

CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

MILBEKNOCK® MITICIDE

ACTIVE CONSTITUENT: 9.3 g/L MILBEMECTIN
SOLVENT: 372 g/L HYDROCARBON LIQUID

GROUP	6	INSECTICIDE
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For the control of two-spotted mite on capsicums, chili peppers, eggplant, pome fruit, stone fruit, strawberries and tomatoes plus European red mite on pome fruit, and for the control of certain mites on Ornamentals as per the Directions For Use table.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT

APVMA APPROVAL NO: 61269/125843

CONTENTS: 1L, 5L, 10L, 20L



Sipcam Pacific Australia Pty Ltd
Level 1, 191 Malop Street
Geelong VIC 3220

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MILBEKNOCK MITICIDE

STORAGE AND DISPOSAL

Store in the closed original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

May irritate skin. Will irritate the eyes. Avoid contact with eyes and skin. When opening the container, preparing spray, and using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves and face shield or goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves and face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, DO NOT induce vomiting.

SAFETY DATA SHEET

For further information refer to Safety Data Sheet which can be obtained from the supplier or by visiting - www.sipcam.com.au.

NOTICE TO BUYER

This product must be used in accordance with the directions for use. Where this product is not a good of a kind ordinarily acquired for personal, domestic or household use or consumption under the Australian Consumer Law, Sipcam's liability for any direct, indirect or consequential loss which you incur, including, without limitation, loss or damage to crop, loss of equipment, property damage, personal injury or death is limited, at Sipcam's option, to the replacement of the product or the supply of an equivalent product. By opening this package, you agree to be bound by these terms. If you do not agree to these terms, please return the entire unopened package intact to Sipcam or the place in which you purchased this product for a full refund.

Date of Manufacture:

Batch Number:

This product is classified as a Dangerous Good under the Australian Code for the transport of Dangerous Goods by road and rail.

FOR SPECIALIST ADVICE, CONTACT EMERGENCY RESPONSE COORDINATOR: **1800 033 111** (24 HOURS)



G.H.S STATEMENT

HAZARD STATEMENT: H302 - Harmful if swallowed. H304 - May be fatal if swallowed and enters airways. H332 - Harmful if inhaled. H340 - May cause genetic defects. H350 - May cause cancer. H372 - Causes damage to organs through prolonged or repeated exposure

PREVENTION: Avoid breathing dust / fume / gas / mist / vapours / spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.

RESPONSE: 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. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

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This leaflet is part of the label

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Level 1, 191 Malop Street
Geelong VIC 3220**

DIRECTIONS FOR USE

Restraints:

DO NOT apply if rainfall or irrigation is expected before the MILBEKNOCK spray has time to dry on the leaves.
 DO NOT apply by aircraft.
 DO NOT use on indoor plants or outdoor plants such as ferns that are known to be sensitive to pesticide sprays.
 Pome fruit: DO NOT apply more than one application per season.

Spray Drift Restraints:

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.
 DO NOT allow bystanders to come into contact with the spray cloud.
 DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.
 DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.
 DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- Spray droplets are not smaller than a FINE spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas are observed (see the following table titled 'Buffer zones for boom sprayers').

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones	
		Natural aquatic areas	Pollinator areas
Up to 1.5 L/ha (ornamentals, strawberries)	0.5 m or lower	20 metres	Not required
	1.0 m or lower	65 metres	15 metres
Up to 1.0 L/ha (fruiting vegetables)	0.5 m or lower	15 metres	Not required
	1.0 m or lower	50 metres	10 metres

DO NOT apply by a vertical sprayer unless the following requirements are met:

- Spray is not directed above the target canopy.
- The outside of the sprayer is turned off when turning at the end of rows and when spraying the outer row on each side of the application site.
- For dilute water rates up to the maximum listed for each type of canopy specified, minimum distances between the application site and downwind sensitive areas are observed (see the following table titled 'Buffer zones for vertical sprayers').

