

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

Fungicide



KRESO WDG

Reg. No. L 8193 Act No. 36 of 1947

3: 16/02/2023 – April2023

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

ACTIVE INGREDIENT

kresoxim-methyl
(strobilurine)

500 g/kg

GROUP

11

FUNGICIDE



WARNING

Hazard Statements:

May be harmful in contact with skin.
Causes mild skin irritation.
Causes serious eye damage.
Suspected of causing cancer.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Avoid release into the environment.
Wash hands thoroughly after handling. Do not touch eyes.

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

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FRAC FUNGICIDE GROUP CODE: 11

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kresoxim-methyl (strobilurin) 500 g/kg

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WARNINGS**Withholding periods:**

Allow the following number of days between last application and harvest of the following crops:	
Apples & Pears	45 days
Citrus	56 days
Mangoes	48 days
Table & 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 KRESO WDG IN A SPRAY PROGRAMME.

Hazard statements:

May be harmful in contact with skin.
Causes mild skin irritation.
Causes serious eye damage.
Suspected of causing cancer.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- 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.
- **KRESO WDG** must not be sprayed on old, neglected citrus and lemon trees.
- 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.

PRECAUTIONS**Precautionary statements:**

Obtain, read and follow all safety instructions before use.
Wash hands thoroughly after handling. Do not touch eyes.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
Collect spillage.
IF ON SKIN: Get medical help.
If skin irritation occurs 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.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Avoid inhalation of dust and spray mist.
- Avoid prolonged contact of product with skin and contact with eyes.
- Wash contaminated clothes daily.
- 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 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, feed, drinking water and eating utensils.

Relevant hazardous components	
Kresoxim-methyl	50 %
Sodium dodecyl benzene sulfonate	<5 %
Styrene phenol polyethenoxy ether	<5 %
Calcium dodecyl benzene sulfonate	<5 %

FIRST AID TREATMENT

- **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. Obtain medical attention if irritation persists.
- **Eyes:** Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek 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 WARNING

KRESO WDG is a group code 11 fungicide. Any fungus population may contain individuals naturally resistant to **KRESO 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 **KRESO 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 fungicide group codes X and Y, refer to applicable individual product labels,
- 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

KRESO WDG is a local systemic fungicide with protective, curative, eradicator and residual activity, redistributes via the vapour phase. Inhibits spore germination. The active ingredient **Kresoxim-methyl** inhibits mitochondrial electron transport inhibition (MET III) by inhibition of ubiquinol oxidase at the Qo (quinone outside) binding site on cytochrome bc1 (complex III).

PROPERTIES

- **KRESO WDG** has a translaminar action and is taken up and transported in plants in such a way as to ensure a long-lasting effect.

DIRECTIONS FOR USE: Only use as directed.

Applications:

- As with other strobilurine products, the “block” application concept is proposed. Reference to a “block” programme on this label indicates a series of 2 to 3 consecutive applications with a strobilurine product.
- **It is of utmost importance that KRESO WDG be applied according to the “Anti-Resistance Strategy guidelines” as indicated below:**

General:

- **KRESO WDG** must be used in a preventive control spray programme.
- The number of applications of **KRESO WDG** and other strobilurines should (with the exception of citrus) represent 40 % or less of the total fungicide applications performed per crop in one season.
- For the rest of the spray programme, apply registered fungicides with a mode of action different from strobilurines.
- Do not use a strobilurine fungicide for the final fungicide application of the season (with the exception of citrus).
- **KRESO WDG** can be sprayed up to 72 hours after the onset of scab infection on apples and pears.

