

Phytophthora spp.

field diagnosis



The genus *Phytophthora* contains a number of important plant pathogens capable of causing serious consequences in crop and amenity plants.

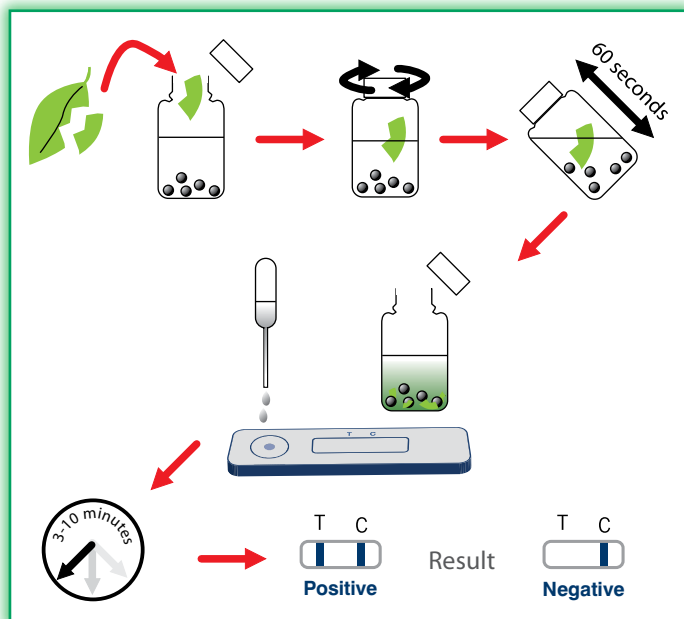
- **Common name:** potato late blight, strawberry crown rot and root rot, ramorum blight, sudden oak death.
- **Symptoms:** variable including root/crown rotting, damping off, stem base decay, lesions and cankers, leaf, tuber and flower blight, corm and fruit rot.
- **Host range:** very wide, depending on species of *Phytophthora*.
- **Test specificity:** all species of the genus *Phytophthora*.
- **Test format:** lateral flow test in plastic cassette.

Designed for on-site use

All Pocket Diagnostic kits put disease diagnosis in the hands of growers, consultants and inspectors.

Sampling and testing can be carried out in a few minutes in the field or glasshouse. Pocket Diagnostic kits use a unique 'ball and bottle' extraction method which optimises separation of the pathogen from the plant tissues in no more than 60 seconds.

Results appear in the viewing window of the test device approximately 5 minutes after starting the test. The result is easy to read, allowing the user to make simple 'yes/no' interpretation.



strawberry. Samples for testing can be taken from all parts of the plant.

Storage and shelf life

Pocket Diagnostic kits should be stored at room temperature (up to 40°C). Tests are supplied with at least a 9 month shelf life.

Quality standards

Pocket Diagnostic tests are manufactured under conditions which meet ISO9001 quality standards. Production and packaging are carried out in environmentally-controlled facilities, using the latest in automated manufacturing equipment.

Test kit packs

Phytophthora tests are supplied in boxes of four. Each box contains 4 test devices, 4 extraction bottles, 4 pipettes and full instructions. Test devices are individually foil packaged, ensuring that quality of unused tests is not compromised. Pocket Diagnostic kits contain everything necessary to carry out testing.

Use of the *Phytophthora* test

The *Phytophthora* test is designed to be used in the field or on the nursery, and can be used by operators with little or no training. Pocket Diagnostic test results form an important part of the information mix required for sound decision making in routine screening or disease control situations.

The *Phytophthora* Pocket Diagnostic test kit is used widely across the horticultural industry and by statutory authorities for the detection of the pathogen. Samples can be screened effectively using the on-site test, and where necessary, positive results confirmed by laboratory analysis.

The test can be used with woody material, for example to detect *Phytophthora spp.* in trees, or with herbaceous material such as

Further information and ordering

For more information about the full range of Pocket Diagnostic kits, including prices, please visit www.pocketdiagnostic.com or contact us via +44 (0)1904 462600 or pocketdiagnostic@forsitediagnostics.com

Pocket Diagnostic kits can be ordered online via www.pocketdiagnostic.com or are available through our international network of distributors (full details on our website).