

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



# Fungicide

# CENTRAL 500 SC

Reg. No. L 10289 Act No. 36 of 1947

5: 05/12/2024 – Dec2024

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

GROUP

27;11

FUNGICIDE

## ACTIVE INGREDIENTS

cymoxanil (cyanoacetamide-oxime) 350 g/l  
azoxystrobin (strobilurin) 150 g/l



**WARNING**



### Hazard Statements:

May be harmful if swallowed.  
May be harmful if in contact with skin.  
May cause an allergic skin reaction.  
Harmful if inhaled.  
Suspected of damaging fertility and the unborn child.  
May cause damage to organs (blood and thymus) through prolonged or repeated exposure.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Avoid release into the environment.  
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.  
If skin irritation or rash occurs: Get medical help.



# villa

UN Number: 3082

Registration holder: VILLA CROP PROTECTION (PTY) LTD.  
Co. Reg. No. 1992/002474/07  
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)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:      Expiry Date:

Date of Manufacture:

**CENTRAL 500 SC**

Reg. No. L 10289 Act No. 36 of 1947  
FRAC FUNGICIDE GROUP CODE: 27 & 11

**ACTIVE INGREDIENTS**

cymoxanil (cyanoacetamide-oxime)..... 350 g a./ L  
azoxystrobin (strobilurin) ..... 150 g a./ L

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

Allow the following number of days between the last application and harvest:	
Potatoes	7 days
Tomatoes	7 days

**NOTE**

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.

**SAFETY INFORMATION****Hazard statements:**

May be harmful if swallowed.
May be harmful if in contact with skin.
May cause an allergic skin reaction.
Harmful if inhaled.
Suspected of damaging fertility and the unborn child.
May cause damage to organs (blood and thymus) through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects

- Handle with care.
- Store in a cool, dry, well-ventilated place in the original container, tightly closed and secured.
- Store away from food, feeds, seed, fertilizers and other agricultural remedies.
- **CENTRAL 500 SC** may not be used on hydroponical or container grown crops.
- Keep out of reach of 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 efficacious under all conditions, because the action 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 concerned, 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 of 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.**

**Precautionary statements:**

Obtain, read and follow all safety instructions before use.
Do not breathe mist and spray.
Use only outdoors in a well-ventilated area.
Avoid breathing dust, fumes, mists, gas, vapours, or spray.
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.
IF SWALLOWED: Get medical help.
IF ON SKIN: Get medical help. Wash with plenty of water and non-abrasive soap.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned, get medical advice.
Get medical help if you feel unwell.
If skin irritation or rash occurs: Get medical help.
Store locked up.
Collect spillage.
Dispose of contents/container to suitable landfill in accordance with local regulations.

- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face or change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Do not use close to fishponds, fish tanks or aquaria.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, rivers or dams.
- **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.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

<b>Relevant hazardous components</b>	
<b>Cymoxanil</b>	350 g/l
<b>Azoxystrobin</b>	150 g/l
Tristyrylphenol ethoxy sulphate	< 100 g/l
MEG	< 100 g/l
Citric Acid	< 10 g/l
1, 2-benzisothiazolin-3-one	< 5 g/l

**In case of poisoning, call the following number:** +27 82 446 8946 (Griffon Poison Information Centre).  
**In case of a chemical spill call the following 24 Hr Transport / Spill emergency number:** +27 86 044 4411 (Hazcall24 / Client: Villa Crop Protection).

**SYMPTOMS OF HUMAN POISONING**

No specific symptoms associated with this product are known.

**FIRST AID TREATMENT**

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. If breathing has stopped, perform artificial respiration; if breathing is labored administer oxygen. Only qualified personnel should administer oxygen. **Seek medical attention immediately.**
- **Skin contact:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **If irritation persists, obtain medical attention.**

- **Eye contact:** Immediately flush eyes with clean water for at least 15-20 minutes. Lift eyelid (s) to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention immediately.**
- **Ingestion:** **Seek medical attention immediately.** Do NOT induce vomiting unless instructed to do so by a poison control centre or doctor. If the person is alert, rinse mouth thoroughly with water. Do not give anything by mouth to an unconscious person.

#### **NOTE TO PHYSICIAN**

There is no specific antidote available. Treat symptomatically and give supportive treatment.

#### **RESISTANCE WARNING**

**CENTRAL 500 SC** is a mixture of **Cymoxanil** and **Azoxystrobin** which are group code 27 and 11 fungicides respectively. Any fungus population may contain individuals naturally resistant to **CENTRAL 500 SC** and other group code 27 and 11 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **CENTRAL 500 SC** or any other group code 27 and 11 fungicides.

To delay fungicide resistance:

- avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes,
- integrate with other control methods (chemical, cultural, biological) into disease control programmes.
- For specific information on resistance management contact the registration holder of this product.

Since the occurrence of resistance cannot be forecast, users are advised to keep treated plants under close observation. If treatment is not effective following the use of **CENTRAL 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.

#### **MODE OF ACTION:**

**Cymoxanil:** Contact, foliar fungicide with protective and curative activity and local systemic mobility. It inhibits sporulation.

**Azoxystrobin:** Systemic fungicide with protective, curative and eradicant activity, absorbed by roots and leaves, translocated acropetally and by translaminar mobility. It inhibits spore germination and mycelial growth and shows antispore activity, by mitochondrial electron transport inhibition (MET III) through inhibition of ubiquinol oxidase at the Qo (quinone outside) binding site on cytochrome *bc<sub>1</sub>* (complex III).

