

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

Fungicide



# CAPTAN 500 SC

Reg. No. L 10979 Act No. 36 of 1947

4: 07/03/2023 – Oct2023

A suspension concentrate fungicide for the control of diseases in crops as listed.

## ACTIVE INGREDIENT

captan (phthalamide) 500 g/l

GROUP M4 FUNGICIDE



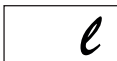
### Hazard Statements:

May be harmful in contact with skin.  
Causes mild skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Harmful if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Suspected of causing cancer.  
Very toxic to aquatic life.

### Precautionary Statements:

Avoid release into the environment.  
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

**DANGER**



**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 Centre: +27 82 446 8946  
24 HR Transport / Spill Emergency no: (Hazcal24) +27 86 044 4411  
(Client: Villa Crop Protection)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:  
Date of Manufacture:

**CAPTAN 500 SC**

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FRAC FUNGICIDE GROUP CODE: M4

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**WARNINGS****Withholding period:**

Minimum number of days between last application and harvest or feeding.	
Apples, Pears, Olives	14 days

**IMPORTANT:**

ABOVE-MENTIONED WITHHOLDING PERIODS REFER TO COMPLIANCE WITH LOCAL MAXIMUM RESIDUE LIMITS (MRL'S). HOWEVER, IT IS IMPORTANT TO NOTE THAT IMPORT TOLERANCES OF OTHER COUNTRIES MIGHT POSSIBLY BE EXCEEDED. IF THE TREATED CROP WILL BE EXPORTED, FIRST CONSULT THE RELEVANT IMPORTER OR EXPORTING BODY REGARDING THE USE OF THIS PRODUCT, MRL'S AND RECOMMENDED WITHHOLDING PERIODS.

**Hazard statements:**

May be harmful if swallowed.
Harmful in contact with skin.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Toxic if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing cancer.
Very toxic to aquatic life

- Handle with care.
- Toxic to wildlife.
- Store under lock and key in the original, tightly closed container in a cool, dry, well-ventilated area.
- Store away from food, feed, seed and fertilisers.
- Keep away from children, uninformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

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 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:**

Obtain, read and follow all safety instructions before use.
Avoid breathing fumes, mist or spray.
Wash hands and face thoroughly after handling. Do not touch eyes.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release into the environment.

Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
In case of inadequate ventilation wear respiratory protection.
IF ON SKIN: Wash with plenty of water and non-abrasive soap. Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
IF exposed or concerned, get medical advice.
If skin irritation or rash occurs: Get medical help.
If experiencing respiratory symptoms: Get emergency medical help immediately
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Do not eat, drink or smoke while preparing or applying the spray mix, or before washing face and hands and changing clothes.
- Wash contaminated clothing before re-use.
- Store away from food and feed and keep out of reach of children and animals.
- Avoid spray drift onto other crops, grazing, rivers, dams and other areas not under treatment.
- Clean equipment before and after use. Dispose of rinsate where it will not contaminate crops, pastures, rivers, dams or other water sources.
- **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 (3) 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, feed, drinking water and eating utensils.

Relevant hazardous components	
Captan	50 g/ℓ
MEG	<100 g/ℓ
Morwet D-425	<50 g/ℓ
Emulsogen TS160	<50 g/ℓ
Proxel GXL	<5 g/ℓ

### **FIRST AID MEASURES**

- **General advice:** Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. If exposed or concerned, get medical advice.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. **Seek medical attention. If experiencing respiratory symptoms: Get emergency medical help immediately.**
- **Skin:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if irritation or rash occurs.**
- **Eyes:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Obtain medical attention.**
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.
- **Advice to physician:** Treat symptomatically and supportively. No specific antidote known.

### **RESISTANCE MANAGEMENT**

For resistance management, **CAPTAN 500 SC** is a group code M4 fungicide. Any fungus population may contain individuals naturally resistant to **CAPTAN 500 SC** and other group code M4 fungicides. The resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **CAPTAN 500 SC** or any other group code M4 fungicide.

