READ SAFETY DIRECTIONS BEFORE OPENING OR USING

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight.

All non-refillable containers (unless otherwise specified)

Triple rinse containers before disposal.Add rinsings to spray tank. **DO NOT** dispose of undiluted chemical 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 500mm 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 and product. **DO NOT** re-use empty container for any other purpose.

Envirodrum - Micro Matic Valve *(110L)*

DO NOT tamper with the Micro Matic valve or the security seal. **DO NOT** contaminate the Envirodrum with water or any other foreign matter. After each use of the product please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. When opening the container and preparing product for aerial application, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

First aid is not generally required. If in doubt, contact a Poisons Information Centre *(Phone Australia 13 11 26; New Zealand 0800 764 766)* or a doctor.

Refer to attached Leaflet for additional GHS Hazard & Precautionary Statements

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from your supplier or from our website at www.imtrade.com.au

IMTRADE

PATRIARCH®

RMR® INSECTICIDE

ACTIVE CONSTITUENTS: 300g/L PYRIPROXYFEN
300g/L PIPERONYL BUTOXIDE

GROUP 7C INSECTICIDE

For the control of Silverleaf Whitefly *(Bemisia tabaci* Biotype B*)* in Cotton, Cucurbits, Lettuce and Sweet Potatoes; the control of Silverleaf Whitefly and Greenhouse Whitefly *(Trialeurodes vaporariorum)* in Fruiting Vegetables (except Sweet Corn and Mushrooms), and the control various Scale in Citrus, Mangoes and Olives as specified in the Directions for Use table.

IMPORTANT: Read the attached Leaflet before use.

CONDITIONS OF SALE

Imtrade CropScience shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade CropScience has any authority to add to or alter these conditions.

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UN 3082

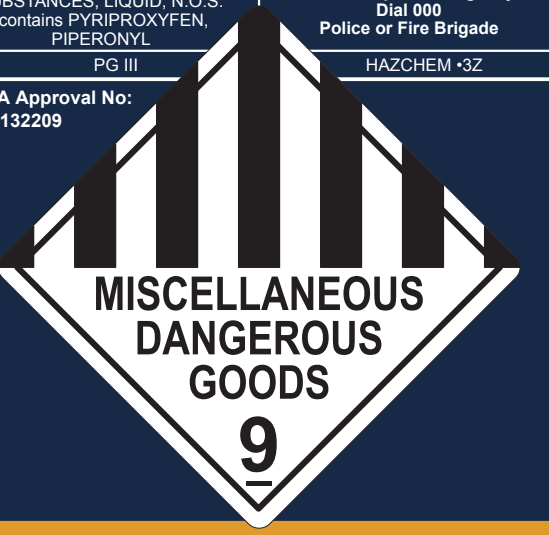
ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains PYRIPROXYFEN, PIPERONYL

In a Transport Emergency Dial 000 Police or Fire Brigade

PG III

HAZCHEM •3Z

APVMA Approval No: 91429/132209



RMR®

FORM EC

CONTENTS 500mL-200L

drumMUSTER eligible container

Batch No.
DOM:

IMTRADE CropScience
17 Ocean St, Kwinana Beach WA 6167
08 9419 0333 | www.imtrade.com.au

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

IMTRADE

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IMPORTANT: READ THIS LEAFLET THOROUGHLY BEFORE OPENING OR USING THIS PRODUCT

APVMA Approval No: 91429/132209

Imtrade Australia Pty Ltd
ABN 13 090 151 134
17 Ocean Street, Kwinana, Western Australia 6167
Tel: (08) 9419 0333 Fax: (08) 9419 7516
Web: www.imtrade.com.au

RESTRAINTS:

DO NOT apply by air to crops other than cotton.
DO NOT apply if heavy rains or storms are forecast within 3 days.
DO NOT irrigate to the point of field runoff for at least 3 days after application.
DO NOT apply to soils where surface water is evident.
DO NOT apply more than twice per growing 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
165 mL/ha	0.5m or lower	20 metres
	1.0m or lower	65 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

