

Xanthomonas hortorum pv. pelargonii

field diagnosis

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DIAGNOSTIC



Xanthomonas hortorum pv. *pelargonii* is a widespread and damaging pathogen of zonal, regal and ivy-leaved pelargoniums.

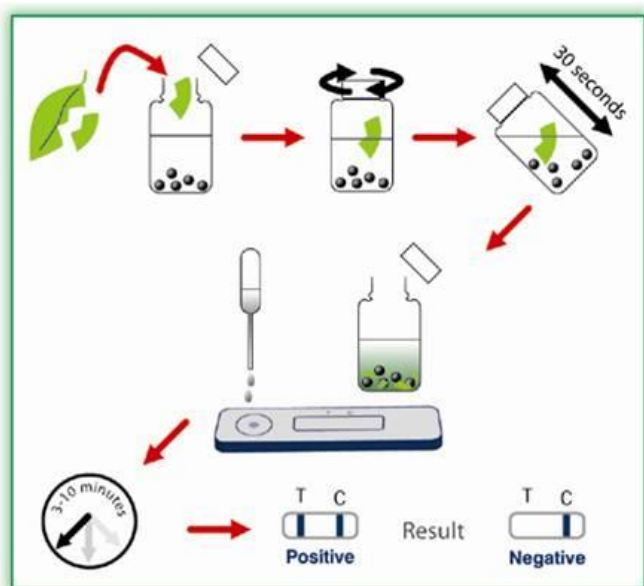
- **Synonym:** *Xanthomonas campestris* pv. *pelargonii*.
- **Common name:** Pelargonium leaf spot.
- **Symptoms:** wilting of the plants, together with spots or blisters on leaves and stems. Spots begin as green, water-soaked lesions, often with a yellowish halo, which become reddish and necrotic. The pathogen is spread by infected cuttings and contaminated tools, or by water splashes on the lesions.
- **Host range:** *Pelargonium* and *Geranium* species.
- **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.



Use of the *Xanthomonas* test

The *Xanthomonas hortorum* pv. *pelargonii* test is designed to be used in the field or glasshouse, 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 Pocket Diagnostic test kit is used widely in the ornamentals industry for the detection of the pathogen in crops. Testing is usually carried out on symptomatic plants where the disease is suspected. Samples for testing can be taken from any part of the plant, at any stage during the production cycle.

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

Xanthomonas tests are supplied in boxes of four. Each box contains 4 test devices, 4 extraction bottles, 4 pipettes and full instructions. Test devices are packed in individual foil pouches, meaning that there is no loss of quality once the outer box is opened. Pocket Diagnostic kits contain everything necessary to carry out testing.

Further information and ordering

For further information, price list and order form visit www.pocketdiagnostickits.com.au or contact John McDonald, Industry Development Manager, email: nido@ngiq.asn.au or phone 07 3277 7900

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