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

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with registered products from different fungicide group codes.

- Refer to individual product labels when alternating products or when using tank mixtures with registered products.
- A spray programme of mixtures or alternations with remedies with a different mode 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 **CAPTAN 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 resistance management information, contact the registration holder of this product.** Refer to the FRAC website ([www.frac.info/frac/index.htm](http://www.frac.info/frac/index.htm)) for the latest guidelines.

#### **Mode of action:**

**CAPTAN 500 SC** is a non-systemic fungicide with protective and curative action. It is a non-specific thiol reactant and functions by inhibiting respiration.

#### **USE RESTRICTIONS**

- Use of **CAPTAN 500 SC** on Forelle pears should be avoided.
- Apply according to good agricultural practices: Integrated Pest Management (IPM) and anti-resistant management programmes.
- Do not apply **CAPTAN 500 SC** to any crop or situation not mentioned in this label.
- 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 Crop Protection (pty) Ltd representative was consulted beforehand.
- If **CAPTAN 500 SC** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.

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

##### **Mixing instructions:**

- **Shake the container well before use and replace the cap directly after use.**
- Fill the spray tank to a third of the desired volume with clean water.
- Whilst agitating, add the recommended amount of **CAPTAN 500 SC** to the spray water and continue filling the tank.
- Fill the spray tank to the desired volume while maintaining agitation.
- Do not use brackish water.
- Do not leave the spray mixture to settle or stand before applying. If spraying is interrupted, the spray mixture in the tank should be agitated properly before spraying is commenced.
- **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

#### **APPLICATION TECHNIQUES**

**CAPTAN 500 SC** may be applied using conventional ground application spray equipment. Calibrate the apparatus before application to ensure that the correct dosage is applied. Ensure that application equipment is in good working order. The distribution of the spray volume must be uniform throughout the target area. **Constant agitation throughout the spray operation is essential.** Only clean water should be used. Ensure good coverage by using the spray volumes as indicated.

## RECOMMENDATIONS

<b>Crop &amp; Disease</b>	<b>Dosage rate</b>	<b>Remarks</b>
<b><u>Apples and Pears</u></b>  <b>Scab</b> <i>(Venturia inaequalis)</i>	150 to 200 ml / 100 l water	<p><b>Before flowering:</b> Start application at green-tip stage and repeat at 7-day intervals.</p> <p><b>After flowering:</b> Continue with 3 to 4 applications depending on the weather conditions and with intervals of 10 to 14 days. Use the higher dosage rate under severe infestation.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>Application of <b>CAPTAN 500 SC</b> may result in the development of leaf spots on sensitive apple cultivars (Such as Pearmain, Delicious, Cox) and on sensitive pear cultivars. Use on Forelle pears should be avoided.</li> <li>Do not apply in combination with sulphur, lime sulphur, other sulphur-containing products or mineral oil, or after a lime sulphur application.</li> </ul>
<b><u>Olives</u></b>  <b>Leaf Spot</b> <i>(Cycloconium oleaginum)</i>	150 to 200 ml / 100 l water	Apply two (2) high-volume applications to the point of runoff. Apply one (1) in spring before the new flush appears and then a second in autumn before the start of winter.
<b><u>Tobacco Seedbeds</u></b>  <b>Anthrachnose</b> <i>(Colletotrichum destructivum)</i>  <b>Black Root Rot</b> <i>(Thielaviopsis vasicola)</i>  <b>Black Shank</b> <i>(Phytophthora nicotianae)</i>  <b>Damping-off</b> <i>(Pythium, Fusarium and Rhizoctonia spp)</i>	200 ml / 100 l water	Apply 15 litres per 10 m <sup>2</sup> as a soil drench 3 weeks after germination and wash into the soil with 40 litres of water. Repeat applications every 10 to 14 days until transplanting.