

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



Fungicide

SCOPE 250 EC

Reg. No. L 7942 Act No. 36 of 1947
N-AR 1098 / W1301370

6: 30/07/2024 – Aug2024

An emulsifiable concentrate fungicide with systemic action for the control of diseases on crops as listed.

ACTIVE INGREDIENT

difenoconazole (triazole)

250 g/l

GROUP

3

FUNGICIDE



DANGER

Hazard Statements:

May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye damage.
Harmful if inhaled.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Avoid breathing dust, fume, gas, mists, vapours, or spray.
Wash hands and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.



villa

UN Number: 3082

Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1983/008184/07
65 Botes Road, Glen Marais, Kempton Park, 1619
Tel. (011) 396 2233
Website: www.villacrop.co.za

IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:
Griffon Poison Information Centre (National): +27 82 446 8946
Poison Information Helpline (National): +27 861 555 777
24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411
(Client: Villa Crop Protection)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:
Date of Manufacture:

SCOPE 250 EC

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N-AR 1098 / W 1301370

FRAC FUNGICIDE GROUP CODE: 3

ACTIVE INGREDIENT:

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WARNINGS**Withholding periods:**

Minimum time between last application and harvest or feeding:	
Apples and Pears	14 days
Citrus	90 days
Beans	14 days
Dry beans (when tank mixed with Mycoblock 250 SC)	45 days
Grain sorghum (when tank mixed with Mycoblock 250 SC)	14 days
Grapes	28 days
Groundnuts (fodder)	21 days
Maize (do not graze or use treated maize as fodder)	14 days
Soybeans	18 days
Potatoes	14 days
Tomatoes	7 days
Tree nuts (Almonds)	28 Days
Tree nuts (Pistachios)	14 Days
Tree nuts (including Cashews, Chestnuts, Hazelnuts, Macadamias, Pecans, Walnuts)	45 Days

NOTE

ABOVE-MENTIONED WITHHOLDING PERIODS REFER TO COMPLIANCE WITH LOCAL MAXIMUM RESIDUE LIMITS (MRL'S). HOWEVER, IT IS IMPORTANT TO NOTE THAT IMPORT TOLERANCES OF OTHER COUNTRIES MIGHT POSSIBLY BE EXCEEDED. IF THE TREATED CROP WILL BE EXPORTED, FIRST CONSULT THE RELEVANT IMPORTER OR EXPORTING BODY REGARDING THE USE OF THIS PRODUCT, MRL'S AND RECOMMENDED WITHHOLDING PERIODS.

Hazard statements:

May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye damage.
Harmful if inhaled.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

- Handle with care.
- Avoid storage temperatures below 10 °C and above 35 °C.
- Store in the original container in a cool, dry, well-ventilated place away from food, seed and feedstuffs, fertilizers and other agricultural remedies.
- 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.

Aerial application:

Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or water sources.

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 to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further 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 event of any uncertainty.

PRECAUTIONS

Precautionary statements:

Avoid breathing dust, fume, gas, mists, vapours, or spray.
Wash hands and face thoroughly after handling.
Wash hands thoroughly after handling. Do not touch eyes.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED: Get emergency medical help immediately.
IF ON SKIN: Wash with plenty of water and non-abrasive soap.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical help.
Do NOT induce vomiting.
If skin irritation occurs: get medical help.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store locked up.
Dispose of contents/container in accordance with local regulations.

- Wash with soap and water immediately after use and accidental skin contact.
- In case of eye contamination, rinse the eyes thoroughly with plenty of clean, water for at least 20 minutes, holding the eyelid(s) open. If irritation persists obtain medical assistance immediately.
- Do not eat, drink or smoke whilst mixing and applying the product or before washing hands and face and change of clothing.
- Prevent drift onto other crops, grazing, rivers, dams, boreholes and areas not under treatment or to nearby water sources. Use of a spray drift retardant such as **Interlock**[®] (field crops) or **Masterlock**[®] (permanent crops) is recommended.
- Thoroughly clean spraying equipment directly after use and dispose of wash water where it will not contaminate food, grazing, boreholes, 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, feeds, drinking water and eating utensils.

