



**orion** AGRISCIENCE



**COMBUSTIBLE LIQUID | HARMFUL | ECOTOXIC**  
KEEP OUT OF REACH OF CHILDREN

# Apostle<sup>TM</sup>

## INSECTICIDE

For use in a range of FRUIT CROPS and ORNAMENTALS for the control of feeding mite pests.

**Active Ingredient:**

18 g/litre abamectin in the form of an emulsifiable concentrate.



9 421004 531344

**5 Litres**





**PLEASE READ THE LABEL COMPLETELY BEFORE USE**

**HAZARD CLASSIFICATIONS: 3.1D, 6.1D, 6.3B, 6.4A, 6.8B, 6.8C, 6.9B, 9.1A, 9.2C, 9.3B, 9.4A**

**WARNING: FLAMMABLE, TOXIC, ECOTOXIC**

Combustible liquid. May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye and mild skin irritation. May cause reproductive/development damage, or harm to children via breastfeeding, from repeated oral exposure. May cause organ damage following repeated exposure at high doses. Very toxic to aquatic organisms. Harmful to soil organisms and terrestrial vertebrates. Very toxic to terrestrial invertebrates.

**PRECAUTIONS**

**APPROVED HANDLER:** This product must be under the control of an approved handler during use.

**STORAGE:** Keep out of reach of children. Do not store near heat, flame or other source of ignition. Store in the original, tightly closed container, in a secure place away from foodstuffs. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

**PERSONAL PROTECTION:** Avoid contact with eyes and skin. Avoid inhalation of vapour or spray mist. When mixing or applying, wear overalls, chemical resistant boots and gloves, head covering, eye protection and respirator (organic vapour and particulate matter). Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

**USE:** Avoid handling, mixing or use of the undiluted product or container near heat, flame or other source of ignition. Apply with well maintained and calibrated spray equipment.

**DISPOSAL:** Dispose of this product only by using in accordance with this label, or at a suitable landfill. Do not burn. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

**ENVIRONMENTAL:** Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Do not allow spray drift outside the target area to occur. Very toxic to bees – Spray must not contact plants in flower if they are likely to be visited by bees.

**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. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.

**Emergency Response**

In a transport emergency call **111, Police or Fire Brigade**. In a fire, evacuate and call **111 Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMICAL (0800 243 6225)** (24 hrs).

**Spillage**

Extinguish any ignition sources. Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water and detergent, and absorb with further inert material. Dispose of safely to a suitable landfill.

**Safety Data Sheet**

Additional information is provided in the safety data sheet.

Freephone **0800 ORIONAS (0800 674 6627)** or visit

**www.orionagriscience.co.nz.**

**WARRANTY**

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Registered pursuant to the ACVM Act 1997, No. P5961

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSN Act 1996, No. HSR000735

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

<sup>TM</sup> APOSTLE is a Trade Mark of Orion Agriscience Ltd.

**Registrant:** Orion AgriScience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch 8053.

**www.orionagriscience.co.nz.**

**UN 2902**

**PESTICIDE, LIQUID, TOXIC, N.O.S. (MIDACLOPRID 60%)**

**PACKING GROUP III**

**HAZCHEM CODE 2X**

**IN A TRANSPORT EMERGENCY, DIAL 111 POLICE OR FIRE BRIGADE.**

**FOR SPECIALIST ADVICE IN AN EMERGENCY CALL 0800 CHEMICAL (0800 243 622)**

APOSTLE

Batch No:

Date of manufacture:



AGRISCIENCE



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### GENERAL INFORMATION

Apostle is a miticide for use in a range of fruit crops and ornamental plants. As Apostle is absorbed into the leaf, best results are obtained when applied to young, actively growing plant tissue. Apostle is non-systemic, therefore thorough coverage and penetration of foliage is essential. On older leaves the absorption of Apostle is greatly reduced. Apostle is effective only on the feeding stages of mite and has no effect on the eggs.

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

**Ingredients:** Apostle contains 184g/L of abamectin as the active ingredient, and up to 430g/L of Isophorone and 10g/L of BHT.

