



# Zoxium<sup>®</sup> 240SC

Reg. No. / Nr. L7908 Act No. / Wet Nr. 36 of / van 1947

**READ THE LABEL BEFORE USE**  
**KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

**GROUP**

**22**

**FUNGICIDE**

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

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.



**WARNING**

**Hazard Statements:**

Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

Avoid release to the environment.  
Collect spillage.  
Dispose of contents/container to hazardous waste collection authorized in accordance with local/regional/national/international regulations.

**Active Ingredient / Aktiewe Bestanddeel**  
**Zoxamide (Benzamide) ... 240 g/ℓ ... Soksamied (Bensamied)**



**GCP**  
SOUTH AFRICA

Distributed by / Versprei deur:

**AVIMA (Pty.) Ltd.**  
Reg. No. 1961/001744/07  
18 Aschenberg Street | Chamdor | Krugersdorp  
+27 11 769 1300

Registration Holder / Geregistreer Deur:  
**GCP South Africa**  
Reg. No. 2019/456576/07  
Summit Place Office Park Building 4 | 221 Garsfontein Road | Menlyn | Gauteng | 0081

Griffon Poison Information Centre: +27 82 446 8946

Batch No. / Lot Nr and Date of Manufacture /  
Datum van Vervaardiging:  
See printed information on container.

UN No. / VN Nr. 3082

**Content  
Inhoud**



## **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 above 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. Store in a cool, dry and well ventilated place away from food and feedstuff.**

## **Hazard Statements:**

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

## **Precautionary Statements:**

P102 Keep out of reach of children.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/container to hazardous waste collection authorized in accordance with the local/regional/national/international regulations.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

## **Supplementary Prescriptions:**

Do not contaminate water with the product or its container.

Do not clean application equipment near surface water / avoid contamination by drains from farmyards and roads.

To protect aquatic organisms respect an untreated buffer zone of 5 m for potato and 20 m for tomato and vine.

During product applications in greenhouse wear suitable gloves and overall work suit.

**Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

Keep container tightly closed.

Keep away from children, uninformed persons and animals.

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.

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 LACK OF PERFORMANCE OF THE REMEDY CONCERNED DUE TO FAILURE BY 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.

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 containers in the following manner:** Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.

Do not use empty container for any other purpose but destroy it by perforation and flattening. Dispose of in a responsible manner.

Prevent contamination of food, feedstuffs, drinking water and eating utensils.

**DIRECTIONS FOR USE: Use only as directed.**

## **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.

## **RESISTANCE MANAGEMENT:**

**ZOXIUM 240 SC** contains zoxamide from the chemical group benzamides.

Although the development of pathogen resistance is considered to be low, the possibility of development and build-up of resistant strains of fungi, and consequently loss of control, can not be discounted.

To delay build-up of possible resistant strains, **ZOXIUM 240 SC** + Phosguard 400 SL or Dithan M-45 800 WP should be applied in resistance management programmes in which the combination should be alternated with fungicides from non-related chemical groups. Do not apply **ZOXIUM 240 SC** + Phosguard 400 SL or Dithane M-45 800 WP in more than 4 consecutive applications in grapes.

## **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 any 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:

Do not apply **ZOXIUM 240 SC** in muddy water. Use only spray water with pH values of 4,5 - 7,0. Water with pH values outside the prescribed range, should be treated with a buffer product to bring the spray mixture to the recommended range of pH 4,5 - 7,0.

#### 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:

Pre-mix required quantity of **ZOXIUM 240 SC** with at least 10 litres of water. Half fill spray tank with water. Add pre-mix while running agitator. Add Phosguard 400 SL or pre-mixed 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.

#### APPLICATION TABLE:

CROP	DISEASE	DOSAGE 100 ℓ water or as indicated	REMARKS
POTATOES	Late Blight <i>Phytophthora infestans</i>	692 ml/ha + 3 ℓ Phosguard 400 SL  OR  2 kg Dithane M-45 800 WP in 500 - 1200 ℓ water per hectare	Ground application <b>only</b> . 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 to 14 day intervals and under high disease pressure or during periods of rapid growth shorten spray intervals to 5 to 7 days. Ensure thorough coverage. Increase spray mixture volume as plants size and density increases. <b>Resistance management:</b> Do not apply <b>ZOXIUM 240 SC</b> in more than 4 consecutive applications or in total more than 6 applications to one crop rotation. Alternate fungicides with different chemical class (mode of action). <b>NB:</b> Do not exceed recommended dosage rate when <b>ZOXIUM 240 SC</b> is applied in a tank mixture with Phosguard 400 SL as suppression of plant growth may occur under certain growth conditions. Do not use <b>ZOXIUM 240 SC</b> without the addition of Phosguard 400 SL or Dithane M-45 800 WP. <b>ZOXIUM 240 SC</b> will not give the required efficacy if used on its own.

CROP	DISEASE	DOSAGE 100 ℓ water or as indicated	REMARKS
<b>TABLE AND WINE GRAPES</b>	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 to 1200 ℓ/ha spray mix depending on the growth stage of the crop. Commence first application at 10 cm shoot length or within 10 to 14 days after last application of a fungicide program of non-related chemical groups. Repeat applications every 10 to 14 days.</p> <p><b>Resistance management:</b> Do not apply <b>ZOXIUM 240 SC</b> in more than 4 consecutive applications or in total more than 6 applications to one block of grapes. Alternate fungicides with different chemical class (mode of action).</p> <p><b>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.</b></p>
<b>TOMATOES</b>	Late Blight <i>Phytophthora infestans</i>	692 mℓ/ha + 3 ℓ Phosguard 400 SL  OR  1,7 kg Dithane M-45 800 WP in 500 - 3000 ℓ water per hectare	<p>Ground application <b>only</b>. Apply in a preventive 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. Ensure thorough coverage. Increase spray mixture volume as plants size and density increases.</p> <p><b>Resistance management:</b> Do not apply <b>ZOXIUM 240 SC</b> in more than 3 consecutive applications or in total more than 3 applications to one crop rotation. Alternate fungicides with different chemical class (mode of action).</p> <p><b>NB:</b> Do not exceed recommended dosage rate when <b>ZOXIUM 240 SC</b> is applied in a tank mixture with Phosguard 400 SL as suppression of plant growth may occur under certain growth conditions.</p> <p><b>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.</b></p>

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

Growth Stage	High volume application for grapes in litre per ha	
	Wine Grapes	Table Grapes
Shoot length 2,5 to 25 cm	250 – 500	500 – 750
25 cm shoot length till just prior to flowering	500 – 750	750 – 1000
Flowering to pea berry stage	750 – 1000	1000 – 1200
Pea berry stage to harvest	1000 – 1200	-

Dithane M-45 800 WP  
Phosguard 400 SL

Reg. No. L2914  
Reg. No. L6477