Application Rate	Maximum dilute water rate	Type of target canopy	Mandatory downwind buffer zones
			Natural aquatic areas
165 mL/100L	4000L/ha	All types	50 metres

DO NOT apply by aircraft unless the following requirements are met:
- Spray droplets are not smaller than a FINE spray droplet size category.
- For maximum release height above the target canopy of 3 metres or 25% of wingspan or 25% of rotor diameter, whichever is the greatest, minimum distances between the application site and downwind sensitive areas are observed (see the following table titled '**Buffer zones for aircraft**').

Buffer zones for aircraft

Application Rate	Type of aircraft	Mandatory downwind buffer zones
		Natural aquatic areas
165 mL/ha	Fixed-wing	325 metres
	Helicopter	220 metres

DIRECTIONS FOR USE:

CROP	INSECT	RATE	Critical Comments
Cotton, Cucurbits (Melons, Pumpkin, Watermelon, Cucumber, Zucchini etc.), Leafy Lettuce, Sweet Potatoes	Silverleaf Whitefly (*Bemisia tabaci* Biotype B)	165 mL/ ha	Ensure thorough coverage (See APPLICATION). Apply when industry recommended thresholds of Silverleaf Whitefly (SLW) are exceeded. If a second spray is required, a minimum re-treatment interval of two weeks must be observed. **DO NOT** apply more than twice in any one season. **Cotton:** Apply as per current Cotton Industry Insecticide Resistance Management Strategy. **Cucurbits, Leafy Lettuce and Sweet Potatoes:** Apply in accordance with the SLW Resistance Management Strategy.
Fruiting Vegetables (Tomato, Capsicum & other Peppers, Eggplant, except Sweet Corn and Mushrooms), Nursery Stock (Field and Greenhouse)	Silverleaf Whitefly (*Bemisia tabaci* Biotype B) Greenhouse Whitefly (*Trialeurodes vaporariorum*) Tomato Potato Psyllid (*Bactericera cockerelli*)		Ensure thorough coverage (See APPLICATION). Apply in 100-150L water per hectare. Use high water volume 500-1000L/ha for dense crops. If applying more than 100L/ha use a rate of 16.5 mL/100L water. Apply at first appearance of Whitefly. If a second spray is required, a minimum re-treatment interval of two weeks must be observed. **DO NOT** apply more than twice in any one season. To avoid the resistance build-up, PATRIARCH® RMR® must be rotated with other approved products. Apply in accordance with the SLW Resistance management Strategy.

CROP	INSECT	RATE	Critical Comments
Citrus	Red Scale (*Aonidiella aurantii*), Black Scale (*Saissetia oleae*), Citrus Snow Scale (*Unaspis citri*), Cottony Cushion Scale (*Icerya purchasi*)	16.5 mL/ 100L water	Ensure thorough coverage (See APPLICATION). **Red Scale:** Apply at the time of crawler release. There are usually multiple periods of crawler release from Spring through to Autumn. Ideally PATRIARCH® RMR® should be applied to control the first generation but if the infestation persists and there is significant crawler release later in the season then PATRIARCH® RMR® can be applied again. **DO NOT** apply more than twice in any one season on tree crops. **Black Scale:** Apply at the time of crawler release which is usually December to January but also may occur in Autumn. **DO NOT** apply more than twice in any one season. **Mango Scale:** Apply at the time of crawler release. There are usually multiple periods of crawler release from Spring through to Autumn. Ideally PATRIARCH® RMR® should be applied to control the first generation but if the infestation persists and there is significant crawler release later in the season then PATRIARCH® RMR® can be applied again. **DO NOT** apply more than twice in any one season. **Pink Wax Scale:** Apply at the time of crawler release in early Spring to early Summer. There are usually two periods of crawler release in Queensland, with crawlers of the second generation emerging in mid-Summer to mid-Autumn. Ideally PATRIARCH® RMR® should be applied to control the first generation but if the infestation persists and there is significant second generation crawler release then PATRIARCH® RMR® can be applied again. **DO NOT** apply more than twice in any one season.
Mangoes	Mango Scale (*Aulacaspis tubercularis*), Pink Wax Scale (*Ceroplastes rubens*)		
Olives	Black Scale (*Saissetia oleae*)		

