

Fungicide



# ELECTRON 500 SC

Reg. No. L 9637 Act No. 36 of 1947  
N-AR 1855

4: 3/1/2023 – Feb2023

A suspension concentrate fungicide with systemic action for the control of fungal diseases on crops as listed.

## ACTIVE INGREDIENT

fenhexamid (hydroxylanilide) 500 g/l

GROUP

17

FUNGICIDE



**DANGER**

### Hazard Statements:

Causes serious eye damage.  
Toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Avoid release to the environment.  
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

DIRECTIONS FOR USE ENCLOSED

Batch Number:

Date of Manufacture:



**villa**

UN Number: 3082

Registration holder: VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07

PO Box 10413, Aston Manor, 1630

Tel. (011) 396 2233

Website: [www.villacrop.co.za](http://www.villacrop.co.za)

24 HR EMERGENCY NUMBERS:

Griffon Poison Centre: +27 82 446 8946

24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411

(Client: Villa Crop Protection)

**ELECTRON 500 SC**

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N-AR 1855

FRAC FUNGICIDE GROUP CODE: 17

**ACTIVE INGREDIENT:**

fenhexamid (hydroxyanilide)..... 500 g/l

Registration holder:

**VILLA CROP PROTECTION (PTY) LTD.**

Co. Reg. No. 1992/002474/07

P.O. Box 10413, ASTON MANOR, 1630, Tel. (011) 396 2233

**WARNINGS**

<b>Allow the following number of days between the last application and harvest or grazing of the crops as listed below:</b>	
Strawberries	1 day
Table grapes	3 days
Wine grapes	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.**

**Hazard statements:**

Causes serious eye damage.
Toxic to aquatic life with long lasting effects.

- Handle with care.
- May be harmful if swallowed.
- Store the product in the original container in a cool, dry, well-ventilated place away from food, seed, feedstuff and other agricultural chemicals.
- 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 products not indicated on the label and the occurrence of resistance of the disease to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further 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 event of any uncertainty.**

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

Wash hands thoroughly after handling. Do not touch eyes.
Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF IN EYES: Get medical help.
Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Collect spillage.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Avoid inhalation of the spray mist.
- Wash with soap and water after use and accidental skin contact.

- Wash contaminated clothing after use.
- Do not eat, drink or smoke whilst mixing and applying the product or before washing hands and face and change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, 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.
- Prevent contamination of food, feed, drinking water and eating utensils.

<b>Relevant hazardous components</b>	
Fenhexamid	500 g/l
Ethoxylated alcohols	< 40 g/l
Ethylene glycol	< 55 g/l

### **FIRST AID TREATMENT**

- 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. Immediately consult a doctor.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- **Skin:** 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.
- **Eyes:** Immediately flush eyes with clean water for at least 15 to 20 minutes. Lift eyelid (s) to facilitate irrigation. If present, remove contact lenses after five (5) minutes and continue rinsing. **Seek medical attention.**
- **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**

Treat symptomatically and supportively. No specific antidote known. Activated charcoal and sodium sulphate may be administered if more than a mouthful has been ingested.

### **RESISTANCE WARNING**

**ELECTRON 500 SC** is a group code 17 fungicide. Any fungus population may contain individuals naturally resistant to **ELECTRON 500 SC** and other group code 17 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **ELECTRON 500 SC** or any other group code 17 fungicide.

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 other control methods (chemical, cultural, biological) into disease control programmes.

For specific information on resistance management contact the registration holder of this product.

**Mode of Action: Electron 500 SC** is a non-systemic, foliar fungicide with protective activity. It inhibits germ tube elongation and mycelium growth. It also inhibits sterol biosynthesis by inhibition of 3-keto-reductase during C4-demethylation (SBI class III).

### **USE RESTRICTIONS**

- Allow seven (7) days between the application of **ELECTRON 500 SC** and a dust application or products not listed above and do not apply **ELECTRON 500 SC** in combination with wetter/stickers or as a tank mixture with trace or macro element sprays in grapes.

**DIRECTIONS FOR USE: Only use as indicated.****Compatibility:**

- Refer to “**USE RESTRICTIONS**” above.
- Although **ELECTRON 500 SC** seems to be compatible with most other agrochemical products, the compatibility of **ELECTRON 500 SC** with other products cannot be guaranteed. A physical compatibility test must always be performed before such a tank mixture is sprayed. Water quality may influence the compatibility of **ELECTRON 500 SC**.
- When **ELECTRON 500 SC** is used in conjunction with any other agricultural remedy, adhere to all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label.

**Mixing instructions:**

- Shake the **ELECTRON 500 SC** container well before use.
- Half fill the spray tank with clean water.
- Premix the required quantity of **ELECTRON 500 SC** with at least 10 litres of water.
- Add the premix to the water in the spray tank.
- Agitate well to obtain a homogeneous emulsion.
- Fill the spray tank with water to the required level while maintaining agitation, to ensure thorough mixing.
- Maintain agitation while spraying.
- If another product is to be mixed with **ELECTRON 500 SC**, the required quantity of the other product should be premixed, prior to slowly adding to the spray mixture.
- Do not leave the prepared spray mixture in the spray tank for any length of time, e.g., overnight.

