



**Confidor®
Guard**

Citrus Crop Guide

New registration for citrus gall wasp

Confidor® Guard is the only product available registered for the suppression of citrus gall wasp larvae as they develop inside the shoots of citrus trees. In addition, Confidor Guard is registered for the control of black citrus aphid, citrus leafminer, pink wax scale and red scale in citrus.

KEY BENEFITS

- Systemic control
- Early season timing
- Same rate, same fast method
- Excellent IPM fit
- Well established MRLs

PRODUCT AT A GLANCE

Active ingredient	Imidacloprid 350 g/L
Formulation	Suspension concentrate
Activity group	Group 4A; Neonicotinoids
Mode of action	Interferes with nerve receptors, causing continuous firing which ultimately leads to death by paralysis
Withholding period	20 weeks
Pack sizes	5 & 10 L





Apply Confidor Guard at 9 mL/tree via the soil at early citrus gall wasp emergence. This ensures Confidor Guard is moving through the tree's xylem when the new larvae hatch and start to feed inside the tree shoots. The larvae ingest the Confidor Guard and die, resulting in a reduction in the number and size of galls.

KEY BENEFITS

- **Systemic control** – Confidor Guard is the only product available registered for the suppression of citrus gall wasp larvae as they develop inside the shoots of citrus trees.
- **Early season timing** – Applying Confidor Guard at early citrus gall wasp emergence coincides with a standard application between October and December for the control of red scale, pink wax scale, black citrus aphid and/or citrus leaf miner, if present in the orchard.
- **Same rate, same fast method** – Soil application method and rate is identical for these pests.
- **Excellent IPM fit** – Soil application method has a lower impact for beneficial insect species and bees than other foliar applied Group 4 insecticides.
- **Well established MRLs** – MRLs set in most citrus importing countries.

Confidor Guard in citrus

Confidor Guard is now registered for the suppression of citrus gall wasp and the control of black citrus aphid, citrus leaf miner, pink wax scale and red scale.

