



**HARMFUL · ECOTOXIC**  
**KEEP OUT OF REACH OF CHILDREN**



# AVONE<sup>®</sup>

## INSECTICIDE

For the control of diamond back moth, and cabbage white butterfly in vegetable brassicas, leaf roller caterpillars in kiwifruit, soybean looper in lettuce, codlingmoth and leafroller caterpillars (light brown apple moth, green-headed leafroller, brown-headed leafroller) in apples and pears and leafroller caterpillars in grapes.

ACTIVE INGREDIENT: Contains 150 g/litre indoxacarb as the S-isomer in the form of a suspension concentrate.

**NET CONTENTS: 1 LITRES**



**HSNO CLASS:** 6.1D, 6.5B, 6.9A, 9.1D, 9.3C, 9.4A.  
(Indoxacarb CAS173584-44-6:6.1D,6.5B,6.9A)

### TOXICITY:

**TOXIC:** May cause damage to the hematopoietic and nervous systems from repeated oral exposure at high doses.

**HARMFUL:** May be harmful if swallowed, inhaled or absorbed through the skin.  
May cause sensitization from prolonged skin contact.

### ECOTOXICITY:

**VERY TOXIC:** Very toxic to terrestrial invertebrates.

**HARMFUL:** Harmful to aquatic organisms with long lasting effects.  
Harmful to terrestrial vertebrates.

### PRECAUTIONS:

**KEEP OUT OF REACH OF CHILDREN.**

Avoid contamination of any water supply with product or empty container.

Wash splashes of concentrate from eyes or skin immediately.

When handling, wear appropriate protective clothing such as waterproof gloves, hat, boots and overalls.

Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing after use.

Do not eat, drink or smoke while using.

### STORAGE:

Store in the original container tightly closed under lock and key away from feed, seed or foodstuffs.

Do not store with Class 1, 2, 3, 4 or 5 substances.

Stores containing more than 100kg of this product require secondary containment and are subject to signage.

Avoid storage at temperatures below 5°C and above 35°C.

Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals.

### DISPOSAL:

Dispose of this product only by using according to this label.

Triple rinse empty container and add rinse to the spray tank.

Recycle empty container. Otherwise crush and bury empty container in a suitable landfill. Do NOT use the container for any other purpose.

Avoid contamination of any water supply with chemical or empty container.

### SPILLAGE:

Wear appropriate protective clothing and prevent material from entering waterways.

Contain the spill by damming, recover spill product by absorbing with sawdust or an inert absorbent material then transfer the recovered spill material to a properly labelled container.

Dispose of waste safely in an approved landfill or other approved facility.

**FIRST AID:** If swallowed do NOT induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. For advice, contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor immediately.

### GENERAL INFORMATION:

AVONE is a suspension concentrate insecticide to be mixed with water and applied as a spray for control of diamond back moth, and cabbage white butterfly in vegetable brassicas, leaf roller caterpillars in kiwifruit and soybean looper in outdoor lettuce, codlingmoth and leafroller caterpillars (light brown apple moth, green-headed leafroller, brown-headed leafroller) in apples and pears and leafroller caterpillars in grapes. After application, insect feeding will stop within 24 hours although insects may only die after several days.

AVONE insecticide can be used in Integrated Pest Management (IPM) programmes.

**MIXING:** Shake the container well before use. For larger containers roll or invert the container before use. Add the required amount of AVONE to a partly filled spray tank (1/4 - 1/2 full). Disperse thoroughly using mechanical or hydraulic agitation while adding the remainder of the water. Continue to agitate while spraying or restarting after a stoppage.  
A wetter or surfactant is not required.

**COMPATIBILITY:** Indications to date suggest AVONE is compatible with other commonly used fungicides, insecticides and foliar fertilisers. Do not mix with very alkaline materials.

**RECORD KEEPING:** Records of use as described in the New Zealand Standard for the Management of Agrichemicals (NZS8049) must be kept.

**BEE SAFETY:** Use of honey bees will not be disrupted provided that AVONE is applied in non-foraging periods and once the spray has dried.

### RESISTANCE MANAGEMENT:

AVONE contains the Group 27 Insecticide Indoxacarb (Oxadiazine sodium channel blocker). Resistance to this insecticide could develop from excessive use. To minimize this risk use strictly in accordance with the label instructions. Avoid using this pesticide exclusively all season, and avoid unnecessary spraying. Do not use another product containing an insecticide in the same

group in conjunction with Avone. For further information see [www.resistance.nzpsps.org](http://www.resistance.nzpsps.org). Maintain good cultural practices:

**Apples and pears:** Do not apply more than four sprays per season.

**Brassicas:** Do not apply more than four applications in any one season. Refer to the diamondback moth resistance strategy for the appropriate timing window.

**Grapes:** Do not apply more than two sprays per season.

**Kiwifruit:** Apply only one spray through flowering up to 7 days after fruit set. Apply an alternative insecticide as recommended for the rest of the season.

**Lettuce:** Do not apply more than 4 applications in any one season. Alternate insecticide applications between different insecticide groups.

### DIRECTIONS FOR USE:

It is an offence to use this product on animals.

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

USE	INSECT	DOSAGE RATE	APPLICATION TIMING
Cabbage, cauliflower, broccoli, brussels sprouts.	Diamondback moth, cabbage white butterfly.	500ml/ha in a minimum of 250 litres of water/ha	Apply at the first signs of insect presence and repeat at 7-14 day intervals. Alternatively, monitor insect populations and apply when the economic thresholds are reached. <b>Resistance management:</b> do not apply more than 4 applications in any one season.
Kiwifruit	Leaf roller caterpillars	25ml/100 litres of water (minimum of 500ml/ha)	Apply one application through flowering up to 7 days after fruit set when the largest fruitlet is less than 10mm in length. DO NOT use AVONE if flowering is extended or if any fruitlet is more than 10mm in length. Follow the current Kiwifruit Crop Protection recommendations for export crop withholding periods. Refer to the bee safety statement before spraying. Apply an alternative insecticide as recommended for the rest of the season.
Head lettuce (outdoors)	Soybean looper (Thysanoplusia orichalcea)	500ml/ha in a minimum of 250 litres of water/ha	Apply at 7-14 day intervals or on monitoring thresholds. <b>Resistance management:</b> do not apply more than 4 applications in any one season.
Apples and pears	Codling moth, leafrollers	40ml/100 litres of water (minimum of 800 ml/ha)	Apply at petal fall and repeat at 14 day intervals. Alternatively monitor insect populations as per IPM guidelines and apply AVONE when thresholds are exceeded. DO NOT apply more than 4 applications in any one season.
Grapes	Leafrollers	35 ml /100 litres of water (adjust 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.

### WITHHOLDING PERIOD:

It is an offence for the users of this product to cause residues exceeding the relevant MRL in the NZ (Maximum Residues of Agricultural Compounds) Food Standard.

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 and pears: DO NOT apply within 5 days of harvest.

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

**CONDITIONS OF SALE:** The use of AVONE being beyond the control of the suppliers, no warranty expressed or implied is given by Global Agrichem Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not, and Global Agrichem Ltd accept no responsibility whatsoever resulting from the use of this product.

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Date of Manufacture:

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