**Application instructions:**

**ELECTRON 500 SC** can be applied with conventional high-volume spray equipment. It is important that the sprayer will be in good working order and correctly calibrated prior to application, to ensure that the correct delivery rate and even distribution of the spray mixture is obtained.

**APPLICATION RATES****Remarks regarding resistance management in berries:**

- **Do not** exceed three (3) **ELECTRON 500 SC** applications per season per crop. If three (3) **ELECTRON 500 SC** treatments are applied, it must **not** be applied consecutively.
- Precede/alternate and follow the treatments in the spray programme with registered fungicides with a different mode of action.

**Remarks regarding resistance management in vines:**

- **Do not** exceed three (3) **ELECTRON 500 SC** applications per season per vineyard. If three (3) **ELECTRON 500 SC** treatments are applied, it must **not** be applied consecutively.
- Precede/alternate and follow the treatments in the spray programme with registered fungicides with a different mode of action e.g., **Support 400 SC, Taurus 500 SC, Choir 500 WDG**.

<b>Crop and disease</b>	<b>Dosage rate</b>	<b>Remarks</b>
<b>Strawberries</b> <i>Botrytis cinerea</i>	75 ml / 100 l water  <b>OR</b>  7.5 ml / 10 l water	Apply during flowering as a full cover spray at seven (7) day intervals. A preventative spray programme is recommended for the control of <i>Botrytis</i> which should commence at the onset of flowering. <b>Do not apply more than three (3) ELECTRON 500 SC treatments per season.</b> Alternate applications of <b>ELECTRON 500 SC</b> with registered <i>Botrytis</i> controlling fungicides with different modes of action.

<b>Crop and disease</b>	<b>Dosage rate</b>	<b>Remarks</b>
<b>Table Grapes</b> <i>Botrytis cinerea</i>	75 ml / 100 l water (750 ml to 1125 ml/ha)	Apply at flowering and the pea size stage of the berries as a high or low volume spray (refer <b>NOTES</b> below). <b>ELECTRON 500 SC</b> can also be applied at the start of ripening and shortly before harvest as a low volume spray application in 500 to 700 litres water per hectare with a suitably calibrated mistblower, delivering a droplet spectrum with a VMD of 150 to 200 µm. Do not spray past the point of run-off on the berries. <b>Do not apply more than three (3) ELECTRON 500 SC treatments per season.</b> For the control of <i>Botrytis</i> at growth stages not mentioned, use registered <i>Botrytis</i> controlling fungicides with different modes of action.
<b>Wine Grapes</b> <i>Botrytis cinerea</i>	75 ml / 100 l water (750 ml to 1125 ml/ha)	Treatments can be applied at full blossom stage, at pea size stage of the berries, at the start of ripening ( <i>véraison</i> ) or shortly before harvest. <b>Do not apply more than three (3) ELECTRON 500 SC treatments per season.</b> For the control of <i>Botrytis</i> at growth stages not mentioned, use alternative registered <i>Botrytis</i> controlling fungicides with different modes of action.

**NOTE****1. High volume application:**

Spray to the point of run-off ensuring even coverage. Depending on the leaf area present, 750 to 1500 litres spray mixture should be applied per hectare as follows:

<b>Growth stage</b>	<b>Water requirements per hectare as recommended according to the different growth stages of a tree:</b>	
	<b>Table grapes</b>	<b>Wine grapes</b>
Blossom to pea-size stage of the berries	1000 to 1500	750 to 1000
Berries at pea-size stage up to harvest	Refer to <b>NOTE 2</b> Low volume application	1000 to 1500

**2. Low volume application:**

- **ELECTRON 500 SC** can be applied as a low volume application. The volume of product required per hectare should be calculated from the corresponding high-volume application rate.
- The concentration of the spray mix should not exceed four times (4X) the highest concentration of a high-volume application (i.e., highest dosage in the lowest volume of water of the high-volume range indicated above).
- Wine grapes: Apply in at least 250 litres water per hectare and ensure even coverage.
- Table grapes: Apply in 500 to 700 litres water per hectare with a suitably calibrated mistblower at the start of ripening or shortly before harvest. Apply a droplet spectrum with a VMD of 150 to 200 µm up to the point of run-off and ensure even coverage.
- Do not spray past the point of run-off on the grape berries. Calculate the volume of product required per hectare from the high-volume application rate applicable to the particular vineyard at that growth stage.

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

- **SUPPORT 400 SC** (L 9282) = **SOURCE 400 SC** (L 9283) = **ORIGIN 400 SC** (L 9698) (**Pyrimethanil**),
- **TAURUS 500 SC** (L 8499 / N-AR 1137) = **IPIRODIONE 500 SC** (L 8459) (**Iprodione**) and,
- **CHOIR 500 WDG** (L 8957) = **CHANT 500 WDG** (L 8958) (**Cyprodinil**).

**SOURCE 400 SC, IPRADIONE 500 SC and CHANT 500 WDG** are registered products of  
**UNIVERSAL CROP PROTECTION (PTY) LTD.**

**SUPPORT 400 SC, TAURUS 500 SC and CHOIR 500 WDG** are registered products of  
**VILLA CROP PROTECTION (PTY) LTD.**

**ORIGIN 400 SC** is a registered product of **CROPASURE (PTY) LTD.**