**Psa-V Orchard Management Plan**

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| **KPIN** | **Orchard Address** | **Orchard Manager** | **Packhouse** | **Orchard** **Psa-V Status** | **Regional Psa-V Status\*** | **Plan prepared by** |
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 \* refer to Maps and Stats on KVH website

***NOTE: Questions marked with an asterisk (\*) are mandatory. Others are recommended best practice.***

1. **The orchard hygiene practices implemented on this KPIN to reduce the risk of Psa-V entering or spreading within or from the orchard are (select all that apply):**

☐ Psa-V risk management signage displayed at property boundaries with orchard contact details listed.

☐ Essential vehicles only enter the orchards.

☐ All other vehicles park in a designated parking area away from the orchard canopy.

☐ All visitors and staff are aware of the orchard hygiene requirements including entry and exit from the orchard.

☐ Orchard has a designated wash-down area for vehicles, staff and equipment.

☐ Vehicles and equipment are cleared of plant material and sanitised upon entry to the orchard.

☐ Vehicles and equipment are cleared of plant material and sanitised upon exit from the orchard.

☐ Workers and visitors ensure clothing, footwear, and headwear is clean and free of soil and plant material; and hands and footwear are sanitised appropriately.

☐ All tools are sanitised before, during and after use with a product with proven efficacy against Psa-V.

[ ] **\*** All infected plant material is disposed of as per [KVH protocols](file:///%5C%5Ckvhserver%5Ckvh%24%5Ccompany%20data%5CCommunications%5CAA%20Web%20documents%20and%20factsheets%5C02%20-%20Orchard%20Management%5CKVH%20protocols). <http://www.kvh.org.nz/KVH_Protocols>

Other:

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1. **The following hygiene equipment will be supplied for use by all people entering and leaving the orchard (select all that apply):**

☐ A sanitiser with proven efficacy against Psa-V in a sprayer or footbath

☐ A hose

☐ Brushes

☐ Hand sanitiser

☐ A rubbish bin

☐ Coveralls

☐ Hairnets

☐ Booties

Other:

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1. \***At least one of the crop protection products listed in the** [**KVH Product List**](http://www.kvh.org.nz/spray_products) **(**[**http://www.kvh.org.nz/spray\_info**](http://www.kvh.org.nz/spray_info)**) will be applied at appropriate rates and use periods to protect kiwifruit plants from Psa-V and to manage the impacts of Psa-V.**

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| **Coppers:**☐Nordox 75WG☐Kocide Opti☐Coptyzin[ ] Tri-Base Blue[ ] Hortcare Copper Hydroxide 300[ ] ChampION | **Elicitors:**☐Actigard | **Other:**☐Other approved products (e.g. KeyStrepto, Kasumin, Aureo Gold , Botry-ZEN, KiwiVax, Ambitious) **List ‘other’ products:** |

*Note: only products that have shown efficacy against Psa-V and currently hold ACVM registration for Psa-V are listed. As further products become ACVM registered against Psa-V, they will be added to the above list.*

1. **The following Psa-V monitoring programme will be implemented:**

**a)** Orchard Monitoring Plan: A regular programme is in place. This takes into consideration vine age, variety and seasonal risk.

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| Variety | Monitoring team e.g. packhouse | Monitoring pattern e.g. every row | Monitoring interval by season |
| Springe.g. weekly | Summer | Autumn | Winter |
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Comments (e.g. other monitoring strategies and/or symptom marking):

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**b) \*** [Mandatory monitoring and reporting to KVH](http://www.kvh.org.nz/monitoring_plan) (<http://www.kvh.org.nz/monitoring>)

☐ **Exclusion and Containment Regions (All Not Detected orchards)**

**Requirement: One round completed between 15 September and 15 October (Reporting by 31 October).**

[ ]  Records will be sent to KVH.

☐ **Recovery** **Regions (All Not Detected orchards)**

**Requirement: One round completed between 15 September and 15 October (Reporting by 31 October)**

[ ]  Records will be sent to KVH as required

**Note**-Growers with Psa-V positive orchards are expected to carry out regular monitoring to identify and remove infection. Reporting to KVH is not required.

[ ]  **Controlled Areas**

[ ] Monitoring completed and records sent as per KVH instructions.

1. **The following orchard management practices will be applied:**

☐∗The majority of commercially-viable kiwifruit is harvested by 1 July each year.

☐∗Vines are winter pruned and tied down before 1 October each year.

☐∗Infected, dead material is managed as per KVH best practice.

☐∗Infected material is disposed of as per [KVH protocols.](https://kvh.org.nz/growers/orchard-management/managing-infected-material)

☐∗Where plant material is introduced to the orchard (i.e. budwood, pollen, nursery stock), the source of that plant material and where it is used on the orchard are recorded.

[ ] \*Pollen is collected and supplied as per [KVH protocols](https://kvh.org.nz/protocols-movement-controls/bees-and-pollen)

☐∗Psa-V infected material will not be moved from Psa-V infected orchards.

Other:

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1. **\* Budwood**

☐ No budwood is moved off this orchard

☐ Budwood is supplied off my orchard to another KPIN, that I own in the same Psa region.

☐ I have read and followed the requirements in KVH Protocol: Budwood <http://www.kvh.org.nz/KVH_Protocols>

1. **\* Nursery Stock**

☐ No nursery stock is moved off this orchard

☐ Seeds, seedlings, rootstock or plants are moved from my orchard to another KPIN, that I own in the same Psa region and I have registered with KVH for [“Grow for Own Use](https://kvh.org.nz/protocols-movement-controls/nurseries)”

☐ I have read and followed all KVH requirements for [nursery stock](https://kvh.org.nz/protocols-movement-controls/nurseries)

☐ Nursery stock is sourced from KPCS nurseries and the nursery dispatch record is on file with GAP records.

1. **Not Detected orchards only**

☐ Notify KVH, or packhouse within 48 hours of identifying Psa-V symptoms

☐ Work with KVH, or the packhouse to arrange for a sample to be collected for testing

1. **Controlled Areas only**

☐ If Psa-V is confirmed within the orchard or region for the first time, work with KVH and follow any Controlled Area notice requirements including:

☐ Not moving any risk items out of the area or between orchards until further notice such as:

* Kiwifruit plant material including budwood, pollen and nursery stock
* Beehives
* Orchard infrastructure
* Orchard equipment
* Reject fruit

☐ Putting in place strict orchard entry protocols covering movements onto and off the orchard

☐ Spraying a crop protection product from the [KVH product list](http://www.kvh.org.nz/spray_products) **(**[**http://www.kvh.org.nz/spray\_info**](http://www.kvh.org.nz/spray_info)**)** as soon as practicable.

☐ Ensure all vines on the orchard are checked for Psa-V symptoms as soon as possible.

☐ Ongoing monitoring completed and reported as per KVH instructions.