

WARNING
KEEP OUT OF REACH OF CHILDREN



ADAMA

MAVRIK[®] AQUAFLO
INSECTICIDE

GROUP 3 INSECTICIDE

A synthetic pyrethroid insecticide for the control of insect pests in fruit, vegetable, arable, ornamental, potato and cereal crops

READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING

ACTIVE INGREDIENT:

Contains 240 g/L TAU-FLUVALINATE in the form of an oil in water emulsion, also contains 93 g/L ETHYLENE GLYCOL

ADAMA New Zealand Limited
Level 1, 93 Bolt Road
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

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1 L, 5 L

REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.**HAZARD CLASSIFICATIONS: 6.1D, 6.9B, 9.1A, 9.3C****PCBU RESPONSIBILITIES**

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

QUALIFICATIONS REQUIRED FOR APPLICATION OF CLASS 9 SUBSTANCES

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified, or must receive guidance and, if required, assistance from a suitably qualified person.

Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for a list of suitable qualifications.

RECORD KEEPING

A PCBU with management or control of the substance must ensure that a written record is kept of each application of this substance. This record must include the product name, date and time of each application, amount of substance applied, location where the substance was applied, wind speed and direction and electronic data files indicating the application area (if applied by air), and details of measures taken to ensure no adverse effects beyond the boundary of the application area.

WARNING

Harmful if swallowed.

May cause damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life with long lasting effects.

Harmful to terrestrial vertebrates.

HANDLING PRECAUTIONS

Keep out of reach of children.

Do not eat, drink or smoke while using.

Do not breathe spray mist.

Wash exposed skin thoroughly after handling.

EQUIPMENT

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

STORAGE

Store in the original, tightly closed container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. Secondary containment and emergency response plans are required where 100 L or more of this product are stored. Refer to the product SDS for further information.

SHELF LIFE

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 any product that is older than this.

PERSONAL PROTECTION

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, eye protection, impervious, elbow-length gloves and boots. Wash hands, arms and face with soap and water before meals and after work. Wash protective clothing after use.

SPILLAGE

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the personal protection section of this label to clean up spills. Absorb liquid spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent. Then absorb any remaining liquid

with further inert material. Dispose of the waste safely in an approved landfill.

DISPOSAL

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

Product Disposal - Dispose of this product only by using according to the label, or through the Agrecovery® Chemical Recovery service or other approved facility.

FIRST AID

If medical advice is needed, have product container or label at hand.

For advice or if you feel unwell, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

IF SWALLOWED: Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

CONDITIONS OF SALE

ADAMA New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of ADAMA New Zealand Limited is limited to the replacement of the goods or (at the option of ADAMA New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to ADAMA New Zealand Limited within thirty days of delivery.



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Registered pursuant to the ACVM Act 1997, No. P7278

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR000316

See www.epa.govt.nz for approval controls

Mavrik is a registered trademark of an ADAMA Group Company.



Label

EMERGENCY RESPONSE
(All hours)
Ring from anywhere in New Zealand
0800 734 607

In a Transport
Emergency
Phone 111
Police or Fire

Batch Number:

Date of Manufacture:

Bar code to be inserted

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SAFETY DATA SHEET

A Safety Data Sheet for this product is available from ADAMA New Zealand Limited on request. Call 03 543 8275.

PRODUCT INFORMATION

MAVRIK AQUAFLO INSECTICIDE is a potent, broad spectrum, synthetic pyrethroid insecticide with contact action against various insect pests in a range of horticultural and arable crops and on ornamentals.

When MAVRIK AQUAFLO INSECTICIDE is applied during non-foraging periods, applications will not interfere with the activity of honey-bees once spray has dried.

DIRECTIONS FOR USE

TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA.

Do not apply onto or into water.

It is an offence to use this product on animals.

FRUITS, VEGETABLES AND ORNAMENTAL CROPS

The rates suggested per 100 L water are for high volume spraying to run-off. For concentrate spraying adjust the dilution rate accordingly. To ensure good control, complete coverage is necessary, especially on dense crops or where leaves are damaged or curled.

CROP	PEST	RATE	CRITICAL COMMENTS
Avocados	Leafrollers	20 mL/100 L water	Apply at early flowering, with a second application 3-4 weeks later if required. Ensure a minimum of 400 mL MAVRIK AQUAFLO INSECTICIDE/ha. The addition of a wetting agent is recommended.
Cabbages	White butterfly, diamondback moth	30 mL/100 L water	Apply with wetting agent as soon as pests first appear and repeat at 10-14 day intervals. Ensure a minimum of 300 ml MAVRIK AQUAFLO INSECTICIDE/ha. Use 700-1,000 L water/ha, using the higher water rate as the crop matures.
Cherries, peaches, plums	Black cherry, leafcurl plum and green peach aphids	20 mL/100 L water	Apply with oil at bud movement. A second application may be made before shuck fall if required.

