

# Pyper<sup>®</sup> 600SC

## FUNGICIDE

**GROUP 9 FUNGICIDE**

**Active Constituent:** 600g/L PYRIMETHANIL  
**Poison Schedule:** S5 (UNSCHEDULED)  
**APVMA Approval No:** 89974/126623



Eligible containers  
 5L  
 10L

For the control of grey mould (*Botrytis cinerea*) in grapevines, strawberries and tolerant ornamental species, yellow sigatoka, leaf speckle and cordana leaf spot in bananas and target spot in potatoes and tomatoes as per the Directions for Use.

**Pack Size:**  
 5L (4 x 5L per carton)  
 10L (cubes)

**Dangerous Goods Class:**  
 Not classified as a dangerous good under the Australian Code for Transport and Storage of Dangerous Goods in Australia.

<b>DIRECTIONS FOR USE</b>			
Restraints			
DO NOT apply by aircraft in grapevines, strawberries, ornamentals or tomatoes.			
DO NOT apply PYPER 600 SC tank mixed with Cheers 720SC Weathershield by aircraft within 100 m of any downwind natural water body.			
DO NOT apply to ornamentals without prior tolerance testing of each species/variety (refer to Critical Comments)			
DO NOT apply to ornamentals grown in poorly ventilated glasshouses or plastic tunnel houses			
<b>CROP</b>	<b>DISEASE</b>	<b>RATE</b>	<b>Critical Comments</b>
Graprevines	Grey Mould ( <i>Botrytis Cinera</i> )	Dilute Spraying 133mL/100L water (maximum 1.33L/ha) Concentrate spraying Flowering* 1.0 to 1.33 L/ha Post-flowering 1.33L/ ha Refer to the Application section in GENERAL INSTRUCTIONS	Applications should be made at the critical timings for botrytis control. Note: This use is subject to a Croplife Resistance Management Strategy. Refer to "Resistance Management Strategy – Grapevines" under General Instructions for guidelines. Apply by dilute or concentrate spraying equipment. Use a sufficient amount of water and/or adequate equipment to ensure penetration of the canopy and coverage of the flowers or bunches. May be used with a non-ionic wetting agent. *For concentrate spraying at flowering use the high rate on dense canopies or when conditions favour

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CROP	DISEASE	RATE	Critical Commetns
Ornamentals (subject to a tolerance test)	Grey Mould ( <i>Botrytis Cinera</i> )	133mL/100 L water	<p>IMPORTANT - PYPER 600SC may damage flowers and foliage of some species/varieties of ornamentals under certain conditions, particularly where application occurs in enclosed areas with poor ventilation and high humidity.</p> <p>1. A test should be conducted on a small number of plants to demonstrate tolerance, prior to large scale use. Plant growth stage and environmental conditions should be similar for the test and any subsequent large scale use (see point 2 below).</p> <p>2. Important - Apply only to field-grown ornamentals or to plants grown in well ventilated plastic tunnel houses or glass houses. Application in enclosed areas with poor ventilation, and high humidity, may cause phytotoxicity to flowers and foliage of some ornamental species.</p> <p>Apply PYPER 600SC when conditions favour disease development and repeat at 7 to 10 day intervals alternating with a fungicide of a different chemical group. Use the shorter interval when disease pressure is high.</p> <p>Note: This use is subject to a Croplife Resistance Management Strategy, which governs the maximum number of applications per season. Refer to "Resistance Management Strategy- Ornamentals" under General Instructions for guidelines.</p> <p>Apply PYPER 600SC to the point of "run-off" ensuring adequate penetration of the plant canopy and coverage of the leaves and flowers. A non-ionic wetting agent is not generally required with PYPER 600SC, but may be used provided it is included with PYPER 600SC in a tolerance test (refer point 1 above).</p>
Strawberries	Grey Mould ( <i>Botrytis Cinera</i> )	1.33L/ha	<p>Apply PYPER 600SC during flowering when conditions favour disease development. Repeat at 7-10 day intervals alternating with a fungicide of a different chemical group. Use the shorter application interval when disease pressure is high.</p> <p>Note: This use is subject to a Croplife Resistance Management Strategy, which governs the maximum number of applications per season. Refer to "Resistance Management Strategy- Strawberries" under General Instructions for guidelines. Use water volumes of 350 to 1000 L/ha depending on equipment and crop stage to ensure adequate penetration of the canopy and coverage of foliage and flowers and/or fruit. May be used with a non-ionic wetting agent.</p>

