

RIZA[®] GOLD 300 SC

Reg. No./Nr. L 9312: Act No. / Wet nr. 36 of / van 1947

A suspension concentrate systemic fungicide for the control of diseases as indicated in wheat, barley, maize, and soybeans.

'n Suspensiekonsentraat sistemiese swamdoder vir die beheer van siektes in koring, gars, mielies, en sojabone soos aangedui.

FUNGICIDE GROUP CODE	3	SWAMDODER GROEP
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Active ingredient:

Tebuconazole (triazole)
Flutriafol (triazole)

225 g/l
75 g/l

Aktiewe bestanddele:

Tebukonasool (triasool)
Flutriafol (triasool)

Net volume

5 ℓ

Netto volume

Registered by / Geregistreer deur:

FMC Chemicals (Pty) Ltd
Post Box 44
Postnet Menlyn
Waterkloof Glen
0181

**For any emergency or poisoning contact:
Griffon Poison Information Centre (24 hrs)
+27-(0)-82-446-8946**

Batch Number		Lotnommer
Date of Manufacture		Vervaardigingsdatum

UN number/ VN nommer: 3082

		CAUTION VERSIGTIG	
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WARNINGS:

WITHHOLDING PERIODS: (Minimum number of days between last application and harvest).

DO NOT HARVEST THE CROP OR FEED HAY OR PLANT MATERIAL TO ANIMALS BEFORE THE FOLLOWING INTERVALS AFTER THE LAST APPLICATION HAVE ELAPSED:

Crop	Minimum number of days
Maize	7
Soybeans	49
Barley, Wheat	77

NOTE: These withholding periods are based on local requirements for residue levels and may differ from other countries to which treated products may be exported. If a treated crop is intended for export consult with the importer or exporting body to confirm correct usage, acceptable withholding periods and maximum residue limits (MRL) for the importing country.

- Treated lands should not be grazed.
- Harmful when absorbed through the skin, swallowed or inhaled.
- A mild irritant to skin. May cause sensitization by skin contact.
- May cause eye irritation and damage.
- Toxic to fish
- Toxic to animals and birds.
- Store in a cool place under lock and key away from food and feed.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry interval: 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.

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 soil, 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:

- Do not eat, drink or smoke while handling this product.
- Prevent contamination of food, feed, drinking water and eating utensils.

For safety when mixing:

- Wear eye protection (face shield). In case of contact with eyes, flush eyes with clean water at once.
- Wear rubber gloves. In case of contact with skin, wash it off at once.
- After any spill on clothes, change and wash them.
- 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.

For safety when spraying:

- Do not inhale the spray mist.
- Avoid contact with the spray.
- Avoid spray drift onto other crops, grazing, rivers, dams and areas not under treatment.

For safety after spraying:

- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.

- Wash out the container when empty. Do not use for any other purpose.
- Change and wash your work clothes.
- Wash yourself.

SYMPTOMS OF HUMAN POISONING:

In case of poisoning, call doctor or Poison Control Centre immediately. Have patient lie down and keep quiet. Take container, label or product name and Product Registration Number with you when seeking medical attention. Symptoms include passivity, impaired mobility, shortness of breath, salivation, muscle spasms and increased body temperature.

FIRST AID

Skin contact: Rinse skin immediately with plenty of water for 15-20 minutes and remove contaminated clothing.. Call a doctor if irritation develops.

Eye splashes: Immediately flush with water or eyewash solution. Hold eyelids apart and pour in a gentle stream of water for 10 – 15 minutes until no evidence of chemical remains. If irritation persists go to a doctor.

If Inhaled: Move person to fresh air. Seek medical attention if discomfort does not disappear.

If RIZA GOLD 300SC is swallowed do not make the person vomit. Rinse the patients mouth and give several glasses of water or milk. If vomiting occurs, rinse mouth and give several glasses of liquid again. Take person and the product label to a doctor at once.

MEDICAL TREATMENT: There is no specific antidote. Treatment is supportive and symptomatic. If gastric lavage is performed, take care to prevent aspiration of gastric contents. Consider administration of activated charcoal and a laxative..

RESISTANCE WARNING:

For resistance management, **RIZA GOLD 300SC** is a group code 3 (triazole) fungicide. Any fungal pathogen population may contain individuals naturally resistant to **RIZA GOLD 300SC** and other Group code 3 fungicides. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly and exclusively in programmes. These resistant fungal pathogens may not be controlled by **RIZA GOLD 300SC** or any other group code 3 fungicides.

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same group code. Alternate or tank mix with products from different fungicide group codes.
- Integrate other control methods (chemical, cultural, biological) into disease control programmes.

