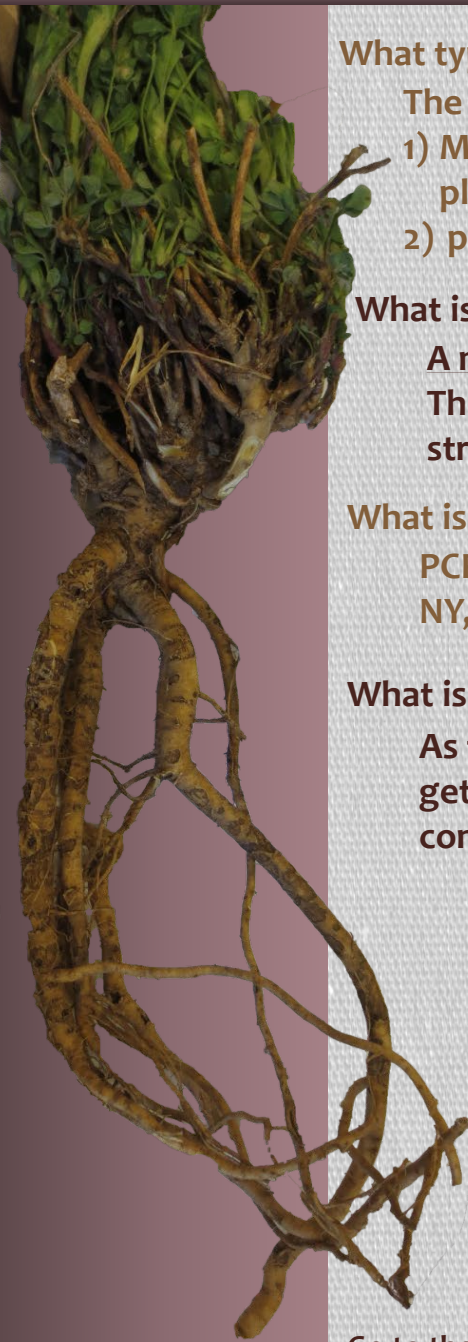




Brown Root Rot of Alfalfa

Suspect Sample Submission Guidelines

The Cornell University, Plant Disease Diagnostic Clinic (CU-PDDC) now offers a more sensitive molecular test for the brown root rot pathogen, *Phoma sclerotioides*.



What type of testing is available for the brown root rot pathogen?

The Clinic offers two types of testing,

- 1) Molecular PCR analysis that directly uses suspect, infected plant tissue in a DNA amplification procedure and
- 2) plant tissue isolation on growth media

What is the benefit of the more recently available molecular test?

A much faster result... the PCR uses symptomatic plant tissue. The isolation method may take months to produce the structures needed for identification.

What is the fee for testing?

PCR only is \$80 & PCR with culturing is \$100 for residents of NY, the fee for out of state samples is an additional \$40

What is included in the ideal sample submission?

As they say with computer data, if you put garbage in... you get garbage out. Submitting a quality sample will give you confident, accurate answers!

- Select and collect a few whole plants expressing various stages of the symptoms but not dead material
- Send your samples quickly and when possible, ship in a cooler with ice packs so it arrives to us looking like what you collected in the field
- If unsure, contact us... we are here to help you get the answers you need, as quickly as possible!

Go to the CU-PDDC website, plantclinic.cornell.edu, for our sample submission form, instructions for sample collection and other plant disease information. The Clinic's mailing address is Plant Disease Diagnostic Clinic, Cornell University, 329 Plant Science Bldg., Ithaca, NY 14853, email: cornell-plantdiseaseclinic@cornell.edu or call 607-255-7850

