

Gleam[®]

An emulsifiable concentrate containing 37.5 g/l epoxiconazole and 27.5 g/l metconazole.

A fungicide for use in winter and spring wheat, durum wheat, winter and spring barley, rye and triticale

Risk and Safety Information

Danger:

May cause an allergic skin reaction.

Suspected of causing cancer.

May damage the unborn child.

Suspected of damaging fertility

Very toxic to aquatic life with long lasting effects.

Wear protective gloves/clothing.

Avoid breathing mist.

If exposed or concerned: call a poison centre or doctor/physician.

Store locked up.

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

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

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

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PCS No. 04420

Supplied by:
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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) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or contaminated surfaces.

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.

DO NOT ALLOW DIRECT SPRAY from ground crop sprayers to fall within 5m of the top of the bank of a static or flowing waterbody or within 1m of a ditch which is dry at the time of application. Direct spray away from water.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

DO NOT RE-USE CONTAINER for any other purpose.

STORE IN ORIGINAL CONTAINER tightly closed, in a safe place.

On emptying the container, 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 container safely.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE, as directed below:

Crops	Maximum individual dose	Maximum total dose	Latest time of application
Wheat (winter)	3.0 litres product per hectare	6.0 litres product per hectare	Crop GS 69 (end of flowering)
Wheat (spring)			
Wheat (durum)			
Rye			
Triticale			
Barley (winter)	3.0 litres product per hectare	6.0 litres product per hectare	Crop GS 59 (end of ear emergence)
Barley (spring)			

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE.

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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.

GLEAM is a broad spectrum systemic fungicide with protectant and curative properties for use in winter and spring wheat, durum wheat, winter and spring barley, rye and triticale.

1. Restrictions/Warnings

For professional use only.

For use by tractor mounted/trailed sprayers only.

This product may cause damage to broad-leaved plant species.

Avoid spray drift onto neighbouring crops.

Wash equipment thoroughly after use.

When applied to barley intended for malting, refer to the latest timing restrictions for epoxiconazole given by the British Beer and Pub Association.

2. Disease Control

GLEAM is a systemic fungicide with protectant and curative properties for the control of a range of diseases in winter and spring wheat, durum wheat, winter and spring barley, rye and triticale as summarised below:

Gleam offers prolonged persistence of disease control leading to increased yield.

2.1 Disease susceptibility

	Winter wheat	Spring wheat	Winter barley	Spring barley	Durum wheat	Rye	Triticale
Powdery mildew	MC	MC	MC	MC	MC	MC	MC
<i>Septoria tritici</i>	MC	MC	-	-	MC	-	MC
<i>Septoria nodorum</i>	MC	MC	-	-	MC	-	MC
Yellow rust	C	C	C	C	C	C	C
Brown rust	C	C	C	C	C	C	C
Tan spot	R	R	-	-	R	-	-
Net blotch	-	-	MC	MC	-	-	-
<i>Rhynchosporium</i>	-	-	MC	MC	-	R	-
<i>Ramularia</i>	-	-	R	R	-	-	-
Eyespot	R	-	R	-	R	R	R
<i>Fusarium</i> ear blight (1)	R	R	-	-	R	-	R
Sooty moulds (<i>Cladosporium</i> , <i>Botrytis</i>)	R	R	-	-	R	-	-

(1) Application of GLEAM to ears of wheat and triticale can lead to reduction of the levels of the mycotoxin deoxynivalenol (DON) associated with *Fusarium* ear blight infection, but this level of effect may not necessarily lead to reduction of DON below the statutory limit in wheat and triticale grain.

C = Control
MC = Moderate control

GR = good reduction
R = Reduction

2.2 Resistance management

Strains of certain diseases with decreased sensitivity to triazole fungicides are known to exist. Where these occur or develop, GLEAM may not give satisfactory control.

GLEAM contains the DMI fungicides epoxiconazole and metconazole. Resistance to some DMI fungicides has been identified in Septoria leaf blotch (*Mycosphaerella graminicola*) which may seriously affect the performance of some products. For further advice on resistance management with DMIs contact your agronomist or specialist advisor, and visit the FRAG-UK website.

A strategy for managing resistance should be adopted. Guidelines have been produced by the Fungicide Resistance Action Committee (FRAC) and copies are available from your distributor, crop adviser or product manufacturer.

3. Crop specific information

3.1 Crops

GLEAM may be used on all varieties of winter and spring wheat, durum wheat, winter and spring barley, rye and triticale.

3.2 Time of application

Apply GLEAM at the start of disease attack. Applications in wheat, rye and triticale can be made up to the end of flowering (GS 69). Applications in barley can be made up to the end of ear emergence (GS 59).

For optimum effect against eyespot with GLEAM apply between the leaf sheaths erect and second node detectable stages of the crop.

For protection against Fusarium ear blight and sooty moulds on the ears of winter and spring wheat and triticale, apply GLEAM during ear emergence.

3.3 Rate of application

Apply 3 litres of GLEAM in 150 to 300 litres of water per hectare.

Gleam may be applied at 3 litres per hectare in 100 litres water per hectare although efficacy at this reduced volume has not been evaluated. Therefore application at 100 litres water per hectare is at user's risk with regard to biological efficacy.

4. Following crops

After treating a cereal crop with GLEAM, oilseed rape, cereals, sugar beet, linseed, maize, clover, beans, peas, carrots, potatoes, lettuce, cabbage, sunflower, ryegrass and onions may be sown as the following crops. The effect of GLEAM on other crops has not been assessed.

5. Mixing and Spraying

5.1 Mixing

Never prepare more spray solution than is required.

Fill the tank half full with water and start the agitation. To ensure thorough mixing of the product, invert the container several times before opening. Add the required quantity of GLEAM to the spray tank while re-circulating. Fill up the tank with water and continue agitation until spraying is completed.

When tank mixes are to be used, take due note of any instructions given as to the order of mixing. Each product should be added separately to the spray tank and fully dispersed before the addition of any further product(s). All tank mixes should be used immediately after mixing.

On emptying the container, 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 container safely.

5.2 Application

Apply as a MEDIUM spray as defined by BCPC.

5.3 Sprayer cleaning

After spraying, thoroughly clean and flush out application machinery with a minimum of three rinses.

6. Compatibility

For information on compatibilities, contact BASF Technical Hotline 0044 (0) 845 602 2553.

The following does not form part of the product label under S.I. No. 159 of 2012.

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop and use connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity the BASF recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable, factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts, admixture with other products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage to plants cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use; but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of the Unfair Contract Terms Act 1977 or any similar applicable law.

Safety Data Sheet

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



http://www.agricentre.basf.ie/go/Gleam_sds

Alternatively, contact your supplier.

EXCISE

Gleam®

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