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

WITHHOLDING PERIODS

COTTON: **DO NOT HARVEST FOR 28 DAYS AFTER APPLICATION. DO NOT GRAZE TREATED CROP OR CUT FOR STOCKFEED. DO NOT FEED TREATED COTTON TRASH TO LIVESTOCK.**

FRUITING VEGETABLES, (CUCURBITS and NON-CUCURBITS): **DO NOT HARVEST FOR 1 DAY AFTER APPLICATION. DO NOT GRAZE TREATED CROP FOR STOCKFEED.**

CITRUS, LEAFY LETTUCE and SWEET POTATOES: **DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.**

MANGOES: **DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.**

OLIVES: **DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION. DO NOT FEED TREATED OLIVE CROPS OR BY-PRODUCTS OF TREATED CROPS (e.g. OLIVE POMACE) TO LIVESTOCK.**

EXPORT OF TREATED PRODUCE

Treated Citrus Fruit, Mangoes, Melons, Tomatoes and Olives destined for export may require extra time being allowed between application and harvest, to be accepted in some export markets. Before you use PATRIARCH® RMR®, you are advised to contact Imtrade CropScience and/or your industry body about any potential trade issues and their management.

GENERAL INSTRUCTIONS

PATRIARCH® RMR® acts by suppressing embryogenesis with the insect egg and by inhibiting metamorphosis and adult emergence of target insects. PATRIARCH® RMR® has no activity on adult insects, but hatching of eggs laid by treated adults will be suppressed. Since activity depends on the insect's development, evidence of activity will be slower than typical contact insecticides.

MIXING

Measure the required amount of PATRIARCH® RMR®, add to the spray tank partly filled with water and then add the remainder of the water.

APPLICATION

Cotton:

Ensure thorough coverage. Apply in 100-150L water/ha (ground rig boom spray) OR 20-30L water/ha (aerial). Ground application must be first option undertaken, aerial application may only be applied in cases where canopy closure prevents ground access. Apply when industry recommended thresholds of Silverleaf Whitefly (SLW) are exceeded. **DO NOT** apply more than two applications per crop. **DO NOT** apply consecutive applications, apply PATRIARCH® RMR® as part of a SLW Management Strategy with other approved chemistry for SLW in particular a non-Insect Growth Regulator (IGR) product. The minimum re-treatment interval permitted between the first and second PATRIARCH® RMR® spray is 14 days.

A strategy to minimize spray drift should be employed at all times when aerially applying sprays to, or near, sensitive areas. Such a strategy is illustrated by the Cotton Industry's Best Management Practice Manual.

Fruiting Vegetables, (Cucurbits and non-Cucurbits):

Ensure thorough coverage. Apply by foliar spray with ground rig in 100-150L water/ha. Use high water volume 500-1000L/ha for dense crops. If applying more than 1000L/ha use a rate of 16.5 mL/100L water. Apply when Whiteflies first appear. **DO NOT** apply more than two applications per crop. **DO NOT** apply consecutive applications, apply ATRIARCH® RMR® as part of a SLW Management Strategy with other approved chemistry for SLW in particular a non-Insect Growth Regulator (IGR) product. The minimum re-treatment interval permitted between the first and second ATRIARCH® RMR® spray is 14 days. Apply in accordance with the SLW Resistance Management Strategy.

Citrus, Mangoes and Olives:

It is essential to apply in sufficient water to ensure thorough coverage. For young trees this will be approximately 1000L/ha. **DO NOT** apply less than 1000L/ha to bearing trees.
DO NOT apply using spraying equipment carried on the back of the user.

