



# Relent<sup>®</sup>

A selective insect growth regulator for the control of whitefly on greenhouse tomatoes and greenhouse cucumbers.

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<u>Active Ingredient:</u>	100g/litre pyriproxyfen
<u>Chemical Group:</u>	Pyridine
<u>Formulation:</u>	Emulsifiable concentrate
<u>Pack Size:</u>	1 Litre

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Relent is a selective insect growth regulator for whitefly control, which interferes with whitefly reproduction and development. Relent is a slow acting juvenile hormone mimic (note: it is NOT a knockdown insecticide), which artificially increases juvenile hormone levels and prevents progression from the larval to adult stage.



Relent<sup>®</sup> offers enhanced whitefly control, with a unique mode of action...

Inhibits egg hatch ✓

Translaminar activity through the leaf ✓

Long-lasting activity ✓

Short WHP ✓

Non toxic to bees ✓

Low toxicity ✓

**GENERAL INFORMATION:** **Relent** acts by suppressing egg development and by inhibiting metamorphosis and adult emergence of target insects. **Relent** has no activity on adult insects and pupae. Since activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides. **Relent** is of low toxicity to adult parasitoids such as *Encarsia*, *Eretmocerus* and *Aphidius* which are used in IPM programmes, but it may indirectly reduce parasitoid numbers by removing the host. **Relent** does not affect predatory mites, or bumblebees used for pollination. However, it is good practice to delay application to a time of day when bumblebees are not actively foraging. **Relent** affects all immature life stages of Coccinellid beetles, and is not suitable for use in greenhouses that rely extensively on predatory ladybird beetles, e.g. *Cleobora mellyi* for control of pests.

**RESISTANCE MANAGEMENT:** For insecticide resistance management, Relent is a Group 7C insecticide. Some naturally occurring insect biotypes resistant to Relent and other Group 7C insecticides may exist through normal genetic variability in any insect population. These individuals can eventually dominate the insect population if Relent or other Group 7C insecticides are used repeatedly. DO NOT apply Relent more than twice in any one crop per 12 month period. Use an insecticide from a different chemical group the next time whitefly control is required. Maximise non-insecticide controls.

**It is an offence to use this product on animals.**

**DIRECTIONS FOR USE:**

The rates suggested are for high volume spraying to run-off. For concentrate spraying adjust dilution rate accordingly.

CROP	INSECT	RATE	CRITICAL COMMENTS
Greenhouse Tomatoes Greenhouse Cucumbers	Whitefly	50 mL/100L water (minimum 500 mL/ha)	Apply at first appearance of whitefly. <b>Ensure thorough coverage to all parts of the plant, especially the undersides of the leaves.</b> The addition of a non-ionic wetting agent at label rates is recommended to improve coverage. Use 500-1000L water/ha and up to 2000L water/ha for full canopy tomato crops. Make a second application 10-14 days later. Use an alternative insecticide to control adult whitefly. Follow resistance management recommendations.

**IT IS AN OFFENCE for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards.**

**Withholding Periods:**

**Tomatoes, cucumbers:** 1 day.