Buffer zones for vertical sprayers

Type of target canopy and dilute water rate	Mandatory downwind buffer zones		
	Natural aquatic areas	Pollinator areas	Livestock areas
2 metres tall and shorter, maximum dilute water rate of 1000 L/ha	5 metres	Not required	30 metres
Taller than 2 metres (not fully-foliated), maximum dilute water rate of 1500 L/ha	20 metres	5 metres	30 metres
Taller than 2 metres (fully-foliated), maximum dilute water rate of 1500 L/ha	10 metres	Not required	30 metres

Crop	Pest	Rate	Comments
Pome fruit	European Red Mite (<i>Panonychus ulmi</i>) Two-spotted Mite (<i>Tetranychus urticae</i>)	Dilute Spraying 100-125 mL/100L plus 25mL/100L of a 60% non-ionic surfactant	DO NOT apply more than one application per season. Use the higher rate on larger, mature trees with dense foliage or when there is a high population of mites. Application should be made soon after mite numbers have reached the threshold for your area. For European red mite, apply from 2 weeks after petal fall if monitoring shows high numbers of overwintering European red mite eggs. MILBEKNOCK takes 7-14 days to reach maximum mite control. In the absence of predatory mites, re-treatment with another miticide may be necessary. Dilute Spraying: Spray to wet foliage to near the point of run-off. Thorough coverage and penetration into plant canopy is essential. Concentrate spraying: Refer to the Mixing/ Application section.
Stone fruit	Two-spotted Mite (<i>Tetranychus urticae</i>)	Dilute Spraying 100-125mL /100 L plus 25 mL/100L of a 60% non-ionic surfactant	DO NOT apply more than 2 applications per season. Use the higher rate on larger, mature trees with dense foliage or when there is a high population of mites. Application should be made soon after mite numbers have reached the threshold for your area. MILBEKNOCK takes 7-14 days to reach maximum mite control. In the absence of predatory mites, re-treatment with another miticide may be necessary. A second application of MILBEKNOCK may be applied per season. DO NOT apply the second application of MILBEKNOCK within 7 days of the first and do not apply 2 consecutive sprays within or between seasons or crops without an unrelated chemical being used in between. Dilute Spraying: Spray to wet foliage to near the point of run-off. Thorough coverage and penetration into plant canopy is essential. Concentrate spraying: Refer to the Mixing/ Application section.
Capsicums (sweet peppers), eggplants, chili peppers, tomatoes		Dilute Spraying 100 mL /100 L Boom application 1.0L/ha	Thorough coverage and penetration into plant canopy is essential. Preferably apply on first appearance of mites. When applied early, one application may be sufficient to give effective control. However, if mite numbers exceed local threshold levels a second application may be required. MILBEKNOCK should not be applied in 2 consecutive sprays within or between seasons or crops without an unrelated chemical being used in between.
Strawberries		Dilute Spraying 125 mL /100L	Refer to notes on Resistance under the General Instructions section of the label. Capsicums (sweet peppers), eggplants, chili peppers, tomatoes: DO NOT apply a second application within 14 days of the first.
Ornamentals, including roses, chrysanthemums and carnations		125mL/100L	Spray to wet foliage to near the point of run-off. Thorough coverage and penetration into plants is essential. Total volume of application should be 500-1200 L/ha depending on the size of the plants and the denseness of the foliage. Preferably apply on first appearance of mites. When applied early, one application may be sufficient to give effective control. However, if mite numbers exceed local threshold levels a second application 14 days later may be required. Apply no more than 2 sprays of MILBEKNOCK per season. If retreatment is required after 2 consecutive sprays with MILBEKNOCK, use an approved miticide from a different chemical group. For ornamentals not listed on the label, small test applications to assess for unexpected phytotoxicity should be made before spraying the whole crop. Refer to notes on Resistance under the General Instructions section of the label.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS:

Stone fruit	DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION DO NOT ALLOW LIVESTOCK TO GRAZE IN TREATED AREAS
Pome fruit	DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION DO NOT ALLOW LIVESTOCK TO GRAZE IN TREATED AREAS
Strawberries	DO NOT HARVEST FOR 1 DAY AFTER APPLICATION
Capsicums, tomatoes, eggplant, chili peppers	DO NOT HARVEST FOR 1 DAY AFTER APPLICATION
Ornamentals	NOT REQUIRED WHEN USED AS DIRECTED DO NOT HARVEST, GRAZE OR CUT FOR STOCK FOOD

EXPORT TRADE ADVICE

Treated crop commodities destined for export may require extra time being allowed between application and harvest, as some export markets have either no Maximum Residue Limit (MRL) or different MRL to those of Australia. Details of overseas standards and export interval can be obtained by contacting Sipcam before using this product.

GENERAL INSTRUCTIONS

The use of IPM programs is recommended to improve season long control of mites and reduce the risk of resistance. The use of Milbeknock is normally warranted if an increase in pest mite numbers cannot be contained by endemic predators in a crop. See the IPM section of the label below.

