

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.



Fungicide

ESSENCE 500 WDG

Reg. No. L 8956 Act No. 36 of 1947

4: 12/08/2022 – Aug2022

A water dispersible granular systemic fungicide for the control of certain fungal diseases on crops as listed.

ACTIVE INGREDIENT

azoxystrobin (strobilurin) 500 g/kg

GROUP

11

FUNGICIDE



WARNING

Hazard Statements:

May be harmful in contact with skin.
Harmful if inhaled.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Use only outdoors or in a well-ventilated area.
Avoid release to the environment.

kg

villa



UN Number: 3077

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

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)

DIRECTIONS FOR USE ENCLOSED

Batch Number:

Date of Manufacture:

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

ESSENCE 500 WDG

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FRAC FUNGICIDE GROUP CODE: 11

ACTIVE INGREDIENT:

azoxystrobin (strobilurin) 500 g/kg

Registration holder:

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

WARNINGS**Withholding periods:**

Allow the following number of days between the last application and harvest of the following crops:	
Table grapes	14 days
Citrus (excluding lemons)	77 days
Citrus (Lemons)	14 days

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 ESSENCE 500 WDG IN A SPRAY PROGRAMME.

Hazard statements:

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

- Handle with care.
- Do not contaminate dams, rivers, lakes or any other water sources.
- Store the product in the original container and always keep the container tightly closed.
- Store in a cool, dry, well-ventilated place, away from food, seed and animal feeds.
- 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.
- Lawns, turf grasses, sports fields and recreational areas: This product should only be used by registered Turf Grass Pest Control Operators or registered members of the Golf Course Managers and Green keepers Association.

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.

PRECAUTIONS**Precautionary statements:**

Do not breathe dust, mists and spray.
Use only outdoors or in a well-ventilated area.
Avoid release into the environment.
IF ON SKIN: Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help.
Collect spillage.
Store locked up
Dispose of contents/container to suitable landfill in accordance with local regulations.

- Avoid contact of product with skin and eyes.
- Wear rubber gloves, a face shield and boots when handling the concentrate.
- Wash contaminated clothes daily.
- Wash thoroughly with soap and water after application and accidental skin contact.
- In case of eye contamination, rinse the eyes thoroughly with plenty of clean, cold water for at least 20 minutes, holding the eyelid(s) open. If irritation persists obtain medical aid.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean the spraying equipment directly after use by rinsing with clean water and dispose of wash water where it will not contaminate crops, grazing, boreholes, rivers or dams.
- **TRIPLE RINSE EMPTY PLASTIC BAG AS FOLLOWS:** Turn the bag inside out Hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn or donate the bag to any other parties that may use it as container for foodstuffs.
- Prevent contamination of food, feeds, drinking water and eating utensils.

RESISTANCE WARNING

ESSENCE 500 WDG is a group code 11 fungicide. Any fungus population may contain individuals naturally resistant to **ESSENCE 500 WDG** and other group code 11 fungicides. The resistant individuals may eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **ESSENCE 500 WDG** or any other group code 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,
- for tank mixing or alternation with products in other fungicide group codes, refer to applicable individual product labels,
- integrate other control methods (chemical, cultural, biological) into disease control programmes.
- **Lawns, turf grasses, sports fields and recreational areas:** Apply **ESSENCE 500 WDG** as “block treatments” of two (2) consecutive sprays and alternate with fungicides in a different mode of action class. The total number of **ESSENCE 500 WDG** applications **MUST NOT EXCEED** 30 % of the total number of fungicide applications per season.

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

MODE OF ACTION:

Azoxystrobin is a systemic fungicide that is adsorbed quickly by the roots and translocated through the xylem to the stems and leaves, or through leaf surface to the leaf tips and growing edges. It inhibits spore germination, mycelial growth, and the spore production of fungi.

