

Zoxium[®] 240SC

Reg. No. L7908 Act No. 36 of 1947

GROUP

22

FUNGICIDE

A surface penetrating, non-systemic suspension concentrate fungicide for the control of downy mildew on table- and wine grapes as well as late blight on potatoes and tomatoes.

'n Oppervlak-penetrerende, nie-sistemiese konsentraat suspensie swamdoder vir die beheer van donsige skimmel in tafel- en wyndruiwe sowel as laatroes op aartappels en tamaties.

Active ingredient / Aktiewe bestanddeel:

Zoxamide (Benzamide) / Soksamied (Bensamied) ... 240 g/ℓ



Registered by / Geregistreer deur:

KLUB M5 (Pty.) Ltd.

Reg. No. 2006/023059/07

84 Swart Street | Eldoraigne X3 | Centurion

+27 12 653 1782

Griffon Poison Information Centre: +27 82 446 8946

BATCH NO.:

LOT NR.:

DATE OF MANUFACTURE:

VERVAARDIGINGSDATUM:

EXPIRY DATE:

VERVALDATUM:

UN NO.:

VN NR.: 3082

Content
Inhoud



IMPORTANT / BELANGRIK:
Read label before use /
Lees etiket voor gebruik



CAUTION
VERSIGTIG



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Co. Reg. No.: 2006/023059/07

P O Box 7402, Centurion, 0046

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WARNINGS:

- **Withholding period:** Allow the following minimum number of days between last application and harvest:

Table Grapes: 28 days

Wine Grapes: 28 days

Potatoes: 14 days

Tomatoes: 3 days

NOTE: The above withholding periods and maximum residue limits are based on good agricultural practices. Local requirements for residue limits may differ from those of other countries to which treated products may be exported. Consult the Distributor for additional information.

- Handle with care.
- Inhalation of concentrate can cause irritation of nose, throat, and lungs.
- Mild skin and moderate eye irritant with corneal injury.
- May cause sensitisation of the skin.
- Harmful if swallowed.
- Toxic to fish and other aquatic organisms.
- Store under lock and key in a cool, dry place with good ventilation, away from food, feeds, seed, and fertilizers.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- Keep container tightly closed
- Keep out of reach of children, uninformed persons, and animals.

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 fungus to 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 the 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:

- Do not inhale spray mist and prevent eye and skin contact.
- Wear suitable protective clothing during spraying and rubber gloves and face shield when preparing the spray mixture.
- Do not re-use protective clothing before it has been washed.
- In case of direct contact with skin, wash with soap and water.
- In case of direct contact with eyes, rinse eyes thoroughly with clean water for several minutes. If effects occur consult a physician, preferably an ophthalmologist.
- Do not eat, drink, or smoke while preparing or applying the spray mix or before washing face, hands, and exposed skin.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams, and areas not under treatment.
- Clean applicator after use and dispose of wash water where it will not contaminate 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).
- 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, feedstuffs, drinking water and eating utensils.

USE RESTRICTIONS:

- Do not use **ZOXIUM 240 SC** without the addition of **PHOSGUARD 400 SL** or **DITHANE M-45 800 WP**. **ZOXIUM 240 SC** will not give the required efficacy if used on its own.
- Do not apply **ZOXIUM 240 SC + PHOSGUARD 400 SL** or **DITHANE M-45 800 WP** in more than 4 consecutive applications in grapes.
- The addition of a surfactant during and after blossom on table grapes should be avoided.

RESISTANCE WARNING:

For resistance management purposes **ZOXIUM 240 SC** is classified as a Group Code 22 fungicide. Any fungus population may contain individuals naturally resistant **ZOXIUM 240 SC** and other Group Code 22 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly.

ZOXIUM 240 SC or any other Group 22 fungicide may not control these resistant fungi. 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 fungus control programmes.

For specific information on resistance management, contact KlubM5 (Pty) Ltd.

To delay build-up of possible resistant strains, **ZOXIUM 240 SC + PHOSGUARD 400 SL** or **DITHANE M-45 800 WP** should be alternated with fungicides from non-related chemical groups.

DIRECTIONS FOR USE: Use only as indicated.

General:

- **ZOXIUM 240 SC** is a residual protective fungicide with low systemicity and minimal corrective action on established infections.
- After application of **ZOXIUM 240 SC**, the active ingredient, Zoxamide, penetrates and incorporates into the cuticular plant tissue making it exceptionally resistant to wash-off by rain or irrigation.
- Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program in combination with either **PHOSGUARD 400 SL** or **DITHANE M-45 800 WP**.

Compatibility:

- The compatibility of **ZOXIUM 240 SC + PHOSGUARD 400 SL** or

DITHANE M-45 800 WP with pesticides commonly used on grapes, potatoes and tomatoes is unknown.

- A physical compatibility test should be conducted if **ZOXIUM 240 SC** is mixed with other pesticides.
- If in doubt, consult supplier.

Application intervals:

ZOXIUM 240 SC + PHOSGUARD 400 SL does not have a curative action against infections and as such should be applied only in preventative programs with 10 – 14 day intervals

Spray water:

The compatibility of **ZOXIUM 240 SC + PHOSGUARD 400 SL** or **DITHANE M-45 800 WP** with pesticides commonly used on grapes, potatoes and tomatoes is unknown.

