



# i·n·t·e·r·r·u·p·t<sup>®</sup>



## Key features

- /// New MoA for miticides, giving growers a new resistance management option.
- /// Residual control of mites for up to 21 days after application.
- /// Translaminar movement of the miticide across the full leaf.
- /// Activity on all life stages\*.

## Interrupt crop guide for pome and stone fruit

Interrupt<sup>®</sup> 240 SC Miticide offers Australian pome and stone fruit growers a new mode of action for controlling two-spotted mites, providing them with a new option for resistance management. It has shown excellent performance for controlling two-spotted mites, with long-lasting residual control for up to 21 days and activity on mites across all life stages.

## Interrupt at a glance:

<b>Active ingredient</b>	240 g/L spiromesifen
<b>Mode of action</b>	Lipid biosynthesis inhibitor
<b>CropLife classification</b>	Group 23
<b>Formulation</b>	Suspension concentrate (SC)
<b>Crop</b>	Pome and stone fruit
<b>Pest</b>	Two-spotted mite ( <i>Tetranychus urticae</i> )
<b>Use rate</b>	Dilute spraying 50-60 mL/100 L
<b>Adjuvant</b>	Not required
<b>Plant mobility</b>	One per season in each crop. Do not apply more than 1.6 L/ha per application.
<b>Pack size</b>	5 L
<b>Withholding period</b>	Harvest: 14 days Grazing: Do not graze treated orchard
<b>Export production</b>	If you are growing for export, please check with Bayer Crop Science or your industry body for the latest information before using this product.

\*Effect on adults is through reduced fecundity of adult females



## Mode of Action

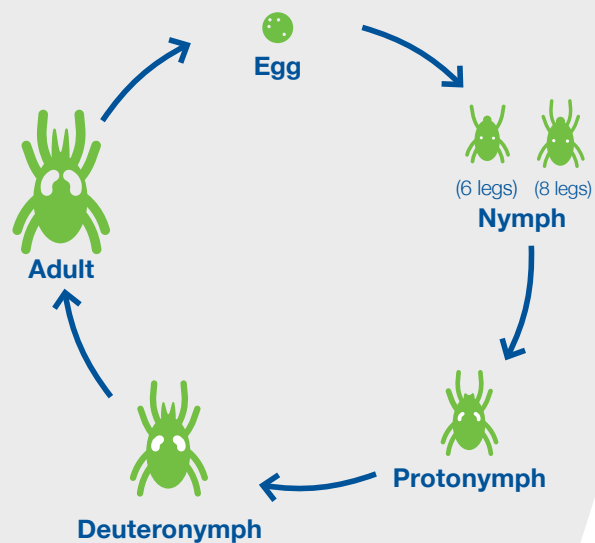
**Interrupt brings a new MoA for control of two-spotted mites**

- /// Spiromesifen is a Group 23 insecticide.
- /// The mode of action of Group 23 insecticides is through the inhibition of acetyl CoA carboxylase.
- /// Acetyl CoA carboxylase is a component of the first step of lipid biosynthesis in the mite.
- /// Lipid biosynthesis generates fats and other essential lipids; these are used for energy storage, cell structure, and to support mite growth.
- /// Inhibition of acetyl CoA carboxylase prevents lipid synthesis in the mite and prevents the mite from developing (molting), leading to mite death.

## Activity on all life stages

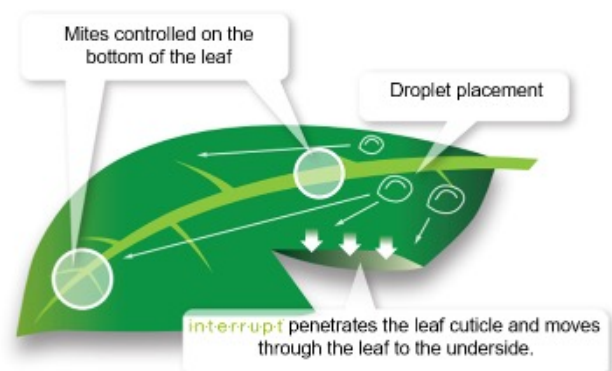
**Interrupt has activity on two-spotted mites at all life stages**

- /// Activity on eggs and nymphs is mostly through contact activity with some translaminar effect.
- /// Activity on adults is through an effect on the fecundity of adult females.
- /// Under ideal conditions, the life cycle of the two-spotted mite may be as short as two weeks.
- /// Females can lay up to 6 eggs a day under optimum conditions.



