



Macfare[®]

Xpro

5 L e

GROUP 3 | 7 FUNGICIDES

For Professional use only

A fungicide for the control of foliar diseases in winter and spring barley, oats and control of stem-base, foliar and ear diseases in wheat.

In cereal crops Macfare can increase chlorophyll content/ photosynthesis in treated plants, and extend duration of green leaf area retention, for yield increase above that resulting from disease control alone.

An emulsifiable concentrate formulation containing 65 g/L (6.4% w/w) bixafen, 65 g/L (6.4% w/w) fluopyram and 130 g/L (12.7% w/w) prothioconazole.

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Safety information

MACFARE XPRO

UFI: VTK0-00WY-Q00D-QNPH

Contains 65 g/L (6.4% w/w) bixafen,
65 g/L (6.4% w/w) fluopyram,
130 g/L (12.7% w/w) prothioconazole
and N,N-Dimethyl decanamide.



DANGER

Harmful if swallowed.

May cause an allergic skin reaction.
Cause serious eye damage.

May cause respiratory irritation

Very toxic to aquatic life with long
lasting effects.

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. Continue rinsing.
Immediately call a POISON CENTER or
doctor/physician.

Collect spillage.

Protect from sunlight

Dispose of contents/container to a licensed
hazardous-waste disposal contractor or
collection site except for triple rinsed empty
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**

PCS No. 06521

COVER



SAFETY PRECAUTIONS

Operator Protection

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

Avoid breathing spray.

IF ON SKIN: Wash with soap and water.

Take off contaminated clothing and wash before reuse.

Collect spillage.

Environmental Protection

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

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

Storage and Disposal

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

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. Triple rinsed containers should be punctured to prevent re-use and may be disposed of by an authorised contractor or at a municipal waste recycling site.

DO NOT RE-USE CONTAINER for any purpose.

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

PROTECT FROM FROST.



To access the **Safety Data Sheet** for this product scan the code or use the link below:

www.bayercropscience.ie/sds/macfarepro.pdf

or alternatively contact your supplier

IE86783959d rA2a

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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 read carefully in order to obtain safe and successful use of this product.

Macfare Xpro is a mixture of two SDHI fungicides from different chemical groups and a triazolothione fungicide recommended for control of a wide range of diseases in barley, oats and wheat.

PROTECT FROM FROST

RATE OF USE

Crop	Maximum individual dose	Maximum number of applications	Latest time of application
Winter and spring barley and oats	1.2 litres product per hectare	1 per crop	Up to beginning of flowering (BBCH 61)
Winter and spring wheat.	1.5 litres product per hectare	2 per crop	Up to beginning of flowering (BBCH 61)

Other specific restrictions

A maximum of 2 foliar applications of product(s) containing SDHIs can be applied to any cereal crop.

Method of application: Tractor mounted sprayer

A spray pressure of 1–3 bar is recommended. Apply Macfare Xpro in 100–300 litres of water per hectare.

Apply as a medium spray quality.

CROPS

Macfare Xpro may be used on all commercial varieties of winter and spring barley, oats and wheat.

APPLICATION

Water Volume

Apply Macfare Xpro in 100–300 litres of water per hectare. The higher spray volumes are recommended where the crop is dense 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.

Mixing

Thoroughly shake the pack before use.

Add the required quantity of Macfare Xpro to the half-filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.

General

Sprayers should be thoroughly cleaned with water and detergent after use, and filters and jets checked for damage and blockages.

Boom height should be adjusted to ensure even coverage of the crop, particularly at later growth stages. The correct height is one at which the spray from alternate nozzles meets just above the crop, in dense crops, at later growth stages, higher water volumes should be used.

DISEASES CONTROLLED

	Barley	Oats	Wheat
Eyespot (<i>Oculimacula</i> spp.)			R
Septoria Leaf Blotch (<i>Mycosphaerella graminicola</i>)			C
Glume Blotch (<i>Septoria nodorum</i>)			C
Powdery Mildew (<i>Blumeria graminis</i>)	C	C	C
Yellow Rust	C		C
Brown Rust	C		C
Crown Rust		C	
Tan Spot			C
<i>Rhynchosporium</i> Leaf blotch	MC		
Net blotch (<i>Pyrenophora teres</i>)	MC		
<i>Ramularia</i> (<i>R. collo-cygni</i>)	MC		
<i>Fusarium</i> Ear blight			MC
C = Control MC =Moderate control R= Reduction			

APPLICATION TIMING

Only one application of Macfare Xpro is permitted in barley and oats. For severe infections of foliar diseases a second application of another effective product may be necessary 2-3 weeks later.

The maximum number of treatments is 2 per crop in wheat.

Eyespot (*Oculimacula* spp.)

Spray in the spring at the first sign of disease, from when the leaf sheaths begin to become erect until the 2nd node is detectable (GS 30-32).

Septoria Leaf Blotch and Glume Blotch (*Mycosphaerella graminicola* and *Stagonospora nodorum*)

Apply before disease is established in the crop. To protect the upper leaves and ear apply Macfare Xpro at full flag leaf emergence (GS 37) up to flowering (GS 61). Where disease pressure remains high application may be repeated. Applications to upper leaves where *M. graminicola* symptoms are present are likely to be less effective.

Powdery Mildew (*Blumeria graminis*)

Apply Macfare Xpro at the first signs of disease. Where disease pressure remains high, application may be repeated.

Yellow Rust (*Puccinia striiformis*), Brown Rust (*P. hordei*)

Apply Macfare Xpro at the first signs of disease. A second application may be made 2-3 weeks later if re-infection occurs in wheat. Applications made to established infections are likely to be less effective.

Crown Rust (*P. coronata*)

Apply Macfare Xpro at the first signs of disease. Applications made to established infections are likely to be less effective.

Tan Spot (*Pyrenophora tritici-repentis*)

Apply Macfare Xpro at the first signs of disease in spring or early summer. Where disease pressure remains high application may be repeated.

Leaf Blotch (*Rhynchosporium secalis*) and Net Blotch (*Pyrenophora teres*)

Apply Macfare Xpro in spring at the first signs of disease. For severe infections a second application of another effective product may be necessary 2-3 weeks later.

Ramularia (*Ramularia collo-cygni*)

Apply Macfare Xpro at the first signs of disease. Applications made to established infections are likely to be less effective.

Ear Disease Complex

Apply Macfare Xpro soon after ear emergence until the beginning of flowering (GS 59-61) for moderate control of *Fusarium* ear blight in wheat.

RESISTANCE STRATEGY

Macfare Xpro is a formulated mixture of a triazole fungicide and two SDHIs from different chemical groups.

Isolates of certain cereal diseases with decreased sensitivity to DMI fungicides are known to exist. Where these occur or develop Macfare Xpro may not give satisfactory control.

Isolates of *Septoria* leaf blotch with reduced sensitivity to SDHI fungicides have been detected. Where such resistant isolates occur, SDHI's are unlikely to give satisfactory control.

Mixtures of two or more SDHI fungicides do not provide an anti-resistance strategy. Each application of such a mixture counts as one SDHI application.

Tank mixtures or alternation with fungicides having a different mode of action against the diseases present have been shown to protect against the development of resistant forms of disease.

Do not tank mix Macfare Xpro with other SDHI containing fungicide formulations.

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

Use Macfare Xpro as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control.

For further advice on resistance management contact your agronomist or specialist advisor and visit the FRAG-UK website.

CAUTION: The possible development of disease strains resistant to Macfare Xpro cannot be excluded or predicted. Where such resistant strains occur, Macfare Xpro is unlikely to give satisfactory control.

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