

Imperio®

For the control of Diamondback moth and Cabbage white butterfly in vegetable brassicas, Leaf roller caterpillars in kiwifruit, Soybean looper control in lettuce, Codling moth and Leafroller caterpillars (light brown apple moth, green headed leafroller, brown headed roller) in apples and pears and Leafroller caterpillars in grapes



Active Ingredient: 225g/litre indoxacarb as the S-isomer in the form of a suspension concentrate

Chemical Group: Oxadiazine

Formulation: Suspension concentrate

Pack Size: 5 litre

Imperio® offers highly cost-effective pest control, with many key benefits:

- ✓ IPM compatible.
- ✓ Low use rates.
- ✓ No cross-resistance, long-lasting activity – up to 3 weeks residual activity.
- ✓ Highly rainfast.
- ✓ Rapid inhibition of feeding.

About Imperio® 240SC

Imperio® is a broad spectrum Lepidoptera insecticide, with the main mode of action being through ingestion, and also absorption through the cuticle. Depending on conditions, Imperio® can provide protection for 5-14 days, and inhibition of insect feeding occurs very rapidly. Knockdown usually occurs within 1-2 days. Imperio® is primarily a larvicide, but also has activity on eggs and adults.

IT IS AN OFFENCE FOR USERS OF THIS PRODUCT TO CAUSE RESIDUES EXCEEDING THE RELEVANT MRL IN THE FOOD NOTICE: MAXIMUM RESIDUE LEVELS FOR AGRICULTURAL COMPOUNDS

Directions for use:

Withholding Periods:

Vegetable brassicas – DO NOT apply within 3 days of harvest.

Kiwifruit – DO NOT apply more than 7 days after fruit set or when any fruitlet is greater than 10mm in length.

Head lettuce (outdoors): Do NOT apply within 3 days of harvest.

Apples, Pears – DO NOT apply within 5 days of harvest.

Grapes – DO NOT apply after bunch closure or within 56 days of harvest.

Application: May be applied through all conventional orchard and boom spraying equipment. Maintain agitation during mixing and spray application.

Compatibility: Imperio may be tank mixed with most commonly used insecticides and fungicides. Do not mix with very alkaline materials.

Directions for use cont...

RESISTANCE MANAGEMENT: Imperio is a GROUP 22 INSECTICIDE.

Resistance to this pesticide may develop from excessive use. To minimise this risk use strictly in accordance with label instructions. Avoid using this insecticide exclusively all season and avoid unnecessary spraying. DO NOT apply more than four sprays per season. Use insecticides from alternative chemical groups for the remainder of the season. Maintain good cultural practices.

Brassicas: Refer to the Diamondback moth resistance strategy for the appropriate application timing window.

Lettuce: Alternate insecticide applications between different insecticide groups.

IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.

How to use:

Fill spray tank to $\frac{1}{4}$ to $\frac{1}{2}$ full of water. Add Imperio directly to the spray tank and disperse thoroughly using mechanical or hydraulic agitation.

The rates suggested are for high volume spraying. For concentrate spraying, adjust dilution rate accordingly.

CROP	INSE CT	APPLICATION RATE	APPLICATION TIMING
Cabbage, Cauliflower, Broccoli, Brussels sprouts	Diamond back moth, Cabbage white butterfly.	330mL/ha in a minimum of 250L of water per ha.	Apply at the first sign of insect presence and repeat at 7-14 day intervals. Alternatively, monitor insect populations and apply when economic thresholds are reached. Resistance management: DO NOT apply more than 4 applications in any one season.
Head lettuce (outdoors)	Soybean looper (Thysanoplusia orichalcea)	330mL/ha in a minimum of 250L of water per ha.	Apply at 7-14 day intervals or on monitoring thresholds. Resistance management: DO NOT apply more than 4 applications in any one season.
Apples Pears	Codling moth Leafrollers	27mL/100 litres (minimum of 530mL/ha)	Apply at petal fall and repeat at 14 day intervals. Alternatively, monitor insect populations as per IFP guidelines and apply Imperio when thresholds are exceeded. DO NOT apply more than 4 applications in any one season.
Grapes	Leafrollers	23mL/100 litres (Adjust rate accordingly for concentrate spraying)	Apply at 80% capfall, with a second application if required, up to pre-bunch closure. Allow a minimum interval of 14 days between applications. Use a non-ionic surfactant/wetter at the recommended rate. Ensure thorough spray coverage. Apply a maximum of two sprays per season

Registered to and distributed by: Adria New Zealand Limited. P.O. Box 535 Kumeu, Auckland 0841, NEW ZEALAND.

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