



KIWIFRUIT'S MOST UNWANTED

Kiwifruit Vine Health (KVH) undertakes readiness and response planning to minimise the impact of future biosecurity incursions to the kiwifruit industry.

The following organisms are considered the highest risk to the kiwifruit industry, based on the likelihood of them getting here and establishing; and the potential production and market access implications should this occur.

Our next incursion won't necessarily be an organism on this list however. We all need to be on alert for any unusual pests or plant symptoms and maintain on-orchard biosecurity best practice ALL the time.

FRUIT FLIES

Queensland, Oriental, Mediterranean

- High likelihood of entry – have crossed our borders many times.
- Production impacts for a range of horticultural crops, but considered low for kiwifruit.
- Severe market access restrictions, particularly for Queensland Fruit Fly which is not present in most major kiwifruit markets.



Risk Months: Sep – June
I can enter NZ hiding on:



BRAZILIAN WILT

Ceratocystis fimbriata

- Soil-borne pathogen causing damage to kiwifruit in Brazil – reports of up to 50% vine loss.
- Vine death can occur extremely rapidly after expression of symptoms. Hayward on Bruno rootstock also affected.
- No known effective treatments.
- May be eradicable with good biosecurity practices and if detected early.



Risk Months: Year Round
I can enter NZ hiding on:



BROWN MARMORATED STINK BUG

- Pierces kiwifruit resulting in fruit drop and rot. Fruit loss is typically 5-10% but up to 30% on worst blocks.
- Extremely difficult to eradicate – early detection is essential.
- Major nuisance pest overwintering inside houses in huge numbers.
- High likelihood of entry as a hitchhiker on shipping containers, cars, machinery and luggage.



Risk Months: Sep – Apr
I can enter NZ on:



SPOTTED LANTERNFLY

- Attacks over 70 host species, including kiwifruit - eradication efforts overseas have been unsuccessful.
- Production impacts from extensive feeding resulting in oozing wounds, wilting, and sooty mould growth, which can be prolific.
- Hitchhiker pest that is hard to control – tends to fly out of orchards when sprayed and return later.



Risk Months: Sep – May
Look out for my eggs on:



PSA NON NZ STRAINS

- NZ has one form of PsA – others exist internationally and could cause severe impacts if they get here.
- PsA in Japan and Korea appears to be more virulent to Hayward than the NZ form of PsA.
- New PsA strains could be more virulent to 'PsA tolerant' cultivars.
- May be difficult to distinguish from "common" PsA so best practice is not to spread any form.



Risk Months: Year Round
I can enter NZ hiding on:



YELLOW-LEGGED HORNET

- Hitchhiker pest that has been detected post-border demonstrating it can survive and reproduce under local conditions.
- Climate modelling indicates could establish across most of the country.
- Significant predator of pollinators with honey bees making up approximately 80% of its diet.



Risk Months: Sep – May
I can enter NZ hiding on:



VERTICILLIUM WILT

- In susceptible kiwifruit cultivars infection always leads to plant death, which occurs suddenly.
- Many strains worldwide – only Chile has reported a strain virulent against kiwifruit.
- Good biosecurity hygiene practices are essential to manage spread of this soil-borne pathogen.



Risk Months: Year Round
I can enter NZ hiding on:



INVASIVE PHYTOPHTHORAS

- Known as the plant killers – a group of significant plant pathogens and a major threat to all plant sectors.
- Species have caused significant impacts to kiwifruit offshore. Many other known and unknown species could also cause impacts under certain conditions.
- Easily spread, particularly with plant material movements.
- Can spread in plants showing no symptoms.



Risk Months: Year Round
I can enter NZ hiding on:



For more information about these organisms and other biosecurity threats to the kiwifruit industry, see the fact sheets on the KVH website at www.kvh.org.nz



CATCH IT



SNAP IT



REPORT IT

TO REPORT UNUSUAL PESTS OR DISEASES

CALL THE MPI HOTLINE 0800 80 99 66 OR KVH 0800 665 825