

WARNING
KEEP OUT OF REACH OF CHILDREN
ECOTOXIC



MAVRIK[®] DUO

GROUP 1 | 3 INSECTICIDE

Crops: Arable, fruit, vegetable and cereal crops as listed in the Directions for Use
Controls/Suppresses: Aphids, Clover case bearer moth, Thrips

ACTIVE INGREDIENTS:

Contains 18 g/L TAU-FLUVALINATE and 50 g/L PIRIMICARB
in the form of an oil in water emulsion

CARBAMATE-CONTAINING SUBSTANCE

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

NET CONTENTS
1 – 200L;
15L

ADAMA

Refer to booklet for full label instructions.

HAZARD CLASSIFICATIONS

HSNO Classification: 6.1E, 6.9B, 9.1A, 9.4C



TOXIC - CHRONIC



ECOTOXIC

APPROVED HANDLER – this substance must only be applied by an approved handler, or under the direct supervision of an approved handler

RECORD KEEPING

Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

WARNING

May be harmful if swallowed.

May cause damage to organs through prolonged or repeated exposure. Do not breathe spray mist or vapours.

ECOTOXICITY

Very toxic to aquatic organisms. Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.

Harmful to terrestrial vertebrates.

Harmful to bees. Do not apply this product to any plant or tree likely to be visited by bees (a) at the time of application; or (b) immediately after application until spray has dried; or (c) in areas where bees are foraging.

HANDLING PRECAUTIONS

Keep out of reach of children.

Do not eat, drink or smoke while using.

Equipment

Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZ8409).

Storage

Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs. Store locked up.

As a Class 9 Substance with Ecotoxicity Classifications storage of MAVRIK DUO Insecticide 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 (NZ8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations. See Safety Data Sheet for further information.

Personal Protective Equipment

When mixing, loading or applying (except when applying from a fully-enclosed cab with safety devices to prevent contact with or inhalation of the substance), or entering an application area within the Restricted Entry Interval (REI), the following protective clothing must be worn: chemical resistant coveralls, gloves and footwear, protective eyewear and chemical resistant headgear for overhead exposures. 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 above to clean up spills. Absorb spill 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 according to Local and national regulations, using a licensed waste disposal company.

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

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

IF SWALLOWED: Contact a POISON CENTRE or doctor if you feel unwell.

IF IN EYES OR ON SKIN: Rinse with plenty of water for 15 minutes.

IF INHALED: Contact a POISON CENTRE or doctor for advice.

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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See www.foodsafety.govt.nz for registration conditions

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See www.epa.govt.nz for registration conditions

Mavrik® is a registered trademark of an ADAMA Group Company.



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 at adama.com or from Adama New Zealand Limited on request. Call 03 543 8275.

A strategy to minimise spray drift should be employed at all times when applying spray near aquatic environments.

GENERAL INSTRUCTIONS

MAVRIK DUO is a broad spectrum insecticide that is active against a variety of insect pests in a range of horticultural and arable crops. It has contact, fumigant and residual activity against listed pests.

POLLINATORS

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

DIRECTIONS FOR USE

It is an offence to use this product on animals.

The person applying this substance must not cause adverse effects beyond the boundary of the treated property, and must also avoid adverse effects from spray drift occurring. Mitigation measures employed must be recorded as part of the application records.

All crops

Complete spray coverage is necessary for optimum insect control, especially on dense crops or where leaves are damaged or curled.

CROP	PEST	RATE	CRITICAL COMMENTS
Cabbages	Aphids	2.5 L/ha	Apply with wetting agent as soon as pests first appear and repeat at 10-14 day intervals. Use 200 litres of water per hectare, increasing up to 1000 litres water/ha if required. Use the higher water rate as the crop matures.
Cereals	Cereal Aphid, Rose Grain Aphid	1 – 2 L/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 in a minimum of 200 litres of water per hectare. Use the higher rate if aphid pressure is high and/or longer residual activity is required. Do not apply more than two applications per crop.
Cherries, Peaches, Plums	Black cherry, Leaf curl plum, Green peach aphids	250 mL / 100 L water	Apply with oil at bud movement. A second application may be made before shuck fall if required. Apply in a minimum of 2000 L water per hectare
Nectarines	Thrips		Make 2-3 applications from pink to shuck fall at 10-14 day intervals. The addition of a wetting agent is recommended if MAVRIK DUO is applied alone.
Clover seed crops	Clover casebearer moth, Bluegreen lucerne aphid	2 L/ha	Apply in early December for clover casebearer moth, or when aphids appear in the crop. The addition of a wetting agent is recommended. Avoid direct contact with bees by applying when bees are NOT foraging.

CROP	PEST	RATE	CRITICAL COMMENTS
Oil seed rape	Aphids	2 L/ha	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. Use 200 to 250 litres of water per hectare for spraying.
Potatoes	Aphids	5.0 L/ha	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 and high rate under higher aphid pressure. If more than three applications are required, rotate MAVRIK DUO with an insecticide from another mode of action group prior to applying further sprays of MAVRIK DUO or other synthetic pyrethroids. Apply in 200-500 litres of water per hectare to ensure good coverage of foliage. The addition of a suitable adjuvant such as Actiwett [†] at 25 mL/100 L spray volume is recommended to ensure good coverage.
Tomatoes (field)	Aphids	2.5 L/ha	Apply with wetting agent as soon as aphids first appear and repeat at 7-14 day intervals.

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

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 crops	DO NOT harvest or graze for 56 days after application
Oil seed rape	DO NOT harvest or graze for 63 days after application
Potatoes	7 days
Tomatoes (field)	3 days

RESTRICTED ENTRY INTERVAL (REI):

The REI for this substance is 24 hours. The person in charge of the application area shall ensure that no person who is authorised to be there enters the application area until the end of the REI, unless wearing Personal Protective Equipment as described in the HANDLING PRECAUTIONS section of this label for the purpose of carrying out tasks associated with ventilation of indoor treated areas.

MIXING

Add the required amount of MAVRIK DUO into a partly filled spray tank and agitate the spray mixture while adding remaining water. Maintain agitation while spraying and during stoppage. Use diluted spray mixtures within 24 hours. The addition of commonly used wetting agents is recommended to enhance wetting of hard-to-wet foliage.

COMPATIBILITY

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

RESISTANCE

The active ingredients of Mavrik Duo consist of tau-fluvalinate, a synthetic pyrethroid belonging to the Group 3A class of insecticides and pirimicarb a Group 1A carbamate insecticide. Some naturally occurring insect biotypes resistant to Group 3A and 1A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if Mavrik Duo is used repeatedly. The effectiveness of Mavrik Duo on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Adama New Zealand Ltd accepts no liability for any losses that may result from the failure of Mavrik Duo to control resistant insects. Mavrik Duo may be subject to specific resistance management strategies. For further information contact your local supplier, Adama representative or industry consultant

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†Other registered trademark