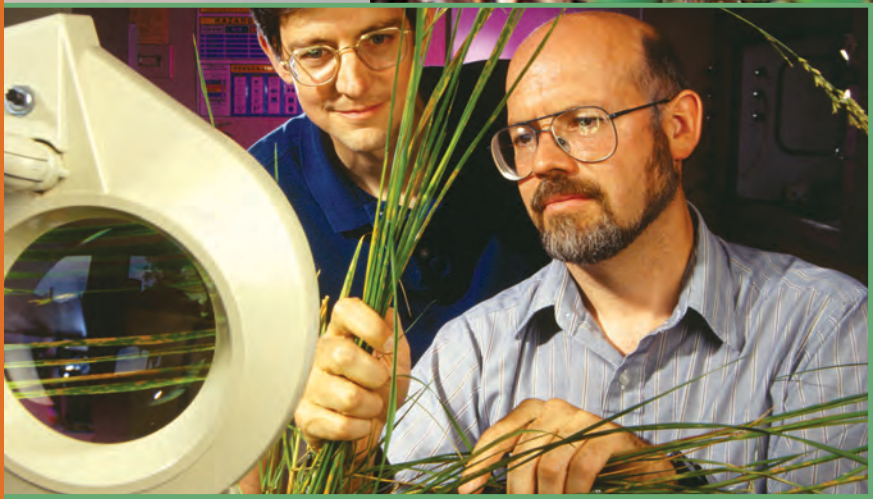


PLANT

PATHOLOGIST





PLANT PATHOLOGIST

<http://www.fusiongrant.org/educational.php>

Description:

A plant pathologist determines the cause of disease and decay in plants and plant products resulting from fungi, bacteria, viruses and other related organisms, and establishes the best control practices for managing plant disease. Activities range from conducting field surveys to conducting studies on the function of genes that regulate resistance to disease in plants.

Median Wage (as of 2005):

\$64,570

Level of Education:

M.S. (required), Ph.D. (recommended)

Examples of Colleges & Affiliated Programs:

Cornell University – Plant Science; Crop and Soil Sciences; Entomology; Natural Resources; Science of Earth Systems; Biological Systems

Keuka College – Biology; Biochemistry

Morrisville State College (SUNY) – Horticulture; Natural Resources Conservation

SUNY Cobleskill – Floriculture; Horticulture; Environmental Studies

Most State Land Grant Universities (e.g. North Carolina State University, Penn State University, University of California)

Employers:

Integrated Pest Management Companies

Consulting Firms

Federal and State Governments – New York State Department of Agriculture & Markets, Department of Environmental Conservation

Private Sector – Seneca Foods; BirdsEye Foods, Inc.; Wegmans Food Markets, Inc.; Monsanto; Syngenta; SeedWay; Agway, Inc.; etc.

Colleges & Universities – Cornell University; Penn State University; New York State Agricultural Experiment Station

High School/College Courses to Take:

Computer Science

Oral and Written Communication

Calculus, Statistics, Biometry

Biology, Chemistry, Biochemistry, Plant Science, Environmental Sciences, Crop and Soil Sciences, Entomology, Weed Science, Plant Pathology, Ecology, Botany, Animal Science, Microbiology



Cornell University