Apples and Pears:

- **KRESO WDG** applications must be started as early in the season as possible.
- **KRESO WDG** can be applied as prevention treatment against Powdery mildew and Scab, or curatively against Scab.
- The product must be applied in a block of 2 to 3 consecutive treatments, which can be preventively or curatively as indicated by the occurrence of infection periods.
- Increased dosage rates, as recommended for curative treatments, must only be applied after the onset (within 2 days) of infection periods.
- It is important not to apply more than three (3) applications of **KRESO WDG**, or any other strobilurine per season.
- High volume application:
Use the Tree Row Volume formula of Unrath (Deciduous Fruit Grower, Nov. 1986) to calculate the water volume to be applied per hectare. (This formula indicates the required volume of water for high volume (HV) applications when the trees are in full leaf):

$$l / \text{ha} = \frac{\text{tree height} \times \text{tree depth} \times 937}{\text{row width}}$$

The following table includes recommendations for water volumes according to the various stages of growth:

Growth stage	% HV water requirement per hectare
Greentip – 30 % of full blossom	60 %
Full blossom – middle November	80 %
From beginning of December	100 %

- Low volume application:
Use the above formula and growth stage table to calculate the required amount of **KRESO WDG** per hectare. For low volume sprays the dosage rate per 100 litres water must be increased to ensure that the amount of fungicide applied per hectare equals that of a high-volume application.

Citrus: (excluding Lemons)

- **KRESO WDG** must be sprayed with **VILLA UNIZEB 800 WP / COZEB 800 WP/ NEWZEB 800 WP** as part of a resistance management programme, to optimise the effectiveness of the product against fungal diseases. This will ensure the sustainable use of strobilurines. Correct timing of the applications is critical to maintain a high level of control.
- **Villa Unizeb 800 WP**, at the registered rate, should be applied first at fruit set (100 % petal drop) in a spray programme, followed by two **KRESO WDG** sprays according to the recommendations referred to

in the table under “**APPLICATION RATES**”. The spray programme must end with at least one **Mancozeb** application, as recommended.

- On citrus, **KRESO WDG** should be applied as a preventive treatment with limited curative abilities, to a maximum of three (3) days after infection.
- Due to old, neglected citrus and lemon trees being prone to fungicidal resistance, **KRESO WDG** must not be applied to these trees.
- Refer to the labels of **Villa Unizeb 800 WP** and the mineral oil used, for directions to their application.
- **KRESO WDG** should be applied as a medium- to full cover spray.

Grapes:

- **KRESO WDG** applications must be applied preventatively as early in the season as possible before onset of an infection period.
- In a spray programme, apply the **KRESO WDG** in a block of not more than three (3) treatments with Group Code 11 products per season.
- Use products from other group codes to alternate the spray programme.

a) Table grapes

- Apply **KRESO WDG** as either a high- or low volume application.
- High volume application: see rates in table below.
- For low volume sprays the dosage rate per 100 litres water must be increased, to ensure that the amount of fungicide applied per hectare equals that of a high-volume application.

b) Wine grapes

- Apply as indicated for table grapes. Spray intervals may be lengthened if spraying at increased rates, as set out in the table below:
- High volume applications:
 - Spray to the point of run-off and ensure even coverage with the product.

<i>Growth stage</i>	<i>Water volume in litres per hectare</i>
Shoots 2 to 5 cm long up to before blossom	350 to 500
Blossom to pea-size berries	500 to 1000
Pea-size berries up to harvest	1000 to 1500

- Low volume applications:
 - Calculate the dosage rate of **KRESO WDG** required per hectare according to the high-volume application.
 - The concentration for low volume applications must not exceed four times (4x) the recommended rates for the high-volume applications.
 - Apply the product in at least 250 litres water per hectare.
 - Ensure even coverage with the product.

Compatibility:

- **KRESO WDG** is compatible with **Villa Unizeb 800 WP**.

