

# PRIZM<sup>®</sup>

MAPP 18940

A fungicide for the control of *Zymoseptoria tritici*, *Phaeosphaeria nodorum*, brown rust, yellow rust, powdery mildew and *Fusarium* spp. in winter and spring wheat, net blotch, *Rhynchosporium secalis*, *Ramularia collo-cyni*, brown rust and powdery mildew on winter and spring barley, brown rust and *Rhynchosporium secalis* on rye and *Septoria* spp, brown rust, yellow rust and powdery mildew on triticale.

A suspension concentrate containing 150 g/l (13.5% w/w) prothioconazole and 125 g/l (11.2% w/w) isopyrazam.

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## Warning

**Causes serious eye irritation. Suspected of damaging the unborn child.**

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

**Contains isopyrazam and 1,2-benzisothiazol-3-one. May produce an allergic reaction.**

Keep out of reach of children.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wash contaminated body parts thoroughly after handling.

Wear protective gloves/ protective clothing/ eye protection/face protection.

**IF IN EYES:** Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do so. Continue rinsing.

If exposed or concerned: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

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.

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

FR R3.0.1 FEB19

5 litres e

To access the Safety Data Sheet for this product scan the QR code or use the weblink: <https://bit.ly/2Lev8sH>  
- Alternatively, contact your supplier.



Scan for  
Safety Data  
Sheet

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# PRIZM®

## MAPP 18940

### SHAKE WELL BEFORE USE

### PROTECT FROM FROST

### DIRECTIONS FOR USE:

full instructions in this leaflet.

Batch No.: see packaging

**Adama Agricultural Solutions UK Ltd**

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Telephone: 01635 860555 | Technical Helpline: 01635 876622

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

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

▶ OPEN HERE

## 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.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) and SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product.

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

WASH SPLASHES from skin immediately. WASH HANDS AND EXPOSED SKIN before meals and after work.

### Environmental protection

To protect aquatic organisms, respect an unsprayed buffer zone distance to surface water bodies in line with LERAP requirements. DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 6 metres of the top of the bank of a static or flowing waterbody, 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 IS NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) Scheme. Before each spraying operation from a horizontal boom

sprayer or broadcast air assisted sprayer either a LERAP must be carried out in accordance with CRD 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. 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.

### Storage and disposal

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely. KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely.

## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL FUNGICIDE

**Crops:** Winter & spring wheat, rye and triticale, winter & spring barley.

**Maximum individual dose (litres/hectare/crop)**

**Maximum number of applications**

**Latest time of application**

**Other specific restrictions**

**Aquatic buffer zone distance**

Full details are given in the information box within this leaflet

**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.**

## This leaflet is part of the approved label.

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# IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose (litres/hectare/crop)	Maximum number of applications	Latest time of application	Aquatic buffer zone distance (metres)
Wheat, rye and triticale	1.0	Two per crop	GS 69	6
Barley	1.0	Two per crop	GS 59	6

## Other specific restrictions

Do not apply by hand-held equipment.

A minimum of 14 days must be observed between applications.

The earliest time of application is GS 31. The second application must be made after GS 40.

No more than two applications of products containing SDH inhibitors must be applied to any cereal crop.

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EMPTY CONTAINER COMPLETELY and dispose of safely.

## DIRECTIONS FOR USE

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

### GENERAL INFORMATION

Isopyrazam is an orthosubstituted pyrazole carboxamide fungicide belonging to the sub-class of the benzonorbornenes. Isopyrazam is an SDH inhibitor (FRAC group #7 carboxamides). Isopyrazam is predominantly protectant but has significant biochemical potency and can deliver disease control away from the point of application.

Prothioconazole is a triazole (DMI) fungicide.

Prothioconazole is a systemic fungicide with protectant and curative properties.

PRIZM® shows good crop safety and disease control which can result in significant yield benefits. Wheat crops may show some transient bleaching after treatment but this is unlikely to have an effect on yield.

PRIZM is best used as a protectant treatment or in the earliest stages of disease development.

### RESISTANCE MANAGEMENT

Use PRIZM 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.

You must not apply more than two foliar applications of products containing SDH inhibitors to any cereal crop. Users should refer to current FRAG-UK guidelines for SDHI compounds.

PRIZM contains a DMI fungicide. 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 DMIs contact your agronomist or specialist advisor and visit the FRAG-UK website.

Disease control may be reduced if strains of pathogens less sensitive to PRIZM develop.

### DISEASES CONTROLLED

#### Winter and spring wheat

Leaf spot (*Zymoseptoria tritici*)  
Glume blotch (*Phaeosphaeria nodorum*) – moderate control  
Yellow rust (*Puccinia striiformis*)  
Brown rust (*Puccinia triticina*)  
Powdery mildew (*Erysiphe graminis*) – moderate control  
*Fusarium* spp.

#### Triticale

*Septoria* spp.  
Yellow rust (*Puccinia striiformis*)  
Brown rust (*Puccinia recondite*)  
Powdery mildew (*Erysiphe graminis*)

#### Winter and spring barley

Net blotch (*Pyrenophora teres*)  
Brown rust (*Puccinia hordei*)  
*Ramularia collo-cygni* – moderate control  
Leaf blotch (*Rhynchosporium secalis*)  
Powdery mildew (*Erysiphe graminis*) – winter sown crops only

#### Winter rye

Brown rust (*Puccinia recondite*)  
Leaf blotch (*Rhynchosporium secalis*)

### CROP SPECIFIC INFORMATION

#### Crops and growing conditions

PRIZM can be used on all varieties of winter and spring wheat, winter and spring barley, rye and triticale. Apply PRIZM under good growing conditions with adequate soil moisture. Avoid poor growing conditions which may give less reliable results.

## Timing

Apply PRIZM soon after ear emergence until the end of flowering (GS 59-69) for control of *Fusarium* ear blight in wheat.

Always inspect crops to assess disease development immediately before spraying. Best results will be achieved from applications made as a protectant treatment or in the earliest stages of disease development following a disease risk assessment or the use of appropriate decision support systems.

PRIZM is accepted by BBPA (British Beer and Pub Association) for use on malting barley provided application is made before the start of ear emergence. Latest timing in malting barley is therefore up to and including awn emergence.

## RATE OF USE

Apply PRIZM at 1.0 litres per hectare. The earliest time of application is BBCH GS 31. If a second application is required then this must be made after BBCH 40.

## FOLLOWING CROPS

There are no restrictions on succeeding crops in a normal rotation.

## MIXING AND SPRAYING

### Mixing procedure

Make sure the sprayer is set to give an even application at the correct volume. Fill the spray tank with half the required volume of water and begin agitation. Add the required amount of PRIZM to the spray tank and allow to disperse before adding any other product. Add the rest of the water and continue to agitate the mixture thoroughly. Always agitate during spraying.

### Spray quality

Apply PRIZM using a conventional fan nozzle producing a medium spray quality as defined by the British Crop Protection Council. A spray pressure of 2-3 bar is recommended.

### Spray volume

Apply PRIZM in a recommended 100-400 litres of water per hectare through conventional crop spraying equipment. The higher spray volumes are recommended where the crop is dense or disease pressure/risk is high to ensure good penetration to the lower leaves and stem bases. Disease control may be compromised by reducing water volumes, where good spray coverage is difficult to achieve.

## After spraying

Thoroughly wash out sprayer according to manufacturer's guidelines and dispose of washing and clean containers according to DEFRA Code of Practice and local water authority guidelines.

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

## 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.

## Marketed by

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