



We create chemistry

CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Sercadis[®]

Fungicide

ACTIVE CONSTITUENT: 300 g/L FLUXAPYROXAD

GROUP	7	FUNGICIDE
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For the control of yellow sigatoka and leaf speckle in banana, and black spot or scab, powdery mildew, and Alternaria leaf blotch in apple and black spot or scab in pear as per the DIRECTIONS FOR USE table.

IMPORTANT: READ THE SAFETY DIRECTIONS BEFORE USING THIS PRODUCT

CONTENTS: 1L - 110L

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APVMA Approval No.: 85638/135367



DIRECTIONS FOR USE

- DO NOT apply if heavy rains or storms are forecast within 3 days
 - DO NOT irrigate to the point of runoff for at least 3 days after application
 - DO NOT apply to waterlogged soil
 - DO NOT apply by spraying equipment carried on the back of the user
 - DO NOT apply by a boom sprayer
 - DO NOT apply by aircraft to apples or pears
- For PROFESSIONAL use only

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 three 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 vertical sprayer unless spray is not directed above the target canopy and 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

DO NOT apply by aircraft unless spray droplets are not smaller than a MEDIUM spray droplet size category and for maximum release height above the target canopy of 3 metres or 25 per cent of wingspan or 25 per cent 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 (bananas only)

Type of aircraft	Mandatory downwind buffer zones
	Natural aquatic areas
Fixed-wing	10 metres
Helicopter	20 metres

CROP	DISEASE	RATE	CRITICAL COMMENTS
Apple	<p>Black Spot or Scab (<i>Venturia inaequalis</i>)</p> <p>Powdery mildew (<i>Podosphaera leucotricha</i>)</p> <p>Alternaria leaf blotch (<i>Alternaria mali</i>)</p>	20 mL/100L	<p>Sercadis should be applied before disease is visible. Application may commence at green tips for black spot (scab), and at pink bud stage for powdery mildew control. Applications for alternaria may commence post-flowering/early fruit development.</p> <p>Apply at 7 to 10 days interval prior to petal fall and during periods of rapid growth. Later applications should be at 10 to 14 days interval, or according to prevailing weather conditions and disease incidence.</p> <p>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.</p> <p>DO NOT use in equipment that requires concentrations greater than 5x concentration factor.</p> <p>Ensure thorough and even coverage of all plant parts. The use of Sercadis Fungicide is subject to the CropLife Australia Resistance Management Strategy. DO NOT apply more than three applications of Sercadis Fungicide per season.</p>
Banana	<p>Yellow Sigatoka (<i>Micosphaerella musicola</i>)</p> <p>Leaf speckle (<i>Micosphaerella musae</i>)</p>	165 mL/ha + 3 to 5 L/ha BioPest Oil	<p>Maintain good crop hygiene by regularly removing old and diseased leaves to reduce the source of disease inoculum. Apply Sercadis up to four sprays per season as part of a preventive disease control program, commencing before symptoms of the disease are visible. Sercadis can be sprayed at 14 to 21 days interval, use the shorter interval when the disease pressure is high. Alternate the application of Sercadis with other mode of action fungicides.</p> <p>Apply Sercadis in tank mix with BioPest Oil or equivalent high quality paraffinic oil.</p> <p>Fungicide Resistance Management The use of Sercadis for Yellow Sigatoka on banana is subject to a CropLife Australia Fungicide Resistance Management Strategy. General fungicide resistance management guidelines must be followed when using Sercadis to control Leaf speckle.</p>
Pear	Black spot (scab) <i>Venturia pyrina</i>	20 mL/100L	<p>Sercadis should be applied before disease is visible. Application may commence at green tips for black spot (scab)</p> <p>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.</p> <p>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.</p> <p>DO NOT use in equipment that requires concentrations greater than 62.5 / 100 L of water (5x concentration). Ensure thorough and even coverage of all plant parts. The use of Sercadis Fungicide is subject to the CropLife Australia Resistance Management Strategy. DO NOT apply more than three applications of Sercadis Fungicide.</p>

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

WITHHOLDING PERIODS

Harvest: NIL

Grazing – Apples & Pear: DO NOT graze treated areas.

