AROXY 250 SC
Reg. No.: L 9259 Act /Wet No. 36 of/van 1947

A suspension concentrate fungicide with systemic, translaminar and contact action for the preventative control of certain fungal diseases on crops as listed.

FRAC FUNGICIDE GROUP CODE: 11  FRAC SWAMDODERGROEP KODE:

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL:
azoxystrobin (strobilurin) / asoksistrobyn (strobilurien) ........................................... 250 g/ℓ

Registration holder / Registrasiehouer:
ARYSTA LifeScience South Africa (Pty) Ltd
7 Sunbury Office Park, Off Douglas Saunders Drive, La Lucia Ridge, South Africa, 4019
Tel: 031 514 5600

Batch No. / Lot Nr.:

Date of manufacture: / Datum van vervaardiging:

UN Number: 3082

READ THE LABEL IN DETAIL BEFORE OPENING THE CONTAINER. / LEES DIE ETIKET VOLLEDIG VOORDAT DIE HOUER OOPGEMAAK WORD.
For full particulars, see enclosed leaflet. / Vir volledige besonderhede, sien ingeslote pamflet.
AROXY 250 SC
Reg. No.: L 9259 Act/Wet No. 36 of/van 1947
FRAC FUNGICIDE GROUP CODE / FRAC SWAMDODERGROEP KODE: 11

A suspension concentrate fungicide with systemic, translaminar and contact action for the preventative control of certain fungal diseases on crops as listed.

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CAUTION / VERSIGTIG

WARNINGS:

Withholding periods: Allow the following minimum number of days between the last application and harvesting.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citrus (lemons not included)</td>
<td>77</td>
</tr>
<tr>
<td>Citrus lemons</td>
<td>14</td>
</tr>
<tr>
<td>Cucurbits</td>
<td>3</td>
</tr>
<tr>
<td>Mangoes</td>
<td>21</td>
</tr>
<tr>
<td>Table Grapes, Cruciferae &amp; Peppers</td>
<td>14</td>
</tr>
<tr>
<td>Maize, Sweetcorn, Potatoes &amp; Tomatoes</td>
<td>7</td>
</tr>
<tr>
<td>Onions</td>
<td>20</td>
</tr>
<tr>
<td>Dry beans</td>
<td>45</td>
</tr>
</tbody>
</table>

The recommended withholding period between last application and harvest meets local residue level requirements but may not meet export requirements. If the crop is intended for export, first consult the relevant exporting agent prior to application of AROXY 250 SC.

- Handle product with caution.
- Harmful if swallowed.
- May be a mild to moderate irritant to skin and eyes.
- Toxic to fish and very toxic to aquatic organisms.
- Store in a cool, dry well-ventilated place in the original container, tightly closed and secured.
- Store away from food, feeds, seed, fertilizer 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 water or adjacent areas.

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 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:
- Do not inhale spray mist.
- Avoid skin and eye contact.
- Wear protective clothing, face shield, rubber gloves and rubber boots when mixing and applying the product.
- Wash with soap and water after use and contaminated clothing.
- In case of accidental eye contact, flush with plenty of water, occasionally lifting upper and lower lids, until no evidence of chemical remains (approximately 15 to 20 minutes). If irritation persists, obtain medical advice.
- In case of skin contact, remove clothing, shoes and leather goods immediately. Gently wipe of excess chemical. Wash skin gently and thoroughly with clean water and non-abrasive soap or mild detergent until no evidence of chemical remains (approximately 15 to 20 minutes). Obtain medical advice if necessary.
- In case of inhalation, immediately move patient to fresh air and keep warm and at rest. Obtain medical advice if necessary.
- If swallowed, do not induce vomiting. Obtain medical advice immediately for treatment advice and make the container, or label or this Data Sheet available. Give person water to drink, never give anything by mouth to a semi-conscious or unconscious person.
- Do not eat, drink or smoke while mixing and applying the product before washing hands and face and change of clothing.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean application equipment thoroughly after use. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Triple rinse 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 rinsings to the contents of the spray tank before destroying the container in the described manner.
- Destroy the empty container by perforation and flattening and dispose of it in a safe manner.
- Never re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

RESISTANCE WARNING:
For resistance management, AROXY 250 SC is a group code 11 fungicide. Any fungus population may contain individuals naturally resistant to AROXY 250 SC and other group code 11 fungicide. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by AROXY 250 SC or any other group code 11 fungicide.

