

ADAMA

GROUP 3 FUNGICIDE

F-Fungicide

**MAGANIC®**  
MAPP 21029

An emulsifiable concentrate formulation containing  
prothioconazole 175 g/l (16.06 % w/w) and difenoconazole 125 g/l (11.47 % w/w).  
Also contains 1-Octyl-2-pyrrolidinone and ethoxylated fatty alcohol.

A broad-spectrum fungicide for use on wheat, barley, rye, triticale, winter oilseed rape, sugar beet  
and fodder beet.

SHAKE WELL BEFORE USE

PROTECT FROM FROST

5 litres €

*The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.*

This label is compliant with the Voluntary Initiative Guidance (+symbol)

This product must be sold and used only in England, Scotland and Wales



## **Danger**

**Causes severe skin burns and eye damage.**

**May cause an allergic skin reaction.**

**Causes serious eye damage.**

**Very toxic to aquatic life with long lasting effects**

Keep out of reach of children.

Wear protective gloves, protective clothing, eye protection & face protection.

IF ON SKIN: Wash with plenty of soap and water

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present  
and easy to do - continue rinsing.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site  
except for empty, clean containers which can be disposed of as non-hazardous waste.

Protect from sunlight.

**To avoid risks to human health and the environment, comply with the instructions for use.**

## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose (litres product/ha)	Maximum number of applications	Latest time of application
Winter and spring wheat, rye and triticale	1	1 per crop	Up to and including the end of flowering (BBCH 69)
Winter and spring barley	1	1 per crop	Up to and including end of heading / inflorescence fully emerged (BBCH 59)
Winter oilseed rape	0.8	1 per crop	Before beginning of side shoot development (BBCH 20)
Sugar beet, fodder beet	0.8	1 per crop	Up to and including beet root has reached harvestable size (BBCH 49)

### Other specific restrictions:

Do not apply via hand-held equipment.

Use of this product on sugar beet crops must be in accordance with the Stewardship Scheme developed and maintained by Bayer and agreed with CRD.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

IMPORTANT: Note that goods treated under the terms of this Great Britain (GB) authorisation can be legally marketed in Northern Ireland if they are being moved under the Northern Ireland Retail Movement Scheme. All other treated goods can only be marketed in Northern Ireland if they are in accordance with the statutory EU Maximum Residue Level (MRL) set under Regulation No 396/2005. This may also apply to residues in animal products where treated crops are fed to livestock. Growers are advised to draw this to the attention of distributors and retailers so that EU MRL breaches and any associated enforcement against goods marketed in Northern Ireland are avoided.

**For advice on medical emergencies, fires or major spills telephone the National Chemical Emergency Centre on 01865 407333.**

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## SAFETY PRECAUTIONS

### Operator protection

*Engineering control of operator exposure must be used where reasonably practicable in addition to*

*the following personal protective equipment:*

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

Workers must wear suitable protective gloves\* when handling treated sugar beet crops or manually removing weed beet or bolted beet plants until 6 weeks post-treatment. \* Meeting at least glove safety standard EN374-1:2016 Type A and EN388:2016 (3 1 2 1 X).

*However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.*

WHEN USING DO NOT EAT DRINK OR SMOKE

WASH ANY CONTAMINATION from eyes immediately.

IF YOU FEEL UNWELL, seek medical advice (show label where possible).

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

### **Environmental protection**

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) Scheme. Before each spraying operation from a horizontal boom sprayer either a LERAP must be carried out in accordance with HSE's published guidance, or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

### **Storage and disposal**

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

KEEP OUT OF REACH OF CHILDREN

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

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**This leaflet is part of the approved label.**

## **DIRECTIONS FOR USE**

*IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.*

MAGANIC® is a fungicide recommended for the control of a wide range of diseases on all varieties of winter and spring wheat, winter and spring barley, rye, triticale, winter oilseed rape, sugar beet and fodder beet.

MAGANIC contains both a triazole and a triazolinthione fungicide. It has contact and systemic activity, with protectant properties.

