

PRIZM®

PCS 05307

SHAKE WELL BEFORE USE PROTECT FROM FROST

Batch No.: see packaging

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**For advice on medical emergencies, fires or major spills telephone the
UK National Chemical Emergency Centre on +44 (0)1865 407333**

DIRECTIONS FOR USE: full instructions in this leaflet.

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.

WASH SPLASHES from skin immediately.

WASH HANDS AND EXPOSED SKIN before meals 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.

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

Crop	Maximum individual dose (litres/hectare/crop)	Maximum number of applications	Latest time of application
Winter wheat, rye and triticale	1.0	Two per crop	Before grain watery ripe stage (GS 71)
Barley (winter & spring)	1.0	Two per crop	Before beginning of flowering (GS 61)

Other specific restrictions:

This product must not be applied via hand-held equipment.

A minimum of 14 days must be observed between applications.

The earliest time of application is GS 30. 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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A fungicide for the control of *Zymoseptoria tritici*, *Phaeosphaeria nodorum*, brown rust, yellow rust, powdery mildew and *Fusarium* spp. in winter 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* leaf blotch, glume blotch, brown 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.

SAFETY INFORMATION

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.

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

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.

Collect spillage.

Store locked up.

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

To protect aquatic organisms respect an unsprayed buffer zone of 5 m to surface water bodies.

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

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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

Isoprazam is an orthosubstituted pyrazole carboxamide fungicide belonging to the sub-class of the benzonorbornenes. Isoprazam is an SDH inhibitor (FRAC group #7 carboxamides). Isoprazam 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 wheat

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

Triticale

Septoria leaf blotch (*Zymoseptoria tritici*) – moderate control
Glume blotch (*Phaeosphaeria nodorum*) – moderate control
Brown rust (*Puccinia recondite*)
Powdery mildew (*Erysiphe graminis*)

Winter and spring barley

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

Winter rye

Brown rust (*Puccinia recondite*)
Leaf scald (*Rhynchosporium secalis*) – moderate control

CROP SPECIFIC INFORMATION

Crops and growing conditions

PRIZM can be used on all varieties of winter wheat and 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 30. 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

For use by tractor mounted/trailed sprayer only.

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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