First Aid Measures:

- Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor if you feel unwell.
- Inhalation: Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention.
- 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 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention immediately.**

- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. **Do not induce vomiting.** Do not give anything by mouth. If the person is alert, rinse mouth thoroughly with water.

Relevant hazardous components	
Difenoconazole	250 g/l
Shellsol – Trisol 150 AB	< 70 %
Emulson TS 200 (CY8)	<5%
Emulson AG/CAL/70	<5%
Emulson AG/ISD	<5%

NOTE: The ingredients listed above contribute to the overall GHS classification, the remaining ingredients do not have to be listed according to the South African Regulations for Hazardous Chemical Agents 2021, Regulation 14(b).

In case of poisoning, call the following number: +27 82 446 8946 (Griffon Poison Information Centre) or +27 861 555 777 (Poison Information Helpline).

In case of a chemical spill call the following 24 Hr Transport / Spill emergency number: +27 86 044 4411 (Hazcall24 / Client: Villa Crop Protection).

RESISTANCE WARNING

SCOPE 250 EC is a group code 3 fungicide. Any fungus population may contain individuals naturally resistant to **SCOPE 250 EC** and any other group code 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **SCOPE 250 EC** or any other group code 3 fungicide.

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 code 3, 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:

SCOPE 250 EC is a locally systemic fungicide with translaminar movement and limited acropetal movement. It contains the active ingredient, **difenoconazole**, which is a sterol biosynthesis inhibitor. This thereby functions to inhibit cell membrane ergosterol biosynthesis which impacts fungal development. **SCOPE 250 EC** is absorbed by leaves and provides preventative and curative action.

USE RESTRICTIONS

- The uptake and activity of systemic compounds may be adversely affected when crops experience water related stress and/or fertility stress conditions. It is therefore not advised to apply **SCOPE 250 EC** during periods of stress. In doubt, consult Universal Crop Protection (Pty) Ltd. or a distributor.
- Spray programmes with **SCOPE 250 EC** should be **preventative** unless mentioned otherwise.
- **As an anti-resistance strategy, it is not recommended to apply SCOPE 250 EC (or related fungicides) exclusively for prolonged periods during the season.**

DIRECTIONS FOR USE: (Only use as indicated)

NOTICE TO USER:

Read the entire label before application. This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under the Act to use this agricultural remedy for any purpose in a manner contrary with the directions on the label.

Compatibility:

- **SCOPE 250 EC** is compatible with the following fungicides, **Mycoblock 250 SC, Inspect 400 SC, Villa Unizeb 800 WP** (L 8056 / N-AR 1091), **Captan 500 SC** (L10979), **Chico 250 EC, Serenata 300 SC, Masterlock®**, **Link** and **Direct** as indicated in the label recommendations. The compatibility of **SCOPE 250 EC** in tank mixtures with other products has not been confirmed and can be influenced by the formulations involved, as well as the water quality.

- The compatibility of **SCOPE 250 EC** with other products may vary. A physical compatibility test must always be performed before such tank mixture is sprayed.
- If the products are physically compatible, this does **NOT** imply that they will be biologically compatible (effective against the target pathogen), thus the registration holder will not take responsibility for ineffective control in these scenarios.
- When **SCOPE 250 EC** is used in conjunction with any other agricultural remedy, all **WARNINGS, PRECAUTIONS** and **DIRECTIONS FOR USE** mentioned on that label, must be adhered to.

Mixing instructions:

- Half fill the spray tank with clean water.
- Shake the **SCOPE 250 EC** container well before use.
- Add the required quantity of **SCOPE 250 EC** to the water in the spray tank.
- Agitate well to obtain a homogeneous emulsion.
- Fill the spray tank with water to the required level while maintaining agitation, to ensure thorough mixing.
- Maintain agitation while spraying.
- If other products will be used in a tank mixture with **SCOPE 250 EC**, the following mixing sequence, as applicable, must be used: buffer/acidifier; wettable powder or granules (**WP** or **WDG**); suspension concentrate (**SC**); emulsifiable concentrate (**EC**); wetter. Pre-mix each product separately with a small volume of water before adding it to the spray tank. Thereafter, fill the tank to the required volume with clean water while maintaining agitation, to ensure thorough mixing of the spray mixture, before application commences.
- If a wettable powder is to be sprayed in a mixture with the **SCOPE 250 EC**:
 - a) pre-cream the wettable powder with clean water,
 - b) add the pre-creamed wettable powder into the spray tank, while ensuring agitation,
 - c) then add the **SCOPE 250 EC** and
 - d) fill the spray tank with water to the required level.
- Prepared spray mixture must be sprayed immediately after mixing and not be left in the spray tank for any length of time, e.g., overnight.