## **RESTRICTIONS OR WARNINGS**

Crops should not be re-entered until spray residues are dry.

Maganic may cause chlorosis following application. However, these symptoms are transient and should have no impact on yield.

## **RESISTANCE MANAGEMENT**

MAGANIC is a co-formulated product containing difenoconazole and prothioconazole.

MAGANIC should be used in accordance with the instructions for use for the target diseases at the specific growth stages indicated.

Use MAGANIC as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate, other fungicides with a different mode of action.

Non-chemical measures such as resistant crop varieties, plant hygiene, and good agricultural practice should be taken into consideration to reduce the infection pressure of the target pathogens.

MAGANIC contains difenoconazole and prothioconazole which both belong to the FRAC Group 3 (DMI-fungicides (DeMethylation Inhibitors)).

Repeated application of DMI fungicides alone should not be used on the same crop against a high-risk pathogen such as cereal powdery mildew. Alternation with fungicides having a different mode of action (e.g. morpholines) have been shown to protect against the development of resistant forms of diseases. The possible development of disease strains resistance to DMI fungicides cannot be excluded or predicted. Where such resistant strains occur, MAGANIC is unlikely to give satisfactory control.

Strains of light leaf spot resistant to azole fungicides are known to exist. Light leaf spot can also occur simultaneously with phoma leaf spot. To avoid the development of resistance, when light leaf spot is also present avoid the use of azole-based fungicides.

Resistance to some DMI fungicides has been identified in *Septoria* leaf blotch (*Zymoseptoria tritici*) which may seriously affect the performance of some products. For further advice on resistance management in DMI's contact your agronomist or specialist advisor and visit the FRAG-UK website. Failure to follow resistance management action may result in reduced levels of disease control.

There is a significant risk of widespread resistance occurring in *Ramularia collo-cyni* populations to a number of different modes of action. Repeated use of products containing the same mode of action are unlikely to provide effective control of this disease. For further information on the resistance status of *Ramularia* contact your agronomist or specialist advisor and visit the FRAG-UK website.

Maganic should be used preventatively or in the earliest stages of disease development.

There is a significant risk of widespread resistance occurring in *Septoria tritici* populations in the UK. Failure to follow resistance management action may result in reduced levels of disease control.

In some regions of Europe, a reduced sensitivity to some DMI fungicides have been identified in Cercospora leaf spot (*Cercospora beticola*) which may affect the performance of some products containing DMIs.

You must not apply more than two foliar applications of products containing Sterol Biosynthesis Inhibitors to any sugar beet crop.

## **DISEASES CONTROLLED**

### **Wheat**

Leaf spot (*Zymoseptoria tritici*)

Brown rust (*Puccinia triticina*)

Ear complex diseases - Fusarium (*Fusarium spp.*) moderate control; and Head blight (*Microdochium nivale*) reduction.

### **Barley**

Leaf blotch (*Rhynchosporium secalis*)

Net blotch (*Pyrenophora teres*)

Brown rust (*Puccinia hordei*)

Ramularia leaf spot (*Ramularia collo - cygni*), moderate control

### **Rye**

Leaf blotch (*Rhynchosporium secalis*)

Brown rust (*Puccinia recondita*)

### **Triticale**

Leaf spot (*Zymoseptoria tritici*)

Brown rust (*Puccinia recondita*)

### **Winter oilseed rape**

Phoma leaf spot (*Leptosphaeria maculans*), moderate control.

### **Sugar beet, fodder beet**

Cercospora leaf spot (*Cercospora beticola*), moderate control.

Powdery mildew (*Erysiphe bete*), moderate control.

Ramularia leaf spot (*Ramularia beticola*), moderate control.

Rust (*Uromyces betae*), moderate control.

## **CROP SPECIFIC INFORMATION**

### **Time of application**

A maximum of one application of MAGANIC can be applied to any crop.

For best results apply MAGANIC as a protectant treatment.

### **Cereals (foliar diseases)**

Apply before disease is established in the crop, applications to upper leaves where disease symptoms are already present are likely to be less effective.

