



# Sorcerer®

## Product Overview

- SORCERER® contains 18 g/L abamectin and is registered for the control of Two-Spotted Mite (*Tetranychus urticae*) and European Red Mite (*Panonychus ulmi*) in apples and pears
- Provides fast acting knockdown and residual activity for rapid pest mite removal and extended protection
- Formulated as a convenient, easy to handle liquid that quickly penetrates plant tissue to become rainfast and is highly compatible with other commonly used fungicides and insecticides
- A key option in the sustainable management of mites using an Integrated Mite Control program.

## Mode of Action

GROUP **6** INSECTICIDE

The abamectin in SORCERER® is a member of the Avermectin group of insecticides (Group 6) and its use in pome fruit is subject to a CropLife Australia Resistance Management Strategy.

SORCERER® is an insecticide/miticide that acts via contact and stomach action but also exhibits translaminar movement and once translocated into leaves remains for several weeks to control target mites feeding on plant tissue. After application, SORCERER® rapidly spreads through the leaf to give rainfast protection, moving freely within sprayed leaves to control mites on both the upper and lower leaf surface.



## Resistance Management

SORCERER® has been a key tool for managing mite populations in pome fruit for many seasons and whilst still very effective, must continue along with other miticides, to be used carefully in a sustainable Integrated Mite Control program.

Mite levels should be monitored and thresholds utilised before deciding to make miticide applications and where practicable, predatory mites should be incorporated into control programs. When using insecticides to control other pests of pome fruit such as Codling Moth, Light Brown Apple Moth, Mealybug and Woolly Aphid always consider the impact your choice may have on the pest mite and predatory mite populations.

As per the CropLife Australia Resistance Management Strategy, make no more than one application from each miticide group per season. Miticide options and their mode of action groups include:

Miticide MOA Group Options in Pome Fruit

Group	6	10A	10B	12B	12C	13	21A	UN
Chemical sub-group	Avermectins, Milbemycins	Clofentezine, Hexythiazox	Etoxazole	Organotin miticides	Propargite	Chlorfenapyr	METI acaricides	Bifenazate
Product name	Sorcerer®, Milbeknock®	Apollo®, Calibre®	Paramite®	Torque®	Omite®	Secure®	Pyranica®	Acramite®

## When to Use SORCERER®

SORCERER® controls Two-Spotted Mite and European Red Mite in apples and pears

**Use rate: 750 mL/ha plus 5 L/ha summer oil using enough water to ensure thorough coverage**

- In apples, apply SORCERER® from 2 to 6 weeks after petal fall if Two-Spotted Mites are a problem early in the season or if monitoring shows high numbers of over-wintering European Red Mite eggs are present
- In pears, timing is not as critical and the application should be made soon after mite numbers have reached threshold levels

- Generally SORCERER® takes up to 7 days to reach maximum mite control. SORCERER® will control moderate to high mite populations, but in the absence of predatory mites (see Integrated Pest Control below), retreatment with another miticide may be necessary.

	SORCERER® 18	Summer Oil
	(Rate/100 L required)	
1000 L/ha (minimum)	75 mL	500 mL
1500 L/ha	50 mL	335 mL
2000 L/ha	37.5 mL	250 mL
2500 L/ha	30 mL	200 mL

## Compatibility

DO NOT apply SORCERER® to apples or pears before or after applications of Delan\* or Captan®.

SORCERER® is compatible with Caltex Summer Spray Oil, SACCOA BioPest Paraffinic Oil, CORMORAN® insecticide and several other fungicides, insecticides and adjuvants enabling its use as an effective miticide in conjunction with other chemistry to control insects and diseases.

## Integrated Pest Management

DO NOT use in IPM programmes unless the pest mite threshold has been reached and predators are unlikely to achieve effective control. Studies have shown that after application of SORCERER®, predatory mite populations may not increase for a number of weeks, due to a lack of suitable pest mite prey. Predatory mite numbers will increase with any increase in pest mite numbers allowing the continuation of biological mite control.

## Features and Benefits

Features	Benefits
Proven efficacy against Two-Spotted Mite and European Red Mite in apples and pears	Confidence that your crop is protected
Fast acting knockdown and residual activity for rapid pest removal and extended protection	Peace of mind that damage will be prevented maximising quality and yield potential
Easy to measure and handle liquid that quickly penetrates plant tissue to become rainfast	Convenience and flexibility
Compatible with many commonly used fungicides and insecticides.	Time saving one pass option.

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