

READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN AND ANIMALS. SHAKE THE BOTTLE WELL BEFORE USE



Fungicide

**BASIS 500 SC**

Reg. No. L 9775 Act No. 36 of 1947

3: 31/04/2023 – June 2025

A suspension concentrate, systemic fungicide for the control of diseases mentioned on the crops as listed.

### ACTIVE INGREDIENT

boscalid (pyridine-carboxamide) 500 g a.i./l

GROUP

7

FUNGICIDE



#### Hazard Statements:

May be harmful in contact with skin.  
Toxic to aquatic life with long lasting effects.



WARNING

#### Precautionary Statements:

IF ON SKIN: Get medical help.  
Avoid release to the environment.  
Collect spillage.  
Dispose of content/container to suitable landfill in accordance with local regulations.

DIRECTIONS FOR USE ENCLOSED  
Batch Number: \_\_\_\_\_  
Expiry Date: \_\_\_\_\_  
Date of Manufacture: \_\_\_\_\_



**villa**



UN Number: 3082

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.  
Co. Reg. No. 1983/008184/07  
65 Botes Road, Glen Marais, Kempton Park, 1619  
Tel. (011) 396 2233  
Website: [www.villacrop.co.za](http://www.villacrop.co.za)

IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:  
Griffon Poison Information Centre (National): +27 82 446 8946  
Poison Information Helpline (National): +27 861 555 777  
24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411  
(Client: Villa Crop Protection)

**BASIS 500 SC**

Reg. No. L 9775 Act No. 36 of 1947

FRAC FUNGICIDE GROUP CODE: 7

**ACTIVE INGREDIENT:**

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**WARNINGS****Withholding periods:**

Allow the following number of days between last treatment and harvest, or use as food or feed:	
Apples	14 days
Table grapes	28 days
Wine grapes	28 days

**NOTE**

THE MAXIMUM RESIDUE (MRL'S) LEVELS WILL NOT BE EXCEEDED, PROVIDED APPLICATIONS ARE APPLIED AS HERewith PRESCRIBED. WHEN PRODUCTION IS DESTINED FOR THE EXPORT MARKET, THE EXPORT AGENCY OF CONCERN MUST BE CONTACTED, PRIOR TO THE USE OF BASIS 500 SC IN A SPRAY PROGRAMME.

**Hazard statements**

May be harmful in contact with skin
Toxic to aquatic life with long lasting effects.

- Handle with care.
- Harmful if swallowed.
- May cause skin and / or eye irritation.
- May cause irritation if inhaled.
- Store under lock and key in the original, tightly closed container in a locked, cool, well-ventilated, dry room, away from heat, light and air.
- Store away from food, feeds and fertilizers.
- Keep away from sources of ignition – no smoking.
- Keep out of reach of children, uninformed persons and animals.
- Use only containers approved specifically for this product.
- **Re-entry** – Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- **BASIS 500 SC** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in future which need to be tested; for this, apply **BASIS 500 SC** to a limited test area before commercial applications are made.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be effective under all conditions. The activity and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal, or for lack of performance of the remedy concerned due to failure by the user to follow the label instructions, or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

**PRECAUTIONS****Precautionary statements:**

IF ON SKIN: Get medical help.
Avoid release to the environment.

- Avoid skin and eye contact by wearing protective clothing when working with the product. Should eye contact occur, flush with plenty of water and seek medical attention.
- Wash with soap and water after use and accidental skin contact.

- Wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing or applying the product, or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous compounds	
Boscalid	500 g/l
Monoethylene glycol	<50 g/l
Tristyrylphenol ethoxylate nonionic emulsifier	<30 g/l

### **FIRST AID TREATMENT**

**Eye contact:** Immediately flush eyes with plenty of water. Remove contact lenses, if worn, and flush eyes with water for at least 20 minutes holding eyelids open. Seek medical attention if irritation persists.

**Skin contact:** Immediately wash affected areas thoroughly with soap and water. Remove contaminated clothing and footwear. Seek medical attention if irritation develops. Wash contaminated clothing thoroughly before re-use.

**Inhalation:** Remove victim to well ventilated area and loosen clothing around the neck. Keep victim warm and at rest. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. Seek medical attention if necessary.

**Ingestion:** If swallowed **DO NOT** induce vomiting unless advised to do so by a medical practitioner or National Poison Centre representative. Never give anything via mouth to an unconscious person. **Seek medical attention.**

### **NOTE TO PHYSICIAN**

Symptomatic treatment (decontamination, vital functions) and supportive therapy as indicated; no specific antidote known.

### **MODE OF ACTION**

Boscalid is a foliar fungicide, with translaminar and acropetal movement within the plant leaf, which provides preventative and, in some instances, curative action. It acts by inhibiting complex II in the mitochondrial electron transport chain. This then inhibits spore germination, germ tube elongation and is also effective on all other stages of fungal development.

### **RESISTANCE WARNING**

For resistance management, **BASIS 500 SC** is a group code 7 fungicide. Any disease population may contain individuals naturally resistant to **BASIS 500 SC** and other group code 7 fungicides. The resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant diseases may not be controlled by **BASIS 500 SC** or any other group code 7 fungicides.

#### **To delay fungicide resistance:**

- Grapes: **BASIS 500 SC** is restricted to one application per season.
- Always apply **BASIS 500 SC** preventatively before infection occurs.
- Avoid exclusive, repeated use of fungicides from the same fungicide group code. Alternate or tank mix with registered products from different fungicide group codes.
- A spray programme of alternations of remedies with different modes of action may delay resistant strain build-up.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **BASIS 500 SC** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to prompt use of a

fungicide with a different mode of action for which there is no record of resistance to the relevant disease. For specific information on resistance management, contact the registration holder of this product.