A second application of an alternative product may be needed as part of a spray program where MAGANIC has been used at either an early or late application timing.

### **Winter and spring wheat, rye and triticale**

To protect the upper leaves and ear, apply MAGANIC at full flag leaf emergence (BBCH 39) up to the end of flowering (BBCH 69) on wheat, rye and triticale. Applications to upper leaves where disease symptoms are already present are likely to be less effective.

#### Winter and spring barley

Apply MAGANIC from the flag leaf stage (BBCH 39) up to and including end of heading/inflorescence fully emerged (BBCH 59) in barley.

#### Wheat (ear diseases)

Apply MAGANIC soon after ear emergence until the end of flowering (BBCH 59-69) for moderate control of *Fusarium* ear blight. Control of ear diseases can result in cleaner, brighter ears. Through the reduction of ear blight, MAGANIC effectively reduces the level of the *Fusarium* mycotoxin deoxynivalenol (DON) in wheat grain. However, where *Fusarium* levels are high, the reduction achieved may not always be sufficient to ensure that DON levels fall below the statutory limit.

#### Winter oilseed rape (foliar diseases)

Phoma leaf spot – apply MAGANIC in autumn at the first sign of disease, from four true leaves to before beginning of side shoot development (BBCH 14-20).

#### Sugar beet and fodder beet

Apply MAGANIC from crop cover complete where leaves cover 90% of ground (BBCH 39) up until beet root has reached a harvestable size (BBCH 49).

### **RATE OF USE**

For all cereal crops apply MAGANIC at 1.0 L/ha in a water volume of 150-400 L/ha. For winter oilseed rape apply at 0.8 L/ha in a water volume of 150-400 L/ha. For use on sugar beet and fodder beet apply MAGANIC at 0.8 L/ha in a water volume of 200 – 400 L/ha.

Apply as a medium spray as defined by the BCPC.

### **MIXING AND SPRAYING**

Ensure the sprayer is clean and in good working order. Calibrate according to the sprayer manufacturer's recommendations.

Half-fill the spray tank with clean water and begin agitation. Shake the container and add the required amount of MAGANIC to the sprayer using a filling device (e.g. induction bowl or closed transfer unit) or by direct addition to the sprayer tank. Add the rest of the water and continue to agitate the mixture thoroughly. Always agitate during spraying.

Do not leave the sprayer standing with the spray mixture in it for a long period of time.

After spraying, wash out sprayer thoroughly according to manufacturer's guidelines and dispose of washings and clean containers according to the DEFRA Code of Practice and local authority guidelines.

#### **Spraying**

Ensure that the sprayer boom is adjusted in height so that the spray pattern gives good, even cover.

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## COMPANY ADVISORY INFORMATION

*This section is not part of the Product Label under the Plant Protection Products Regulations and provides additional advice on product use at the discretion of ADAMA Agricultural Solutions UK Ltd.*

### DISCLAIMER/CONDITIONS OF SUPPLY

The specified properties of our products and the mode of application stated on this label have been established on the basis of research and experience. Products conform to specification at the time of delivery but, as we exercise no control over their subsequent storage, handling, mixing or use or the weather conditions before, during and after application, all of which may affect the performance of the products, no responsibility or liability will be accepted by us or our re-sellers for any failure in performance, damage or injury to person or property whatsoever arising from the storage, handling, application or use of the products. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in or make recommendations concerning the use of such products. We recommend you contact your dealer to request advice on the suitability of this product for any new and/or unusual growing methods or for new varieties not listed on this label.

ADAMA Agricultural Solutions UK Ltd  
Third Floor East  
1410 Arlington Business Park  
Theale  
Reading  
RG7 4SA  
Tel: 01635 860555  
Technical Helpline: 01635 876622  
[www.adama.com](http://www.adama.com)  
Email: [ukenquiries@adama.com](mailto:ukenquiries@adama.com)

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[QR CODE](#) - scan for safety data sheet or use weblink: <https://bit.ly/4hiYm8L>. Alternatively, contact your supplier.