

ParaMite®

SELECTIVE MITICIDE

ACTIVE CONSTITUENT: 110 g/L ETOXAZOLE

GROUP 10B INSECTICIDE

For Control of Mites in Bananas, Citrus, Pome and Stone Fruit, Grapes, Tomatoes, Capsicum, Cotton and Almonds as specified in the Directions for Use Table.

GENERAL INSTRUCTIONS

CROP MONITORING

Effective mite control depends upon regular monitoring of crops during the season at 3-5 day intervals.

MIXING

Measure the required amount of ParaMite, add to the partly filled spray tank and then add the remainder of the water.

APPLICATION

On apples, pears, stone fruit, almonds and table grapes good coverage is important so the volume should be no less than 750 L/ha. **DO NOT** apply in water volumes greater than 2000L/ha. On large pear trees use a water volume of 2500 L/ha.

INSECTICIDE RESISTANCE WARNING

GROUP 10B INSECTICIDE

For insecticide resistance management ParaMite Selective Miticide is a Group 10B miticide.

Some naturally occurring mite biotypes resistant to ParaMite and other Group 10B miticides may exist through normal genetic variability in any mite population. The resistant individuals can eventually dominate the mite population if ParaMite or other Group 10B miticides are used repeatedly. The effectiveness of ParaMite on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Sumitomo Chemical Australia Pty Ltd accepts no liability for any losses that may result from the failure of ParaMite to control resistant mites. ParaMite may be subject to specific resistance strategies. For further information contact your local supplier, Sumitomo Chemical Australia Pty Ltd representative or local department of agriculture or agronomist. To ensure ParaMite remains effective **DO NOT** use ParaMite more than once per season.

STORAGE AND DISPOSAL

Store in the closed original container in a well-ventilated area, as cool as possible, although avoid freezing. **DO NOT** store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to 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 for appropriate disposal 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

Will irritate the eyes. Avoid contact with the eyes.

When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat and elbow-length gloves. When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat. Wash hands after use. After each day's use wash gloves and contaminated clothing.

RE-ENTRY

DO NOT allow entry into 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.

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126; New Zealand 0800 764 766.

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet (SDS).

IMPORTANT NOTICE

These goods are to be used only for the purpose and as specified on the label, and are not suitable for any other purpose. To the fullest extent permitted by law, we do not accept or bear any liability on any basis for any loss, damage, cost or expense, arising in any way, directly or indirectly, in connection with the goods.

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THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD OR RAIL

IN A TRANSPORT EMERGENCY DIAL: 000 POLICE OR FIRE BRIGADE

SPECIALIST ADVICE IN EMERGENCY ONLY PHONE: 1800 024 973 ALL HOURS - AUSTRALIA WIDE

DIRECTIONS FOR USE:

DO NOT apply if rainfall is expected before spray has dried.

DO NOT apply more than one spray per season as over-use may lead to development of mite resistance.

Except for cotton and banana applications, **DO NOT** apply by air.

SPRAY DRIFT RESTRAINTS

Except when applying with orchard/vineyard airblast equipment, **DO NOT** apply with spray droplets smaller than a **MEDIUM** spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the British Crop Production Council guideline.

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour, as measured at the application site.

DO NOT apply during surface temperature inversion conditions at the application site.

DO NOT direct the spray above trees/vines during airblast applications.

TURN OFF outward pointing nozzles at row ends and outer rows during airblast applications.

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application and **KEEP** this record for a minimum of 2 years. The spray application details that must be recorded are: **1** date with start and finish times of application; **2** location address and paddock/s sprayed; **3** full name of this product; **4** amount of product used per hectare and number of hectares applied to; **5** crop/situation and weed/pest; **6** wind speed and direction during application; **7** air temperature and relative humidity during application; **8** nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application; **9** name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)

MANDATORY NO-SPRAY ZONES

Very toxic to aquatic life

DO NOT apply when there are aquatic and wetland areas including aquacultural ponds or surface streams and rivers downwind from the application area and within the **mandatory no-spray zones** shown in Table 1 below.

Table 1 – Mandatory No-Spray Zones for Protection of the Aquatic Environment

For aerial application (bananas)		
Wind speed range at time of application	Downwind mandatory no-spray zone	
	Fixed-wing and helicopter (for release heights greater than 2 metres above the canopy)	Fixed-wing and helicopter (for release heights lower than 2 metres above the canopy, where it is safe to do so)
from 3 to 8 kilometres per hour	120 metres	20 metres
from 8 to 14 kilometres per hour	250 metres	60 metres
from 14 to 20 kilometres per hour	450 metres	120 metres
For aerial application (cotton)		
Wind speed range at time of application	Downwind mandatory no-spray zone	
	Fixed-wing	Helicopter
from 3 to 8 kilometres per hour	40 metres	40 metres
from 8 to 14 kilometres per hour	40 metres	40 metres
from 3 to 20 kilometres per hour	60 metres	60 metres
For ground application (airblast)		
Wind speed range at time of application – from 3 to 20 kilometres per hour		
CROP	Downwind mandatory no-spray zone	
Bananas	25 metres	
Citrus	80 metres	
Pome and Stone Fruit (except cherries), Almonds	15 metres	
Trellis tomatoes and Grapes	5 metres	
For ground application (boom)		
Wind speed range at time of application – from 3 to 20 kilometres per hour		
CROP	Downwind mandatory no-spray zone	
Capsicum, Ground (non-trellis) tomatoes and Cotton	10 metres	

DO NOT apply if there are livestock, pasture or any land that is producing feed for livestock downwind from the application area and within the **mandatory no-spray zones** shown in Table 2 below:

