



Protendo[®] Extra

Contents: **5L**e



A fungicide for the control of stem-base, foliar and ear diseases in winter and spring wheat (also reduction of the mycotoxin deoxynivalenol), winter rye, winter and spring barley, winter and spring oats and oilseed rape.

An emulsifiable concentrate formulation containing 125 g/L prothioconazole (12.8% w/w) and 125 g/L tebuconazole (12.8% w/w).

MAPP No.: 19630

GROUP

3

FUNGICIDES

**FOR PROFESSIONAL USE ONLY
PROTECT FROM FROST
STORE IN A COOL DRY PLACE**

Production date / Batch number: see packaging

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



For warehouse
purpose only:

® is a registered trademark of
Globachem NV



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SAFETY PRECAUTIONS

OPERATOR PROTECTION

Engineering control of operator exposure must be used where reasonably practical in addition to the following personal protective equipment:

- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION when handling the concentrate.
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product.
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows 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 meals and after work.
- IF YOU FEEL UNWELL, seek medical advice (show the label where possible).

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 horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, 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 qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be

carried out in accordance with CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

STORAGE AND DISPOSAL

- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
- KEEP OUT OF REACH OF CHILDREN.
- KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.
- WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.
- DO NOT RE-USE CONTAINER for any purpose.

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.

GENERAL INFORMATION

PROTENDO® EXTRA is a mixture of a triazolinthione and triazole fungicide recommended for control of a wide range of diseases on winter and spring barley, winter and spring wheat, winter rye, winter and spring oats and oilseed rape.

Avoid spraying within 6m of the field boundary to reduce the effects on non-target insects or other arthropods.

CROPS

PROTENDO® EXTRA may be used on all commercial varieties of winter and spring barley, winter and spring wheat, winter rye, winter and spring oats and oilseed rape.

Rate of use

Apply PROTENDO® EXTRA at 1.0 litre per hectare
The maximum total dose per crop is 2.0 litres per hectare.

APPLICATION

Water volume and Spray quality

Apply PROTENDO® EXTRA in 100-400 litres water per hectare. 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.

A spray pressure of 2-3 bar is recommended.

Apply as a MEDIUM spray quality (as defined by BCPC).

Latest Permitted Timing

In wheat and rye PROTENDO® EXTRA may be applied at any stage up to the end of flowering (BBCH 69) and in barley and oats up to beginning of flowering.

In oilseed rape PROTENDO® EXTRA may be applied up to 56 days before harvest.

Mixing

Thoroughly shake the pack before use.

Add the required quantity of PROTENDO® EXTRA 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

Wheat

Eyespot (reduction of the incidence and severity),

Septoria (leaf and glume blotch), powdery mildew*, yellow rust, brown rust, tan spot, ear disease complex (*Fusarium* ear blight (reduction of deoxynivalenol) and reduction of sooty moulds).

Barley

Eyespot (reduction of the incidence and severity), powdery mildew, yellow rust, brown rust, ear disease complex (*Fusarium* ear blight* and reduction of sooty moulds), *Rhynchosporium*, net blotch.

Rye

Eyespot (reduction of the incidence and severity), powdery mildew, brown rust, *Rhynchosporium*.

Oats

Eyespot, crown rust and mildew.

Oilseed rape

Light leaf spot*, *Phoma* leaf spot/stem canker, and *Sclerotinia* stem rot.

*PROTENDO® EXTRA will provide moderate control of these diseases

APPLICATION TIMING

A minimum interval of 21 days must be observed between applications in all crops.

CEREALS

Eyespot (Tapesia 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 (Septoria tritici and Stagonospora nodorum)

Apply before disease is established in the crop. To protect the upper leaves and ear apply PROTENDO® EXTRA at full flag leaf emergence (GS 37) up to mid-flowering (GS 65). Where disease pressure remains high application may be repeated.

Applications to upper leaves where *S. tritici* symptoms are present are likely to be less effective. PROTENDO® EXTRA contains two DMI fungicides. 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 in DMI's contact your agronomist or specialist advisor, and visit the FRAG-UK website.

Powdery Mildew (*Blumeria graminis*)

Apply PPROTENDO® EXTRA at the first signs of disease. Where disease pressure remains high application may be repeated. PROTENDO® EXTRA will only provide moderate control of powdery mildew in wheat.