CONFIDOR GUARD REDUCES THE NUMBER OF GALLS IN THE RIVERLAND AND SUNRAYSIA

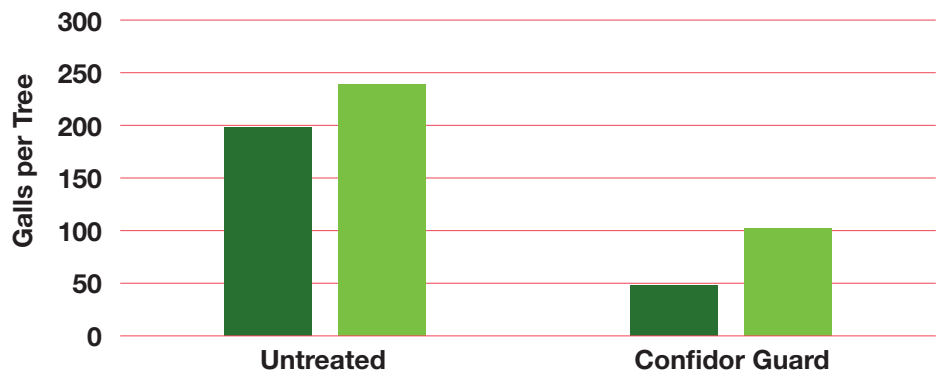


Figure 1
Trial ID: DC 15/16* ■ Riverland 2015/16 ■ Sunraysia 2015/16

CONFIDOR GUARD REDUCES THE GALL WEIGHT IN THE RIVERLAND AND SUNRAYSIA

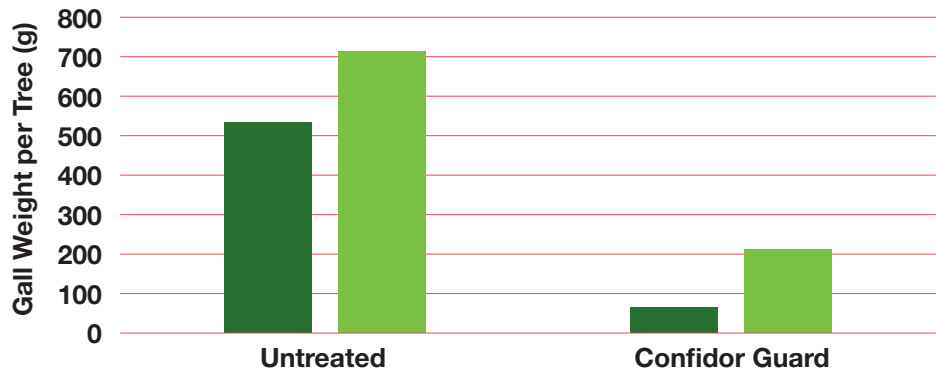


Figure 2
Trial ID: DC 15/16* ■ Riverland 2015/16 ■ Sunraysia 2015/16

CONFIDOR GUARD APPLICATION WINDOW FOR CITRUS GALL WASP IS IN SPRING AT EARLY CITRUS GALL WASP EMERGENCE

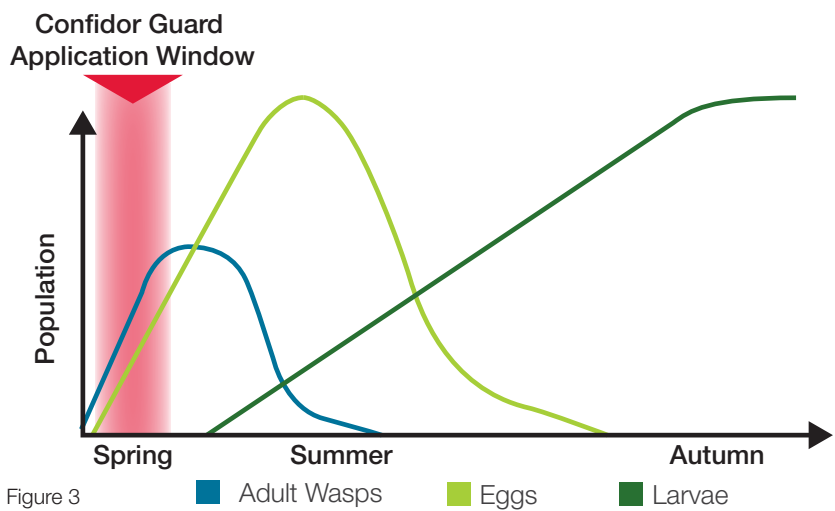


Figure 3 ■ Adult Wasps ■ Eggs ■ Larvae



Citrus gall wasp (untreated)

Applying Confidor Guard to citrus

Although Confidor Guard can be applied by soil drench, drip emitters or micro-sprinklers, application via a soil drench concentrates the most amount of product at the base of the tree and so will provide the longest residual control of citrus pests. Therefore, application via micro-sprinkler and drip irrigation methods will give best results if used in conjunction with other control methods such as the release of beneficial species (e.g. parasitic wasps). In all instances, don't disturb or remove the treated soil around the trunk during the season and don't leave the Confidor Guard mixture exposed to sunlight.

SOIL DRENCH

- Apply Confidor Guard in a water mix using 1 L of water per tree.
- Apply evenly to moist, weed free soil around the base of a tree trunk to a maximum height of 20 cm.
- Ensure the mixture infiltrates the soil around the trunk and does not run off.
- Irrigation for up to 1 hour immediately after a soil drench application is preferred but not essential.



Soil drench around base of tree

DRIP OR MICRO-SPRINKLERS (BELOW CANOPY)

- Drip emitters placed under the tree canopy or near the trunk provide better results than those spaced irregularly or further from the tree.
- Micro-sprinklers should only be used when the wetting zone can be contained beneath the tree canopy.
- Begin injection after the soil below the trees furthest from the injection point is partially wetted up and the irrigation system has reached operating pressure.
- After Confidor Guard injection is completed and lines have been flushed continue irrigation for less than one hour.
- Allow 48 hours before subsequent irrigations.



Micro-sprinkler application

CONFIDOR GUARD APPLIED AT 9 ML/TREE IS BEST APPLIED FOR BLACK CITRUS APHID THROUGH MICRO-SPRINKLERS OR AS A SOIL DRENCH AND TO LEAFMINER AS A SOIL DRENCH

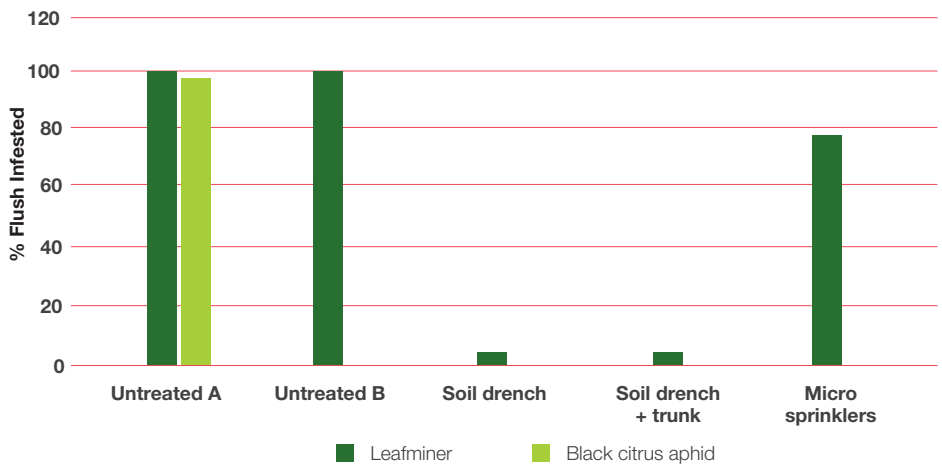


Figure 4
Trial ID: QB1003, Control of citrus leafminer and black citrus aphid on young flushes in Imperial mandarins at 79 DAA. Mundubbera, Qld. 2003–04.