CROP	PEST	RATE	CRITICAL COMMENTS
Grapes	Thrips	40 mL/100 L water	Apply as a single spray just before flowering, ensuring a minimum of 400 mL MAVRIK AQUAFLO INSECTICIDE/ha. The addition of a wetting agent is recommended if MAVRIK AQUAFLO INSECTICIDE is applied alone.
Kiwifruit	Leafrollers	20 mL/100 L water	Apply pre-flowering ensuring a minimum of 300 mL MAVRIK AQUAFLO INSECTICIDE/ha. DO NOT apply after bud cracking (first visible petals).
Nectarines	Thrips	20 mL/100 L water	Make 2-3 applications from pink to shuck fall at 10-14 day intervals. The addition of a wetting agent is recommended if MAVRIK AQUAFLO INSECTICIDE is applied alone.
Onions	Thrips	300 mL/ha	Apply at first appearance of the pest and repeat at 14-21 day intervals or as required. For maximum control, ensure uniform coverage of the crop.
Ornamentals, cut flowers	Aphids, caterpillars, thrips, whitefly	20-40 mL/100 L water	Apply at first appearance of pest and repeat at 7-14 day intervals or as required. Use the higher rate for the control of thrips.
	European red mite, two-spotted mite	40 mL/100 L water	A second application can be made 10-14 days after initial application. Ensure good coverage, especially on the underside of leaves.
Potatoes	Aphid	750 mL/ha in 200-500 L water to ensure good coverage of foliage. The addition of a suitable adjuvant such as Actiwett† is recommended to ensure good coverage.	Apply at the first sign of aphid presence as either a single application or multiple applications on a 7-14 day interval. Use the shorter interval under higher aphid pressure. If more than three applications are required, rotate MAVRIK AQUAFLO INSECTICIDE with an insecticide from another mode of action group prior to applying further sprays of MAVRIK AQUAFLO INSECTICIDES or other synthetic pyrethroids.
	Tomato potato psyllid		Apply MAVRIK AQUAFLO INSECTICIDE as a part of a season long spray program for the management of TPP. The first application should be made on first appearance of pest and prior to high population densities of TPP becoming established in the crop. Additional sprays are to be made on 7-14 day intervals, with the shorter interval used under higher psyllid pressure. After up to three applications of MAVRIK AQUAFLO INSECTICIDE, rotate with a registered TPP insecticide from a different mode of action group prior to another application of MAVRIK AQUAFLO INSECTICIDE.
Tamarillos	Whitefly, green peach aphid	20 mL/100 L water	Apply after pruning before pest damage occurs. Repeat applications at 14 day intervals or as required. Good weed control will also assist by removing alternative whitefly host plants.
Tomatoes (field)	Tomato fruitworm, green peach aphid	20-30 mL/100 L water OR	Apply with wetting agent as soon as pests first appear and repeat at 7-14 day intervals. Early in the season apply the lower rate in

CROP	PEST	RATE	CRITICAL COMMENTS
		150-250 mL/ha	500 L water, increasing to the higher rate in 1,000 L water/ha as the crop matures.

ARABLE CROPS

Complete coverage is necessary to ensure good control, especially on dense crops or where leaves are damaged or curled. Adjust water rate according to crop canopy density to achieve thorough coverage.

CROP	PEST	RATE	CRITICAL COMMENTS
Cereals	Cereal aphid, rose grain aphid	75-150 mL/ha	To control aphids and prevent transmission of Barley Yellow Dwarf Virus (BYDV), apply after crop emergence when aphids first appear, with a second application after 14 days if aphids continue to migrate into the crop, up to the end of tillering. Apply the higher rate if aphid pressure is high and/or longer residual activity is required. Do not apply more than two applications per crop.
Clover seed crops	Clover case bearer moth, blue green lucerne aphid	150 mL/ha	Apply in early December for clover case bearer moth, or when aphids appear in the crop. The addition of a wetting agent is recommended.
Oil seed rape	Grey cabbage aphid		Apply at first appearance of the pest in the crop. May be applied during bee non-foraging periods. The addition of a wetting agent is recommended.
Fodder beet; Sugar beet; Mangolds	Cutworm Wheat bug (Nysius)	150 mL/ha	Apply at crop seedling stage only. Apply at first sign of pest presence, ensuring good coverage of plants and surrounding soil. Repeat after 14 days if required.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residues Levels for Agricultural Compounds.

WITHHOLDING PERIODS

Avocados:	14 days
Cabbages:	3 days
Cereals (grain):	Up to the end of tillering. DO NOT use on cereal crops intended for green feed including silage.
Cherries, nectarines, peaches, plums:	DO NOT apply later than shuck fall.
Clover seed:	56 days
Grapes:	DO NOT apply after start of flowering.
Fodder beet, sugar beet, mangolds:	Apply at crop seedling stage only.
Kiwifruit:	DO NOT apply after bud cracking (first visible petals).
Oil seed rape:	63 days
Onions:	14 days
Potatoes:	7 days
Tamarillos:	60 days

Tomatoes (field):

3 days

CROP SAFETY

No phytotoxicity has been observed on a wide range of ornamental flowers and foliage, including cut flowers. However, it may be advisable to treat a few plants of each variety first, to confirm crop safety, particularly if using concentrate spraying.

MIXING

Add the required amount of MAVRIK AQUAFLO INSECTICIDE to water and mix well. Maintain agitation while spraying. Use diluted spray mixtures within 24 hours. Commonly used wetting agents are recommended to enhance wetting of hard-to-wet foliage.

COMPATIBILITY

MAVRIK AQUAFLO INSECTICIDE is compatible with most commonly used pesticides except highly alkaline materials such as Bordeaux mixture and lime sulphur.

RESISTANCE MANAGEMENT

MAVRIK AQUAFLO INSECTICIDE contains the GROUP 3 synthetic pyrethroid insecticide, tau-fluvalinate. To minimise the risk of resistance development do not use another product containing an insecticide in the same group in conjunction with MAVRIK AQUAFLO INSECTICIDE and use strictly in accordance with label directions. Consult <https://resistance.nzpps.org/> for current resistance management strategies for listed pests.

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