

HARMFUL - ECOTOXIC
KEEP OUT OF REACH OF CHILDREN

The logo for Vanttal features a stylized blue flame-like icon on the left, followed by the word "Vanttal" in a bold, blue, sans-serif font. A registered trademark symbol (®) is located at the top right of the word.

GROUP 6 INSECTICIDE
MITICIDE

ACTIVE INGREDIENT:

18g/litre abamectin in the form of an oil in water emulsion.

For mite control on avocados, pipfruit, indoor tomatoes, strawberries and ornamentals. For leafroller control on kiwifruit and tomato - potato psyllid on potatoes.

NET CONTENTS: 5 LITRES

CHM005WMI

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Hudson Rd, New Plymouth, NZ Tel: 06 755 9234
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The Cheminova logo features a stylized blue and green circular icon to the left of the word "CHEMINOVA" in a bold, uppercase, sans-serif font.

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Lift for full instructions ▼

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GENERAL INFORMATION: Vantal is not systemic, therefore thorough coverage is essential. After application, Vantal quickly moves into young leaves from where it is taken up by the feeding mites and leafrollers and tomato - potato psyllid. Vantal takes about 7 days to achieve maximum control. DO NOT apply if rainfall is expected before spray would have dried, as reduced efficacy may result. DO NOT overhead irrigate within 24 hours after application.

CROP MONITORING: For effective mite control, regularly monitor crops every 3 to 5 days during the season. For effective Leafroller control, regularly monitor crops during the season.

RESISTANCE MANAGEMENT: GROUP 6 INSECTICIDE Vantal contains an insecticide with a chlorine channel activation mode of action. Development of resistant strains of mites and insects to this insecticide could develop from excessive use. To minimize this risk, use Vantal strictly in accordance with label directions. When used for the control of mites it is recommended to alternate the use of Vantal with products from other chemical groups.

INTEGRATED PEST MANAGEMENT: Vantal is compatible with IPM programmes using the predator mites *Typhlodromus pyri*, *Phytoseiulus persimilis* and *T. occidentalis* (although Vantal may suppress numbers temporarily).

ENVIRONMENTAL INFORMATION: DO NOT apply when weather conditions favour drift from the target area. Toxic to fish and other water-borne organisms. When Vantal comes into contact with soil it readily and tightly binds to the soil and

It is an offence to use this product on animals.

DIRECTIONS FOR USE:

The rates suggested are for high volume spraying to run-off. For concentrate spraying adjust dilution rate accordingly.

CROP	PEST	RATE	CRITICAL COMMENTS
Apples, Pears	European red mite Two-spotted mite	37.5 ml plus 500 ml all purpose spraying oil/100 litres of water. Alternatively, mix with a non-ionic surfactant at label rates.	Apply a minimum of 2000 litres of spray mixture/sprayed hectare. Note - DO NOT exceed 1.5 litres Vantal or 10 litres of spraying oil per hectare. For optimum residual control, apply before there is a build up of mite populations in the period from petal fall to mid-December. Make only one application per season. Crop Safety: All purpose spraying oils may cause damage to sensitive varieties such as Cox's Orange, Gala and Anjou pears. DO NOT use all purpose spraying oil within 21 days before or after spraying captan. Use a non-ionic surfactant when a captan based spraying programme is in use in the orchard, as captan is not compatible with oil based applications. Please refer to the label precautions and directions of other products before mixing with VANTAL. Caution- DO NOT apply VANTAL <ul style="list-style-type: none"> • When unusually hot conditions are present or expected within 24 hours after application. • Under poor or slow drying conditions. • With equipment that may leave large droplets on fruit after application.

CROP	PEST	RATE	CRITICAL COMMENTS
Avocados	Six-spotted mite	37.5 ml plus 500 ml all purpose spraying oil/100 litres of water. Alternatively, mix with a non-ionic surfactant at label rates.	For optimum residual control, apply in early spring before there is a build up of mite populations. The first application should be made when mites are first found and before severe infestation and defoliation has occurred. Subsequent applications should be made at 14-28 day spray intervals. To prevent resistance developing apply a maximum of 3 applications per season.
Kiwifruit	Leafrollers	25 ml/100 litres of water plus a nonionic surfactant at label rates. Spray to the point of run off (approx. 2000 litres /ha) ensuring not less than 500 ml Vantal/ crop hectare.	Apply immediately after flowering, followed by 2 further sprays at 14 day intervals. Further applications should be made at 3 week intervals or if monitoring shows a need. The final spray must NOT be made within 120 days of harvest. DO NOT mix any foliar fertilisers or nutrient products with Vantal on kiwifruit.
Ornamentals (roses, chrysanthemum, carnations, indoor foliage plants)	Two-spotted mite	25 to 50 ml/100 litres of water. Apply a minimum of 750 ml Vantal/ha.	Ensure thorough coverage and penetration into the plants, particularly the undersides. Use the higher rate under high mite pressure. Apply on the first appearance of the pest. Make two applications 7 to 10 days apart, with a maximum of 3 applications per season. Crop Safety: DO NOT use on ferns or Shasta daisies. If unsure of crop safety, apply to a few plants first before spraying the rest of the crop.
Potatoes	Tomato-potato psyllid	600 ml/ha plus a suitable adjuvant at label rates	Apply at the first appearance of the pest. Ensure complete penetration and coverage of the crop as inadequate coverage can result in reduced pest control. Make a maximum of four applications per season at 7 day intervals as part of a pest control programme.
Strawberries	Two-spotted mite	100 ml/100 litres of water. Apply a minimum of 600 ml Vantal/ha.	Apply at the first appearance of mites when numbers exceed 3 to 5 mites/leaf. Make two applications 7 to 10 days apart, with a maximum of 3 applications per season. Ensure thorough coverage of the plants.

