

SPECIMEN LABEL

WARNING

KEEP OUT OF REACH OF CHILDREN
READ LABEL COMPLETELY BEFORE OPENING OR USING

Sercadis[®]

Fungicide for the control of black spot and powdery mildew of apples, black spot of pears, white rot of onions, and powdery mildew of winter squash.

Contains 300 g/litre fluxapyroxad in the form of a suspension concentrate.

GROUP **7** FUNGICIDE

1 L

Registered to and distributed by:
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We create chemistry

Hazard Classification

6.9B, 9.1A



WARNING

HARMFUL. May cause liver damage through prolonged or repeated oral exposure at high doses. **VERY TOXIC TO AQUATIC LIFE.** May cause long term adverse effects in the aquatic environment. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

PRECAUTIONS

HANDLING: This product must be under the personal control of an APPROVED HANDLER when applied in a wide dispersive manner or used by a commercial contractor.

STORAGE: Store in original container, tightly closed, in a locked, dry, cool, well-ventilated place away from food and animal feeds. Keep away from heat and protect from direct sunlight. Stores containing 100 litres or more of this product require emergency response plans and secondary containment systems, and are subject to signage.

SPILLAGE: Prevent further spillage and product from entering waterways. Wear overalls, gloves, footwear and goggles. Absorb spill with an inert material such as synthetic absorbent and place in a labeled, sealable container for disposal. Wash the spill area with water and detergent, then absorb the washings and place in the same sealable container. Dispose of the waste safely in a suitable landfill.

PERSONAL PROTECTION: When mixing and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, suitable gloves, and goggles or a face shield.

GENERAL SAFETY AND HYGIENE MEASURES: Avoid contact with skin, eyes and clothing. Avoid inhalation of dust or spray mist. **DO NOT** eat, drink or smoke when using this product. Remove protective clothing and wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing immediately after use. Store work clothing separately.

USE AND ENVIRONMENTAL PROTECTION: Apply with well-maintained and accurately calibrated spray equipment. **DO NOT** spray onto, over or into water. **DO NOT** allow drift over surface water such as ponds, waterways or drains. Clean out application equipment thoroughly after use. **DO NOT** contaminate water when disposing of equipment wash waters. If RE-ENTRY work is required within 7 days of application, protective gloves must be worn.

RECORD KEEPING: Records of use must be kept if 3 litres or more of this product is applied in a place where it is likely to enter air or water and leave the place.

NOTE: Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

DISPOSAL: Container: Triple rinse empty container and add residue to the spray tank. Recycle the rinsed container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Product: Dispose of this product only by using according to the label or at an approved landfill. **DO NOT** burn product. **DO NOT** contaminate any water supply with product or used container.

FIRST AID

If medical advice is needed, have product container or label at hand. **IF SWALLOWED:** Rinse mouth. **DO NOT** induce vomiting. For advice, contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor. **IF ON SKIN OR CLOTHING:** Remove contaminated clothing and wash skin with plenty of soap and water. **DO NOT** scrub skin. **IF IN EYES:** Wash out immediately with water.

GENERAL INFORMATION

SERCADIS is a novel carboxamide fungicide providing protectant activity against black spot of apples and pears, powdery mildew of apples and winter squash, and white rot of onions. It is locally systemic and translaminar to provide some protection to new growth. Thorough coverage of the crop is necessary for best results. Best results are obtained from protectant applications prior to the onset of infection.

Integrated Mite Control

SERCADIS is compatible with IMC programmes based on *Typhlodromus pyri*.

RESISTANCE MANAGEMENT

SERCADIS contains fluxapyroxad, a fungicide from the pyrazole-4-carboxamide class of chemistry, with a SDHI (Succinate Dehydrogenase Inhibitors) mode of action, **GROUP 7 FUNGICIDE**. Resistance to this fungicide and related Group 7 fungicides could develop from excessive use. To minimise this risk use strictly in accordance with the label instructions and resistance management strategies that exist for any fungus listed on the label. SERCADIS should be used in a programme that incorporates fungicides with different modes of action to that of Group 7 fungicides. Refer to the NZCPR web site (www.nzpps.org/resistance/index.php) for more detailed information.

DIRECTIONS FOR USE

It is an offence to use this product on animals.

