

Background

An ongoing resistance monitoring programme has identified Psa strains showing resistance and/or tolerance to Psa protectant spray products. It is important to limit the spread of these new genetically distinct strains of Psa and their impact on kiwifruit productivity. The concern is due to the potential impact new strains may have on new or existing kiwifruit cultivars. KVH runs an ongoing monitoring and testing programme to identify any new strains of Psa that may be present.

Scope

Orchard strategies should aim to reduce the risk of any resistance/tolerance to a Psa protectant spray developing, and to minimise the build-up and spread of resistant and/or tolerant populations when present. Regular monitoring and reporting when there is evidence spraying is not providing Psa control, will assist in early identification.

Once an orchard has been identified with another strain of Psa strict hygiene and movement controls will assist in reducing spread both within the orchard or to other orchards.

Requirements

Reporting

Growers should contact KVH if they identify:

- any unusual Psa-like symptoms; **or**
- unacceptably high levels of Psa symptoms despite spray treatments.

KVH will organise samples and have them tested to identify any new Psa strains. If a new or alternative strain of Psa has been confirmed by KVH, the following should be adhered to:

1. Movement restrictions

No plant material is to be moved off the orchard. This includes:

- Budwood
- Flowers for pollen milling
- Rootstock/plants
- Kiwifruit wood for firewood
- Kiwifruit vines or prunings
- Seedlings and seeds for propagation

2. Hygiene

Ensure strict orchard hygiene measures are in place:

- Visitors/orchard workers/contractors to remove all plant material from clothing and sanitise hands and footwear before leaving the orchard.
- Sanitise tools between vines
- Remove and dispose of infected material by burning or burying on site.
- Restrict vehicle movement into the orchard to essential vehicles only
- Clear all vehicles leaving the orchard of plant material and sanitise if going to another orchard.

Implement best practice harvest hygiene practices:

- Take steps to minimise plant debris entering the bins during harvest
- Check full bins before transporting to the packhouse and remove obvious plant material.
- Clear all harvest equipment including picking bags of plant material. Sanitise before use on another orchard.

3. Additional requirements

- Implement any additional requirements advised by KVH – e.g. crop protection product choice, orchard monitoring etc.

4. Update Orchard Biosecurity Orchard Management Plan

- To include all requirements above

Also refer to: [KVH Best Practice Advice: Managing resistance/tolerance to Psa control products.](#)

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