Mixing instructions:

- Half-fill the mixing tank with clean water.
- If another product is to be added to the mixing tank, premix the required amount of product with at least 10 litres of water, before adding to the mixing tank.
- Premix the required quantity of **KRESO WDG** in at least 10 litres of water in another container.
- Add the **KRESO WDG** mixture into the mixing tank and fill the mixing tank up to the required volume of water.
- 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 RATES

Crop / Disease	Dosage rate	Remarks
<u>Apples & Pears</u> Scab (<i>Venturia</i> spp.)	6.5 g / 100 ℓ water	<u>PREVENTATIVE:</u> Apply KRESO WDG as a high-volume spray, from the green tip stage until 75 % petal fall at 7 to 10-day intervals. Under high infection pressure and favourable conditions for disease development, apply using shorter intervals. Use longer intervals under conditions less favourable for disease development. Apply with 14-day intervals after 75 % petal fall. Do not apply later than the end of December. To prevent unwanted residues of KRESO WDG on fruit at harvest, spray products such as Villa Unizeb 800 WP and other registered products, after December.
	10 g / 100 ℓ water	<u>CURATIVE:</u> Apply KRESO WDG as a high-volume spray, after the onset of infection periods, in addition to a preventive programme with other registered fungicides. Apply within 2 days (max. 72 hours) after infection.
<u>Apples</u> Powdery mildew (<i>Podosphaera leucotricha</i>)	6.5 g / 100 ℓ water	<u>PREVENTATIVE:</u> Start spraying at the pink stage, with 7-to-14-day intervals. Recommendations for scab control above will also control powdery mildew.
<u>Citrus</u> (excluding Lemons) Black spot (<i>Guignardia citricarpa</i>)	200 g Villa Unizeb 800 WP / 100 ℓ water 20 g KRESO WDG PLUS 150 g Villa Unizeb 800 WP PLUS 0.5 ℓ light mineral oil / 100 ℓ water 200 g Villa Unizeb 800 WP / 100 ℓ water	At fruitset (100 % petal drop) apply one application of Villa Unizeb 800 WP , according to the label on this product. As a preventive treatment apply KRESO WDG 21 to 24 days after the first application of Villa Unizeb 800 WP . Apply as a medium- to full cover spray ensuring good coverage of all the fruit. Spray a second application of KRESO WDG 6 weeks after the first. Spray Villa Unizeb 800 WP six (6) weeks after the second KRESO WDG application. If an infection period occurs in February, repeat a Villa Unizeb 800 WP application 21 to 24 days later. Apply the Villa Unizeb 800 WP as a medium- or full cover spray.

Crop / Disease	Dosage rate	Remarks
Grapes Powdery mildew (<i>Oidium tuckeri</i>)		Start KRESO WDG application when shoots are 2.5 cm long. High volume application: Apply 350 to 1500 litres spray mixture per hectare depending on the leaf density. Low volume application: Apply at least 250 litres spray mixture per hectare and increase the concentration as indicated under “ DIRECTIONS FOR USE ”. Apply sulphur at least three times during the normal spray programme.
Table- & Wine grapes	10 to 15 g / 100 ℓ water (35 to 225 g / ha)	Repeat application at 10 to 14-day intervals. If conditions are highly favourable for disease development, or when applying at longer intervals, apply the higher rate.
Wine grapes	22.5 g / 100 ℓ water (79 to 337.5 g / ha)	Repeat this application at 18 to 21-day intervals.
Mangoes Powdery mildew (<i>Oidium mangiferae</i>)	20 g / 100 ℓ water	Start spraying at 20 to 50 % flowering and repeat applications at 14 to 21-day intervals up to 100 % petal fall. KRESO WDG , or any other group code 11 fungicide, should only be sprayed a maximum of 3 times per season. The final fungicide spray for the season should not be from group code 11 (refer “ General ” under “ DIRECTIONS FOR USE ”). Apply KRESO WDG as a full cover spray and direct the spray at the inflorescence.

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

- **VILLA UNIZEB 800 WP** (L 8056 / N-AR 1091) = **COZEB 800 WP** (L 7098) = **NEWZEB 800 WP** (L 8167).

VILLA UNIZEB 800 WP is a registered product of **VILLA CROP PROTECTION PTY (LTD)**.

COZEB 800 WP is a registered product of **UNIVERSAL CROP PROTECTION (PTY) LTD**.

NEWZEB 800 WP is a registered product of **CROPASURE (PTY) LTD**.