## Translaminar movement

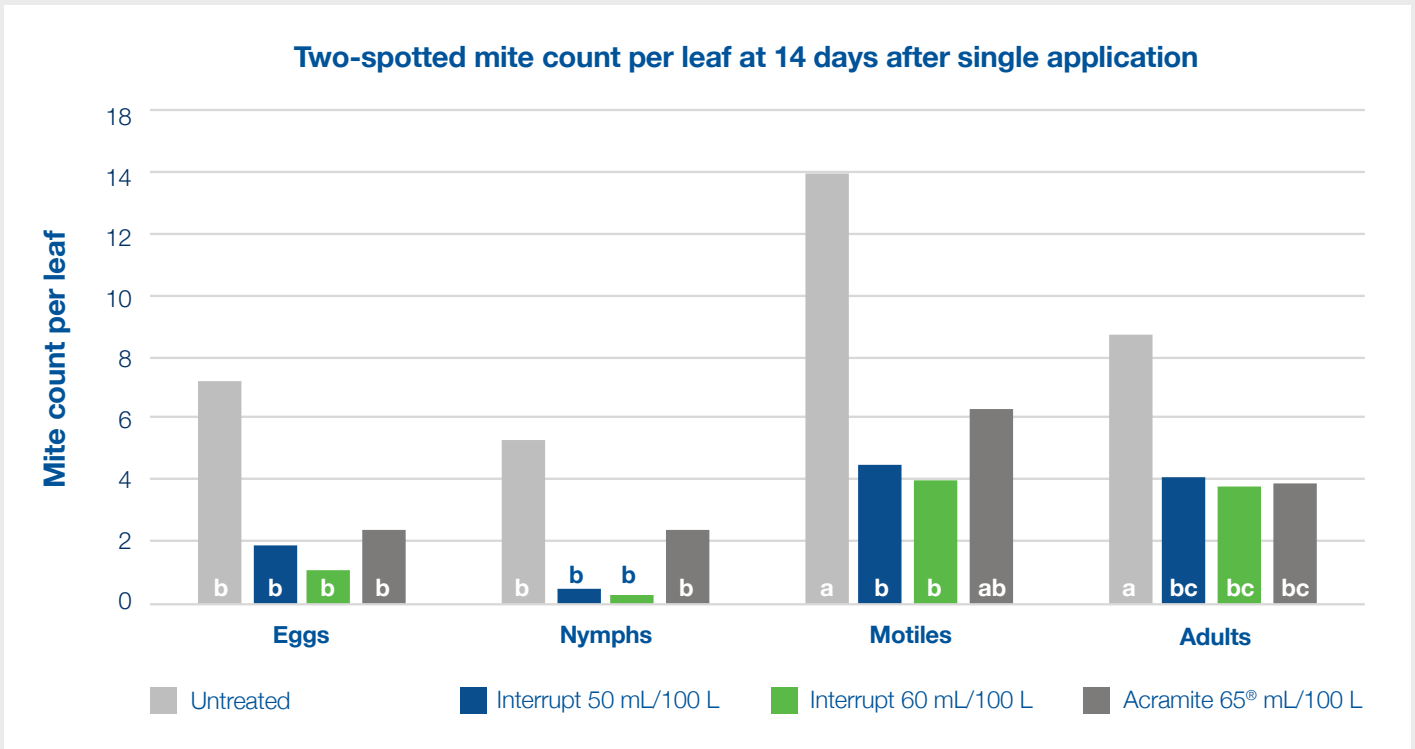
- /// Interrupt miticide moves through the leaf epidermis and mesophyll to control mites not directly exposed to sprayed surfaces.
- /// Interrupt moves from the treated side of the leaf to the untreated leaf surface within the same leaf. Interrupt does not move through to other parts of the plant.
- /// Despite this movement, full coverage is still required to achieve optimal mite control.