The rates recommended are for high volume spraying to the point of run off. For concentrate spraying adjust dilution rate accordingly. For concentrate spraying the rate of product applied must be equal to the rate that would be applied per hectare with dilute application (refer to tree row volume rate indications).

Crop	Disease	Rate	Comments
Apples	Black spot and Powdery mildew	20 ml/100 litres water	Apply SERCADIS in a protectant programme at 7 to 10 day intervals from green tip up to 21 days after petal fall. DO NOT apply later than 21 days after petal fall or after fruitlets reach 25 mm in diameter, whichever is sooner. Use the shorter interval during periods of rapid growth and when heavy infection pressure occurs.
Pears	Black spot		Always apply SERCADIS in mixture with a broad spectrum protectant fungicide (e.g. Polyram® DF or Delan® WG) and in alternation with an effective fungicide from a different mode of action group. SERCADIS can be applied up to 4 times per season, with no more than 2 consecutive applications.
Onions	White rot	700 ml/ha in 500 litres water per hectare	Apply SERCADIS at 2-3 week intervals in sequence before or after 1 or 2 triazole fungicide (e.g. Cereous™) applications. Either apply a block of 2 consecutive sprays of SERCADIS, or, apply in strict alternation with an effective fungicide with a different mode of action. DO NOT apply more than 3 times per season.
Winter Squash	Powdery mildew	200 ml/ha	Apply SERCADIS in sequence once plants start to run or when mildew infection is seen. Apply in strict alternation with an effective fungicide with a different mode of action. DO NOT apply more than 2 times per season.

Withholding Periods

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

Pome fruit: DO NOT apply later than 21 days after petal fall or after fruitlets reach 25 mm in diameter, whichever is sooner.

Bulb onions: DO NOT harvest within 21 days of last application.

Winter squash: DO NOT apply later than 21 days before harvest.

Grazing: DO NOT allow stock to graze within treated fields and orchards until after harvest. A one day Slaughter Withholding Period must be observed for stock after being removed from pasture grown in rotation from a SERCADIS treated crop.

For export refer to the exporter guidelines.

Compatibility

SERCADIS may be tank mixed with most commonly used fungicides and insecticides, and with the plant growth regulator Regalis® Xtra on apples. On onions, SERCADIS may be tank mixed with most commonly used fungicides, insecticides, herbicides and foliar fertilisers. On winter squash, SERCADIS may be tank mixed with most commonly used fungicides, insecticides and foliar fertilisers. Contact your local supplier regarding suitable tank mix partners.

Adjuvants

No adjuvants are required.

Mixing

To ensure thorough mixing of the product, invert the container several times before opening. Measure out the required amount of SERCADIS directly into a partly filled spray tank with agitation operating. Complete filling and maintain agitation until spraying is complete.

Rainfall

SERCADIS is rainfast once dried on the crop. Cover sprays should be replaced after 50 mm of rainfall or after three or more consecutive days of significant rainfall, e.g. 12 mm or greater / day.

Tree Row Volume Rate Guide

Tree row volume is affected by the shape and density of trees. The lower water and product rates are indicated on pyramid shaped trees of moderate to low density. Higher rates are indicated for dense foliage and box shaped trees.

Tree height	Indicated dilute water rate	Rate of SERCADIS per hectare
2 metres	1000-1500 litres / ha	0.2-0.3 L/ha
3 metres	1500-2000 litres / ha	0.3-0.4 L/ha
4 metres	2000-2500 litres / ha	0.4-0.5 L/ha

CONDITIONS OF SUPPLY

Read conditions of supply before buying and using. If these conditions are unacceptable, return at once unopened. All goods supplied by BASF New Zealand Limited are of a high grade and conform to the chemical description of the label. However, to the extent permitted by law, neither BASF New Zealand nor any of its Distributors accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with the supply of those goods including without limitation their storage, application, handling or use. BASF New Zealand Limited nor any of its Distributors, make no warranties of any kind, express or implied, with respect to fitness for purpose (including crop injury, ineffectiveness or any other unintended consequence), merchantable quality or any other matter with respect to these goods. When you are a consumer as defined in the Consumer Guarantees Act 1993 (the "Act") these conditions will be subject to the provisions of the Act. However the Act will not apply to goods supplied to you for business purposes.

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