

BEFORE USING THIS PRODUCT READ THE LABEL CAREFULLY!

Fungicide



**KRESOXIM-METHYL 500 WDG**

Reg. No. L 8194 Act/Wet No. 36 of/van 1947

1:10/12/07-June2017

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

*'n Water disperseerbare korrel kontak en translaminêre swamdoder vir die beheer van sekere swamsiektes op gewasse soos gelys.*

**ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL**

kresoxim-methyl (strobilurine) **500 g/kg** kresoksiem-metiel (strobilurien)

FRAC FUNGICIDE GROUP CODE **11** FRAC SWAMDODER GROEPKODE

kg

**villa**

Registration holder / Registrasiehouer:  
Universal Crop Protection (Pty) Ltd.  
Co. Reg. No. / Mpy. Reg. Nr. 1983/008184/07  
PO Box / Posbus 801, Kempton Park, 1620  
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UN Number: 3077

Willow Set & Print 011 394-4486



CAUTION  
VERSIGTIG



GEBRUIKSAANWYSINGS INGESLUIT

VERWYS NA BESONDERHEDE  
GERUK OP HOUER/SAK

Date formulated:  
Formuleringsdatum:

DIRECTIONS FOR USE ENCLOSED  
REFER TO DETAILS PRINTED  
ON CONTAINER/BAG

Batch number:  
Lotnommer:

DIRECTIONS FOR USE ENCLOSED

**KRESOXIM-METHYL 500 WDG**

Reg. No. L 8194 Act/Wet No. 36 of/van 1947

FRAC FUNGICIDE GROUP CODE / FRAC SWAMDODER GROEPKODE: 11

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kresoxim-methyl (strobilurin) / kresoksiem-metiel (strobilurien)..... 500 g/kg

Registration holder / Registrasiehouer:

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

Co. Reg. No. 1983/008184/07 Mpy. Reg. Nr.

P.O. Box / Posbus 801, KEMPTON PARK, 1620, Tel. (011) 396 2233

**CAUTION / VERSIGTIG****WARNINGS****Withholding periods:**

<b>Allow the following number of days between last application and harvest of the following crops:</b>	
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 KRESOXIM-METHYL 500 WDG IN A SPRAY PROGRAMME.**

- Handle with care.
- A mild eye and skin irritant.
- Toxic to fish and aquatic organisms.
- 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.
- **KRESOXIM-METHYL 500 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**

- Avoid inhalation of dust and spray mist.
- Avoid prolonged contact of product with skin and contact with eyes.
- Wear rubber gloves, 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 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.

- Containers and packages must be completely emptied before being disposed of. Shake out thoroughly into the mixing tank.
- Destroy empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.

### **RESISTANCE WARNING**

**KRESOXIM-METHYL 500 WDG** is a group code 11 fungicide. Any fungus population may contain individuals naturally resistant to **KRESOXIM-METHYL 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 **KRESOXIM-METHYL 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 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.

### **PROPERTIES**

- **KRESOXIM-METHYL 500 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 KRESOXIM-METHYL 500 WDG be applied according to “Anti-Resistance Strategy guidelines” as indicated below:**

#### **General:**

- **KRESOXIM-METHYL 500 WDG** must be used in a preventive control spray programme.
- The number of applications of **KRESOXIM-METHYL 500 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).
- **KRESOXIM-METHYL 500 WDG** can be sprayed up to 72 hours after the onset of Scab infection on apples and pears.

#### **Apples and Pears:**

- **KRESOXIM-METHYL 500 WDG** applications must be started as early in the season as possible.
- **KRESOXIM-METHYL 500 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 3 applications of **KRESOXIM-METHYL 500 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):

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

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

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

- Low volume applications:  
Use the above formula and growth stage table to calculate the required amount of **KRESOXIM-METHYL 500 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)**

- **KRESOXIM-METHYL 500 WDG** must be sprayed with **NEWZEB 800 WP (L 7098)** 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.
- **Newzeb 800 WP**, at the registered rate, should be applied first at fruit set (100 % petal drop) in a spray programme, followed by two **KRESOXIM-METHYL 500 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, **KRESOXIM-METHYL 500 WDG** should be applied as a preventive treatment with limited curative abilities, to a maximum of 3 days after infection.
- Due to old neglected citrus and lemon trees being prone to fungicidal resistance, **KRESOXIM-METHYL 500 WDG** must not be applied to these trees.
- Refer to the labels of **Newzeb 800 WP** and the mineral oil used, for directions to their application.
- **KRESOXIM-METHYL 500 WDG** should be applied as a medium- to full cover spray.