Surfactants:

- The addition of an agricultural surfactant will improve fungicide performance by providing a more uniform spray deposit, increasing foliar redistribution, and improving fungicide retention during periods of wet weather.
- However, the addition of a surfactant during and after blossom on table grapes should be avoided.

Mixing instructions:

- Premix required quantity of **ZOXIUM 240 SC** with at least 10 ℓ of water.
- Half fill spray tank with water and add the premix while running agitator.
- Add **PHOSGUARD 400 SL** or premixed **DITHANE M-45 800 WP** as well as adjuvant or other product while agitating.
- Fill tank to required level.
- Maintain agitation during mixing, filling, transportation, and application.
- Do not allow mixture to stand in tank for an extended period, e.g. overnight.

Directions for application:

CROP	PEST	DOSAGE /100 ℓ water or as indicated	REMARKS
POTATOES	Late blight (<i>Phytophthora infestans</i>)	692 mℓ + 3 ℓ PHOSGUARD 400 SL OR 2 kg DITHANE M-45 800 WP in 500 – 1,200 ℓ water/ha	<p>Ground application only. Apply in a preventative program starting 5 weeks after emergence of crop or earlier should conditions favour the development of the disease. Apply at 10 – 14 day intervals and under high disease pressure or during periods of rapid growth shorten spray intervals to 5 – 7 days.</p> <p>Ensure thorough coverage. Increase spray mixture volume as plants size and density increases.</p> <p>Do not apply ZOXIUM 240 SC in more than 4 consecutive applications or in total more than 6 applications to one crop rotation. See RESISTANCE MANAGEMENT.</p> <p>Note: Do not exceed recommended dosage rate when ZOXIUM 240 SC is applied in a tank mixture with PHOSGUARD 400 SL as suppression of plant growth may occur under certain growth conditions.</p> <p>Do not use ZOXIUM 240 SC without the addition of PHOSGUARD 400 SL or DITHANE M-45 800 WP. ZOXIUM 240 SC will not give the required efficacy if used on its own.</p>
TABLE & WINE GRAPES	Downy mildew (<i>Plasmopara viticola</i>)	80 mℓ + 300 mℓ PHOSGUARD 400 SL	<p>Use only in a preventative spray program. Apply as a high volume application ensuring good coverage. Apply 750 – 1,200 ℓ/ha spray mix depending on the growth stage of the crop. Commence first application at 10 cm shoot length or within 10 – 14 days after last application of a fungicide program of non-related chemical groups. Repeat applications every 10 – 14 days.</p> <p>Do not apply ZOXIUM 240 SC in more than 4 consecutive applications or in total more than 6 applications to one block of grapes. See RESISTANCE</p>

CROP	PEST	DOSAGE /100 ℓ water or as indicated	REMARKS
			<p>MANAGEMENT.</p> <p>Do not use ZOXIUM 240 SC without the addition of PHOSGUARD 400 SL. ZOXIUM 240 SC will not give the required efficacy if used on its own.</p>
TOMATOES	Late blight (<i>Phytophthora infestans</i>)	692 mℓ + 3 ℓ PHOSGUARD 400 SL OR 1,7 kg DITHANE M-45 800 WP in 500 – 3,000 ℓ water/ha	<p>Ground application only. Apply in a preventative programme starting shortly after transplanting of seedlings. Apply at 10 – 14 day intervals and under high disease pressure or during periods of rapid growth shorten spray intervals to 5 – 7 days.</p> <p>Ensure thorough coverage. Increase spray mixture volume as plants size and density increases.</p> <p>Resistance management: Do not apply ZOXIUM 240 SC in more than 3 consecutive applications or in total more than 3 applications to one crop rotation. See RESISTANCE MANAGEMENT.</p> <p>Note: Do not exceed recommended dosage rate when ZOXIUM 240 SC is applied in a tank mixture with PHOSGUARD 400 SL as suppression of plant growth may occur under certain growth conditions.</p> <p>Do not use ZOXIUM 240 SC without the addition of PHOSGUARD 400 SL or DITHANE M-45 800 WP. ZOXIUM 240 SC will not give the required efficacy if used on its own.</p>

Use the following guidelines for suggested application volumes for table & wine grapes:

Growth stage	High volume application for grapes in ℓ/ha	
	Table Grapes	Wine Grapes
Shoot length 2,5– 25 cm	500 – 750	250 – 500
25 cm shoot length – just before flowering	750 – 1,000	500 – 750
Flowering – pea berry stage	1,000 – 1,200	750 – 1,000
Pea berry stage – harvest	-	1,000 – 1,200

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Phosguard 400 SL (Reg. No. L6477 Act No. 36 of 1947 registered by Nulandis™) CAUTION, Phosphorous acid equivalent 400g/ℓ, Potassium phosphite 560g/ℓ | Nulandis™ (A division of AECI Limited) | Co. Reg. No. 1924/002590/06 | P. O. Box 14418, Witfield, 1467 | Tel. +27 11 823 8000

Dithane M-45 800 WP (Reg. No. L2914 Act No. 36 of 1947 registered by Dow Agrosiences Southern Africa (Pty) Ltd) CAUTION, Mancozeb 800 g/kg | DOW Agrosiences Southern Africa (Pty) Ltd | Co. Reg. No. 1967/007147/07 | Private Bag X160, Bryanston, 2021 | Tel. +27 12 361 8112

