

# Fact sheet: Pelargonium Zonate Spot Virus



Pelargonium Zonate Spot Virus (PZSV), Genus *Anulavirus*, is one of two viruses known to induce severe symptoms in kiwifruit - Cherry Leaf Roll Virus (CLRV) being the other. This virus is widely distributed in many species but has only been reported in kiwifruit in Italy. It has not been reported in New Zealand.

## Identification

Molecular tests are required to confirm the presence or absence of PSZV in symptomatic and asymptomatic material.

*Images to the right: chlorotic and necrotic rings on Hort16A leaves, Italy.*

*Source: Plant and Food Research*



## Distribution and climate range

PZSV has been reported in Europe, Israel, the USA, Argentina and Australia in other host species such as pelargoniums, chrysanthemums and tomatoes.

It has only been reported in kiwifruit in Italy, in the Hort16A variety.



## Signs and symptoms

Infected plants show chlorotic and necrotic rings on leaves and depressed areas on the fruit. PZSV infection decreases vigour year by year and then productivity of the plants. Cuttings taken from symptomatic plants developed infected but asymptomatic leaves.

## Control

Mitigation measures for this virus should be focused on the control of spread. Transmission in kiwifruit is unknown. However, it is likely to be through seed, pollen and mechanically, during orchard activities, emphasising the need for best practice orchard hygiene and high health nursery standards.

**What should you do if you think you have seen vines displaying these symptoms?**

**Phone MPI on 0800 80 99 66 or KVH on 0800 665 825**