For specific information on resistance management contact your local agent or the registration holder of this product.

DIRECTIONS FOR USE: Use only as indicated.

Use restrictions:

The uptake and activity of a systemic product like **RIZA GOLD 300 SC** will be reduced when applied to crops under severe stress conditions. Therefore, under such conditions, the application of **RIZA GOLD 300 SC** should not be recommended. Do not apply **RIZA GOLD 300 SC** more than **four times** to the same crop per season.

COMPATIBILITY:

The compatibility of **RIZA GOLD 300 SC** can be influenced by the formulation of the other products, as well as the quality of the dilution water, therefore a physical compatibility test is always recommended before application. Tank mixtures should be agitated throughout the mixing and spraying operation. Tank mixtures should be applied immediately and not be left to stand for any length of time e.g. overnight.

MIXING INSTRUCTIONS:

Half fill the spray tank with clean water and start agitation. Shake the container well and add the required amount of **RIZA GOLD 300 SC** to the spray tank whilst agitating, then fill the spray tank to the correct level. Do not allow the mixture to stand overnight.

APPLICATION:

Ground application:

Use a minimum of 300 l water/ha to ensure optimum spray coverage.

Aerial application:

Aerial application of **RIZA GOLD 300SC** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS 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 - 40 l per hectare is recommended (40 l/ha in maize). 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 aurally at a lower volume rate than recommended above.
- **Droplet coverage:** 50-70 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 km/h.
- 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:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - 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.

Recommendations

CROP / DISEASE	DOSAGE	REMARKS
BARLEY Net (Leaf) blotch (<i>Pyrenophora teres</i>) (<i>Helminthosporium spp.</i>)	Ground application: 1000 ml/ha in 300l water Aerial application: 1200 ml/ha in 30 l water	Apply at first signs of disease in the period between 7 leaf to early ear emergence. Under conditions of high disease pressure earlier sprays may be necessary with a follow-up spray 3 weeks later.
WHEAT Glume blotch (<i>Septoria nodorum</i>)	Ground application: 750 to 1000 ml/ha in 300l water Aerial application: 1200 ml/ha in 30 l water	Apply when the first infections appear on the flag leaf but not later than the flowering stage. Use the lower rate under low disease pressure conditions

<p>WHEAT</p> <p>Yellow rust (<i>Puccinia striiformis</i>)</p>	<p>Ground application: 750 ml/ha in 300 ℓ water</p> <p>Aerial application: 900 ml/ha in 30 ℓ water</p>	<p>Apply RIZA GOLD 300 SC at first signs of the disease. Repeat application within 4 - 6 weeks should a re-infection occur. Do not spray after anthesis.</p>
<p>MAIZE</p> <p>Grey leaf spot (<i>Cercospora zea-maydis</i>)</p>	<p>Ground application: 1000 ml/ha in 300 ℓ water</p> <p>Aerial application: 1250 ml/ha in 40 ℓ water</p>	<p>Start application before 5 % of the total leaf surface area shows disease symptoms OR before symptoms appear on any of the three leaves below the cob. If initial spray is applied within 3 weeks of pollination, a second spray may be necessary 3 - 4 weeks after the first spray. If initial spray is applied 3 weeks after pollination then a single spray will probably be sufficient.</p>
<p>MAIZE</p> <p>Northern leaf blight (<i>Exserophilum turcicum</i>) (<i>Helminthosporium</i>)</p>	<p>Ground application: 1000 ml / ha in 300 ℓ water</p> <p>Aerial application: 1250 ml / ha in 40 ℓ water</p>	<p>Start application as soon as 1 % of the total leaf surface area shows disease symptoms OR before symptoms appear on any of the five leaves below the cob. In this case, start application immediately irrespective the total leaf surface area infected. Repeat application 14 days later. Scouting should be done on a daily basis since the disease spreads rapidly under ideal weather conditions (Extended periods of wet plants due to rain or dew and moderate temperatures).</p>
<p>Note: RIZA GOLD 300 SC can be alternated with registered Azoxystrobin and Chlorothalonil formulations in a preventive spray programme. Consult the labels for full particulars. Do not alternate RIZA GOLD 300SC with any other triazole containing products</p>		
<p>SOYBEANS</p> <p>Rust (<i>Phakopsora pachyrhizi</i>)</p>	<p>Ground application: 750 ml/ha in 300 ℓ water</p> <p>Aerial application: 900 ml/ha in 40 ℓ water</p>	<p>Apply at first signs of disease and repeat 14-21 days later. If weather conditions favour disease development (temperatures of 15-28°C and high humidity) use shorter interval. If the disease appears during flowering or early pea-fill more than one 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.</p>