APPLICATION

Ground application:

- **SCOPE 250 EC** can be applied with conventional high-volume spray equipment.
- It is important that the sprayer be calibrated prior to application to ensure that the correct delivery rate and even distribution of the spray mixture is obtained.
- Apply in 300 to 500 litres water per hectare.
- It is recommended that the nozzles should be fitted with hollow cone tips giving medium to fine droplets.

Aerial application:

Aerial application of **SCOPE 250 EC** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30 litres per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 25 to 35 droplets per cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 280 to 300 micron is recommended. Limit the production of fine droplets, less than 150 micron (high drift and evaporation potential), to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 meters above the target. Do not spray when aircraft is diving, climbing or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km per hour.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.

- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage),
 - b) damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the aerial spray operator knows exactly which fields to spray.

Obtain an assurance from the aerial spray operator that the above requirements will be met, and that relevant data will be compiled in a logbook and kept for future reference.

Post Spray Equipment Cleaning

- It is essential to rinse the spray tank and all hoses with a 0.1 % solution of either calcium chloride or ammonium hydroxide or the recommended rate of **Protank® liquid cleaner** according to the product label.
- Allow this solution to stand in the spray equipment for 15 minutes; empty the spray equipment; repeat the rinsing with a 0.1 % solution of calcium chloride or ammonium hydroxide for 15 minutes; rinse all equipment with water.
- Nozzles and fitters must be cleaned individually.
- Rinse water and solution should be drained in a cesspool or drain where it will not contaminate any water source.

APPLICATION RATES

Crop & Disease	Dosage rate	Remarks
Beans (including Dry beans, Green beans, Green peas, Chickpeas & Lentils)	Add a Villa approved oil adjuvant to SCOPE 250 EC . Apply in a protective spray programme, commencing at the start of flowering or sooner on highly susceptible cultivars, or at the first signs of disease. Treatments should be applied during periods of active plant growth and the programme should continue until plants start to senescence.	
Brown rust (<i>Uromyces appendiculatus</i>)	250 ml / ha (10 ml / 10 l water) OR 325 ml / ha (13 ml / 10 l water)	<u>Ground application:</u> Apply the lower dosage every 10 to 14 days or the higher dosage every 18 to 21 days in the case of dry beans.
	250 ml / ha (10 ml / 10 l water) PLUS 400 ml / ha (16 ml / 10 l water) Mycoblock 250 SC	<u>Ground application:</u> Apply a maximum of two (2) applications at a 14-day interval from flower initiation. Apply in 250 to 500 litres water per hectare.
	300 ml / ha	<u>Aerial application:</u> Apply every 10 to 14 days (dry beans).
(Dry beans only) Anthracnose (<i>Colletotrichum lindermuthianum</i>)	250 ml / ha (10 ml / 10 l water) PLUS 400 ml / ha (16 ml / 10 l water) Mycoblock 250 SC	<u>Ground application:</u> Apply a maximum of two (2) applications at a 14-day interval from flower initiation. Apply in 250 to 500 litres water per hectare.

