

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

SEED TREATMENT



RENDER 100 FS

Reg. No. L 11888 Act No. 36 of 1947

1: 10/10/2025 – Oct2025

A flowable concentrate fungicide seed treatment with systemic properties for the control of diseases on cereal grains as indicated.

ACTIVE INGREDIENT

prothioconazole (triazole)

100 g/ℓ

GROUP

3

INSECTICIDE



DANGER

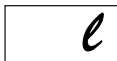
Hazard Statements:

Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

DIRECTIONS FOR USE ENCLOSED
Batch Number: _____
Expiry Date: _____
Date of Manufacture: _____



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)

RENDER 100 FS

Reg. No. L 11888 Act No. 36 of 1947
FRAC FUNGICIDE GROUP CODE: 3

ACTIVE INGREDIENT:

prothioconazole (triazole).....100 g/l

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Co. Reg. No. 1983/008184/07

65 Botes Road, KEMPTON PARK, 1620,

Tel. (011) 396 2233

WARNINGS**Withholding periods:**

WHEN THE CROP REACHES MATURITY, RESIDUE LEVELS ON GRAIN AND FODDER WILL MEET LOCAL RESIDUE REQUIREMENTS BUT MAY NOT MEET EXPORT REQUIREMENTS.

IF THE CROP TREATED IS INTENDED FOR THE EXPORT MARKET, CONSULT THE RELEVANT EXPORTING ORGANIZATION REGARDING MRL REQUIREMENTS AND THE WITHHOLDING PERIODS. WHEN THIS PRODUCT IS USED ACCORDING TO THE LABEL RECOMMENDATIONS SET HEREIN, THE LOCAL MRL WILL NOT BE EXCEEDED. UNIVERSAL CROP PROTECTION (PTY) LTD CAN HOWEVER NOT BE HELD LIABLE FOR THE EXPORT CROPS EXCEEDING THE IMPORT TOLERANCE OF OTHER COUTRIES.

Hazard statements:
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

- Handle with care.
- Keep out of reach of children, uninformed persons and animals.
- Store away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Store in a cool, dry, well-ventilated place in the original container, tightly closed and secured.
- Do not use treated seed for human or animal consumption.
- **Treated seed may be poisonous to seed-eating birds. Treated seed must be planted properly and covered entirely with soil. No seed should be left in places where it can be eaten by birds.**
- **Aerial application of treated seed is not permitted.**

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 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**Precautionary statements:**

Wash hands thoroughly after handling. Do not touch eyes.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release into the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF ON SKIN: Wash with plenty of water and non-abrasive soap.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.

If skin irritation or rash occurs: get medical help.
Collect spillage.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Avoid contact of product with skin and eyes.
- Wash with soap and water after use or accidental skin contact.
- Wash contaminated clothes daily after use.
- Do not eat, drink or smoke whilst applying or mixing, or before washing hands and face or change of clothing.
- Clean applicator after use and dispose of wash water where it will not contaminate crop, grazing, rivers, dams and boreholes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Keep containers tightly closed in a dry, cool and well-ventilated place.
- Store in original container.
- Store in a cool place away from food, drinks and animal feedstuff.
- **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.
- **Never** re-use the empty product container for any other purpose.
- When treated seed are stored in seed bags, the bags should be clearly marked and never used for any other purpose.

First Aid Treatment

- **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:** Immediately flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. **Seek medical attention.**
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Keep affected person warm and at rest. Supply oxygen if necessary. Treat symptomatically and supportively.
- **Ingestion:** Seek medical attention or call a poison control centre for treatment advice. **DO NOT** induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

Hazardous inert ingredients	
Alcohols (C16-18, ethoxylated)	<3 %
Hydroxyethyl cellulose	<5 %
Ethylene glycol	<6 %
C.I Basic red	<2 %

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

RENDER 100 FS contains an active ingredient belonging to FRAC group code 3. Any fungus population may contain individuals naturally resistant to **RENDER 100 FS** and 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 **RENDER 100 FS** or any other fungicide with FRAC group code 3. Appropriate resistance-management strategies should be followed.

