

Product Name: Surefire Seriatim Fungicide
APVMA Approval No: 92771/136604



Label Name:	Surefire Seriatim Fungicide
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENTS: 252 g/kg BOSCALID 128 g/kg PYRACLOSTROBIN
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Mode of Action:	GROUP 7 11 FUNGICIDE
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Statement of Claims:	For the control of blackspot (scab), powdery mildew, Alternaria leaf blotch, and Alternaria fruit spot in apples, and blackspot (scab) in pears as specified in the DIRECTIONS FOR USE table.
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Net Contents:	NET CONTENTS: 1 kg – 20 kg
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Restraints:	RESTRAINTS: DO NOT apply by aerial application in apples. 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
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exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

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 (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for vertical sprayers') are observed.

Buffer zones for vertical sprayers

Application Rate	Mandatory Downwind Buffer Zones
	Natural Aquatic Areas
Up to Maximum Label Rate	60 metres

Directions for Use: This section contains file attachment.

Other Limitations:

Withholding Periods:

WITHHOLDING PERIODS

HARVEST:

DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION

GRAZING:

DO NOT TREAT ORCHARDS THAT WILL OR MAY BE GRAZED BY LIVESTOCK

EXPORT SLAUGHTER INTERVAL (ESI): DO NOT FEED TREATED PRODUCE TO LIVESTOCK FOR 7 DAYS BEFORE SLAUGHTER.

FRUIT AND FRUIT PRODUCTS INTENDED FOR EXPORT:

CONSULT APPLE AND PEAR AUSTRALIA (APAL) (www.apal.org.au) OR PCT Holdings Pty Ltd FOR THE RECOMMENDED WITHHOLDING PERIOD

Trade Advice:

Export of Treated Produce

Growers should note that Maximum Residue Limits (MRLs) or import tolerances do not exist in all export markets for fruit treated with Surefire Seriatim Fungicide. Additionally, some export markets have established MRLs different to those in Australia. If you are growing fruit for export please check with your industry spray diary, Apple and Pear Australia Ltd (APAL) – www.apal.org.au or PCT Holdings Pty Ltd for the latest information on MRLs and import tolerances before using Surefire Seriatim Fungicide.

General Instructions:

GENERAL INSTRUCTIONS

MIXING

Partly fill the spray tank with water and add the required amount of product while stirring. If required, add compatible products and agitate thoroughly. Continue agitation as filling of the tank is completed. Agitate again before spraying commences.

If tank mixing with other water dispersible granule (WG) or wettable powder (WP) formulations, ensure they are mixed in well before adding emulsifiable concentrate (EC) or suspension concentrate (SC) products. WP formulations should be pre-mixed separately prior to adding to the spray tank.

APPLICATION

Dilute Spraying

	◆ Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. ◆ Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. ◆ The required water volume may be determined by applying different test volumes using different settings on the sprayer, from industry guidelines or expert advice. ◆ Add the amount of product specified in the Directions for Use table for each 100 L of water. Spray to the point of run-off. ◆ The required dilute spray volume will change and the sprayer set-up and operation may also need to be changed as the crop grows. Concentrate Spraying ◆ Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. ◆ Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. ◆ Determine an appropriate dilute spray volume (See Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate mixing rate. ◆ The mixing rate for concentrate spraying can then be calculated in the following way: EXAMPLE ONLY Dilute spray volume as determined above: For example 1500 L/ha Your chosen concentrate spray volume: For example 500 L/ha The concentration factor in this example is: 3 X (i.e. 1500 L ÷ 500 L = 3) As the dilute label rate is 120 g/100 L, then the concentrate rate becomes 3 x 120, that is 360 g/ 100 L of concentrate spray. ◆ The chosen spray volume, amount of product per 100 L of water, and the sprayer set-up and operation may need to be changed as the crop grows. ◆ For concentrate application, do NOT use in equipment that requires rates greater than 200 g/100 L (5X concentration). DO NOT apply in volumes less than 250 L/ha. ◆ For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices. COMPATIBILITY Surefire Seriatim is compatible with a wide range of agricultural chemicals commonly applied to apples. For further information on compatibility please contact your local reseller or PCT Holdings Pty Ltd representative.
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Resistance Warning:	Fungicide Resistance Warning GROUP 7 11 FUNGICIDE Surefire Seriatim Fungicide is a combination of a oxathiin and a strobilurin fungicide. For fungicide resistance management, the product is both a Group 7 and a Group 11 fungicide. Some naturally occurring individual fungi resistant to the product and other Group 7 and/or Group 11 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product and other Group 7 and/or Group 11 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, PCT Holdings Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.
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Precautions:	PRECAUTIONS: 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.
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Protections:	PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT
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	Toxic to aquatic organisms. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.
Storage and Disposal:	STORAGE AND DISPOSAL Store in the closed, original container in a cool, well-ventilated area. DO NOT store 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 re-cycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging 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 or product.
Safety Directions:	SAFETY DIRECTIONS: Will irritate the eyes. Avoid contact with eyes. Wash hands after use.
First Aid Instructions:	FIRST AID If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.
First Aid Warnings:	

DIRECTIONS FOR USE

CROP	DISEASE	RATE	CRITICAL COMMENTS
Apple	Blackspot (scab) <i>(Venturia inaequalis)</i> Powdery mildew <i>(Podosphaera leucotricha)</i> Alternaria leaf blotch and Alternaria fruit spot <i>(Alternaria mali)</i>	<u>Dilute spray</u> 40 g/100 L water <u>Concentrate spray</u> Refer to the Application section.	<u>Apple</u> Application may commence at spurburst for black spot (scab), and at early pink stage for powdery mildew control. Application for the control of Alternaria leaf blotch and Alternaria fruit spot should begin after blossom and during early fruit development. <u>Pear</u> Application should commence during the blossom period, or earlier if conditions favour disease. <u>Apple and Pear</u> Apply at 7 to 10 day intervals prior to petal fall and during periods of rapid growth. Later applications should be at 10 to 14 day intervals, or according to prevailing weather conditions and disease incidence. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. DO NOT use in equipment that requires concentrations greater than 200 g of Surefire Seriatim / 100 L of water (5 X concentration). Ensure thorough and even coverage of all plant parts. May be used with the recommended rate of a non-ionic wetting agent. The use of Surefire Seriatim is subject to the CropLife Australia Resistance Management Strategy. DO NOT apply more than three applications of Surefire Seriatim or other Group 7 or 11 fungicides per season. If two consecutive applications of Surefire Seriatim or other Group 7 or 11 fungicides are used, then they must be followed by at least the same number of applications of fungicides from different groups before Surefire Seriatim or other Group 7 or 11 fungicides are used again, either in the current or following season.
Pear	Blackspot (scab) <i>(Venturia pirina)</i>		

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