Crop & Disease	Dosage rate	Remarks
Citrus (Navels, Clementines and Mandarins) Navel-end-rot / Black core rot <i>(Alternaria citri)</i>	40 to 60 ml / 100 ℓ water (4 to 6 ml / 10 ℓ water)	Apply twice. The first application at 50 % petal drop and the second at 100 % petal drop (when all the petals on the trees in the orchard have dropped). Apply as a medium cover spray (± 20 litres spray volume per tree, depending on tree size).
Mandarins Brown Spot <i>(Alternaria alternata)</i>	40 to 60 ml / 100 ℓ water (4 to 6 ml / 10 ℓ water) PLUS 200 g / 100 ℓ water (20 g / 10 ℓ water) Villa Unizeb 800 WP	Use the higher rate on orchards having a history of <i>Alternaria</i> diseases.
NOTE <ul style="list-style-type: none"> Do not apply after 100 % petal fall. Do not apply more than 3.0 litres per hectare SCOPE 250 EC per season. The two (2) SCOPE 250 EC applications are part of a season-long control strategy for <i>Alternaria alternata</i> (Brown spot) control. 		
Forestry (including Wattle - <i>Acacia</i> spp.) Rust <i>(Uromyocladium</i> spp.)	250 to 500 ml/ha PLUS 400 to 800 ml/ha Mycoblock 250 SC	Apply as a full cover spray when conditions are favourable for disease development (e.g., humid conditions which are typically experienced in spring). Apply two (2) applications at 28-day intervals before alternating with other registered fungicides. Apply a maximum of four (4) applications of the tank mix per season. Spray volumes: <u>Ground application:</u> 250 to 1000 litres water per hectare. <u>Aerial application:</u> 30 to 40 litres water per hectare.
Grain Sorghum Sorghum leaf spot <i>(Cercospora sorghi)</i> Northern corn leaf blight <i>(Exserohilum turcicum)</i> Rust (<i>Puccinia sorghi</i>)	250 to 500 ml/ha (70 ml / 10 ℓ water) PLUS 400 to 800 ml/ha (115 ml / 10 ℓ water) Mycoblock 250 SC	Applications should be made preventatively before symptoms of any disease are noticed. Apply two (2) applications at 21 to 28-day intervals. Under high disease pressure or conditions favouring disease development, use the shorter interval and the higher rate. Apply a maximum of three (3) strobilurin-containing tank mix applications per season. If extended control is required, follow up applications should be made with approved fungicides with a different mode of action. A follow-up spray might not be required in the case of <u>short season hybrids</u> , when the first spray was applied after pollination, as it may be sufficient to control the disease. Spray volumes: <u>Knapsack sprayer applications:</u> 60 to 70 litres water per hectare. <u>Tractor applications:</u> 250 to 400 litres water per hectare. or 2 to 4 litres water per 100 m row <u>High clearance tractor applications:</u> 150 to 300 litres water per hectare. <u>Aerial application:</u> 30 to 40 litres water per hectare.

Crop & Disease	Dosage rate	Remarks
Groundnuts Early leafspot; <i>(Cercospora arachidicola)</i> Late leafspot; <i>(Cercospora personatum)</i> Web blotch & <i>(Phoma arachidicola)</i> Rust <i>(Puccinia arachidis)</i>	200 ml and 300ml / ha (10 and 15 ml / 10 l water) OR 325 ml / ha (16 ml / 10 l water)	<u>Ground application: - Dry land.</u> Add a Villa approved oil adjuvant to SCOPE 250 EC . Commence application at the first signs of disease. Use 300 ml per hectare for the first application and repeat every 10 to 14 days using 200 ml per hectare. Alternatively, apply the 325 ml per hectare dosage rate every 18 to 21 days.
	300 ml / ha (15 ml / 10 l water) OR 400 ml / ha (20 ml / 10 l water)	<u>Ground application: – Irrigation.</u> Apply in a protective spray programme, commencing at the start of flowering (10 to 12 weeks after planting) or earlier, when the disease(s) starts to develop. Apply the lower dosage every 10 to 14 days or the higher dosage every 18 to 21 days.
	350 ml / ha	<u>Aerial application:</u> Aerial application is an emergency measure when conditions are not favourable for ground application. Apply every 2 to 3 weeks on dryland crops and every 10 to 14 days on irrigated crops. All spray programmes should continue until the plants start to senescence naturally.

