

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, Almonds and Turf, 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 2000 L/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 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

May 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) and elbow-length chemical resistant gloves.

When using the prepared spray wear cotton overalls buttoned to the neck and wrist (or equivalent clothing).

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) obtained from Sumitomo Chemical Australia Pty Ltd.

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.

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 111 ALL HOURS - AUSTRALIA WIDE
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APVMA Approval No: 56791/133772

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DIRECTIONS FOR USE

Restrictions:

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

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 tables 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 aircraft unless the following requirements are met:

- Spray droplets not smaller than a Medium spray droplet size category.
- For release heights 25% of wingspan or 25% of rotor diameter or lower above the target canopy, minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section) are observed.

Buffer Zones for Aircraft

CROP	WIND SPEED	AIRCRAFT TYPE	MANDATORY DOWNWIND BUFFER ZONES (distance given in metres)		
			Natural aquatic areas	Livestock areas (for release heights greater than 2 m above the canopy)	Livestock areas (for release heights lower than 2 m above the canopy, where it safe to do so)
Bananas	From 3 to 8 km/h	Fixed-wing	120	140	0
		Helicopter	120	140	0
	From 8 to 14 km/h	Fixed-wing	250	350	20
		Helicopter	250	350	20
	From 14 to 20 km/h	Fixed-wing	450	600	80
		Helicopter	450	600	80
Cotton	From 3 to 8 km/h	Fixed-wing	40	20	20
		Helicopter	40	20	20
	From 8 to 14 km/h	Fixed-wing	40	20	20
		Helicopter	40	20	20
	From 14 to 20 km/h	Fixed-wing	60	20	20
		Helicopter	60	20	20

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.

Buffer Zones for Vertical Sprayer

APPLICATION RATE	CROP	MANDATORY DOWNWIND BUFFER ZONES (distance given in metres)	
		Natural aquatic areas	Livestock areas
Up to maximum label rate	Bananas	25	0
	Citrus	80	0
	Pome and Stone fruit (except cherries), Almonds	15	0
	Trellis tomatoes and Grapes	5	0

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

- Spray droplets not smaller than a Medium spray droplet size category.
- Minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section) are observed.

Buffer Zones for Boom Sprayer

APPLICATION RATE	CROP	MANDATORY DOWNWIND BUFFER ZONES (distance given in metres)	
		Natural aquatic areas	Livestock areas
Up to maximum label rate	Capsicum, Ground (non-trellis) tomatoes and Cotton	10	0

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		<p>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.</p> <p>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.</p> <p>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.</p> <p>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 2000 L/ha.</p> <p>On large Pear trees DO NOT use ParaMite® as a concentrate spray. For dilute sprays on large pear trees use a water volume of 2500 L/ha.</p> <p>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.</p> <p>If re-treatment is required, use an approved miticide from a different chemical group.</p>
Table grapes Wine grapes	Two-spotted mite			
Citrus	Oriental spider mite (<i>Eutetranychus orientalis</i>)			

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 500 L/ha. Mature Trellis tomatoes may require 1000 – 2000 L/ha and the rate per 100 L 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 400 L per hectare should be used. For aerial application use a minimum of 30 L spray volume per hectare and a registered crop oil such as Sacoa BioPest 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.
Turf (including Golf courses, Bowling greens, Sports fields, Commercial and Residential lawn, Turf farms)	Couch mite (<i>Aceria cynodoniensis</i>), And other mites affecting turf		200 mL	Apply ParaMite® soon after first symptoms appear. As a mite growth regulator, ParaMite® is slow acting and will provide best results during the early phase of the infestation. ParaMite® can be applied in a multi-spray program with other products with different modes of action but should always be the first spray in the program. ParaMite® should be applied in 400 L water to ensure thorough penetration of the thatch and maximum leaf uptake. DO NOT apply ParaMite® if rain is imminent.

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.

COTTON: DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION.

ALMONDS: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

GRAZING

**GRAPES, POME FRUIT, STONE FRUIT, BANANA, CITRUS AND ALMOND:
DO NOT GRAZE TREATED AREA OR CUT TREATED AREA FOR STOCK FEED.**

**COTTON:
DO NOT GRAZE TREATED CROPS OR FEED COTTON TRASH TO LIVESTOCK.**

**TURF:
DO NOT GRAZE TREATED TURF OR FEED TURF/LAWN CLIPPINGS FROM ANY TREATED AREA TO
POULTRY OR LIVESTOCK.**

TRADE ADVICE:

**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.**