#### **USE RESTRICTIONS**

- Do not use on hydroponical or container-grown crops.
- **CENTRAL 500 SC** must not be applied when crops are under severe drought and/or fertility stress conditions. The uptake and activity of systemic compounds may be reduced under these conditions.
- If rain occurs within two (2) hours after treatment, the product performance may be affected and the application must be repeated.
- Consult a representative or the distributor in the event of any uncertainty.

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

Read the entire label before application. This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under the Act to use this agricultural remedy for any purpose in a manner contrary with the directions on the label.

#### **General:**

- **CENTRAL 500 SC** is most effective when applied in a preventative programme.
- Apply in sufficient water per hectare, to give thorough coverage of the treated crops.

#### **Compatibility:**

- The compatibility of **CENTRAL 500 SC** with other products may be influenced by several factors. These factors may vary and a physical compatibility test must therefore always be performed, before such tank mixture is sprayed.
- When **CENTRAL 500 SC** is used in tank mixtures with any other agricultural remedy, all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label, must be adhered to.

#### **Mixing instructions:**

- **Shake container thoroughly before use.**

- Half fill the spray tank with clean water.
- Pre-mix the required amount of **CENTRAL 500 SC** with a small volume of water and ensure complete dispersion of the product in the water.
- Add the pre-mix to the spray tank, ensuring continuous agitation, while topping up the tank with water to the required level.
- Maintain agitation during application.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

#### General crop recommendation:

- Use **CENTRAL 500 SC** in a preventive spray programme alternating with registered fungicides from unrelated mode of action groups (thus not Groups 27 or 11).
- Commence with the first treatment of the spray program before the disease is observed. On potatoes, it is advisable to start the spray program not later than one (1) week after the potato plants have emerged.
- Good coverage of the crop during applications is essential.

#### APPLICATION INSTRUCTIONS

- Apply in at least 400 litres water per hectare with a correctly calibrated sprayer that is in good working condition, to ensure that the correct dosage is evenly distributed over the target area.
- Ensure complete coverage of plants. Plants with higher leaf surface area index will require higher spray volumes to obtain complete coverage.
- Apply with nozzles that produce a fine to medium droplet spectrum.

#### APPLICATION RATES

<b>Crop / Disease</b>	<b>Dosage Rate</b>	<b>Remarks</b>
<b>Potatoes</b> Late blight ( <i>Phytophthora infestans</i> )	0.5 l / ha	<p><b>Refer to “Resistance Management, Directions for Use and Crop recommendations” above.</b></p> <p><b>Apply preventively as part of a 7-day spray programme.</b></p> <p>Start with a weekly program application one (1) week after the potatoes have emerged. Use alternative effective fungicides as registered on potatoes up to week 5 after emergence in a 7-day spray interval. Apply <b>CENTRAL 500 SC</b> at 14-day intervals during week 6, 8 and 10 alternated with either <b>Mancozeb</b> or <b>Chlorothalonil</b> containing fungicides, during week 7, 9 and 11. Revert back to alternative effective fungicides in a 7-day spray program until such time when disease control is not required anymore.</p> <p><b>DO NOT APPLY MORE THAN THREE (3) CENTRAL 500 SC APPLICATIONS PER GROWING SEASON.</b></p> <p><u>Ground application:</u> At least 400 litres water per hectare is recommended. Ensure thorough coverage of treated plants.</p>

<b>Crop / Disease</b>	<b>Dosage Rate</b>	<b>Remarks</b>
<b>Tomatoes</b> Late blight ( <i>Phytophthora infestans</i> )	500 ml / ha  If the water volume exceeds 500 l / ha, apply at 100 ml / 100 l of water	Refer to “Resistance Management, Directions for Use and Crop recommendations” above. Apply <b>CENTRAL 500 SC</b> preventively as part of a 7 to 10-day spray programme.  <b>DO NOT APPLY MORE THAN THREE (3) TREATMENTS PER SEASON.</b>  All other applications must be done with different fungicides from unrelated chemical groups.  <u>Ground application:</u> At least 400 litres water per hectare is recommended. Ensure thorough coverage of treated plants.

Consult all products labels mentioned in this label for **WARNINGS, PRECAUTIONS, USE RESTRICTIONS** and **DIRECTIONS FOR USE**.

The following products mentioned in this label may be replaced with equivalent products:

- **COZEB 800 WP** (L 7098) = **VILLA UNIZEB 800 WP** (L 8056 / N-AR 1091) = **NEWZEB 800 WP** (L 8167) (**Mancozeb**),
- **NEWZEB 750 WDG** (L 8811) = **VILLA UNIZEB 750 WDG** (L 8812) = **COZEB 750 WDG** (L 8964) (**Mancozeb**),
- **ORONIL 720 SC** (L 8431) = **MISSION 720 SC** (L 8432 / N-AR 1298) (**Chlorothalonil**)

**VILLA UNIZEB 800 WP, VILLA UNIZEB 750 WDG** and **MISSION 720 SC** are registered products of **VILLA CROP PROTECTION (PTY) LTD.**

**COZEB 800 WP, NEWZEB 750 WDG** and **ORONIL 720 SC** are registered products of **UNIVERSAL CROP PROTECTION (PTY) LTD.**

**NEWZEB 800 WP** and **COZEB 750 WDG** are registered products of **CROPASURE (PTY) LTD.**