

Crop Safety: Optimite is generally safe when applied in the correct manner to capsicums, cucumbers and tomatoes. **Optimite** can cause damage and should not be used on other plant genus or species. Due to the large number of varieties of capsicums, cucumbers, tomatoes and potatoes, it is impossible to test all for tolerance to **Optimite**. The professional user should determine if **Optimite** could be used safely prior to commercial use. Follow and do not exceed the recommendation in the DIRECTIONS FOR USE section. Always test a few plants before spraying the whole crop. Manifestation of symptoms could take up to 4 weeks to become visual following the application.

The risk of phytotoxicity in some cultivars may be reduced by spraying in early morning or late afternoon, when drying is slower or when the sun intensity is low and relative humidity >70%.

Safety to bumblebees and biological control agents:

Bumblebee hives can be left in the greenhouse while the crop is being sprayed. **Optimite** is safe to *Encarsia Formosa* but moderately harmful to *Phytoseiulus persimilis*.

GENERAL INFORMATION: **Optimite** is a contact acaricide/insecticide for the control of two-spotted spider mite in capsicums, greenhouse whitefly in cucumbers and greenhouse tomatoes and tomato/potato psyllid in field tomatoes and potatoes.

IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.

DIRECTIONS FOR USE: According to law, the listed restrictions on the use of this product must be observed, and the product must only be used according to the label instructions.

Crop	Pest	Rate	Remarks
Capsicums	Two spotted spider mite	60ml/100 litres of water/1,000 square metres. Do not apply more than 60ml of Optimite/1,000 square metres.	Make 2 applications at 7 day intervals starting on appearance of pest. Do not apply more than 2 applications per crop cycle. Ensure thorough coverage. Do not apply to plants suffering from stress - e.g. transplant shock.
Cucumbers Tomatoes	Greenhouse whitefly	As for above.	As for above.
Field tomatoes and potatoes	Tomato/potato psyllid	600ml/ha	Make 2 applications at 7 day intervals as part of a programme, in sufficient water to ensure good coverage of all foliage. If large numbers of adult tomato/potato psyllid are present, add a knockdown insecticide.

Optimite must be applied via ground based methods only.

Plant-back Interval: Following harvest of treated potato crops, a 30 day plant-back interval must be observed prior to planting follow-on crops that may be used to provide animal feed or forage.

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.

Withholding periods:

Capsicums, cucumbers, greenhouse tomatoes: 1 day.
Potatoes, field tomatoes: 7 days.

Application: May be applied through all conventional, ground-based boom spraying equipment. Maintain agitation during mixing and spray application.

Compatibility: Can be tankmixed with fungicides, knockdown insecticides and non-ionic surfactants.



UN3082. CLASS 9. PG III. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROMESIFEN SOLUTION).
Do not carry this product on a passenger service vehicle.

WARNING
KEEP OUT OF REACH OF CHILDREN

Optimite®

An insecticide for the control of two-spotted spider mite in capsicums, greenhouse whitefly in cucumbers and greenhouse tomatoes and tomato/potato psyllid in field tomatoes and potatoes.

Active Ingredient: Contains 240g/litre spiromesifen in the form of a suspension concentrate.

GROUP 23 INSECTICIDE

Registered pursuant to the ACVM Act 1997 No. P9328
See www.foodsafety.govt.nz for registration conditions

In a transport emergency dial 111, Police or Fire Brigade.
For specialist advice in an emergency only call:
0800 734 607 (24 hours).



Net Contents: 5 litres



READ LABEL BEFORE USE



HSNO Classifications: 6.4A, 6.5B, 6.9B, 9.1A.
Approved under the HSNO Act, 1996, HSR101161.
Qualified Person/Contractor: Required.

WARNING: Causes serious eye irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.

PRECAUTIONS: Read label before use. Do not breathe fumes, vapours or spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke while using. Avoid contact with skin and eyes, and inhalation of spray mist. Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers when using. Remove protective clothing and wash hands and exposed skin before meals and after work. Avoid contamination of any water supply with chemical or empty container. Apply this product carefully. Ensure compliance with relevant regional air management plans. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

STORAGE: Store locked up in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs. As a Class 9 Substance with Ecotoxicity Classifications, storage must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed. See Safety Data Sheet for further information.

APPLICATION RATE / FREQUENCY: The maximum application rate of Optimite is 144g of a.i./ha (600mls/ha). Optimite must not be applied more than 2 times per crop cycle per calendar year.

Harmful to some beneficial insects – particularly some foliage dwelling predators which may be used in Integrated Pest Management.

OPTIMITE SHALL NOT BE APPLIED ONTO OR INTO WATER. VERY TOXIC TO AQUATIC ORGANISMS WITH LONG LASTING EFFECTS. Avoid contamination of any water supply with product or empty container. A strategy to minimise spray drift should be employed at all times when applying spray near aquatic environments.

DISPOSAL OF CONTAINER: Triple rinse container and add residue to spray tank. Return clean, empty container to an AgRecovery site for disposal.



FIRST AID: If medical advice is needed, have product container or label at hand. Get medical advice/attention if you feel unwell. **IF ON SKIN:** Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

SPIILLS: Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely (such as to a suitable landfill).

Batch No. and Manufacturing Date: See on packaging

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P.O. Box 535, 407 State Highway 16 Kumeu, Auckland.
Ph: 09 412 9817. Fax: 09 412 9807. www.adria.nz



Notice to Buyer: Careful tests have proved that the product is suitable for the recommended purposes when used in accordance with our instructions. However, since storage and use of product are beyond our control, we do not therefore accept any liability for damage or loss of efficacy which may result from the use of this product, whether used in accordance with the directions or not. We are liable for a consistent quality of the product, but the risk of its storage and use is not borne by us.

RESISTANCE MANAGEMENT: **Optimite** is a **GROUP 23 INSECTICIDE** and is a member of the inhibitors of acetyl CoA carboxylase lipid synthesis, growth regulation mode of action group. Resistance to this insecticide could develop from excessive use. To minimise this risk use strictly in accordance with the label instructions and resistance management strategies that exist for any pest listed on the label. **Optimite** may be applied up to a maximum of 2 times in total per crop cycle. **DO NOT** try to rescue a badly infested crop with this product. **Optimite** should be used in a programme that incorporates insecticides with different modes of action to that of **GROUP 23 INSECTICIDES**. Refer to the NZCPR website (www.nzpps.org/resistance/index.php) for more detailed information.