To delay fungicide resistance:
- Avoid exclusive repeated use of fungicide from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes,
- Refer to individual product labels when alternating products or when using tank mixtures with products in fungicide group codes 7, 27, 28, 29, 30 and M.
- Integrate the control methods (chemical, cultural, biological) into disease control programmes.

Never use any of the other strobilurin or strobilurin related chemicals in the same programme with AROXY 250 SC.
For specific information on resistance management contact the registration holder of this product.
DIRECTIONS FOR USE:  Use only as indicated.

Compatibility:
- **AROXY 250 SC** is compatible with most registered fungicides, insecticides, buffers and wetting agents eg Kinetic (registration pending) and silicone based wetting agents, which are commonly used.
- Tank mixtures on table grapes may result in visible residues, therefore be very careful when such applications are intended.
- When tank mixing **AROXY 250 SC** in citrus with mancozeb or copper oxychloride and mineral oil or other wetting agents, no other product should be added.
- Consult the labels of the products with which **AROXY 250 SC** will be used and observe the WARNINGS, PRECAUTIONS and DIRECTIONS FOR USE as indicated for these products.
- Do not mix **AROXY 250 SC** with other products unless physical and chemical compatibility has been confirmed.

Mixing Instructions:
- Half-fill the spray tank with clean water. If necessary, buffer the spray water prior to addition of any pesticides.
- Shake the **AROXY 250 SC** container thoroughly, immediately before use.
- Measure the required volume of **AROXY 250 SC** and add to the spray tank, while stirring.
- Fill the spray tank with clean water to the required level while maintaining agitation to ensure thorough mixing of the spray mixture.
- When a tank mixture is to be used, first perform the compatibility test.
- Pre-mix the products before adding to the tank.
- Fill the spray tank with water to the required level while maintaining agitation to ensure thorough mixing.
- Maintain agitation during application.
- Prepared spray mixtures must not be left in the spray tank for any length of time, e.g. overnight.

APPLICATION:
- Always use only application equipment that is in a good working condition, clean and correctly calibrated.
- It is recommended that if it rain before the spray deposit has dried, re-apply the application.

Aerial application:
Aerial application in Potatoes and Maize of **AROXY 250 SC** 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 to 40 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 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height**: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb 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 kilometres 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.

APPLICATION RATES:

<table>
<thead>
<tr>
<th>CROP/PEST:</th>
<th>DOSAGE RATE:</th>
<th>REMARKS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITRUS</td>
<td>20 ml/100 l water + 150 g mancozeb WP* OR 100 ml Nanogreen + 300 ml light narrow range mineral oil</td>
<td>Apply as a high volume spray only. Use 30 to 50 l spray volume/tree for older trees and 20 to 40 l spray volume/tree for younger trees. Use AROXY 250 SC as part of the spray programme. Start the programme after 100% petal fall with a mancozeb application. 3 Weeks thereafter, by mid to end October apply AROXY 250 SC and repeat the application 6 weeks later, by end November to beginning December. If protection is required to six weeks later during January and February, apply a further one to two mancozeb applications at 21 to 24 day intervals.</td>
</tr>
</tbody>
</table>

For optimum disease control, adequate and good coverage of the foliage by the spray mixture is crucial. Ensure good pruning practices are followed, especially the pruning of low hanging branches and windows in trees.

At the start of spraying the programme, ensure all out of season fruit have been removed.

Do not treat trees under any stress, eg on trees with visible Phytophthora-root rot symptoms.