# Trial Results

Thulimbah Vic, apple variety - Red Delicious

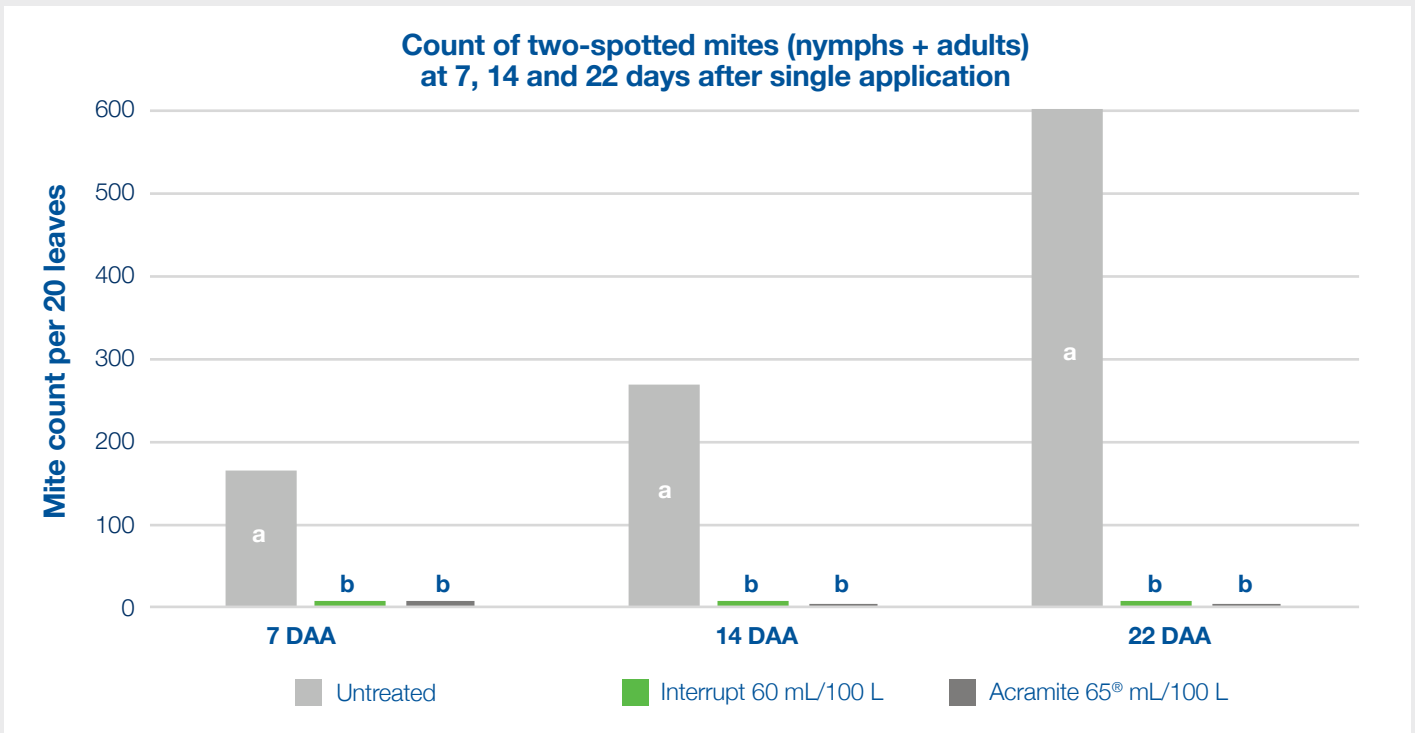
Trial ID: VE84



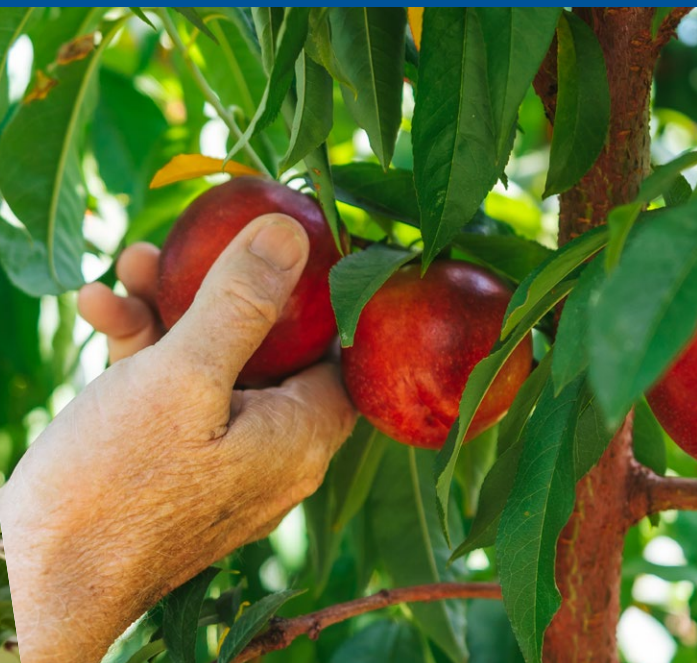
Means followed by the same letter or symbol do not significantly differ (P=.05, Duncan’s New MRT).  
 Note: Not all treatments from the trial are displayed.

Cobram Vic, peach variety – Baby Gold

Trial ID: VS15



Means followed by the same letter or symbol do not significantly differ (P=.05, Duncan’s New MRT).  
 Note: Not all treatments from the trial are displayed.



## Want more information?

For more information about how to get the most out of Interrupt go to [www.crop.bayer.com.au/products/insecticides/interrupt-miticide](http://www.crop.bayer.com.au/products/insecticides/interrupt-miticide) or speak to your local Bayer representative.

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