Black citrus aphid (untreated)

CONFIDOR GUARD AT 9 ML/TREE IS BEST APPLIED FOR RED SCALE AS A SOIL DRENCH

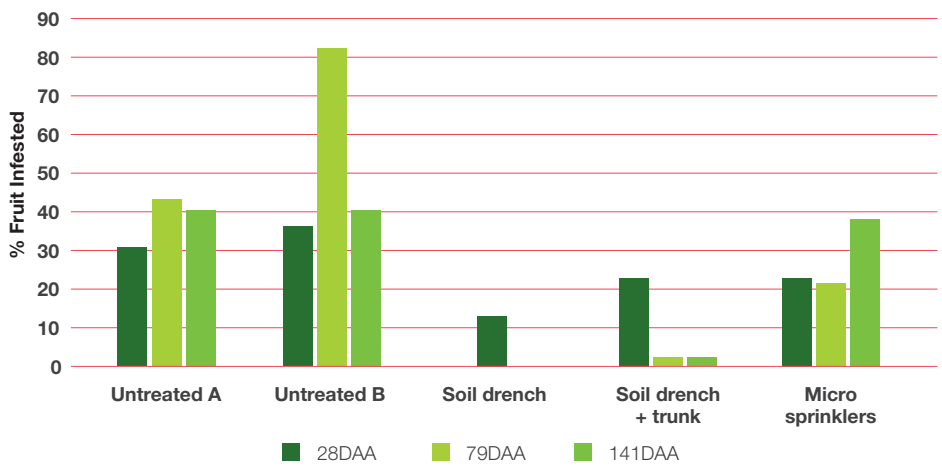


Figure 5
Trial ID: QB1003, Effect on mean percent fruit infested with red scale in Imperial mandarins. Mundubbera, Qld. 2003–04.



Red scale (untreated)

Directions for use

RESTRAINTS

DO NOT use on crops produced hydroponically or in glasshouses and other covered situations.

DO NOT apply Confidor 200 SC Insecticide or any other Group 4A Insecticide as a foliar spray after soil application or injection of Confidor Guard Soil Insecticide in that crop.

DO NOT apply more than one soil application of Confidor Guard or any other soil applied group 4A Insecticide per crop for vegetables, sugarcane or peanuts, per season for citrus or per two years for apples.

CROP	PEST	RATE	WHP
Citrus	Black citrus aphid, citrus leafminer, pink wax scale, red scale Suppression only: Citrus gall wasp	9 mL/tree Apply as a soil drench* OR via micro-sprinkler* or drip irrigation*.	20 weeks (H)

CRITICAL COMMENTS

* Refer to Application directions under GENERAL INSTRUCTIONS for detailed information on application methods. Application via micro-sprinkler and drip application methods will give best results when used in conjunction with other control methods such as the release of beneficial species (e.g. parasitic wasps).

Treatment is only recommended for trees up to 4 m in height.

Citrus leafminer, black citrus aphid:

Apply Confidor Guard in late spring after main flowering has finished (October to December) prior to the summer or autumn flush. Apply prior to pest establishment or at the first signs of pest infestation.

Red scale, pink wax scale:

Monitor crop throughout late spring to early summer (October to December). If scale is observed, apply Confidor Guard after main flowering has finished prior to or at the onset of crawler emergence.

Citrus gall wasp (suppression only):

Monitor crop throughout early spring to early summer (September to December). Apply Confidor Guard at early citrus gall wasp emergence.

Multiple flowering and/or overlapping cropping:

Where extended flowering and/or multiple flowering periods occur e.g. lemons and limes, or if the previous seasons crop is still hanging on the tree during or at the end of a new seasons flowering (overlapping cropping) e.g. Valencia oranges, Confidor Guard should only be applied:

- when there is a minimum of 20 weeks to the next harvest and,
- according to the timing for specific pests described above and,
- after the previous crop has been harvested or stripped and,
- when the main flowering period has finished.

DO NOT apply more than once per season.

WITHHOLDING PERIODS

Harvest (H) Citrus: DO NOT HARVEST FOR 20 WEEKS AFTER APPLICATION

Always consult the product label for detailed information. The information and recommendations set out in this brochure are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables, and/ or developed resistance. Any product referred to in this brochure must be used strictly as directed, and in accordance with all instructions appearing on the label for that product and in other applicable reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

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