

LS BIXAF-PROTI

FUNGICIDE

GROUP 3 | 7 FUNGICIDE

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For the control of certain diseases in approved cereal crops. See detailed label text for specific crop approval information.

**WINTER WHEAT, SPRING WHEAT,
RYE, TRITICALE**

PCS No. 07113

75 g/L bixafen, 150 g/L prothioconazole
Emulsifiable Concentrate (EC)

5L

NET CONTENT:

FOR USE ONLY AS A PROFESSIONAL FUNGICIDE

lifescientific 
FIRST TO MARKET

WARNING



Causes serious eye irritation.

May cause respiratory irritation.

Very toxic to aquatic life with long lasting effects.

Keep out of reach of children.

Avoid breathing dust/fumes/gas/mist/vapours/spray.

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.

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 triple rinsed empty containers which can be disposed of as non-hazardous waste.

Contains 2-[2(1-chlorocyclopropyl)-2-hydroxy-3-phenylpropyl]-2,4-dihydro-3H-1,2,3-triazole-3-thione. May cause an allergic reaction.

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

PCS No. 07113

FOR PROFESSIONAL USE ONLY

UFI: 3WM5-JJRN-240E-D7X6

XXXXXXXXXXXX_V1

LS BIXAF-PROTI - PCS No. 07113

Contains BIXAFEN 75 g/L (7.4% w/w) + PROTHIOCONAZOLE 150 g/L (14.8% w/w) as an emulsifiable concentrate (EC).

LS BIXAF-PROTI is a fungicide for selective use in winter wheat, spring wheat, rye and triticale crops.

**Important Information
FOR USE ONLY AS A PROFESSIONAL FUNGICIDE**

Crops	Maximum individual dose (L product per hectare)	Maximum total dose (L product per hectare)	Maximum number of treatments	Latest time of application
Wheat (winter and spring)	1.25 L/ha	2.5 L/ha	2	Crop BBCH 73 (before grain milky ripe stage)
Triticale, rye	1.25 L/ha	2.5 L/ha	2	Crop BBCH 73 (before grain milky ripe stage)
READ ALL PRECAUTIONS BEFORE USE				



APPROVAL HOLDER AND MARKETING COMPANY:

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Tel: +353 2832024

In case of Emergency:
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Tel. NPIC +353 1 809 2566 (Healthcare Professionals)

**PROTECT FROM FROST
MADE IN EU
SHAKE WELL BEFORE USE**

Production date / Batch number: see packaging



V1_XXXXXXXXXX

PEEL BACK FOR DIRECTIONS FOR USE LEAFLET

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 (FACE SHIELD) when handling the concentrate.

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

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

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH ANY CONTAMINATION from eyes immediately.

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).

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

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

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 container safely. Triple rinsed containers should be punctured to prevent reuse and may be disposed of by an authorised contractor.

Do not reuse container for any other purpose.

Use appropriate containment to avoid environmental contamination.

PROTECT FROM FROST

Resistance strategy

LS BIXAF-PROTI contains active substances which are in the Fungicide Resistance Action Committee mode of action Groups 3 and 7; it includes Bixafen (an SDHI fungicide) and Prothioconazole (a DMI fungicide).

Resistance against these types of chemistry is known for several fungal species in field populations and lab mutants. A resistance management strategy is required.

Repeated applications of products with this mode of action should not be used against medium risk pathogens such as Septoria.

Follow the FRAC SDHI fungicide resistance management guidelines:

- Apply SDHI fungicides always in mixtures; LS BIXAF-PROTI is such a mixture.
- Apply a maximum of 2 SDHI fungicide containing sprays per cereal crop.
- Apply the SDHI fungicide preventatively or as early as possible in the disease cycle. Do not rely only on the curative potential of SDHI fungicides.
- Strongly reduced rate programmes including multiple applications must not be used. Refer to manufacturers' recommendations for rates.

Restrictions:

Ensure the sprayer is free from residues from previous applications.

For professional use only.

For use by tractor mounted/trailed sprayers only.

Avoid spray drift on to neighbouring crops and field margins.

After spraying, wash out sprayer thoroughly according to manufacturer's guidelines and dispose of washings and clean container according to local authority guidelines.

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.

LS BIXAF-PROTI is a selective, protectant, and systemic fungicide. Up to two applications may be made to any individual crop, as part of a planned disease control programme.

