

**BASF**

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**APPROVED**

# Rex<sup>®</sup> Duo

A suspension concentrate of a systemic fungicide with preventive and curative effect for the control of fungal diseases as listed in maize, soyabeans and wheat.



NET VOLUME:

**1 Litre**

**GROUP 1 3 FUNGICIDES**

**Active ingredients:**  
Epoxiconazole 187g/L  
Thiophanate-methyl 310g/L

**HAZARD STATEMENT**

Harmful if inhaled.  
Harmful if swallowed.  
Very toxic to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS**

Wear protective gloves/clothing.  
Do not breath mist or vapor.  
Wash contaminated body parts thoroughly after handling.

**Imported by:**

BASF Zambia Limited, P.O.BOX 33764, DG Office Park, 1 Chila Road, LUSAKA  
+260 973 229 860, +260 971 006 124

**Manufactured by:**

BASF Group  
Headquarter: 67056 Ludwigshafen, Germany  
International Emergency Number: +49 180 2273 122

**ZEMA PRODUCT NUMBER: .**



® = Registered trademark of BASF

81140518 ZM 2010



**WARNING**



ml  
800

700

600

500

400

300

200  
ml

## READ THE LABEL BEFORE USING THE PRODUCT

**WARRANTY:** Although this remedy has been 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, weed or pest, 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 the failure of the user to follow the label instructions or the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

### WARNINGS:

- Harmful if inhaled
- Harmful if swallowed
- Suspected of causing cancer
- Suspected of causing genetic defects.
- May damage the unborn child. Suspected of damaging fertility.
- Very toxic to aquatic life with long lasting effects.

### Aerial application

Notify and warn all inhabitants in the immediate area of the intended application and issue the necessary warnings.

Do not spray over adjacent areas or water or permit spray to drift there.

### ALLOW THE FOLLOWING MINIMUM NUMBER OF DAYS BETWEEN LAST APPLICATION AND HARVEST OR GRAZING.

CROP	DAYS
Maize (grain)	30
Maize foliage for feeding	60
Wheat (do not graze)	30
Soyabeans	30

### PRECAUTION:

- Re-entry: do not enter treated field within 2 days after application, unless wearing protective clothing.
- Do not inhale spray mist or vapour
- Avoid contact with skin and/or eyes: Wear rubber gloves and boots and face shield when handling concentrate.
- Wash after accidental skin contact.
- Do not eat, drink or smoke whilst mixing and applying or before washing hands and face.
- Prevent spray drift onto other crops, grazing, rivers and dams.
- Clean applicator after use, before using with other remedies.
- 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 prescribed manner.

- Destroy empty container and never use for any other purpose.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Protect from temperatures below: -10 °C and above 40 °C
- Keep out of reach of children.

### FIRST AID MEASURES

First aid personnel should pay attention to their own safety.

If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

Immediately remove contaminated clothing.

**If Inhaled:** Keep patient calm, remove to fresh air and seek medical attention.

**On skin contact:** After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

**On contact with eyes:** Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**On ingestion:** Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

**Note to physician:** Treat according to symptoms (decontamination, vital functions), no known specific antidote.

### DIRECTIONS FOR USE: USE ONLY AS DIRECTED

### COMPATIBILITY:

Rex<sup>®</sup> Duo is compatible with most products used on wheat, maize and soyabeans. However the efficacy of Rex<sup>®</sup> Duo can be influenced by mixing with other products and the water quality, it is important to do a compatibility test before mixing.

### MIXING INSTRUCTIONS:

Half fill the spray tank with three-quarter water. Start agitator mechanism and slowly add the required amount of Rex<sup>®</sup> Duo to the water. Then add water to the final volume required. If Rex<sup>®</sup> Duo is mixed with other products, these products should be added to the spray mixture shortly before application. All spray applications must be made with suitable equipment that is in good working order and correctly calibrated to give the desired coverage for that particular method of application.

### AERIAL APPLICATION:

Aerial application of Rex<sup>®</sup> Duo may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft. 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 30-40L 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 rate than recommended above.
- **Droplet coverage:** 25 to 35 droplets per cm<sup>2</sup> 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 dives, is in 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 8C.
- Stop spraying if the wind speed exceeds 15km/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 log book and kept for future reference. All spray applications must be made with suitable equipment that is in good working order and correctly calibrated to give the desired coverage for that particular method of application.

CROP	DISEASE	DOSAGE	DIRECTIONS FOR APPLICATION
Maize	Grey leaf spot ( <i>Cercospora zea-maydis</i> ) Northern leaf blight ( <i>Setosphaeria turcica</i> )	0.6L/ha	Treat maize when disease symptoms are first observed of level reach 5% leaf blight. A second application, 3 – 4 weeks after the first application, may be necessary if the disease reoccurs. Ground application: Apply in 200 – 500L water/ha. Aerial application: apply in 30 – 40L water/ha.
Wheat	Yellow rust (Stripe rust) ( <i>Puccinia striiformis</i> ) Septoria leaf blotch and Glume blotch ( <i>Zymoseptoria tritici</i> and <i>Parastagonospora nodorum</i> )	0.5L/ha	Apply as soon as infection is noticed, repeat if necessary 3 – 4 weeks later. Will also control Speckled leaf blotch and Glume blotch if present. Ground application: Apply in 200 – 400L water/ ha. Aerial application: apply in 30- 40L water/ha.
Soybeans	Frog eye ( <i>Cercospora soja</i> ) Red leaf blotch ( <i>Coniothyrium glycines</i> ) Soybean rust ( <i>Phakopsora pachyrhizi</i> )	0.4L/ha	Apply as soon as infection is noticed or preventatively at the onset of flowering. Repeat if necessary 3 weeks later. Ground application: Apply in 200 – 400L water/ha. Aerial application: apply in 30 – 40L water/ha.

#### RESISTANCE MANAGEMENT:

To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide Group Code or mode of action, in this case group 3 and group 1.
- Alternate or tank – mix with products from different fungicides group Codes or mode of action.
- Always follow strict the recommendations of the manufacturer.
- Integrate other control methods (chemical, cultural, biological into disease control programs and others). For more specific information, contact the registration holder and/or access/ consult the homepage of Fungicide Resistance Action Committee (FRAC).



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