

CAV Contractors Biosecurity Plan



There is a high biosecurity risk associated with kiwifruit orchard contractors, who routinely move machinery, equipment, tools, people, kiwifruit plant material and compost within and between orchards.

Contractors who are registered with Zespri and hold a Compliance Assessment Verification (CAV) need to complete a Contractors Biosecurity Plan to keep on file with their CAV records for audit. This template is designed to be used to meet these requirements.

Contractor details	
Date:	
Contractor business name:	
Contact responsible:	
Contact phone:	
Contact email:	
Activities carried out (examples are Harvester; Spray Contractor; Vine Maintenance; Fertiliser Contractor)	
Kiwifruit region(s) of operation:	
Risks to be managed	
<p>Contractors need to identify which risks are relevant to them in their business and are required to put systems in place to manage them. Anything brought onto an orchard needs to be clean and free of plant material and soil. Any kiwifruit plant material brought on (e.g., budwood, pollen, plants etc) needs to be from a KPCS certified source. KVH maintains a list of sanitisers effective against a range of plant diseases.</p>	
Machinery	<input type="checkbox"/> Yes <input type="checkbox"/> No
People (clothing, footwear)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Tools	<input type="checkbox"/> Yes <input type="checkbox"/> No
Other equipment (name)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Kiwifruit plants	<input type="checkbox"/> Yes <input type="checkbox"/> No
Budwood	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pollen	<input type="checkbox"/> Yes <input type="checkbox"/> No
Shelter plants	<input type="checkbox"/> Yes <input type="checkbox"/> No
Compost	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> machinery free of soil and plant material before entering each orchard. <input type="checkbox"/> cleaned and sanitised ----- (specify frequency) <input type="checkbox"/> approved sanitiser used----- (specify)	

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People hygiene

It is important that people coming onto an orchard are not carrying soil and plant material which could carry and spread infection.

- clothing and footwear checked and is free of plant material
- other additional measures in place (e.g., footbath, sanitiser) and listed below:

Tools and other equipment

Tools and other equipment can spread infection from plant to plant and orchard to orchard so should be cleaned and sanitised to prevent this likelihood.

- tools free of soil and plant material before entering each orchard
- cleaned and sanitised
- approved sanitiser used (refer to [KVH good practice orchard hygiene advice](#) and the [list of sanitisers](#) for more information)

Biosecurity awareness

Contractors need to understand

- what biosecurity threats there are to kiwifruit orchards,
- best practice to avoid their spread,
- hygiene requirements,
- how to report the unusual,
- traceability requirements.

Kiwifruit's Most Unwanted	How might this enter an orchard?	How does this affect OGR?
Soil borne diseases		
<u><i>Ceratocystis fimbriata</i></u>	<ul style="list-style-type: none"> • Tools • Plant material • Soil on people or vehicles and equipment 	Production impacts - up to 50% vine loss
<u>Invasive phytophthoras</u>	<ul style="list-style-type: none"> • Tools • Plant material • Soil on people or vehicles and equipment 	Production impacts - plant killers, impacts unknown
Bacteria		
<u>Psa (non-New Zealand biovars)</u>	<ul style="list-style-type: none"> • Tools • People • Plant material 	Impacts to green varieties and possibly new gold varieties also.

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Pests		
<u>Fruit flies</u>	<ul style="list-style-type: none"> • Movement of infested fruit 	Market access restrictions
<u>Brown Marmorated Stink Bug</u>	<ul style="list-style-type: none"> • Imported vehicles and machinery • Visitor's luggage • Shipping containers • Internet purchases 	Production impacts – fruit loss, control costs and residue issues for markets
<u>Spotted Lanternfly</u>	<ul style="list-style-type: none"> • Eggs on imported vehicles, machinery, or structural materials • Shipping containers 	Production impacts – mainly from sooty mould. Hitchhiker pest, so hard to control spread
<u>White Peach Scale</u>	<ul style="list-style-type: none"> • Imported fruit being brought onto the orchard 	Production impacts – fruit loss and control costs
<u>Yellow Spotted Stink Bug</u>	<ul style="list-style-type: none"> • Imported vehicles and machinery • Visitor's luggage • Shipping containers • Internet purchases 	Production impacts – fruit loss, control costs and residue issues for markets

- I have read and understand the risks above and will help to prevent them through my biosecurity practices.
 I know to report anything unusual, and if it is a pest to catch it, snap it and report to either the Biosecurity New Zealand hotline on 0800 80 99 66 or KVH on 0800 665 825.

Staff training

Staff need to be trained to ensure they understand all contractor (and grower) biosecurity protocols.

- staff training completed for all staff in all areas of the contractor biosecurity plan
 records maintained and signed by trainer
 records kept _____ (location)

Grower onsite requirements

Contractors must check for any specific biosecurity requirements with their orchard contact.

- check if the orchard has any specific biosecurity requirements before entering
 staff and hygiene register completed
 movement of vehicles kept to dedicated access tracks/roads
 vehicles left in dedicated parking area outside fruit production area
 any unusual pests or vine symptoms reported to grower or KVH

Traceability

Maintaining records of what and who has been on the orchard and when, allows better traceability in the event of a biosecurity incursion. From a biosecurity perspective, these records can be hugely important

- records maintained of orchards visited - date and time
 (how) _____
 personnel present at each orchard recorded
 (how) _____

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records kept
(location) _____

if any plant material is involved in contractor activity (e.g., plants, budwood, pollen) traceability to source maintained.
(how) _____ OR circle if NON-APPLICABLE

location on the orchard where plant material is used is recorded
(how) _____

Records

This is a summary of records that you need to have on hand and keep available should they be required for a biosecurity incursion. KVH may audit contractors to ensure the industry is meeting their biosecurity responsibilities.

- staff training records
- orchard visit log
- staff traceability records
- traceability records for plant material if part of operation showing movement from where to where
- records maintained for seven years and available to KVH on request
- records kept _____ (location)

Annual review date: