



agrovista
fruit



Wignest

A predator shelter
for use in pome
fruit orchards



growing through **innovation**

What is Wignest?

Wignests are a newly developed bioactive refuge that boosts numbers of earwigs and other beneficial predators of pests in apple and pear orchards.

Key features

- Helps provide protection and boost populations of predators that can feed on a wide range of important pest species in orchards
- Helps significantly increase earwig populations
- Pre-loaded with earwig food attractant
- Can reduce the number of pesticide treatments required
- Perfect for organic or non-organic production systems

Easy to use

The Wignest is a small, robust and compact device.

- Place one Wignest per tree at leaf bud-burst on a branch against the trunk of the tree within the lower tree canopy
- For young trees on a post and wire system, wedge the Wignest between the tree and the post, hanging from the wire or a small branch



Why choose Wignest?

Wignest boosts numbers of earwigs, spiders and ladybirds. Earwigs have proven invaluable within pome fruit orchards. They prey upon and significantly reduce numbers of damaging pests, such as the pear sucker, codling moth and woolly apple aphid.



Codling Moth



- Major pests of apple and pear crops
- Larvae feed directly on the fruit
- Significant losses from codling moth every year in most orchards

Pear Sucker



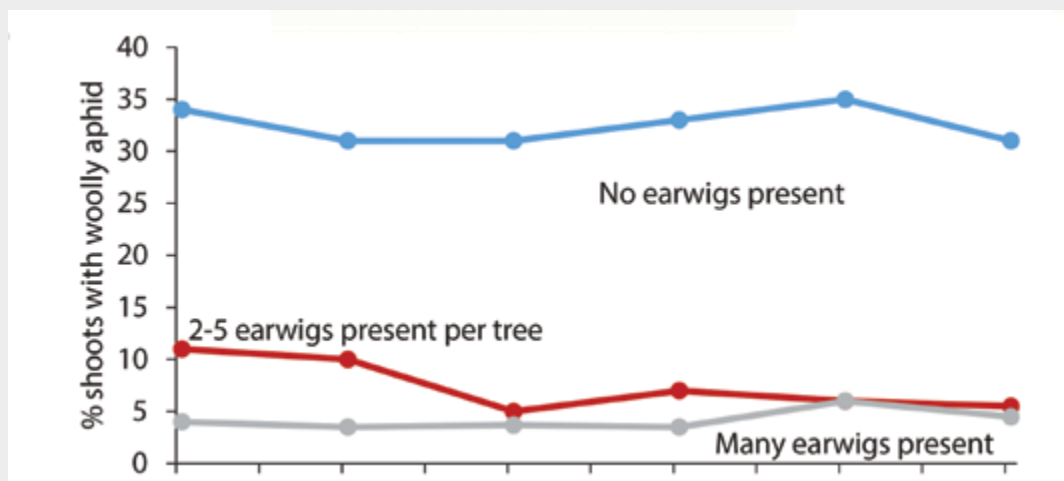
- Sucks sap, honeydew and sooty mould contamination
- Yield, fruit size and skin quality reduced
- High losses in profitability

Woolly Apple Aphid



- Average losses of up to 10% per annum in apples
- Reduces tree limbs and root stock
- Established rapidly in orchards

This graph illustrates that with more earwigs, there are significantly fewer woolly apple aphids.



Why so few earwigs?

Due to lack of shelter and food, earwigs are less successful in establishing in some pome fruit orchards. The earwig only produces one generation per year, so numbers can be diminished by insecticide use and soil disturbance if targeted during vulnerable stages of their life cycle. Providing shelter and food helps to establish a healthy population which will readily feed on pests.

Not just earwigs!

The **Wignest** not only attracts earwigs, it provides shelter for a wide range of predatory species throughout the year, including ladybirds, spiders and lacewings.





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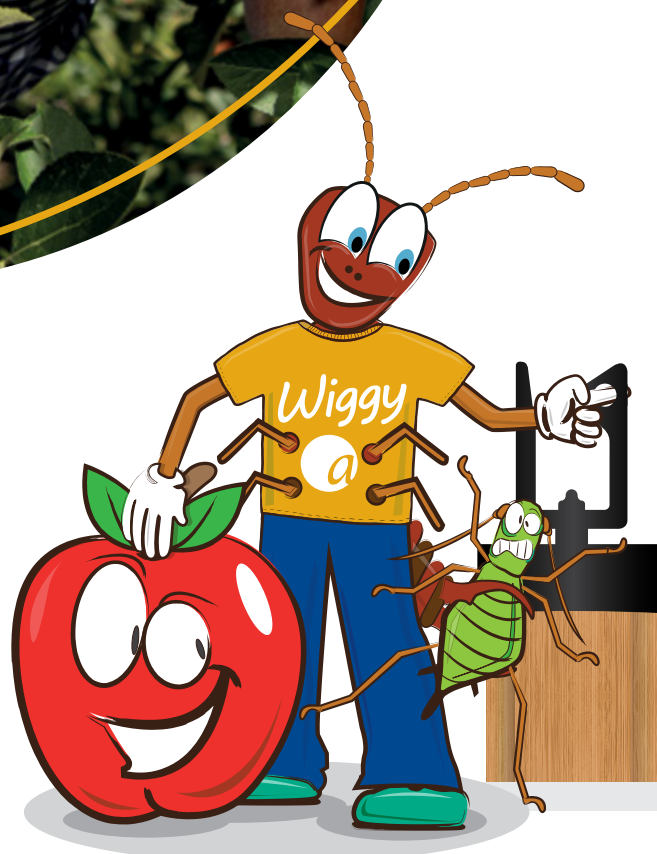
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Wignest was developed by a consortium including Russell IPM Ltd., NIAB EMR, University of Greenwich, Worldwide Fruit, Fruition and Agrovista, in an Innovate UK project.

Wignest is manufactured by Russell IPM and distributed in the UK by Agrovista.