Tomatoes (indoor)	Two-spotted mite, Tomato russet mite	60 to 90 ml/100 litres of water. Apply a minimum of 300 to 450 ml Vantal/ha and a minimum of 500 litres of water/ha.	Apply on the first appearance of mites. Use the higher rate under high mite pressure and where russet mite is obvious or the main mite present. Apply a maximum of 3 applications per season.
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It is an offence for users of this product to cause residues exceeding the relevant MRL in New Zealand (Maximum residue limits of agricultural compounds) Food standards.

WITHHOLDING PERIODS: Avocados and pipfruit: 14 days. Kiwifruit: 120 days. Strawberries and Tomatoes: 3 days. Potatoes: 14 days.

MIXING: Add the required amount of **Vantal** to the partly filled spray tank, and then add the remainder of the water. If oil is recommended, add this after the **Vantal** is well mixed. A wetting agent is NOT required in strawberries, tomatoes or ornamentals.

COMPATIBILITY: **Vantal** is compatible with most of the commonly used insecticides and fungicides. Mixtures with more than one chemical are NOT recommended. All mixtures should be tested prior to use.

EQUIPMENT: Apply using well maintained and accurately calibrated spray equipment.

NOTICE TO BUYER: The manufacturer and vendors of **Vantal** warrant the formulation to contain the specified active ingredient within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.

REGISTERED TO: Cheminova (NZ) Limited, 141 Powderham St, New Plymouth City Centre, New Plymouth, 4310 New Zealand.

EMERGENCY PHONE: 0800 CHEMCALL 0800 243 6225



PLEASE READ THE LABEL COMPLETELY BEFORE USE

HSNO CLASSIFICATION

6.1D, 6.8B, 6.8C, 6.9B, 9.1A, 9.2C, 9.3C, 9.4A

WARNING: This substance may be harmful if swallowed, inhaled or absorbed through the skin. May cause skin and eye irritation, avoid contact with the skin and eyes.

May cause reproductive/development and organ damage from repeated oral exposure.

FIRST AID: If swallowed DO NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. DO NOT scrub the skin. If splashed in eyes, wash out immediately with water for at least 15 minutes. If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

APPROVED HANDLER: This product must be under the control of an approved handler during use. This product must not be used for any purpose or in any manner, contrary to this label, unless authorised under appropriate legislation.

PERSONAL PROTECTION: Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear suitable protective clothing, including face shield, waterproof gloves, eye protection, boots and overalls. Do not eat, drink or smoke while using. Wash splashes of concentrate from skin immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

ECOTOXIC: Very toxic to aquatic organisms. Avoid contamination of any water supply with chemical or empty container. Toxic to terrestrial vertebrates. Very toxic to terrestrial invertebrates. Harmful to the soil environment.

STORAGE: Store in original container, tightly closed and in a locked, dry, cool area away from sources of ignition and foodstuffs, avoiding direct sunlight and temperatures above 30°C. Store in accordance with NZS 8409 Management of Agrichemicals.

SHELF LIFE: When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

DISPOSAL: Triple rinse empty container and add rinsate to the spray tank. If recycling, replace cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in a suitable landfill. Dispose of product only by using according to the label, or at an approved landfill.

SPILLAGE: Wear appropriate protective clothing. Extinguish all ignition sources, exclude all bystanders from the vicinity of the spill, and prevent material from entering waterways or coming into contact with class 1, 2, 3.2, 4 and 5 substances. Contain liquid spills and absorb with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

MATERIAL SAFETY DATA SHEET: Additional information is listed in the MSDS available from Zelam Ltd or www.zelam.co.nz.

ERMA NEW ZEALAND: Approved pursuant to the HSNO Act 1996, Approval Code HSR100382.

See www.epa.govt.nz for approval controls.

