

Hawkes Bay Controlled Area Protocols

What you need to do to assist with aggressive containment of Psa-V infection

KVH has defined a controlled area around the centre of infection (see map appended) to which movement restrictions apply. All Growers within the controlled area should put in place orchard hygiene and crop protection, and should monitor the situation on their orchard and report any suspected Psa-V symptoms to KVH (0800 665 825). These are explained below.

Movement restrictions

No risk items that could spread Psa-V should be taken out of the controlled area, or moved between orchards within the controlled area, until further notice. This includes:

- kiwifruit vine material (including compost containing kiwifruit material);
- budwood or rootstock;
- orchard infrastructure;
- potentially contaminated orchard equipment (all equipment must be decontaminated—see ‘hygiene’ below); and
- reject fruit.

Beehives should not be moved off properties within the controlled area wherever possible. Where movements are essential beehives should be relocated to sites at least 5km from the nearest kiwifruit orchard.

No pollen sourced from orchards within the controlled area should be moved until further notice. Pollen owners in this situation should notify KVH.

Where there are exceptional circumstances these should be discussed with the KVH Regional Coordinator.

Hygiene

All Growers within the controlled area should put in place strict orchard entry protocols covering all movements (e.g., movements of vehicles, trailers, orchard equipment, people etc.) and should strengthen orchard hygiene.

Information that explains how to manage effective orchard entry and hygiene are available on the KVH website at:

- <http://www.kvh.org.nz/hygiene>

Strengthened hygiene is also strongly recommended for other Growers in the wider Hawkes Bay region.

Crop protection

All Growers within the controlled area should apply an effective crop protection product as soon as possible, if one has not been applied within the last seven days.

Information on effective products and application of these is available on the KVH website at:

- http://www.kvh.org.nz/spray_information
- http://www.kvh.org.nz/seasonal_advice

KVH strongly recommends the use of an adjuvant with coppers applied pre-flowering. Research has clearly demonstrated that coppers applied with an adjuvant provide the best protection for your crop.

Post-flowering the use of adjuvants is NOT recommended. Suitable products are available for both organic and other orchards. KVH recommends application of one of the following coppers:

Establish a clear plan for your orchard

All orchardists should work with their pack-house Psa-V manager to put in place a simple *Psa-V Orchard Management Plan* that covers their approach to orchard hygiene, crop protection, monitoring and reporting.

Contact your pack-house Psa-V manager for assistance with developing your plan.

A model plan is available on the KVH website.

Coppers	Rate/100l **	Du-Wett® Compatible *
Kocide Opti®	70-90g	Yes
Champ® DP	50-80g	Yes
Liquicop®	200-250ml	No
Nordox 75G® *	25-37.5g	Yes

* BioGrow registered

** For dilute spraying typically apply 600-1000l/ha through the budburst to flowering period. Adjust water rates to achieve good coverage. Adjust chemical rates for semi-concentrate sprays. Copper rates are based on trial results that have shown efficacy whilst minimising leaf damage.

Avoid any activities that create a wound on the vine (pruning, grafting etc.). If essential, complete these activities in dry weather periods and a protectant should be applied. Advice on best practice protection is available within the KVH *Seasonal Management Guide*.

- http://www.kvh.org.nz/seasonal_advice

Monitoring and reporting

All Growers within the controlled area should work with their pack-house Psa-V manager to check all vines on their orchard for Psa-V symptoms as soon as possible. KVH recommends that this monitoring then be repeated on a weekly basis until further notice.

Information on what to look for and how to go about monitoring is available on the KVH website at:

- <http://www.kvh.org.nz/monitoring>

Any potential symptoms should be immediately reported to KVH by calling 0800 665 825.

What KVH will be doing

KVH will be:

- Ensuring that all orchards within 4km of the centre of infection will be monitored to establish an accurate boundary around the incursion;
- following up any reports of suspected symptoms in the controlled area or other parts of the Hawkes Bay region;
- undertaking tracing to understand the potential source of Psa-V infection, and to identify any risk material that could have moved off the infected site. KVH will then follow up any such movements;
- undertaking risk analysis to identify the most effective response option going forward, and in doing so will work closely with the Hawkes Bay Regional Coordinator and individual Growers with infected properties; and
- continuing to provide up to date information and advice on what to do in person with Growers, through the Hawkes Bay Regional Coordinator, as well as on the KVH website.

For any further guidance or clarification on this protocol you can contact KVH on 0800 665 825.



Appendix – Hawkes Bay Controlled Area

12 October 2012