USE RESTRICTIONS

- Do not reduce the dosage rate of **ESSENCE 500 WDG** treatments.
- Fungicides with the same Mode of Action group code (e.g. strobilurines) must not be used in the same spray programme with **ESSENCE 500 WDG**.
- **ESSENCE 500 WDG** must be applied as part of a program application. Apply products from other Mode of Action group code fungicides in the Mildew spray programme. Refer to “**DIRECTIONS OF USE**” below.
- **ESSENCE 500 WDG must not be applied onto grape vine cuttings in nurseries.**
- **ESSENCE 500 WDG** must not be used on old neglected citrus trees, as they are extremely prone to fungicidal resistance.
- If resistance to strobilurin-containing products is suspected on a crop, **DO NOT** apply **ESSENCE 500 WDG**. Make use of registered fungicides with another mode of action.

DIRECTIONS FOR USE: Use only as directed.

Compatibility:

- **ESSENCE 500 WDG** is compatible with **Villa Unizeb 750 WDG** and most light to medium mineral oils.
- The compatibility of **ESSENCE 500 WDG** in tank mixtures with other products has not been confirmed and can be influenced by the formulations involved, as well as the water quality.

- A physical compatibility test of all products involved is recommended, before application, as formulations can be altered, and water quality can vary from area to area.
- Always consult the labels of products to be tank mixed with **ESSENCE 500 WDG**.

General information: Table grapes

- **ESSENCE 500 WDG** must be applied as a preventative treatment.
- **ESSENCE 500 WDG** should not be used as the first or last application in a spray programme.
- The recommended time for treatment with **ESSENCE 500 WDG** is from blossom to pea berry size.
- **Do not** apply more than 3 applications with a strobilurine product, per season. It is recommended to alternate each application with a fungicide(s) from other Mode of Action group code fungicides in the Mildew spray programme.

General information: Citrus

ESSENCE 500 WDG must always be applied in a programme application with a **Mancozeb** or a **Copper** containing product, in order to achieve a responsible resistance management programme. Accurate timing of treatments is essential to achieve efficient control.

- **ESSENCE 500 WDG** treatments must be applied as a preventive treatment with limited curative abilities.
- Refer to the respective **Villa Unizeb 750 WDG**, **Copper oxychloride WP** and narrow range mineral oil product labels for the respective “**DIRECTIONS FOR USE**” and “**APPLICATION RATES**”.
- **Lemons for export crop and local oil production:** All bearing and out of season fruit, must be removed from the trees before starting the programme application. Do not deviate from the recommended spray programme starting at fruit set (100 % petal drop).

General information: Lawns

Irrigation should not commence within two (2) hours after application except if the purpose of the irrigation is to wash **ESSENCE 500 WDG** into the soil or thatched area.

Mixing instructions:

- Half-fill the mixing tank with clean water.
- Premix the required quantity of **ESSENCE 500 WDG** in at least 10 litres of clean water in another container.
- Add the **ESSENCE 500 WDG** mixture to the mixing tank and fill the mixing tank to the required volume of water.
- If another product is to be added to the mixing tank, premix the required amount of this product with at least 10 litres of water, before adding to the mixing tank.
- Citrus only: Add the mineral oil last to the mixture. Fill the spray tank with water to the final volume required, while maintaining agitation.
- Ensure continuous agitation during mixing and application.
- Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

Application instructions: Table grapes

ESSENCE 500 WDG must be applied as a high-volume application with correctly calibrated conventional mistblowers. The following application volumes are recommended per hectare:

<i>Timing of treatment</i>	<i>Table grapes ℓ / ha</i>
Before blossom	500 to 750
Blossom	750 to 1000
Post blossom	1000 to 1500

