

## Background

Bin movements during harvest have the potential to transfer PsA-V if infected material is present. Kiwifruit bins that have been cleared of all plant material and sanitised correctly using a sanitiser with proven efficacy against PsA-V, present a negligible risk of transmitting infection.

## Scope

The KVH Board requires 100% auditing of bins delivered from a Recovery region to Exclusion regions, or Containment regions with a controlled area in place. KVH approved auditors will complete this audit. This protocol relates to bins delivered to Whangarei regions from a packhouse in a Recovery region.

For bins delivered from a Recovery region to Containment regions such as Gisborne, Hawkes Bay and NW Auckland, the post-harvest system and a percentage of bins will be inspected to clear loading.

## Whangarei bins

The packhouse may choose to have bins inspected at the end of the previous harvest season (or at any stage pre-harvest) once bins have been repaired and sanitised. This can occur if bins are going to be stored in a closed coolstore once inspected. A percentage of these bins will need to be re-inspected before being delivered at the next harvest season to ensure they are still clean.

## Notification

- Auditors will be allocated to a post-harvest supplier
- Post-harvest suppliers are required to give KVH 24 hours' notice of their intention to move bins into the designated regions or to put into storage until harvest.
- Either KVH or the post-harvest contact person will notify the auditor of the time when bins will be ready for inspection at the packhouse.
- Post-harvest will be charged by KVH for all inspections at \$22 per hour. Travel costs and travel time will not be charged.



## Audit requirements

The KVH auditor will:

- respond and be on site at the appointed time.
- inspect the bins requested – this may be a load ready for trucking, or a defined quantity of bins at the packhouse site.
- Ensure all bins are identified appropriately for the region. If the bin identifier is incorrect refer to Non-Compliance section below.
- Complete the attached form *Fruit Bin Inspection Sheet*. (Ensure the time taken section has been completed as this will be used for charging.)
- Every bin must be inspected, therefore bins are to be de-stacked for inspection.
- All bins must be clear of visible plant material.



## Audit process

- Date and attach a KVH inspection sticker to the passed bins.
  - use green for the first inspection of a bin and
  - white stickers with black font for any that have been recycled on a closed loop basis - second inspection

- white stickers with orange font and 3<sup>rd</sup> round for any that have been recycled again on a closed loop basis - third inspection.
- Any visible plant material is not acceptable – however when bins are damp kiwifruit hairs may adhere to the damp surfaces. (The presence of minimal kiwifruit hairs is acceptable provided there is no other plant material present in the bin.)
- Any material found in bins is to be collected for disposal by the packhouse
- Complete the audit to establish how many bins are affected.
- Bins that are not acceptable must be removed from the load- they may be replaced by clean, sanitised bins or re-inspected by KVH auditor after cleaning/sanitising.
- No bins are to load to an orchard unless KVH clearance has been given.

## Clearance for harvest

- If all the bins are clean the load/consignment can be cleared to go to an orchard.
- Complete the form attached (*Fruit Bin Audit Inspection Sheet*).
  - Indicate if clearance is a load for a particular KPIN or a consignment being stored in a Coolstore.
  - Indicate number of bins inspected
  - Check all bins are identified for the region and record the identifier used on the bins – red spot, letter K etc.
  - Record the name of the trucking company delivering the bins if known at time of audit.
- Ensure that the cleared bins are placed under cover (or in an unused coolstore or similar) if not to be loaded onto a truck immediately, and that the site manager is aware of which bins are cleared.
- A KVH Trucking Docket is to accompany every truck load of inspected bins – completed either by the KVH auditor if present at the load-out, or the supplying packhouse representative.
- Email or deliver the completed bin inspection form to [karyn.lowy@kvh.org.nz](mailto:karyn.lowy@kvh.org.nz)



## Non-compliance

- If any bins have an incorrect bin identifier – have them segregated and replaced.
- If any bins do not meet the requirements because they contain plant material then record on the sheet in the comments section. The packhouse is able to replace these bins on the load with clean bins, or clean and sanitise the failed bins for re-inspection by KVH.
- No bins representative of that load or consignment should load to any orchard until KVH has given clearance.
- NB: There is difficulty in applying interpretation around acceptable levels of plant material as when material is found in a bin it is not always clear whether the bin has in fact been sanitised



- Although some of these pictures show minimal plant material –they have obviously missed the packhouse inspection and could also have missed being sanitised.

All of the bins on this page are therefore unacceptable.



## Other Containment Regions – (NW Auckland, Gisborne, Hawkes Bay) Process

- Post-harvest suppliers are required to give KVH 24 hours' notice of their intention to move bins for the first time into the above containment regions.
- KVH will notify the auditor of the approximate time and address to audit bins and the contact person on site.
- There will be no charge to post-harvest for the auditing of bins to these regions.

## Audit requirements

The KVH auditor will inspect bins as previously described except that not every bin will be inspected

- Approximately 10% of bins will be inspected.
- All bins must be clear of visible plant material.
- Bins are to be de-stacked for inspection.
- Ensure all bins are identified appropriately for the region.
- If the bin identifier is incorrect refer to Non-Compliance section below.

## Clearance for harvest

- If all the bins are clean the load/consignment can be cleared to go to an orchard.
- Complete the form attached (*Fruit Bin Audit Inspection Sheet*).
  - Indicate if clearance is a load for a particular KPIN or a consignment.
  - Check all bins are identified for the region and record the identifier used on the bins – red spot, letter K etc.
  - Record the name of the trucking company delivering the bins.
- Ensure that the cleared bins are placed in a defined space (i.e. under cover) if not to be loaded onto a truck immediately, and that the site manager is aware of which bins are cleared.
- No stickers should be applied to these bins.
- Email completed form to [karyn.lowy@kvh.org.nz](mailto:karyn.lowy@kvh.org.nz)

## Non-compliance

- If any bins have an incorrect bin identifier – have them segregated and replaced.
- If any bins do not meet the requirements because they contain plant material the supplying packhouse can replace the non-compliant bins with clean/sanitised bins with the same identifier (note this on the audit report)
- No bins representative of that load or consignment should load to any orchard until KVH has given clearance.