Crop & Disease	Dosage rate	Remarks
Apples and Pears Scab (<i>Venturia</i> spp)	Apply SCOPE 250 EC in a programmed spray schedule as a full cover spray to point of run-off or in a concentrated form (4x).	
Development stage	High volume dosage rate / 100 ℓ water	Spray interval
From green tip and throughout the pre-blossom period	6 ml SCOPE 250 EC PLUS 100 ml Captan 500 SC OR Villa Unizeb 800 WP at a rate of 80 g / 100 ℓ water	7 days
During post-blossom period	6 ml SCOPE 250 EC PLUS 100 ml Captan 500 SC OR Villa Unizeb 800 WP at a rate of 80 g / 100 ℓ water	10 to 14 days
GENERAL REMARKS		
<ul style="list-style-type: none"> Consult the Inspect 400 SC, Captan 500 SC and Villa Unizeb 800 WP labels for USE RESTRICTIONS, WARNINGS (including RESISTANCE WARNINGS and WITHHOLDING PERIODS), PRECAUTIONS and DIRECTIONS FOR USE. SCOPE 250 EC is recommended in a protective spray programme in areas where and during periods when conditions are favorable for the development of Scab. During December it is recommended to change to a protective contact fungicide spray programme. When a protective contact fungicide spray programme is followed, SCOPE 250 EC should be applied as a curative treatment within two (2) days of the start of an infection period. In such situations use 10 ml SCOPE 250 EC PLUS Captan 500 SC OR Villa Unizeb 800 WP at the above indicated rates per 100 litres water OR with 56 ml Inspect 400 SC per 100 litres water. Curative applications are only recommended when adequate and reliable disease prediction systems are followed. 		
NOTES REGARDING APPLICATION ON APPLES AND PEARS		
High volume application (HV):		
<ul style="list-style-type: none"> The water volume to be applied per hectare must be calculated according to the Tree Row Volume (TRV) formula: 		
$\text{HV } \ell/\text{ha} = \frac{\text{Tree height} \times \text{Tree diameter} \times 937}{\text{Row width}}$		
<ol style="list-style-type: none"> This is the water volume required when the trees are in full leaf. Use the water volume required per hectare to calculate the amount of SCOPE 250 EC required per hectare. The following water requirements per hectare are recommended according to the different growth stages of the tree: 		
Growth stage	% Water volume per hectare with regard to high volume (HV calculated above)	
From green tip to ± 30 % blossom	60 %	
From ± full blossom to ± mid-November	80 %	
From ± beginning December	100 %	
<ul style="list-style-type: none"> Low Volume (4x): When SCOPE 250 EC is applied as a low volume spray, ensure that the correct amount of product is applied per hectare. 		

Crop & Disease	Dosage rate	Remarks
<p>Maize and Sweetcorn</p> <p>Grey leaf spot (<i>Cercospora zeae-maydis</i>)</p> <p>Northern leaf blight (<i>Exserohilum turcicum</i> = <i>Helminthosporium turcicum</i>)</p> <p>Rust (<i>Puccinia sorghi</i>)</p>	<p>WARNING <i>The risk of Arrested Ear Syndrome (Blunt Ear Syndrome) increases dramatically when any applications (crop protection products, fertilizers, foliar feeds, adjuvants, etc.) are made between the V10 – VT (10th leaf collar – cob tassel emergence) growth stages of maize plants. Applications between the V10-VT growth stages of the crop must be avoided as far as possible.</i></p>	
	<p>Broadcast Application (Ground & Aerial): Apply SCOPE 250 EC as part of a spray programme with Mycoblock 250 SC OR Chico 250 EC as follows (refer to the Mycoblock 250 SC OR Chico 250 EC label):</p> <ul style="list-style-type: none"> Northern leaf blight - apply the first application during the 8- to 10-leaf stage (growth stage 35) of the maize plants. Grey leaf spot - commence with treatment before 3 % of the total leaf surface area exhibit disease symptoms, or if symptoms are observed on the bottom 3 to 5 leaves. Rust – apply the first application preventatively at the 4 to 5 leaf stage. A follow-up spray might not be required in the case of <u>short season hybrids</u>, when the first spray was applied after pollination, as it may be sufficient to control the disease. Apply a maximum of two (2) strobilurin-containing applications per season. Mycoblock 250 SC and Chico 250 EC both contain active ingredients from the strobilurin group. If multiple applications are required to control the disease, additional applications should be made using a registered fungicide from another chemical group, other than strobilurin (e.g., SCOPE 250 EC). The last application for the season should not contain a strobilurin. 	
	<p>250 to 300 ml / ha SCOPE 250 EC (12.5 to 15 ml / 10 l water) PLUS 400 to 600 ml / ha CHICO 250 EC (20 to 30 ml / 10 l water) PLUS Link at 50 ml / 100 l water PLUS Interlock® at 300 ml/ha</p>	<p>The first application must be applied strictly preventatively before any disease symptoms are noticed.</p> <p>Apply the first application not later than three (3) weeks after germination (usually around the 4 to 5 leaf stage).</p> <p>Repeat the application three (3) weeks later.</p>
	<p>400 ml / ha (20 ml / 10 l water) Mycoblock 250 SC FOLLOWED BY 300 ml / ha SCOPE 250 EC (15 ml / 10 l water) PLUS a suitable oil adjuvant</p>	<p>If the first treatment was applied within 21 days before pollination, or in the case of <u>medium to long-season hybrids</u>, apply a follow-up treatment with SCOPE 250 EC 3 to 5 weeks later.</p>
<p>2 applications of Mycoblock 250 SC at 300 ml / ha (15 ml / 10 l water) FOLLOWED BY 300 ml / ha (15 ml / 10 l water) SCOPE 250 EC PLUS a suitable oil adjuvant</p>	<p>Sometimes a third application may be required in cases where the first application was made very early.</p> <p>In such a case use Mycoblock 250 SC for the first two applications at 4 to 5-week intervals.</p> <p>Apply the last application 3 to 5 weeks after the second application using SCOPE 250 EC.</p>	