APPLICATION RATES

Crop / Disease	Dosage rate	Remarks
Grapes (Table) Downy mildew (<i>Plasmopara viticola</i>) Powdery mildew (<i>Erysiphe necator</i> = <i>Oidium tuckeri</i>)	40 g / 100 ℓ water	Refer to “ Application instructions ”, “ USE RESTRICTIONS ” and “ DIRECTIONS OF USE ” above. Ensure thorough distribution and even coverage throughout the whole target area. The recommended time for treatment with ESSENCE 500 WDG is from blossom to pea berry size with a spray interval of 10 to 14 days. NOTE DO NOT use ESSENCE 500 WDG as the first or last application in a spray programme. To control <i>P. mildew</i> successfully ESSENCE 500 WDG should always be applied as part of a tank mix with another registered fungicide, from a different chemical group. Consult the label of tank mix partners for relevant withholding periods and for USE RESTRICTIONS, WARNINGS and DIRECTIONS FOR USE .
Citrus Black spot (<i>Guignardia citricarpa</i>) & Melanose	Always apply ESSENCE 500 WDG in a programme application. Ensure good coverage of all fruit with a medium to full cover spray.	
	200 g / 100 ℓ water Villa Unizeb 750 WDG	First application: Apply one (1) Villa Unizeb 750 WDG application at fruit set (100 % petal drop).
	10 g / 100 ℓ water PLUS 150 g / 100 ℓ water Villa Unizeb 750 WDG PLUS 300 ml / 100 ℓ water light to medium mineral oil	Second and Third application: Apply ESSENCE 500 WDG as a tank mix with Villa Unizeb 750 WDG and light mineral oil 21 to 24 days after the first Villa Unizeb 750 WDG application as a preventive treatment. Repeat this tank mix application 6 weeks later.
	200 g / 100 ℓ water Villa Unizeb 750 WDG	Further applications: Apply Villa Unizeb 750 WDG six (6) weeks after the second ESSENCE 500 WDG tank mix application. Repeat Villa Unizeb 750 WDG applications 21 to 24 days later if an infection period occurs in February.
	NOTE The first and fourth applications of Villa Unizeb 750 WDG solo can alternatively be replaced by Copper Oxychloride WP . Refer to the label for the appropriate “ DIRECTIONS FOR USE ” and “ APPLICATION RATES ”.	

Crop / Disease	Dosage rate	Remarks
<u>Lawns and Turf grasses, other sports fields and recreational areas</u> Brown patch <i>(Rhizoctonia solani)</i> Anthracnose <i>(Colletotrichum graminicola)</i>	Always apply ESSENCE 500 WDG in a programme application. Do not restrict the application to the diseased areas only. Treat non-affected surrounding areas as well. Adhere to the specific “ RESISTANCE WARNING ” above. <hr/> <u>14 day intervals:</u> 560 g/ha (11 g / 20 ℓ water) OR <u>28 day intervals:</u> 1120 g/ha (22 g / 20 ℓ water)	Start applications before any infection occurs and when conditions are conducive for disease development. <u>Ground application:</u> 800 to 1000 litres water per hectare. <u>Knapsack application:</u> 20 litres per 200 m ² .
Fairy ring <i>(Marasmius spp.)</i>	<u>28 day intervals:</u> 1120 g/ha (22 g / 32 ℓ water)	Start applications as soon as symptoms are noticed. An additional application may be needed after 28 days if symptoms are still evident. <u>Ground application:</u> 1600 litres water per hectare. <u>Knapsack application:</u> 32 litres per 200 m ² .
Pythium blight / Root rot <i>(Pythium spp.)</i>	<u>10 to 14 day intervals:</u> 1120 g/ha (22 g / 32 ℓ water)	Start applications before any infection occurs and when conditions are conducive for disease development. Reduce the application intervals to 10 days under high disease pressure. <u>Ground application:</u> 1600 litres water per hectare. <u>Knapsack application:</u> 32 litres per 200 m ² .
NOTE Apply ESSENCE 500 WDG in blocks of two (2) consecutive sprays and alternate with a fungicide in a different chemical class. The total number of ESSENCE 500 WDG applications MUST NOT EXCEED 30 % of the total number of fungicide applications per season.		

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

- **VILLA UNIZEB 750 WDG** (L 8812) = **NEWZEB 750 WDG** (L 8811) = **COZEB 750 WDG** (L 8964) (**Mancozeb**) and
- **COPPER OXYCHLORIDE WP** (L 6231 / N-AR 1879) = **COPPER OXYCHLORIDE WP** (L 5809).

NEWZEB 750 WDG and **COPPER OXYCHLORIDE WP** are registered products of
UNIVERSAL CROP PROTECTION (PTY) LTD.

COPPER OXYCHLORIDE WP and **VILLA UNIZEB 750 WDG** are registered products of
VILLA CROP PROTECTION (PTY) LTD.

COZEB 750 WDG is a registered product of
CROPASURE (PTY) LTD.