### DIRECTIONS FOR USE

#### RATE OF APPLICATION

The following rates expressed are for high volume spraying to point of run-off. For concentrated spraying, adjust dilution rate accordingly.

CROP	INSECTS CONTROLLED	RATE OF USE	CRITICAL COMMENTS
Ornamentals: Carnations, Chrysanthemums, Roses and indoor foliage plants.	Two Spotted Mite	25 – 50mls in 100 litres water. Use a minimum of 750ml Apostle per ha	Apply at first appearance of mite and then again 7 - 10 days later. Make no more than 3 applications per season. Do NOT apply to ferns or Shasta daisies. If unsure of crop safety, or tolerance is not known, apply to a few plants before spraying crop.
Strawberries	Two Spotted Mite	100ml in 100 litres water. Use a minimum of 600ml Apostle per ha	Apply at first appearance of mite once numbers exceed 3 - 5 mites per leaf, and then again 7 - 10 days later. Make no more than 3 applications per season.
Tomatoes -indoor	Two Spotted Mite Tomato Russet Mite	60 - 90ml in 100 litres water.	Use a minimum of 500 litres of water per ha and use the highest rate under high mite pressure or when Tomato Russet Mite is the main pest. Apply at first appearance of mite, and then again 7 - 10 days later. Make no more than 3 applications per season.
Kiwifruit	Leafrollers	25ml in 100 litres water plus non-ionic surfactant at label rates. Use a minimum rate of 500ml/ha of Apostle	Spray to the point of run-off (approximately 2000 litres/ha). First apply Apostle immediately after flowering followed by 2 further applications 14 days apart. Further applications if needed should be made at 3 week intervals. Do NOT tank mix or apply with any foliar nutrients.

APOSTLE



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CROP	INSECTS CONTROLLED	RATE OF USE	CRITICAL COMMENTS
Pipfruit: Apples and Pears	Two Spotted Mite European Red Mite	37.5ml in 100 litres water plus non-ionic surfactant at label rates OR 500ml per 100 litres water all purpose spraying oil. Do NOT exceed a total dose of 1.5 litres/ha Apostle or 10 litres/ha all purpose spraying oil.	Make only one application per season, between petal fall and mid December. <b>CROP SAFETY:</b> Do NOT use any all purpose spraying oil 21 days before or after an application of Captan. Use a non-ionic surfactant instead. Do NOT make applications with a non-ionic surfactant or any spray oils under (1) hot conditions, (2) poor or slow drying conditions or (3) with equipment which leaves a large droplet on fruit after application. <b>CAUTION:</b> Care should be taken when using Apostle and a non-ionic surfactant, or any other all purpose spraying oil on sensitive varieties of apples and pears. Damage may occur.
Avocados	Six spotted mite	37.5ml in 100 litres water plus non-ionic surfactant at label rates OR 500ml per 100 litres water all purpose spraying oil.	Apply in early spring at the first appearance of mites, and then again 14 – 28 days later. Make no more than 3 applications per season.
Potatoes	Tomato/ Potato Psyllid	600ml/ha plus a suitable adjuvant	Spray at the first sign of infestation. Ensure complete spray coverage and penetration into the crop. Poor coverage can result in poor efficacy. Apply a maximum of 4 sprays per season at weekly intervals as part of a complete control programme.

### MIXING

Add the required quantity of Apostle to the partly filled spray tank and add the remaining water. When tank mixing oils with Apostle, add oil once Apostle is thoroughly mixed.

### COMPATIBILITY

Apostle is compatible with most commonly used agrichemicals. Caution should be taken when using a non-ionic surfactant or spraying oil in a tank mix with Apostle. Damage may occur, particularly to sensitive varieties of apples and pears.

### RAINFALL

Do not apply if rain is expected before spray can fully dry on leaf surface.

### WITHHOLDING PERIODS

Avocados	14 days
Apples and Pears	14 days
Kiwifruit	120 days
Strawberries	3 days
Tomatoes	3 days
Export Crops	Contact your exporter or industry crop adviser.

### RESISTANCE MANAGEMENT

**GROUP 6 INSECTICIDE**

Apostle contains abamectin, which belongs to the avermectin chemical family. Resistance to this insecticide could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the insect pests listed on this label.