

ACTIGARD protects with systemic activity

- Spring growth of kiwifruit is particularly susceptible to Psa-V infection and is difficult to control with contact protectants (like copper) that do not move to protect new growth.
- ACTIGARD is highly systemic, moving upwards and outwards (in the xylem) and downwards (in the phloem), to elicit a response known as Systemic Acquired Resistance (SAR).
- The SAR response is elicited cell-to-cell as it moves in different directions through the plant, to help protect the canopy against Psa-V infection.
- Two-way systemic movement, combined with proven performance, gives ACTIGARD a very good technical fit in the spring crop protection programme, when the crop biomass is rapidly growing and leaf tissue is highly susceptible to Psa-V infection.
- Because it can take 4 to 7 days to fully activate the plant, a protectant bactericide or copper, should be mixed with 200 g/ha of ACTIGARD to ensure immediate protection prior to wet weather events.

ACTIGARD use directions - Kiwifruit

- Apply 20g of ACTIGARD per 100 litres of water as a dilute spray (200g/ha).
- As ACTIGARD can take up to 7 days to fully activate the plant, the addition of a contact protectant (e.g. copper) is recommended to give immediate protection prior to prolonged wet periods.
- To avoid the risk of residues, DO NOT spray female flowers or fruit with ACTIGARD.
- If vines are under stress, delay the application of ACTIGARD until they have recovered.
- ACTIGARD is compatible with Prodigy®, Movento®, Luna Privilege®, and some foliar nutrient products. Multiple product mixtures should always be tested for physical compatibility prior to use.
- Always refer to the latest versions of the Psa-V Best Practice Guide and wall-charts on the KVH website.

Key ACTIGARD timings in spring

First spray – from 25 mm leaf diameter

The first key application timing of ACTIGARD in spring is when leaves reach approximately 25mm diameter. This makes best use of its systemic movement that protect rapidly expanding growth and newly produced leaves.



First spray – from 25 mm leaf diameter

Second spray - 1 to 7 days pre-flower

The second key application timing for ACTIGARD is 1 to 7 days prior to flowering. This provides systemic protection over the flowering period when other options for Psa-V control are limited, and infection risk remains high..



Second spray– 1 to 7 days pre-flower

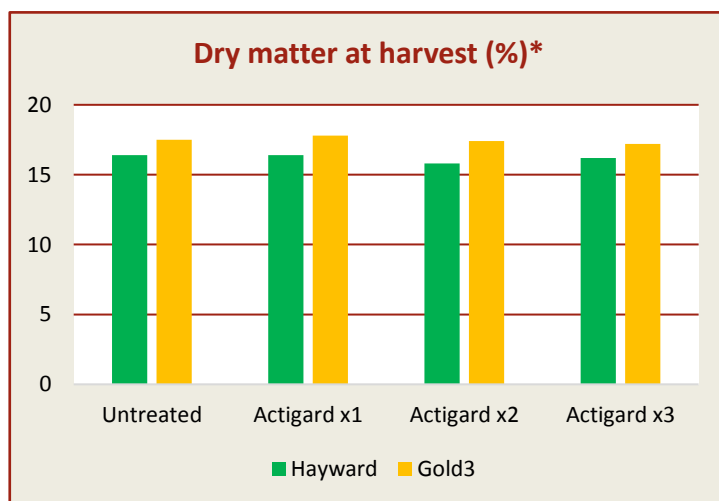
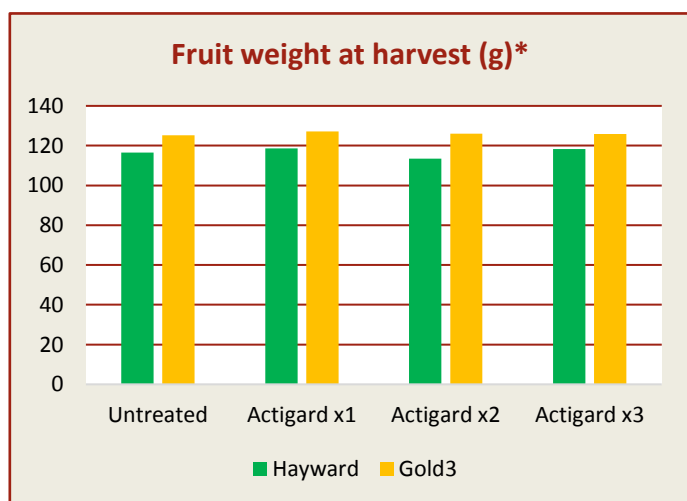
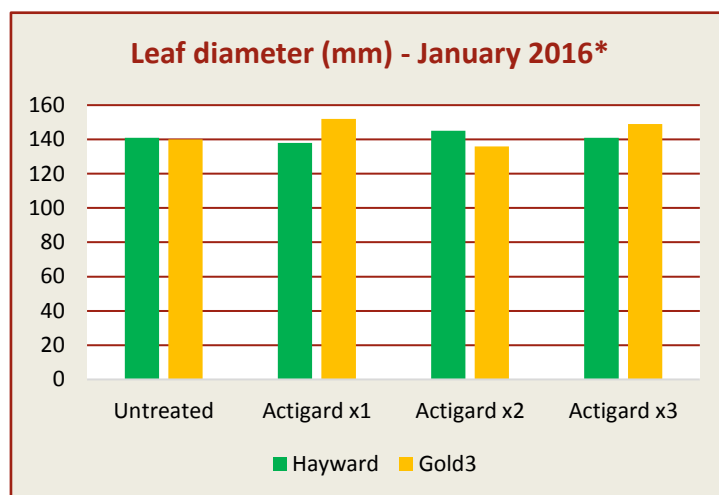
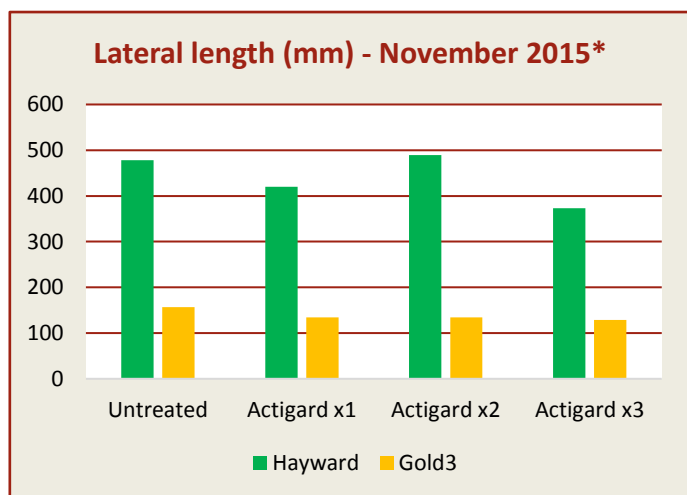
Trials confirm crop safety of ACTIGARD

Syngenta contracted 3 independent replicated trials (1 on Hayward and 2 on Gold3) in spring 2015, to evaluate if there was a relationship between ACTIGARD timing and number of applications on canopy growth, yield and fruit quality.

ACTIGARD was applied at 200g/ha (with and without copper) 1 to 3 times between the 25mm leaf diameter and pre-flower growth stages.

The results showed the number and timing of ACTIGARD applications in the spring did not have a significant effect on lateral length, leaf diameter, fruit weight or dry matter, either when applied alone or in mixture with Nordox®.

Independent trial results – ACTIGARD crop safety



Source: Peracto trials in 2015/16 growing season. **Location:** Bruntwood Drive, Omokoroa, Bay of Plenty.
*No significant difference between treatment means.

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

