

# KVH PROTOCOL



## Mature Plant Movements

### Background

The kiwifruit industry is undergoing rapid growth and some growers who have double or triple planted Gold3 vines to get quick canopy cover may consider removing some of these vines to increase footprint and optimise orchard performance. These plants may be used by growers of existing orchards wanting to plant on new licensed areas. This protocol is to manage risk of new forms of Psa and other biosecurity threats.

### Scope

This protocol applies to mature plants defined as those plants that are “*Actinidia plant species producing fruit in an orchard environment*”.

### Requirements

- Growers who choose this option must apply to KVH for permission- this will be reviewed on a case by case basis with the following risk factors being considered:
  - General health of the orchard the plants are moving from
  - Location of plants and proposed distance of movement
  - Association between the orchards the plants are moving to and from.
  - Reasons why mature plants are being sought as opposed to nursery plants.
- Growers wishing to move mature plants must notify KVH prior to moving any plants and while they still have suitable leaves for testing. In their written request for permission they must provide the following details:
  - Quantity and variety of plants to be moved.
  - Source and destination orchards.
  - Rootstock and graft wood source information.
  - Timing of movement.
- Applications must be received by KVH before the 31<sup>st</sup> March to be considered for movement each year. Email [info@kvh.org.nz](mailto:info@kvh.org.nz)
- Plants for movement must be identified and monitored monthly by the grower. Records to be maintained.
- KVH will independently monitor the plants which are to be moved and at the same time take leaf samples for testing. This will occur as close as possible to dispatch/movement and while leaves are still in good condition for testing (i.e. samples will generally be taken for testing in March/April for winter movements). Costs associated with the monitoring and sampling will be charged to the grower.
- Plants must be free of “new” or resistant strains of Psa. To determine this, leaf material must be tested using the KPCS nursery test which apart from testing for Psa includes testing for resistant strains (copper and streptomycin) and other Psa strains not yet present in New Zealand. The tested material will comprise 6 samples x 100 leaves collected by KVH from the plants to be moved. Testing (by Hill Laboratories) will also be charged to the grower moving the plants.
- Movement cannot occur from a positive orchard to a Not Detected orchard.
- Only plants that are symptom free at time of dispatch shall be moved.
- Plants are to be
  - lifted by ripping, roots shaken so very little soil is transferred (like a field nursery).
  - put in covered transport and moved and planted the same day (if possible).
  - sprayed with copper post planting within 7 days or weather conditions permitting
- KVH to be advised when these plants are ready to move so the process can be verified.

- Receiving grower to record where on their orchard these plants are planted (GAP requirement). Records to be maintained of all movements.
- KVH to be advised if any unusual symptoms are seen post-planting on any of the orchards involved in these movements. KVH reserve the right to take appropriate action if required.
- KVH may choose to monitor plants in the new location in Spring.
- KVH reserves the right to audit to ensure processes are followed and appropriate records have been maintained.

## Movement Controls

The following table summarises the status of mature plant movements, subject to meeting requirements above:

FROM: (Region where plants are located)	Within the same region	TO: another orchard (Destination Region of transplanted plants)		
		Recovery	Containment	Exclusion
Recovery	<i>Authorisation from KVH required</i>		PROHIBITED	PROHIBITED
Containment	PROHIBITED	<i>Authorisation from KVH required</i>	PROHIBITED	PROHIBITED
Exclusion	<i>Authorisation from KVH required*</i>	<i>Authorisation from KVH required</i>	<i>Authorisation from KVH required*</i>	PROHIBITED
Outside any region	<i>* Authorisation from KVH required</i>			

## \*Additional Requirements

### Controlled area notices:

There are controlled area notices currently in place for some sites outside the South Island Exclusion region to which movement restrictions apply. KVH Permission is required for movement of all risk items that move into or out of these controlled areas. For further information, refer to [www.kvh.org.nz/maps\\_regional](http://www.kvh.org.nz/maps_regional)

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