TRADE ADVICE

Export Trade Advice – treated crops: treated crop commodities destined for export may require extra time between application and harvest to be accepted in some export markets. Before you use this product, you are advised to contact BASF Australia Ltd and/or your industry body about any potential trade issues and their management.

GENERAL INSTRUCTIONS**MIXING**

To ensure even mixing, half-fill the spray tank with clean water and add the required amount of product. Agitate and, for bananas only, add the required amount of BioPest Oil (or equivalent product). Then add the remainder of the water.

SERCADIS Fungicide is physically compatible with the following products in a two-way tank-mix (maintain constant agitation throughout):

Fungicides:

Chorus WG, Delan WG, Polyram DF, Systhane EC,

Insecticides:

Calypso 480 SC, Prodigy SC, Voliam Targo SC, Regalis Plus Plant Growth Regulator.

As formulations of other manufacturer's products are beyond the control of BASF, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities. Physical compatibility of products does not necessarily guarantee biological compatibility. When determining physical compatibility of a product not listed above, or in mixes with SERCADIS more than a two-way mix, conduct a jar test prior to mixing commercial quantities.

SERCADIS is a suspension concentrate (SC) formulation. When using in a tank mix with other products, the following mix order should be observed;

1. Half fill the spray tank with water. Maintain constant agitation;
2. Add any water dispensable granule (WDG/WG), wettable powder (WP), dry flowable (DF), water soluble granule (SG) formulated products first and allow dispersion
3. Add any other flowable liquid (FL) and soluble concentrate (SC) formulations including SERCADIS Fungicide
4. Add any other emulsifiable concentrate (EC) formulations and micro-emulsions (ME)
5. Add any water-soluble salts
6. Add any adjuvants as required
7. Add any foliar fertilizer as required
8. Add remaining water

APPLICATION

Apples and Pears: Apply by vertical sprayer.

Bananas: Apply by misting machine, airblast sprayer or aircraft. Use a minimum of 30 L water per hectare by air.

FUNGICIDE RESISTANCE WARNING

GROUP	7	FUNGICIDE
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Sercadis Fungicide is a member of the succinate dehydrogenase inhibitor (SDHI) group of fungicides. For fungicide resistance management, Sercadis Fungicide is a Group 7 fungicide. Some naturally-occurring individual fungi resistant to Sercadis Fungicide and other Group 7 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 Sercadis Fungicide or other Group 7 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, BASF Australia Ltd accepts no liability for any losses that may result from the failure of Sercadis to control resistant fungi.

RE-ENTRY PERIOD

Do not allow entry into treated areas until spray has dried. Even once spray is dried do not allow entry into treated apples and/or pears for 8 days after treatment. If prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

STORAGE 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 rinse containers before disposal. Dispose of rinsate by adding it to the spray tank. Do not dispose of undiluted chemical on site. If not applying via a spray tank dispose of rinsate or any undiluted chemical according to state legislative requirements.

Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced but may be taken separately.

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 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 and skin. Avoid contact with eyes and skin. When preparing and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. For applying by airblast equipment, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat and gauntlet length chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing.



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FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.
If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS).

CONDITIONS OF SALE

All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of BASF Australia Ltd or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non- excludable conditions or warranties of the Competition and Consumer Act 2010 or any relevant legislation of any State are expressly preserved but the liability of BASF Australia Ltd or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of BASF Australia Ltd.

APVMA Approval No.: 85638/135367

Batch No:

Date of Manufacture:

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FOR SPECIALIST ADVICE IN AN

EMERGENCY ONLY

PHONE 1800 803 440

TOLL FREE - ALL HOURS - AUSTRALIA WIDE

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Fungicide

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Additional statements as required by Safe Work Australia in accordance with the Globally Harmonized System of Classification and Labelling (GHS)

HAZARD STATEMENT

May cause harm to breast fed child.

PRECAUTIONARY STATEMENTS (Prevention)

Do not breathe dust or mist. Avoid contact during pregnancy and while nursing.
Do not eat, drink, or smoke when using this product.

PRECAUTIONARY STATEMENTS (Response)

If exposed or concerned: Get medical attention.