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Bananas (Qld, NSW, WA, NT only)	Yellow sigatoka ( <i>Mycosphaerella musicola</i> ), Leaf Speckle ( <i>Mycosphaerella musicola</i> ), Cordana Leaf Spot ( <i>Cordana musae</i> )	660mL/ha plus a high quality (narrow range) water miscible mineral crop oil at 4-5L/ha.	PYPER 600SC should be applied as part of a regular program of fungicide sprays, alternating with fungicides from different chemical groups. For optimum disease control maintain thorough deleafing practices to reduce disease inoculum. Old leaves and leaves with advanced lesions, or infected parts of the leaf, should be removed regularly and prior to the application of PYPER 600SC. Intervals between fungicide applications generally should be 14-21 days, but should be modified for locality, disease conditions, and leaf emergence or growth rates. DO NOT mix this product with any type of spray additive with the exception of high quality miscible oil. PYPER 600SC should only be applied with a high quality water miscible mineral crop oil (applied at 4-5L/ha) and diluted with sufficient water to ensure thorough coverage of all leaf surfaces (minimum 30L/ha spray volume when applied by air). The surface of recently emerged fruit is particularly prone to marking damage from spray applications under certain circumstances, including high temperatures, strong direct sunlight and rapid fruit growth. To minimise the risk of fruit marking, it is recommended that all emerged bunches be bagged prior to spraying under such circumstances. This use is subject to Croplife Resistance Management Strategy, which limits the total number and number of consecutive applications of Group 9 fungicides. Please refer to the GENERAL INSTRUCTIONS for details of the "Resistance Management Strategy".
Potatoes	Target Spot (early blight) ( <i>Alternaria solani</i> )	500mL PYPER 600SC plus 1.04L Cheers 720SC Weathershield per hectare	Apply at 7-14 day intervals as part of a protectant spray program, commencing prior to row closure, or earlier if conditions favour disease development. Use the shorter interval when disease pressure is high. The spray program should incorporate registered products from different fungicide groups. Note: Restrictions apply to the maximum number of total and consecutive applications of PYPER 600SC for the purpose of resistance management. Refer to "Resistance Management Strategy" under General Instructions for full guidelines.
Tomatoes			Important – Apply only to field-grown plants or to plants grown in well-ventilated plastic tunnel houses or glass houses. Application in enclosed areas with poor ventilation, and high humidity, may cause phytotoxicity. Apply in a protectant program commencing at first sign of disease or early flowering. Apply with sufficient water to achieve thorough coverage of foliage. Apply at 7-10 day intervals. Note: Restrictions apply to the maximum number of total and consecutive applications of PYPER 600SC for the purpose of resistance management. Refer to "Resistance Management Strategy" under General Instructions for full guidelines.

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

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## WITHOLDING PERIOD

**STRAWBERRIES - DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**

**GRAPES - DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION**

**BANANAS, POTATOES - NOT REQUIRED WHEN USED AS DIRECTED**

**TOMATOES - DO NOT HARVEST FOR 1 DAY AFTER APPLICATION**

**DO NOT GRAZE ANY TREATED AREA, OR CUT FOR STOCK FOOD**

## TRADE ADVICE

### Export of Treated Produce

Growers should note that suitable MRLs or import tolerances may not be established in all markets for bananas, potatoes and tomatoes treated with PYPER 600 SC Fungicide. If you are growing strawberries or grapes for export (either fresh, dried or as wine), please check with Colin Campbell (Chemicals) Pty Ltd or the Australian Wine Research Institute (in the case of wine), for the latest information on MRLs and import tolerances BEFORE using PYPER 600 SC.

## GENERAL INSTRUCTIONS

Fungicide Resistance Warning

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PYPER 600SC Fungicide is a member of the Anilinopyrimidine group of fungicides. For fungicide resistance management PYPER 600SC Fungicide is a Group 9 fungicide. Some naturally occurring individual fungi resistant to PYPER 600SC Fungicide and other Group 9 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product or other Group 9 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Colin Campbell (Chemicals) Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

## PRECAUTIONS

Bananas: Do not use human flaggers/markers unless they are protected by engineering controls such as enclosed cabs.

### Re-entry Period

Do not allow entry into treated areas until the spray deposits have dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and a washable hat and chemical resistant gloves. Clothing must be laundered after each day's use.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT

This product is highly toxic to fish and aquatic invertebrates. DO NOT contaminate streams, rivers or waterways with this product or used container.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, which could be expected to cause spray drift onto adjacent crops, croplands, pasture, livestock or aquatic areas.

## STORAGE, SPILLAGE AND DISPOSAL

Keep out of reach of children. Store in the closed, original container in a cool, well ventilated area. 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

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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 eyes. When opening the container and preparing spray wear elbow-length PVC gloves. If applying by hand (using backpack spray) wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves. Wash hands after use

## 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.

## SAFETY DATA SHEET

Additional information is contained in the Safety Data Sheet. A copy can be obtained from the website: [www.campbellchemicals.com.au](http://www.campbellchemicals.com.au)

**CONDITIONS OF SALE:** Agricultural, horticultural and pastoral preparations in their application involve varying factors such as differing conditions, soil, climate and methods of application over which Colin Campbell (Chemicals) Pty Ltd (Company) does not have control. Whilst the Company believes that all goods sold by it are true to label and are effective and safe for the purpose indicated, the Company expressly excludes all conditions, guarantees and warranties, whether express, implied, statutory or otherwise, relating in any way to the goods and accepts no responsibility for any loss, harm or damage whatsoever suffered from the use of the goods for any purpose or purposes. Notwithstanding the foregoing, where any legislation implies any condition, guarantee or warranty (each, a Statutory Guarantee) and that legislation prohibits provisions excluding, restricting or modifying the application of, the exercise of a right conferred by or liability under such Statutory Guarantee, such Statutory Guarantee shall not be excluded. However the Company's liability for any breach of such Statutory Guarantee shall, if permitted by that legislation, be limited at the Company's option to the replacement of the goods or the supply of equivalent goods, or the payment of the cost of replacing the goods or of acquiring equivalent goods.

APVMA Approval No: 89974

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