Table 2: No-spray zones for the protection of international trade

For aerial application (bananas)		
Wind speed range at time of application	Downwind mandatory no-spray zone	
	Fixed-wing and helicopter (for release heights greater than 2 m above the canopy)	Fixed-wing and helicopter (for release heights lower than 2 m above the canopy, where it is safe to do so)
from 3 to 8 kilometres per hour	140 metres	Not required
from 8 to 14 kilometres per hour	350 metres	20 metres
from 14 to 20 kilometres per hour	600 metres	80 metres
For aerial application (cotton)		
Wind speed range at time of application	Downwind mandatory no-spray zone	
	Fixed-wing	Helicopter
from 3 to 20 kilometres per hour	20 metres	20 metres
For ground application (airblast and boom)		
Wind speed range at time of application – from 3 to 20 kilometres per hour		
CROP	Downwind mandatory no-spray zone	
All Crops	Not required	

SITUATION	PEST	RATE /100 L	RATE /ha	CRITICAL COMMENTS
Pome fruit Stone fruit (except cherries), Almonds	Two-spotted mite (<i>Tetranychus urticae</i>), European red mite (<i>Panonychus ulmi</i>) Bryobia mite (<i>Bryobia rubrioculus</i>)	35 mL		ParaMite is a mite growth regulator that causes adults to lay sterile eggs and stops existing eggs and nymphs developing. Control of these stages is generally achieved within 7 days. ParaMite also has translaminar and residual activity which means control of the population may last for four to five weeks. However, it does not control adult mites, which normally live for up to two weeks. To give effective long term population control ParaMite should therefore be applied at the first signs of mite crawlers. Once large numbers of adults are present it may be necessary to also apply a miticide from a different group to control the adults immediately and reduce potential damage.
Table grapes Wine grapes	Two-spotted mite			
Citrus	Oriental Spider Mite (<i>Eutetranychus orientalis</i>)			As a guide, if there are 2 or more adults per leaf, and 15% or more of leaves are infested, a knockdown of adults with a different miticide may be required. This is particularly important in pears where even low mite pressure can cause leaf russetting. ParaMite can be applied as dilute or concentrated sprays on apples, pears, stone fruit, almonds and table grapes but good coverage is important so the volume should be no less than 750 L/ha. DO NOT apply in water volumes greater than 2000L/ha. On large pear trees DO NOT use ParaMite as a concentrate spray. For dilute sprays on large pear trees use a water volume of 2500L/ha. On Citrus , water rates of 2000 –3000 L/ha are generally used and concentrate spraying is not recommended. DO NOT use a water volume of more than 3000 L/ha. If re-treatment is required, use an approved miticide from a different chemical group.

SITUATION	PEST	RATE /100 L	RATE /ha	CRITICAL COMMENTS
Trellis tomatoes	Two-spotted mite (<i>Tetranychus urticae</i>),	35 mL		On tomato and capsicum water rates should be increased as crop size increases. For mature capsicum and bush/ground tomato this should be 500L/ha. Mature trellis tomatoes may require 1000 – 2000 L/ha and the rate per 100L should be used. Concentrate spraying is not recommended. If re-treatment is required, use an approved miticide from a different chemical group.
Ground Tomatoes Capsicum			350 mL	
Bananas Ground application	Strawberry mite (<i>Tetranychus lambi</i>)		200 mL	For application with the standard tractor drawn air blast sprayer a water rate of 400L per hectare should be used. For aerial application use a minimum of 30L spray volume per hectare and a registered crop oil such as SacoaBioPest Oil. It is important to carefully monitor mite populations as when the right weather conditions prevail, there is a tendency for them to increase rapidly in Bananas. To give effective long term population control ParaMite should be applied at the first signs of an increase in the population of mite crawlers. Once large numbers of adults are present it may be necessary to also apply a miticide from a different group to control the adults immediately and reduce potential damage.
Bananas Aerial application			500 mL + 3.5 L of a registered Crop Oil	
Cotton Ground- and Aerial application	Two-spotted mite (<i>Tetranychus urticae</i>), Bean spider mite, (<i>Tetranychus ludeni</i>)		350 mL	Apply when the threshold for your area has been reached. As a guide this is generally when 20-30% of the leaves have mites or when mite numbers are increasing at 1% per day. Best results will be obtained when ParaMite is applied to low but increasing populations. Good coverage is essential. For aerial application use a minimum of 30 L spray volume per hectare. Generally ParaMite takes about 7 days to reach maximum mite control. If re-treatment is required, use an approved miticide from a different chemical group. Refer to notes on resistance under General Instructions section of this label.

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

WITHHOLDING PERIODS:

GRAPES:	DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION
POME AND STONE FRUIT:	DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION
BANANAS:	DO NOT HARVEST FOR 1 DAY AFTER APPLICATION
CITRUS:	DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION
CAPSICUM, TOMATOES:	DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION
	DO NOT GRAZE TREATED AREA OR CUT TREATED AREA FOR STOCK FEED
COTTON:	DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION
	DO NOT GRAZE TREATED CROPS OR FEED COTTON TRASH TO LIVESTOCK.
ALMONDS:	DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

TREATED FRUIT FOR EXPORT TO PARTICULAR DESTINATIONS OUTSIDE AUSTRALIA MAY REQUIRE A LONGER INTERVAL BEFORE HARVEST TO COMPLY WITH RESIDUES STANDARDS OF IMPORTING COUNTRIES. PLEASE CONTACT SUMITOMO CHEMICAL AUSTRALIA PTY LTD OR YOUR INDUSTRY BODY OR EXPORTER BEFORE USING PARAMITE SELECTIVE MITICIDE