To delay 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 disease control programmes.
- development of resistance to fungicides by seed and soil-borne pathogens has been documented. Consult your **Universal Crop Protection** representative immediately should resistance be suspected and for guidance and strategies for disease management.

For specific information on resistance management contact the registration holder of this product.

Mode of Action:

RENDER 100 FS belongs to the triazole chemical group of fungicides (FRAC 3) and the mode of action is described as “inhibiting of sterol demethylation” thereby affecting ergosterol biosynthesis. These actives are systemic providing preventative and systemic control.

DIRECTIONS FOR USE: Use only as directed.

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:

- The compatibility of **RENDER 100 FS** in tank mixtures with other products has not been confirmed and can be influenced by the formulations involved, as well as the water quality.
- A physical compatibility test of all products involved is recommended before treatment, as formulations can be altered, and water quality can vary from area to area.
- 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.
- Always consult the labels of products to be used tank mixture with **RENDER 100 FS**.

Mixing instructions:

To prepare diluted seed dressings, a slurry should first be prepared as follows:

- **Shake the container well before use.**
- It is recommended that **RENDER 100 FS** is diluted with water in a ratio on 1:3 (100 mL **RENDER 100 FS** with 300 mL water per 100 kg seed) to ensure even and thorough coverage.
- The doses used in the slurry will be dependent on the type of equipment and size or quality of seed. Higher slurry doses should be used for smaller seed.
- Fill the mixing tank with the required volume of water.
- Add the required amount of **RENDER 100 FS** while stirring continuously.
- **Replace the cap directly after use.**
- Use the slurry within 24 hours after preparation.
- Ensure that the slurry is agitated for the duration of use.

Application Instructions:

- The use of industrial mechanical seed dressing equipment is recommended.
- Calibration: It is important to ensure that all seed treatment equipment is in good working order and correctly calibrated with **RENDER 100 FS**, since flow characteristics may not be the same as for other seed treatments. **RENDER 100 FS** may reduce the flow of seed in a seed drill or planter and therefore it is important to recalibrate the seed drill or planter with treated seed before use to ensure the correct density.
- Clean equipment with water after use.
- Do not apply treated seed from an aircraft.

Planting conditions:

- The seedbed must be optimally prepared to support rapid germination and emergence **before** planting seed treated with **RENDER 100 FS**. Poorly prepared seedbeds will have a negative impact on crop growth and provide optimal conditions for disease development.
- Reduced emergence can be attributed to the following factors: very dry seedbeds with loose soil and large clods, soil with surface compaction (i.e., a soil crust), waterlogged soils, planting seed too shallow

(less than 20 mm) or too deep (more than 50 mm), using seed with reduced germination capacity or vigour. If surface compaction occurs once seed are planted but before crop emergence, the crust can be broken using suitable, sensitive implements though care should be taken not to disturb the germinating seed.

APPLICATION RATES

Crop / Disease	Dosage rate	Remarks
<u>Barley</u> Covered smut (<i>Ustilago hordei</i>) Loose smut (<i>Ustilago nuda</i>) Brown rust (<i>Puccinia hordei</i>)	100 ml per 100 kg seed (5 ml per 5 kg seed)	<u>Treat clean seed before sowing.</u> Dilute treatment with water to ensure sufficient coverage. Refer to NOTES below for additional information and planting guidance.
<u>Wheat</u> Loose smut (<i>Ustilago tritici</i>) Stinking smut (<i>Tilletia spp.</i>)	100 ml per 100 kg seed (5 ml per 5 kg seed)	<u>Treat clean seed before sowing.</u> Dilute treatment with water to ensure sufficient coverage. Refer to NOTES below for additional information and planting guidance.

NOTES for seed treatments:

- Refer to **Planting conditions** above for seedbed preparation required **before** planting seed treated with **RENDER 100 FS**.
- To ensure thorough coverage of seed, it is recommended to dilute product in a sufficient volume of water and to ensure seed are thoroughly mixed with the treatment, refer to “**Mixing instructions**” above for guidance on appropriate dilution.
- Allow the seed to dry completely after treatment and plant as soon as possible.
- Only place seed in a bag once the treatment has dried.
- The following conditions promote pathogen infection – fine seed beds, dense plantings, and supplementary irrigation.