

PestSmart Diagnostics elearning

PestSmart: Diagnostics uses CABI expertise in plant health and diseases to provide a suite of educational and practical tools that teach recognition of the symptoms of major pathogen and pest groups and relate them to various causes. Consisting of 3 complementary elements, the package helps plant health professionals and students to develop and improve their knowledge through practical, independent learning. Containing high-resolution images, case studies and knowledge checks, the eLearning package comprises 3 elements that work together to reinforce learning and enable diagnosis of key crop problems.

Background and aims of the project

The *PestSmart: Diagnostics* package builds on CABI's knowledge and experience in plant health diagnostic services, focussing specifically on the skills and methodologies required for field-based diagnosis. The material that forms this package is derived from CABI's flagship programme, *Plantwise*, which takes a holistic country-level approach to pest diagnostics and management advice through national extension services. By digitising *Plantwise* material and providing a range of learning and practice tools in the *PestSmart: Diagnostics* package, we aim to help plant health professionals and students to develop and improve their knowledge through practical, independent learning.

There are 3 elements to the *PestSmart: Diagnostics* package:

eLearning Course

The *PestSmart: Diagnostic eLearning* course guides learners through identifying symptoms and causes of both biotic and abiotic plant health problems, and introduces a methodology for field-based diagnosis. The course consists of 15 hours of online training. There are 5 modules consisting of: symptoms, insects and mites, causes, nutrient deficiencies and diagnostics. Each module is broken up into lessons lasting approximately 30 minutes. The eLearning course can be integrated into your LMS, or accessed via the web.

Diagnostic Field Guide

The first step to identifying possible solutions to a plant health problem is understanding the problem correctly. CABI's *PestSmart Diagnostic Field Guide* is an eBook that supports diagnostic decisions by showing relationships between common symptoms on plants and the various possible causes.

Diagnostic Simulator App

The *PestSmart Diagnostic Simulator* is a fun and interactive tool to test student learning on plant diagnosis. Carry out the methodology learned through the eLearning course, with support from the Field Guide eBook, to reach a diagnosis of a plant health problem on a range of crops.

This app is available for Android devices only, through the Google Play store.



Launching September 2018

Contact us for a demo: sales@cabi.org

www.cabi.org/elearning/pestsmart