Crop & Disease	Dosage rate	Remarks
Maize and Sweetcorn (cont.)		
Row Application:		
<ul style="list-style-type: none"> In situations where maize is planted at wider row spacing's than 1 meter, e.g., in the Free State and western parts of RSA, row application may be used. For row applications, adjust dosage rates and spray volumes accordingly. The sprayer must be equipped with a tandem fitting of two hollow cone nozzles, mounted on the boom, directed on to each row. Apply in a sufficient volume of water to ensure good coverage of the plants. 		
Potatoes Early blight <i>(Alternaria solani)</i>	<u>Ground and Aerial application:</u> Apply in a protective programme. Commence applications immediately before flowering (or earlier if the disease starts to develop) and continue until the plants start to senescence (end of flower drop). 175 ml / ha (3.5 ml / 10 l water) OR 250 ml / ha (5 ml / 10 l water) OR 350 ml / ha (7 ml / 10 l water)	Add a Villa approved oil adjuvant to SCOPE 250 EC . Apply the 175 ml per hectare dosage weekly, or the 250 ml per hectare dosage every 10 days, or the 350 ml per hectare dosage every two (2) weeks.
	185 ml / ha (4 ml / 10 l water) PLUS 300 ml / ha (6 ml / 10 l water) Mycoblock 250 SC	Apply at 7 to 10-day intervals. DO NOT apply more than two (2) consecutive applications with this tank mix. DO NOT apply more than six (6) applications with this tank mix per growing season. Alternate applications with fungicides of different modes of action which are registered for the control of Early blight.
Soybeans Soybean rust <i>(Phakospora pachyrhizi)</i>	325 ml / ha (16.5 ml / 10 l water)	Apply at the first signs of disease and repeat 2 to 3 weeks later. If weather conditions favour disease development (temperatures of 15 to 28 °C and high humidity) use the shorter interval. If the disease appears during flowering or early pod-fill, more than one (1) spray may be necessary. Should disease appear late in the growing season, a single application will be sufficient. Ensure thorough coverage of the whole plant.
Table and Wine Grapes Powdery mildew <i>(Oidium tuckerii/ Unicula necator)</i>	125 ml / ha	Apply every 14 days in a spray programme as a full cover spray to the point of run-off. Commence spraying when the first shoots are 100 to 250 mm long and repeat the treatment at intervals as indicated. Do not apply more than four (4) treatments per season. The last application must not be later than bunch closure (berry touch completed). Always ensure thorough coverage.
NOTE		
<ul style="list-style-type: none"> For wine grapes increase the spray volume progressively, from 250 litres per hectare to reach 1000 litres per hectare at pea-berry stage and repeat at this rate throughout the rest of the season. For table grapes the spray volume should be increased progressively from 500 litres per hectare to 1200 litres per hectare Do not exceed the spray interval. 		