#### **Grapes:**

- **KRESOXIM-METHYL 500 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 **KRESOXIM-METHYL 500 WDG** in a block of not more than 3 treatments with Group Code 11 products per season.
- Use products from other group codes to alternate the spray programme.

#### **a) Table grapes**

- Apply **KRESOXIM-METHYL 500 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.

<b>Growth stage</b>	<b>Water volume in litres per hectare</b>
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 **KRESOXIM-METHYL 500 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:

- **KRESOXIM-METHYL 500 WDG** is compatible with **Newzeb 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 **KRESOXIM-METHYL 500 WDG** in at least 10 litres of water in another container.
- Add the **KRESOXIM-METHYL 500 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

<i>Crop / Disease</i>	<i>Dosage rate</i>	<i>Remarks</i>
<b>Apples</b> Powdery mildew ( <i>Podosphaera leucotricha</i> )	6.5 g / 100 ℓ water	<b><u>PREVENTATIVE:</u></b> Start spraying at the pink stage, with 7 to 14-day intervals. Recommendations for Scab control above will also control Powdery mildew.
<b>Apples &amp; Pears</b> Scab ( <i>Venturia</i> spp.)	6.5 g / 100 ℓ water	<b><u>PREVENTATIVE:</u></b> Apply <b>KRESOXIM-METHYL 500 WDG</b> 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 <b>KRESOXIM-METHYL 500 WDG</b> on fruit at harvest, spray products such as <b>Newzeb 800 WP</b> and other registered products, after December.
	10 g / 100 ℓ water	<b><u>CURATIVE:</u></b> Apply <b>KRESOXIM-METHYL 500 WDG</b> 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.

<b>Crop / Disease</b>	<b>Dosage rate</b>	<b>Remarks</b>
<b>Mangoes</b> 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. <b>KRESOXIM-METHYL 500 WDG</b> , 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 “ <b>General</b> ” under “ <b>DIRECTIONS FOR USE</b> ”).  Apply <b>KRESOXIM-METHYL 500 WDG</b> as a full cover spray and direct the spray at the inflorescence.
<b>Citrus</b> (excluding Lemons) Black spot ( <i>Guignardia citricarpa</i> )	200 g <b>Newzeb 800 WP</b> / 100 ℓ water  20 g <b>KRESOXIM- METHYL 500 WDG PLUS</b> 150 g <b>Newzeb 800 WP PLUS</b> 0.5 light mineral oil / 100 ℓ water  200 g <b>Newzeb 800 WP</b> / 100 ℓ water	At fruitset (100 % petal drop) apply one application of <b>Newzeb 800 WP</b> , according to the label on this product.  As a preventive treatment apply <b>KRESOXIM-METHYL 500 WDG</b> 21 to 24 days after the first application of <b>Newzeb 800 WP</b> . Apply as a medium- to full cover spray ensuring good coverage of all the fruit. Spray a second application of <b>KRESOXIM-METHYL 500 WDG</b> 6 weeks after the first.  Spray <b>Newzeb 800 WP</b> 6 weeks after the second <b>KRESOXIM-METHYL 500 WDG</b> application. If an infection period occurs in February repeat a <b>Newzeb 800 WP</b> application 21 to 24 days later. Apply the <b>Newzeb 800 WP</b> as a medium- or full cover spray.
<b>Grapes</b> Powdery mildew ( <i>Oidium tuckeri</i> )		Start <b>KRESOXIM-METHYL 500 WDG</b> application when shoots are 2.5 cm long.  <b>High volume application:</b> Apply 350 to 1500 litres spray mixture per hectare depending on the leaf density. <b>Low volume application:</b> Apply at least 250 litres spray mixture per hectare and increase the concentration as indicated under “ <b>DIRECTIONS FOR USE</b> ”.  Apply <b>sulphur</b> 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, when applying at or 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.

**NEWZEB 800 WP** is a registered product of / is 'n geregistreerde produk van  
**UNIVERSAL CROP PROTECTION PTY (LTD).**