* rate as for mancozeb 800 g/kg WP
** rate as for copper oxychloride 850 g/kg WP
Always refer to the label of other products mentioned on this label for information such as directions of use, warnings, precautions and other.
<table>
<thead>
<tr>
<th>CROP/PEST:</th>
<th>DOSAGE RATE:</th>
<th>REMARKS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MANGOES</td>
<td>40 ml/100 ℓ water</td>
<td>Apply as a high volume spray only. Use 5 to 15 ℓ spray mixture/tree, depending on the age of the tree. Start the treatment programme with AROXY 250 SC application at full flowering to fruit set (petal drop). Apply the second application not later than 21 days before harvest. These applications will assist with the control of stem-end rot (complex including Dothiorella dominicana, Lasiodiplodia theobromae and Phomopsis mangiferae), blossom blight and soft brown rot (Botryosphaeria spp.) and powdery mildew (Oidium mangiferae). For complete control of powdery mildew, follow a programme with AROXY 250 SC with sulphur and propiconazole. Refer to the labels of the relevant products for information regarding directions for use, warnings, precautions and restrictions.</td>
</tr>
<tr>
<td>TABLE GRAPES</td>
<td>80 ml/100 ℓ water</td>
<td>High volume application. Follow a 10 to 14 day spray programme. Start the programme when the longest shoots are approximately 10 cm long. Apply at the most 3 consecutive applications per season, at 10 to 14 day intervals. For powdery mildew control, start the programme when the shoots are 2,5 cm long with products from a different mode of action group than AROXY 250 SC. Apply AROXY 250 SC preferably during the blossom to pea berry stage, however, the product can be applied at any stage during the spray programme.</td>
</tr>
</tbody>
</table>

**Important to Note:**

Always apply **AROXY 250 SC** as a preventative treatment. Apply at least 2 applications, but not more than 3 applications per season. Always use fungicides in the spray programme which are from a different mode of action group than azoxystrobin. Do not use other products which are also strobilurin containing fungicides in the same spray programme as azoxystrobin. Do not apply azoxystrobin at the first and/or the last application of the programme. Do not apply at reduced rates. Do not apply **AROXY 250 SC** to nursery grape vine cuttings.

**Spray volumes for:**

<table>
<thead>
<tr>
<th>Pre-blossom:</th>
<th>During blossom:</th>
<th>Post-blossom:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table Grapes: 500 - 750 ℓ spray mixture/ha</td>
<td>750 - 1000 ℓ spray mixture/ha</td>
<td>1000 - 1500 ℓ spray mixture/ha</td>
</tr>
<tr>
<td>CROP/PEST:</td>
<td>DOSAGE RATE:</td>
<td>REMARKS:</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
<td>----------</td>
</tr>
<tr>
<td>CRUCIFERAE</td>
<td>500 – 750 ml/ha + Kinetic or silicone wetter</td>
<td>Apply as a full cover spray as a preventative measure at 450 to 700 l spray mixture/ha, depending on the growth stage of the plants. As soon as the weather conditions are in favour of disease development, apply the first application and 7 days later the follow-up application. Apply the higher rate with a high disease pressure. Always follow a programme with AROXY 250 SC at maximum 2 applications per growing season together with other registered fungicides from a different mode of action group, eg chlorothalonil. Do not apply azoxystrobin at the first and/or the last application of the programme. Do not use azoxystrobin as a corrective treatment or to rectify an unsuccessful application of another product.</td>
</tr>
<tr>
<td>MAIZE &amp; SWEETCORN</td>
<td>Ground &amp; Aerial: 400 ml/ha OR 300 ml/ha followed by difenoconazole</td>
<td>Use AROXY 250 SC as part of a programme and do not apply more than 2 applications per growing season. When more than one application is necessary, the last application should not be azoxystrobin. Apply the first application before 3% of the total leaf surface area shows disease symptoms or when symptoms are present on the basal 3 to 5 leaves. Short season hybrids: one application applied after pollination would probably be sufficient to control the disease and a second application might not be necessary. Medium to long-season hybrids: or when the first application was applied within 3 weeks before pollination, a follow-up application with a different mode of action product, eg difenoconazole must be applied 4 to 5 weeks later. Refer to the relevant label for full particulars.</td>
</tr>
<tr>
<td></td>
<td>300 ml/ha followed by 300 ml/ha followed by difenoconazole</td>
<td>In cases where the initial application was applied at a very early stage, a third application might be necessary. In such cases, first apply AROXY 250 SC and follow-up with a second application at 4 to 5 week intervals. A third application with difenoconazole must be applied 4 to 5 weeks later. Refer to the relevant label for full particulars. This spray programme will also control rust (Puccinia sorgi).</td>
</tr>
</tbody>
</table>