Crop & Disease	Dosage rate	Remarks
Tomatoes Early blight (<i>Alternaria solani</i>)	35 ml / 100 ℓ water (3.5 ml / 10 ℓ water)	<u>High volume:</u> Apply at 500 to 2000 litres spray mixture per hectare.
	350 ml / ha	<u>Low volume:</u> Mistblower application.
NOTE		
<ul style="list-style-type: none"> • For low Early blight pressure areas where other diseases are not a problem: <ul style="list-style-type: none"> - Apply SCOPE 250 EC at 14-day intervals. • For moderate to heavy Early blight pressure areas and/or where other diseases need to be controlled: <ul style="list-style-type: none"> - Alternate weekly between SCOPE 250 EC and a suitable broad-spectrum fungicide (e.g., Mancozeb, Chlorothalonil or Copper). - Commence applications from the flowering stages (about 8 weeks after transplant) or earlier if the disease already started developing. Continue with SCOPE 250 EC into the picking stages (16 to 20 weeks after transplant) applying a maximum of eight (8) SCOPE 250 EC applications per season. - During the pre-flowering stages and after the SCOPE 250 EC treatments are discontinued, apply a suitable broad-spectrum fungicide. • Ensure complete coverage of the entire plant mass with spray mixture at all times. • SCOPE 250 EC does not control Late blight (<i>Phytophthora infestans</i>). 		
Tree nuts (Almonds, Cashews, Chestnuts, Hazelnuts, Macadamias, Pecans, Pistachios, Walnuts) Downy spot (<i>Mycosphaerella caryigena</i>) Leaf rust (<i>Tranzchelia discolor</i>) Panicle and shoot blight (<i>Botryosphaeria dothidea</i>) Powdery mildew (<i>Micosphaera penicillata</i>) Scab (<i>Fusicladium effisum</i> / <i>Cladosporium caryigenum</i>) Blossom blight (<i>Cladosporium cladosporioides</i>) (<i>Monilinia spp.</i>) Husk rot (<i>Colletotrichum spp.</i>) Alternaria late blight (<i>Alternaria spp.</i>) Alternaria leaf spot (<i>Alternaria alternata</i>)	13 ml / 100 ℓ water (1.3 / 10 ℓ water) PLUS 20 ml / 100 ℓ water (2 ml / 10 ℓ water) Mycoblock 250 SC PLUS 20 to 100 ml / 100 ℓ water (2 to 10 ml / 10 ℓ water) Masterlock® OR 13 ml / 100 ℓ water (1.3 ml / 10 ℓ water) PLUS 20 ml / 100 ℓ water (2 ml / 10 ℓ water) Chico 250 EC PLUS 20 to 100 ml / 100 ℓ water (2 to 10 ml / 10 ℓ water) Masterlock®	<p>Refer to “Resistance Management and Directions for use” above.</p> <p>Apply the SCOPE 250 EC tank-mix preventively as part of a program application in a 14-day spray program. DO NOT apply more than four (4) applications of the tank-mix with Mycoblock 250 SC per season. DO NOT apply more than three (3) applications of the tank-mix with Chico 250 EC per season on Pecans.</p> <p>All other applications must be made with different fungicide from unrelated chemical groups</p> <p>Ensure complete coverage of the whole tree canopy with each application treatment.</p> <p><u>Aerial application:</u> Apply in 30 to 40 litres water per hectare.</p>
		Start applications for the control of Scab when the first leaves unfold.
		Start applications for the control of Blossom blight at flower tassel emergence.
		For the control of Husk rot, the first application must not be applied later than 100 % petal drop/fruit set.
		Start applications in Late spring.

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

- **MYCOBLOCK 250 SC** (L 8591) = **FUNGAWAY 250 SC** (L 8590 / N-AR 1225 / W1301393) = **STROBIN 250 SC** (L 8625) (**Azoxystrobin**),
- **INSPECT 400 SC** (L 9182) = **DETECT 400 SC** (L 9238 / N-AR 2189 / W1301440) (**Dithianon**),
- **CHICO 250 EC** (L 9337) = **CERATO 250 EC** (L 9336) (**Pyraclostrobin**) and
- **LINK** (L 8675) = **DIRECT** (L 8680).

CHICO 250 EC, MYCOBLOCK 250 SC, STROBIN 250 SC, CAPTAN 500 SC and DETECT 400 SC
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UNIVERSAL CROP PROTECTION (PTY) LTD.

LINK, DIRECT, CERATO 250 EC, FUNGAWAY 250 SC, INSPECT 400 SC and VILLA UNIZEB
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