

New research supports use on Gold3 post-harvest

Collaborative research

A collaborative research project began in 2019 between Syngenta, Zespri/KVH and Plant & Food Research to better understand the use of ACTIGARD[®] plant activator post-harvest.

Senior research scientist at Plant & Food Research Tony Reglinski says:

“The best way to understand the effect of ACTIGARD[®] in the post-harvest window is to look for changes in the defence gene expression in the ACTIGARD[®] treated vines compared with the untreated vines, where an increase in gene expression is likely to equate to an increase in protection against Psa”.

Key findings on Gold3

The initial study in 2019[#] showed Hayward vines were responsive to ACTIGARD[®], highlighting the value of using ACTIGARD[®] post-harvest to protect Hayward vines against Psa infection.

The study was extended in 2021 to include Gold3 kiwifruit. This new research confirmed that a post-harvest application of ACTIGARD[®] induced an upregulation of defence ‘marker’ genes in Gold3, as also seen in Hayward vines.

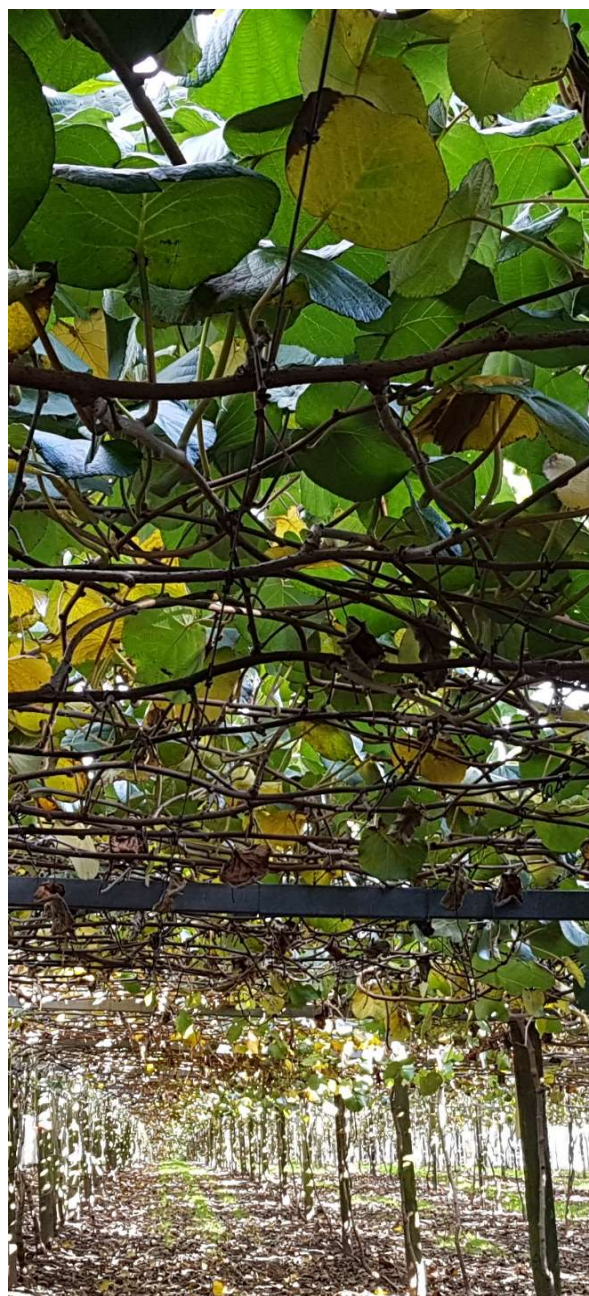
These results support the use of well-timed ACTIGARD[®] applications post-harvest, to help protect Gold3 and Hayward vines against Psa infection.

Best use guidelines post-harvest

Apply 200 g/ha of ACTIGARD[®] (plus copper) immediately post-harvest as a foliar spray. A second application can be made 21-days later provided the canopy is still mostly green.

Avoid spray drift

Take care to prevent spray drift onto unharvested fruit in adjacent blocks to avoid the risk of residues on fruit.



For more information, please call the Syngenta Technical Advice Line on 0800 333 336 or visit our website at www.syngenta.co.nz

[#]Post-harvest ACTIGARD[®] responses - short and long term – Plant & Food Research. Ref: VI22043