

Dividend[®] Extreme

syngenta

Reg. No. **L10410** Act No. 36 of 1947 **N-AR 1931** (Namibia) **W130775** (Botswana)

A systemic flowable fungicide concentrate seed treatment for the control of diseases in crops as indicated.

GROUP	3	SEED
	4	TREATMENT

Active Ingredients:

difenoconazole..... 92 g/l
mefenoxam (metalaxyl-M)..... 23 g/l

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WARNING

Hazard statements:

Very toxic to aquatic life with long-lasting effects.

Precautionary statements:

Response: Collect spillage.

Disposal: Dispose of contents/container to an approved waste disposal plant.

EMERGENCY TEL NO.:
+27 82 446 8946 (Griffon)

UN 3082

Registration holder
Syngenta South Africa (Pty) Ltd
Co. Reg. No. 1998/013761/07
Private Bag X 60
HALFWAY HOUSE, 1685
Tel.: +27 11 541 4000

1. WARNINGS:

Hazard statements: Very toxic to aquatic life with long-lasting effects.

Withholding periods: Minimum number of days between last application and harvest.

CEREALS (barley and wheat)..... 56 days

NOTE: Compliance with these withholding periods will ensure that residues do not exceed local maximum residue limits (MRL), but the import tolerances of other countries might possibly be exceeded. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, MRL's and recommended withholding periods.

- Harmful if swallowed, inhaled, or in the event of skin contact.
- Harmful to aquatic life and toxic to algae.
- Handle with care.
- Store in a cool and dry place.
- Store away from food, feed and drinking water.
- Keep out of reach of children, uninformed persons and animals.
- Protect from light.
- Do not use treated seed for human or animal consumption.
- Do not allow grazing or animal feeding up to grain harvesting stage.
- Do not carry treated seed over for planting in the following season.

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 weed 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 and the environment, or

harm to people or animals 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, that could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

2. PRECAUTIONS:

Precautionary statements: Response: Collect spillage.
Disposal: Dispose of contents/container to an approved waste disposal plant.

- Avoid contact with eyes or prolonged contact with skin.
- Wear protective clothing i.e., overalls, gloves and eyewear.
- Do not inhale vapours or spray mist.
- Wash with soap and water immediately after use or in the event of accidental skin contact.
- If poisoning is suspected and discomfort is experienced, stop working immediately and consult a doctor.
- Wash contaminated clothing immediately after use.
- Do not eat, drink, or smoke while applying product or before washing hands and face.
- Bury all treated seed spilled on soil surface.
- Avoid contamination of other crops, grazing, rivers, dams and boreholes.
- Clean applicator and mixing utensils after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Destroy empty container in the prescribed manner.
- Do not use empty container for any other purpose.
- Mark bags containing treated seed clearly.
- Ensure that seed is planted well and completely covered by soil. Do not feed unused treated seed to birds and other animals. Do not contaminate water for household or irrigation use.
- This product is toxic to fish and aquatic invertebrates. Do not apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.
- Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

First Aid and Medical Treatment:

If poisoning is suspected, **IMMEDIATELY** contact a doctor or a poison control centre. Take container, label, or product name and product registration number with you when seeking medical attention.

- **If swallowed:** Call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.
- **If in eyes:** Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.
- **If on skin or clothing:** Take off contaminated clothing. Immediately rinse skin with plenty of water for 15 - 20 minutes. Call a poison control centre or doctor for treatment advice.
- **If inhaled:** Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

3. RELEVANT SUBSTANCES:

Chemical name	
difenoconazole	
Classification	Concentration (% w/w)
Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	≥ 2,5 - < 10
Chemical name	
alcohols, C16-18 and C18-unsatd., ethoxylated	
Classification	Concentration (% w/w)
Skin Irrit. 2; H315 Aquatic Chronic 3; H412	≥ 2,5 - < 10
Chemical name	
metalaxyl-M (ISO)	
Classification	Concentration (% w/w)
Acute Tox. 4; H302 Eye Dam. 1; H318	≥ 1 - < 3
Chemical name	
poly(oxy-1,2-ethanediyl), alphaphosphono- omega-[2,4,6-tris(1 phenylethyl)phenoxy]	
Classification	Concentration (% w/w)
Eye Irrit. 2; H319	≥ 1 - < 10
Chemical name	
1,2-benzisothiazol-3(2H)-one	
Classification	Concentration (% w/w)
Acute Tox. 4; H302	≥ 0,025 - < 0,05