CLEANING SPRAY EQUIPMENT

After using PATRIARCH® RMR® empty the tank and completely drain the system. Rinse the tank, pump, lines, hoses, filters and nozzles by circulating clean water through the system. Drain and repeat the rinsing procedure twice.

INSECTICIDE RESISTANCE WARNING

GROUP 7C INSECTICIDE

For insecticide resistance management PATRIARCH® RMR® is a Group **7C** Insecticide. Some naturally occurring insect biotypes resistant to PATRIARCH® RMR® and other Group **7C** Insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if PATRIARCH® RMR® or other Group **7C** Insecticides are used repeatedly. The effectiveness of PATRIARCH® RMR® on resistant individuals could be significantly reduced. Since the occurrence of resistant individuals is difficult to detect prior to use, Imtrade CropScience accepts no liability for any losses that may result from the failure of PATRIARCH® RMR® to control resistant insects.

PATRIARCH® RMR® may be subject to specific resistance management strategies. For further information contact your local supplier, Imtrade CropScience representative or local agricultural department agronomist. To ensure PATRIARCH® RMR® remains effective **DO NOT** use more than twice per season.

PRECAUTIONS

Re-Entry

DO NOT enter treated areas for two days after application, 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.

INTEGRATED PEST MANAGEMENT

Toxic to predatory arthropods. Not compatible with integrated pest management (IPM) programs utilising predatory arthropods. Minimise spray drift to reduce harmful effects on predatory arthropods in non-crop areas.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND 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

Citrus, Mangos and Olives: **Harmful to bees. DO NOT** apply to crops from the onset of flowering until flowering is complete. 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.

Cotton, Lettuce, Cucurbits, Fruiting Vegetables, Sweet Potatoes, Nursery Stock: The use of this product as directed is not expected to have adverse effects on bees.

STORAGE AND DISPOSAL

The method of disposal of the container depends on the container type. Read the Storage and Disposal instructions on the label that is attached to the container.

Store in the closed, original container in a cool, well-ventilated area. **DO NOT** store for prolonged periods in direct sunlight.

All non-refillable containers *(unless otherwise specified)*
Triple rinse containers before disposal. Add rinsings to spray tank. **DO NOT** dispose of undiluted chemical 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 500mm 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 and product. **DO NOT** re-use empty container for any other purpose.

Envirodrum - Micro Matic Valve *(110L)*
DO NOT tamper with the Micro Matic valve or the security seal. **DO NOT** contaminate the Envirodrum with water or any other foreign matter. After each use of the product please ensure that the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the empty Envirodrum to the point of purchase.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. When opening the container and preparing product for use by aerial application, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and elbow-length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

FIRST AID

First aid is not generally required. If in doubt, contact a Poisons Information Centre *(Phone Australia 13 11 26; New Zealand 0800 764 766)* or a doctor.

Additional GHS Hazard & Precautionary Statements

•Combustible liquid; Keep away from heat, sparks, open flames and hot surfaces. – No smoking; •**DO NOT** get in eyes, on skin, or on clothing; •Wash contacted areas thoroughly after handling;•**IF SWALLOWED:** Rinse mouth. Do **NOT** induce vomiting; •**IF ON SKIN (or hair):** Remove immediately all contaminated clothing. Rinse skin with water; •Collect spillage; •In case of fire, use carbon dioxide, dry chemical foam. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used;

SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet, which can be obtained from your supplier or from our website at www.imtrade.com.au

CONDITIONS OF SALE

Imtrade CropScience shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Imtrade's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Imtrade CropScience has any authority to add to or alter these conditions.

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UN 3082	**ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (contains PYRIPROXYFEN, PIPERONYL BUTOXIDE)**
IN A TRANSPORT EMERGENCY, DIAL 000 POLICE OR FIRE BRIGADE	
PG III	**HAZCHEM •3Z**

APVMA Approval No: 91429/132209