Yellow Rust (*Puccinia striiformis*)

Apply PROTENDO® EXTRA at the first signs of disease. A second application may be made later if re-infection occurs. Applications made to established infections are likely to be less effective.

Brown Rust (*Puccinia recondita* and *P hordei*)

Apply PROTENDO® EXTRA at the first signs of disease. A second application may be made later if re-infection occurs. Applications made to established infections are likely to be less effective.

Crown Rust (*Puccinia coronata*)

Apply PROTENDO® EXTRA at the first signs of disease. PROTENDO® EXTRA controls crown rust in winter and spring oats.

A second application may be made later if re-infection occurs. Applications made to established infections are likely to be less effective.

Tan Spot (*Pyrenophora tritici-repentis*)

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

Ear Disease Complex

Apply PROTENDO® EXTRA soon after ear emergence until the end of flowering (GS 59-69) for control of *Fusarium* ear blight in wheat (or moderate control in barley) and reduction of sooty moulds.

Control of ear diseases can result in cleaner, brighter

ears.

Through the control of ear blight, PROTENDO® EXTRA effectively reduces the level of the *Fusarium* mycotoxin deoxynivalenol (DON) in wheat grain. However, where *Fusarium* levels are high, the reduction achieved may not always be sufficient to ensure that DON levels fall below the statutory limit.

Leaf Blotch (*Rhynchosporium secalis*)

Apply PROTENDO® EXTRA in spring at the first signs of disease. For severe infections a second application may be necessary later.

Net Blotch (*Pyrenophora teres*)

Apply PROTENDO® EXTRA at the first signs of disease in spring/early summer. For severe infections, a second application later will give most effective control when conditions remain favourable for disease development.

OILSEED RAPE

Light Leaf Spot

Apply PROTENDO® EXTRA in autumn/winter (usually late October to early December) protectively. Follow up spray(s) may be required in early spring from the onset of stem elongation, depending on disease development.

Phoma Leaf spot/Stem Canker

Apply PROTENDO® EXTRA in autumn at the first sign of disease. Repeat application in late autumn/winter, if disease symptoms reoccur.

Sclerotinia stem rot (*Sclerotinia sclerotiorum*)

Apply PROTENDO® EXTRA at early to full flower.

SPRING OILSEED RAPE (QUALIFIED MINOR USE RECOMMENDATION)

PROTENDO® EXTRA can be used on varieties of spring oilseed rape, however this has not been supported by crop safety data.

RESISTANCE STRATEGY

Repeated application of PROTENDO® EXTRA alone should not be used on the same crop against a high risk pathogen such as cereal powdery mildew. Tank mixtures

or alternation with fungicides having a different mode of action (e.g. morpholines) have been shown to protect against the development of resistant forms of disease.

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

COMPANY ADVISORY INFORMATION

The following section is not part of the Product Label under Plant Protection Products Regulations 1995. It provides additional advice at the discretion of the seller.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, 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. 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.

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



WEBLINK to specific data sheet on manufacturer's website:

www.belchim.co.uk/pdf/MSDS/ProtendoExtra_MSDS.pdf

Alternatively, contact your supplier.

IMPORTANT INFORMATION - FOR USE ONLY AS A PROFESSIONAL FUNGICIDE

Crops/situations:	Max. individual dose: (L product / ha)	Maximum total dose: (L product / ha / crop)	Latest time of application:
Wheat and winter rye	1.0	2.0	End of flowering (BBCH 69)
Barley and oats	1.0	2.0	Beginning of flowering (BBCH 61)
Oilseed rape	1.0	2.0	56 days before harvest

Other specific restrictions:

- A minimum of 21 days must be observed between applications to the above crops.
- Do not apply by hand held equipment.

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.

WARNING**PROTENDO® EXTRA**

An emulsifiable concentrate formulation containing 125 g/L prothioconazole (12.8% w/w) and 125 g/L tebuconazole (12.8% w/w).

- H315 Causes skin irritation.**
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H361d Suspected of damaging the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor/physician.

P391 Collect spillage.

P501 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.

EUH208 Contains 2-[2-(1-chlorocyclopropyl)-2-hydroxy-3-phenylpropyl]-2,4-dihydro-3H-1,2,4-triazole-3-thione. May produce an allergic reaction.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

**For 24 hour emergency information contact Globachem n.v.
Telephone: +32 11 78 57 17**