Spray programme Proposal:

<table>
<thead>
<tr>
<th>Number of applications/season</th>
<th>Number of AROXY 250 SC sprays/season</th>
<th>Dosage rate of AROXY 250 SC</th>
<th>Number of triazole sprays/season</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>400 ml/ha</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>300 ml/ha</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>300 ml/ha</td>
<td>1</td>
</tr>
</tbody>
</table>
### Important to Note: Spray volumes for:

<table>
<thead>
<tr>
<th>Tractor Application:</th>
<th>High Clearance Tractor Application:</th>
<th>Aerial Application:</th>
<th>Knapsack Sprayer Application:</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 – 450 ℓ water/ha</td>
<td>150 – 300 ℓ water/ha</td>
<td>40 ℓ water/ha</td>
<td>60 - 70 ℓ water/ha</td>
</tr>
</tbody>
</table>

### Crop/Pest:  
**POTATOES**

- **Early blight** (*Alternaria solani*)
  - **Ground Application:** 300 ml/ha
  - **Aerial Application:** 330 ml/ha
  - Add Kinetic or silicone wetter with the AROXY 250 SC applications.

Follow a preventative spray programme with AROXY 250 SC in alteration with chlorothalonil, at 7 day intervals. Start the applications with chlorothalonil and/or metalaxyl-M/chlorothalonil before the disease appears or when weather conditions favour disease development. When the disease is present, do not apply AROXY 250 SC but apply at least 2 sprays of a registered and relevant systemic fungicide eg difenoconazole or metalaxyl-M/chlorothalonil. Thereafter, return to the AROXY 250 SC/chlorothalonil preventative programme. The number of azoxystrobin applications in the programme should not be more than 30% of the total number of azoxystrobin/chlorothalonil applications – usually not more than 3 applications. Ensure adequate and optimum coverage of the plants. Refer to the relevant labels for full particulars.

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### Important to Note:
Always apply AZOXY 250 SC as a preventative treatment. The first 2 to 3 applications should be chlorothalonil and/or metalaxyl-M/chlorothalonil, followed by an AROXY 250 SC application, at 7 day intervals, in the early flowering stage. Follow this 7 day alternating programme until a maximum of 3 AROXY 250 SC applications (30% of total applications) have been made. Thereafter, for the remainder of the growing season, apply chlorothalonil. Do not apply azoxystrobin as the first and/or the last application in the programme. The spray programme will also control late blight (*Phytophthora infestans*).

### Crop/Pest:  
**TOMATOES**

- **Late blight** (*Phytophthora infestans*)
  - **Ground Application:** 80 - 120 ml/100 ℓ water
  - Add Kinetic or silicone wetter with the AROXY 250 SC applications.

Follow a preventative spray programme with AROXY 250 SC in alteration with chlorothalonil, at 7 day intervals. Start the applications with chlorothalonil and/or metalaxyl-M/chlorothalonil before the disease appears or when weather conditions favour disease development. When the disease is present, do not apply AROXY 250 SC but apply at least 2 sprays of a registered and relevant systemic fungicide eg difenoconazole or metalaxyl-M/chlorothalonil. Thereafter, return to the AROXY 250 SC/chlorothalonil preventative programme. The number of azoxystrobin applications in the programme should not be more than 30% of the total number of azoxystrobin/chlorothalonil applications – usually not more than 6 applications. Ensure adequate and optimum coverage of the plants. A minimum of 300 ℓ to maximum 1000 ℓ spray mixture/ha is recommended, depending on the plant height. Refer to the relevant labels for full particulars.

