



# KVH PROTOCOL

## Mandatory Monitoring

The key to good orchard management is the ability to make the right decision at the right time. Growers of all kiwifruit varieties are required to have a [Psa-V Orchard Management Plan](#) that includes an effective monitoring plan for the early detection of Psa-V symptoms. Frequent orchard monitoring will ensure any infection is detected as early as possible. Early detection and early intervention is the most effective method for controlling, or minimising, the impact of Psa-V. Orchardists are strongly encouraged to monitor regularly and report their findings to their packhouse Psa manager or directly to [KVH](#) if not associated with a packhouse.

### Scope

This protocol provides information on the mandatory orchard monitoring and reporting requirements as part of the [National Pest Management Plan](#).

## NPMP Requirements

### Regional monitoring

As part of the National Psa-V Pest Management Plan (NPMP), orchards are required to be monitored at times of the year when detection of Psa-V is most likely. Requirements for the **2017 year** are outlined below.

	Exclusion regions	Containment regions	Recovery regions
Focus of monitoring	The focus of monitoring in an 'exclusion' region will be on confirming the presence or absence of Psa-V, to prove on-going freedom and enable early detection and rapid response.	The focus of monitoring in a 'containment' region will be on early detection of Psa-V (confirming presence or absence), establishing accurate and appropriate containment boundaries (buffers), and on measuring the effectiveness of management actions and the overall containment strategy.	The focus of monitoring in a 'recovery' region will be on understanding the progress (disease progression or regression, how different varieties tolerate Psa-V and perform, impacts on production etc.) within recovery regions.
Monitoring requirements for <b>2017</b>	For all orchards *  One round: <ul style="list-style-type: none"> <li>between 15 September and 15 October (reporting by 31 October)</li> </ul>	All Not Detected orchards One round: <ul style="list-style-type: none"> <li>between 15 September and 15 October (reporting by 31 October)</li> </ul>	Not-detected orchards  One round: <ul style="list-style-type: none"> <li>between 15 September and 15 October (reporting by 31 October)</li> </ul>
		Psa-V positive orchards Growers with Psa-V positive orchards are expected to carry out regular monitoring to identify and remove infection. Reporting to KVH is not required.	

- Refer to the KVH website for maps and status of each region [www.kvh.org.nz/maps\\_regional](http://www.kvh.org.nz/maps_regional).

## Additional requirements

### \* Controlled area notices:

There is a controlled area notice currently in place for Whangarei  
Growers within the controlled area have additional monitoring requirements.

Four monitoring rounds are required with reporting to KVH via the [online form](#) on the following dates:  
6<sup>th</sup> October, 27<sup>th</sup> October; 10<sup>th</sup> November; 1<sup>st</sup> December.

## Method

### Monitoring process

Each vine should be checked for symptoms. Refer to [KVH Best Practice: Monitoring](#) for further information on symptom identification.

### Reporting

- An [online form](#) is available for reporting for each monitoring round.
- For those growers who are unable to complete their results online phone KVH on 0800 665 825 to report monitoring results.
- Monitoring information for each round needs to be received by KVH by the due date as detailed in the table above.

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