1,2-benzisothiazol-3(2H)-one cont.	
Classification	Concentration (% w/w)
Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 M-Factor (Acute aquatic toxicity): 1	≥ 0,025 - < 0,05
Chemical name	
bronopol (INN)	
Classification	Concentration (% w/w)
Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 (Respiratory system) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1	≥ 0,025 - < 0,1

4. GENERAL INFORMATION:

DIVIDEND EXTREME is a systemic seed dressing fungicide in group code 3 and 4 that controls or suppresses certain seed-borne, soil-borne and early season foliar diseases of cereals and sweetcorn. It is a mixture of difenoconazole and mefenoxam. Difenoconazole is a systemic triazole fungicide active with a broad-spectrum anti-fungal activity. The product is taken up by the seed and translocated within the seedling. Mefenoxam is a systemic fungicide active with a specific mode of action with activity against Oomycete fungi such as *Pythium* spp. The formulation contains a colouring agent which will colour the treated seed.

5. RESISTANCE MANAGEMENT:

DIVIDEND EXTREME is a group code 3 and 4 fungicide. Any fungus population may contain individuals naturally resistant to **DIVIDEND EXTREME** and other group code 3 or 4 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly and exclusively in programs. These resistant fungi may not be controlled by **DIVIDEND EXTREME** or any other group code 3 or 4 fungicides.

To avoid fungicide resistance:

- Avoid exclusive repeated use of fungicides or insecticides from the same fungicide or insecticide group code. Alternate or tank mix with products from different fungicide or insecticide group codes.
- Refer to individual product labels when alternating products or when using tank mixtures.
- Integrate other control methods (chemical, cultural, biological) into disease control programs.

Development of resistance to fungicides and insecticides by seed and soil-borne disease pathogens or insects has been

documented. Consult your agricultural advisor or Syngenta 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 (Syngenta South Africa) or visit the FRAC website at <http://www.frac.info/frac/index.html>.

6. DIRECTIONS FOR USE: Use only as indicated.

6.1 Equipment

- **DIVIDEND EXTREME** can be applied on any continuous flow seed treatment equipment if the formulation is sprayed onto the seed through nozzles or spinning disks in a liquid mist chamber.
- Rotating drums or fluidised bed systems for film coating procedures are also recommended.
- On-farm equipment like concrete mixers, home-made applicators such as closed rotating drums can also be used.
- It is essential that any continuous flow seed treatment equipment should be calibrated with **DIVIDEND EXTREME**, as flow characteristics may not be the same as for other seed treatments.

6.2 Mixing Instructions

Preparation of the slurry:

- Apply **DIVIDEND EXTREME** as a water-based slurry utilizing standard slurry treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control.

When preparing the slurry the following procedure should be adopted:

- Fill the mixing tank with the required volume of clean water.
- Shake the product container before use. Add the required quantity of **DIVIDEND EXTREME** while stirring continuously.
- Maintain agitation of the slurry during the entire time of use.
- The slurry must be used within 24 hours after preparation.
- Clean all equipment after use.
- **DIVIDEND EXTREME** may reduce the flow of seed in a seed drill. Recalibrate the seed drill with treated seed before use.

Treatment procedure as slurry example:

Product + water = slurry (to be applied onto seed)

Crop: 66 ml + 1 000 ml = 1 066 ml/100 kg seed

Please optimise the water volume added to the slurry, depending on the crop to be treated.

For advice, please contact the Syngenta Seed Care Institute.

6.3 Tank Mixtures

- Confirm physical compatibility, seed safety, seed safety in stored seed, and biological efficacy before tank mixing with other seed treatment products.
- Follow the label RECOMMENDATIONS with the most restrictive use of label precautions and recommendations.
- This product cannot be mixed with any product containing a label prohibiting such mixing.

7. RECOMMENDATIONS:

BARLEY

Disease	Dosage
Seedling damping-off and root rot (<i>Pythium sp.</i>)	66 ml/100 kg seed

SWEETCORN

Disease	Dosage
Seedling damping-off and root rot (<i>Pythium sp.</i>)	70 ml/100 kg seed

WHEAT

Disease	Dosage
Seedling damping-off and root rot (<i>Pythium spp.</i>)	66 ml/100 kg seed
Stinking smut/common bunt (<i>Tilletia caries</i>) (<i>Tilletia foetida</i>)	33 ml/100 kg seed
Loose smut (<i>Ustilago tritici</i>)	

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