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### Important to Note:
Always apply AZOXY 250 SC as a preventative treatment. The first 2 to 3 applications should be chlorothalonil and/or metalaxyl-M/chlorothalonil, followed by an AROXY 250 SC application, at 7 day intervals, in the early flowering stage.
Follow this 7 day alternating programme until a maximum of 6 AROXY 250 SC applications (30% of total applications) have been made. Thereafter, for the remainder of the growing season, apply chlorothalonil. Do not apply azoxystrobin as the first and/or the last application in the programme. The spray programme will also control early blight (Alternaria solani).

<table>
<thead>
<tr>
<th>CROP/PEST:</th>
<th>DOSAGE RATE:</th>
<th>REMARKS:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CUCURBITS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Powdery mildew (Sphaerotheca fuliginea/ Erysiphe cichoracearum)</td>
<td>400 – 500 ml/ha</td>
<td>Use AROXY 250 SC preventative as part of a spray programme with chlorothalonil, sulfur and penconazole. Refer to the relevant labels for full particulars. Apply as a full cover spray in sufficient water volume to ensure good coverage. Apply only 2 applications in the same season. Apply the first AROXY 250 SC application at flower initiation and the second 7 days later. Use the higher dosage rate when conditions favour disease development. <strong>Do not add any wetting agents.</strong> Do not apply azoxystrobin as the first and/or the last application of the programme. Do not use azoxystrobin as a corrective treatment or to rectify an unsuccessful application of another product.</td>
</tr>
</tbody>
</table>

| **DRY BEANS** | | |
| Anthracnose (Colletotrichum lindeemuthianum) | 400 ml/ha | Use AROXY 250 SC preventative and as part of a spray programme with difenoconazole for optimum control. Apply as a full cover spray in sufficient water volume to ensure good coverage. Apply only 2 applications in the same season. Apply the first AROXY 250 SC application at flower initiation and the second 14 days later. Refer to the relevant labels for full particulars. Do not apply azoxystrobin at the first and/or the last application of the programme. Do not use azoxystrobin as a corrective treatment or to rectify an unsuccessful application of another product. The above will also control rust (Uromyces appendiculatus) if present. |

| **PEPPERS** | | |
| (sweet peppers, chilies, piquante) | | |
| Powdery mildew (Leveillula taurica) | 60 ml/100 l water | Use AROXY 250 SC preventative and as part of a spray programme with other registered fungicides. Apply as a full cover spray in sufficient water volume to ensure good coverage. Apply 2 consecutive applications, the first AROXY 250 SC application at flower initiation and the second 7 days later. Depending on the disease pressure and spray programme, AROXY 250 SC applications can be repeated at 14 day intervals provided an alternative fungicide is used at 7 day intervals, especially when conditions favour disease development. The number of azoxystrobin applications in the programme should not be more than 30% of the total number of applications – maximum 6 applications. Do not apply azoxystrobin at the first and/or the last application of the programme. Do not use azoxystrobin as a corrective treatment or to rectify an unsuccessful application of another product. Refer to the relevant labels for full particulars. |

| **ONIONS** | | |
| Purple blotch (Alternaria porri), Stemphylium Leaf blotch (Stemphylium) | 400 ml/ha | Use AROXY 250 SC preventative and as part of a spray programme with other registered fungicides. Apply as a full cover spray in sufficient water volume to ensure good coverage. Apply only 2 consecutive applications, the first AROXY 250 SC application when leaf bases begin to thicken or later when risk of disease development is high. Apply the second 14 days later. |
| vesicarium) | Do not apply azoxystrobin at the first and/or the last application of the programme. Do not use azoxystrobin as a corrective treatment or to rectify an unsuccessful application of another product. Refer to the relevant labels for full particulars. |