MILBEKNOCK is effective on all mite growth stages, adults, larvae, nymphs and eggs. MILBEKNOCK quickly moves into young leaves from where it is taken up by feeding mites, but may take 7-14 days to reach maximum control. MILBEKNOCK absorbed within leaves remains active for many weeks. MILBEKNOCK that is not absorbed into leaf tissue is quickly degraded by sunlight. Milbeknock is not systemic, so good spray coverage is essential. As leaves become older they become more "tough or leathery" and absorption of MILBEKNOCK may be reduced.

Integrated Pest Management (IPM)

Toxic to beneficial arthropods. If it is necessary to introduce the predatory mites *Neoseiulus californicus* or *Phytoseiulus persimilis*, delay their introduction for 2 weeks after spraying. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.

Insecticide Resistance Warning

GROUP	6	INSECTICIDE
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For insecticide resistance management MILBEKNOCK is a group 6 insecticide. Some naturally occurring insect biotypes resistant to milbemectin and other Group 6 insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if MILBEKNOCK and other group 6 insecticides are used repeatedly. The effectiveness of MILBEKNOCK on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Sipcam accepts no liability for any losses that may result from the failure of MILBEKNOCK to control resistant insects. MILBEKNOCK may be subject to specific resistance management strategies. For further information contact your supplier, Sipcam representative or local agricultural department agronomist.

Resistance

MILBEKNOCK should not be applied more than once per season in pome fruit or twice in stone fruit, capsicums, eggplants, chili peppers, tomatoes, or strawberries. In addition, MILBEKNOCK should not be applied in 2 consecutive sprays within or between seasons or crops without an unrelated chemical being used in between. Alternate MILBEKNOCK with approved miticides from other chemical groups.

Crop Monitoring

Effective mite control depends upon correct timing of application. Check crops regularly (every 3 to 5 days) during the season. Apply before there is a build-up of a mite population. See the critical comments section of the label for crop specific recommendations.

PRECAUTION: Re-Entry Period

DO NOT enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use. DO NOT allow entry into treated glasshouses or other enclosed areas until the spray has dried, and enclosed area has been thoroughly ventilated.

Mixing Instructions

Measure the required amount of MILBEKNOCK, add to partly filled spray tank, and then add the remainder of the water. Where required, add a 60% non-ionic surfactant at the end of the filling process.

Application

Apply by high volume (Dilute or Concentrate Spraying) or boom spraying equipment as given in the directions for use table. Thorough coverage and penetration into plant canopy is essential. The chosen water volume should match the crop and foliage density being sprayed so that there is even coverage throughout the canopy.

Boom Spraying

Apply at sufficient volume and pressure to obtain thorough coverage and penetration of the plant. Air assisted booms or droppers may be used to improve coverage through the canopy by directing the spray into the plants and away from the inter-row.

Dilute Spraying

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the stage of growth of crop being sprayed. Calibrate and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or specialist advice. Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. The required dilute spray volume, sprayer calibration and operation may all need to be changed as the crop grows.

Concentrate Spraying

Use a sprayer designed and calibrated for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the stage of crop being sprayed. Calibrate and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. The mixing rate for concentrate spraying can then be calculated in the following way:

Example only -

Dilute spray volume, as determined above to achieve coverage near the point of run-off, for example is 2000 L/ha. Your chosen concentrate spray volume is 1000 L/ha. The concentration factor in this example is: $2 \times (2000 \text{ L} \div 1000 \text{ L}) = 2$. If the dilute label rate is 100 mL/100 L, then the concentrate rate becomes 2×100 , which is 200 mL/100 L of water. The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Compatibility

MILBEKNOCK is compatible with most commonly used insecticides and fungicides. DO NOT use with chlorothalonil or Bordeaux tank mixes. However, as formulations of other manufacturer's products are beyond the control of Sipcam, all mixtures should be tested prior to mixing commercial quantities.

Monitoring Ornamentals

Effective mite control depends upon correct timing of application. Check the ornamental flower or plant regularly (every 3 to 5 days) during the season. Apply before there is a build-up of a mite population. See the critical comments section of the label for specific recommendations

Plant Safety

For Ornamentals not listed on the label, a small test application should be made before spraying, to assess for unexpected phytotoxicity.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT.

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS

Highly toxic to bees. DO NOT apply to crops from the onset of flowering until flowering is complete. DO NOT allow spray drift to flowering weeds or flowering crops in the vicinity of the treatment area. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray or spray drift.

STORAGE AND DISPOSAL

Store in the closed original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Triple rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

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FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting.

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