### **USE RESTRICTIONS**

- The uptake and activity of systemic compounds can be reduced when crops are under severe drought and/or nutrient stress conditions. Therefore, do not apply **BASIS 500 SC** under such conditions.
- Spray programmes with **BASIS 500 SC** should commence before disease/s become established.
- Do not apply **BASIS 500 SC** to any crop or situation not mentioned in this instruction leaflet.
- Only apply **BASIS 500 SC** using an accurate and safe application technique.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Universal Crop Protection (Pty.) Ltd. accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless a Villa representative was consulted beforehand.
- If **BASIS 500 SC** is used in combination with other recommended products, consideration should be given to the restrictions of those respective products.

### **DIRECTIONS FOR USE: Use only as directed.**

#### **Mixing Instructions:**

Half-fill the spray tank with suitable water. Measure the required amount of **BASIS 500 SC** and pre-mix this with at least 10 l water. Add this mixture to the tank while agitating. Fill the spray tank to the desired volume while maintaining agitation. Do not use brackish water. Should tank mixtures with other products be made, follow the respective manufacturers' label recommendations. Where wettable powder formulations are used in combination with **BASIS 500 SC**, a slurry should firstly be made with the powder and some water, mixed into the spray tank and finally the **BASIS 500 SC** can be added. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

#### **Compatibility:**

The compatibility of **BASIS 500 SC** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made. **BASIS 500 SC** is compatible with **Alaris WG** (L 9102).

### **APPLICATION METHODS**

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. **Constant agitation throughout the spray operation is essential.** Only clean water should be used.

Apply preventatively before an infection period occurs.

#### **Grapes:**

- **BASIS 500 SC** should be applied between full flower (50% flower hoods fallen) and pea berry stage, but before bunch closure.
- All further applications which are required should be made with other registered products from different fungicide Group Codes suitable for later treatments of Botrytis and powdery mildew.
- Apply **BASIS 500 SC** once in a robust botrytis or powdery mildew programme, which includes products with varying modes of action where resistance has not been reported, but not more than three times.

#### **Apples:**

##### **High volume spray:**

##### **Tree Row Volume formula:**

$$\text{l/ha} = \frac{\text{Tree height} \times \text{Tree diameter} \times 937}{\text{Row width}}$$

The following water requirements per hectare are recommended according to the different growth stages of the tree:

GROWTH STAGE	% HV – WATER REQUIREMENT/HA
From green tip to ± 30 % blossom	60%
From ± full blossom to ± mid-November	80%
From ± beginning December	100%

## RECOMMENDATIONS

Crop	Dosage Rate	Remarks
<p><b><u>Apples</u></b></p> <p>Scab <i>Venturia inaequalis</i></p>	<p>25 ml / 100 ℓ water</p> <p><b>OR</b></p> <p>25 ml / 100 ℓ water</p> <p>+</p> <p>16 g / 100 ℓ water <b>Alaris WG</b></p>	<p>Apply at 7-day intervals over the primary infection period from green tip to 75% petal fall. Thereafter, apply at 10 to 14-day intervals while conditions permit infection until early fruit set. If, during this time, weather conditions favour the development of disease, revert to 7-day intervals.</p> <p>The water volume to be applied per hectare must be calculated according to the Tree Row Volume (TRV) formula (See '<b>APPLICATION METHODS</b>')</p> <p>This is the water volume required when trees are in full leaf. Use the water volume required per hectare to calculate the amount of <b>BASIS 500 SC</b> required per hectare. See notes under '<b>APPLICATION METHODS</b>' for the water requirements per hectare recommended according to the different growth stages of the tree.</p> <p>Do not apply more than two (2) consecutive applications. A maximum of 4 SDHI fungicide applications may be used where 12 or more fungicide applications are made per crop, when used in a tank mixture.</p>
<p><b><u>Table grapes and Wine grapes</u></b></p> <p>Botrytis (<i>Botrytis cinerea</i>)</p> <p>Powdery mildew (<i>Uncinula necator</i>)</p>	<p>80 ml / 100 ℓ water</p>	<p>Apply preventatively between full flower (50% flower hoods fallen) and pea berry stage, but before bunch closure.</p> <p>Apply as a high volume, full cover spray.</p> <p>The water volume to be used depends on the size and growth stage of the crop.</p> <p>Ensure thorough wetting of the bunches. <b>BASIS 500 SC</b> must be applied as a single application in a Botrytis control programme. For good resistance management, the other applications must be made with an unrelated Botrytis fungicide.</p> <p>The application for the control of <i>Botrytis</i>, should simultaneously control powdery mildew. This could, therefore, replace a fungicide application in a 14-day spray programme, during a very critical stage of powdery mildew control.</p> <p><b>BASIS 500 SC</b> must be applied as a single application in a Powdery Mildew control programme. For good resistance management, the other applications must be made with an unrelated Powdery Mildew fungicide.</p> <p><b>APPLY BASIS 500 SC ONCE IN A ROBUST BOTRYTIS OR POWDERY MILDEW PROGRAMME, WHICH INCLUDES PRODUCTS WITH VARYING MODES OF ACTION WHERE RESISTANCE HAS NOT BEEN REPORTED, BUT NOT MORE THAN THREE TIMES.</b></p>

**ALARIS WG (L 9102)** is a registered product of  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**