Diseases Controlled

The following diseases are susceptible to LS BIXAF-PROTI. The susceptibility ratings in the following table refer to good spray cover and good growing conditions, with suitable application timings.

Disease controlled	Common name	Crops	Control level achieved
<i>Puccinia recondita</i>	Brown rust	Winter wheat, spring wheat, rye, triticale	Control
<i>Oculimacula spp.</i>	Eyespot	Winter wheat, spring wheat, rye, triticale	Reduction
<i>Fusarium spp.</i>	Fusarium ear blight	Winter wheat, spring wheat, triticale	Moderate control
<i>Septoria nodorum</i>	Glume blotch	Winter wheat, spring wheat, rye	Moderate control
<i>Blumeria graminis</i>	Powdery mildew	Winter wheat, spring wheat, rye, triticale	Control
<i>Rhynchosporium secalis</i>	Leaf blotch	Rye, triticale	Control
<i>Mycosphaerella graminicola</i>	Septoria leaf blotch	Winter wheat, spring wheat, rye, triticale	Moderate control
<i>Cladosporium spp.</i> , <i>Botrytis spp.</i>	Sooty moulds	Winter wheat, spring wheat, triticale	Reduction
<i>Pyrenophora tritici-repentis</i>	Tan spot	Winter wheat, spring wheat	Control
<i>Puccinia striiformis</i>	Yellow rust	Winter wheat, spring wheat, triticale	Control

Control of some diseases may be enhanced by the use of suitable spray programmes and mixtures.

Application timings

In general, application of LS BIXAF-PROTI should be made at the first signs of disease in spring or early summer. Applications to established disease infection will be less effective.

Where disease pressure remains high after application, a second spray may be made 14-21 days after the first.

Common name	Crops	Optimum application timing
Brown rust	Winter wheat, spring wheat, rye, triticale	Apply at the first sign of disease. A second application may be made 2-3 weeks later if re-infection occurs. Applications made to established infections are likely to be less effective.
Eyespot	Winter wheat, spring wheat, rye, triticale	Apply in spring, at the first sign of disease, from crop BBCH 30-32.
Fusarium ear blight	Winter wheat, spring wheat, triticale	Apply between ear emergence and the end of flowering (crop BBCH 59-69).
Glume blotch	Winter wheat, spring wheat, rye	Apply before disease is established in the crop. Best protectant activity comes from applications between crop BBCH 37 and 65 (flag leaf emergence to mid-flowering).

Common name	Crops	Optimum application timing
Powdery mildew	Winter wheat, spring wheat, rye, triticale	Apply at the first sign of disease.
Rhynchosporium leaf blotch	Rye	Apply at the first sign of disease.
Septoria leaf blotch	Winter wheat, spring wheat, rye, triticale	Apply before disease is established in the crop. Best protectant activity comes from applications between crop BBCH 37 and 65 (flag leaf emergence to mid-flowering). A second application may be made 2-3 weeks later if re-infection occurs. Applications made to established infections are likely to be less effective.
Sooty moulds	Winter wheat, spring wheat, triticale	Apply between ear emergence and the end of flowering (crop BBCH 59-69).
Tan spot	Winter wheat, spring wheat	Apply at the first sign of disease.
Yellow rust	Winter wheat, spring wheat, triticale	Apply at the first sign of disease. A second application may be made 2-3 weeks later if re-infection occurs. Applications made to established infections are likely to be less effective.

PREPARATION OF THE SPRAY SOLUTION AND APPLICATION

LS BIXAF-PROTI is not to be applied through backpack or hand-held sprayers.

Shake the container before use.

Half-fill the spray tank with clean water, add the necessary amount of LS BIXAF-PROTI and agitate while filling the tank.

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.

Do not leave spray solution in the tank overnight.

Good spray solution is necessary for effective control.

Apply at medium spray quality, through properly calibrated equipment.

Water volume

Apply LS BIXAF-PROTI in 100-300 L/ha of water. Good crop coverage and crop penetration are required for good disease control; therefore control may be reduced with lower water volumes.

COMPATIBILITY

LS BIXAF-PROTI is a fully optimised formulation; no additional surfactant is required.

Please contact your distributor for further information regarding tank-mix partners.

SPRAY TANK CLEANING

Wash all equipment immediately after use, using clean water and a suitable cleaning agent, according to the manufacturer's instructions.

CONDITIONS OF SUPPLY

All goods supplied by the company are of good quality and we believe them to be fit for purpose. However, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during or after application, which may affect the performance of the goods, 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 or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.