

# Innox<sup>®</sup> Pro

An emulsifiable concentrate formulation containing 250 g/L prothioconazole (24.75% w/w).

For use only as an agricultural fungicide for the control of stem-base, foliar and ear disease in winter and spring wheat (also reduction of the mycotoxin deoxynivalenol), durum wheat, triticale, winter rye, winter and spring barley, winter and spring oats and for disease control in winter oilseed rape.

## Risk and Safety Information

### Warning

**Causes serious eye irritation.**

**May cause respiratory irritation.**

**Very toxic to aquatic life with long lasting effects.**

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

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Repeated exposure may cause skin dryness or cracking.

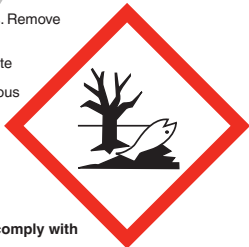
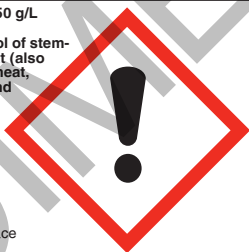
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

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

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

PCS No. : 07039

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



UFI : 0Y80-PA6M-400X-N5V7

Marketing company:

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Emergency Information (24 hours freephone): 0049 180 227 3112

Technical Enquiries: 0044 (0)845 602 2553 (office hours)

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**IMPORTANT INFORMATION**

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL FUNGICIDE

<b>Crop</b>	<b>Maximum individual dose (L/ha)</b>	<b>Maximum Total Dose (per season)</b>	<b>Latest time of application</b>
Winter and spring wheat, durum wheat, winter rye and triticale	0.8 L/ha	2.4 L/ha	Before grain milky ripe stage (GS 71)
Winter and spring barley, Winter and spring oats	0.8 L/ha	1.6 L/ha	Before beginning of flowering (GS 61)
Winter oilseed rape	0.7 L/ha	1.4 L/ha	Up to a pre-harvest interval of 56 days

**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.**

**PCS No. : 07039****SAFETY PRECAUTIONS****OPERATOR PROTECTION**

If swallowed, seek medical advice immediately and show this container or label.  
In case of accident or if you feel unwell seek medical advice immediately (show 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).  
To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.

**STORAGE AND DISPOSAL**

Do not re-use container for any other purpose and dispose of safely.  
**KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.**  
**KEEP OUT OF REACH OF CHILDREN.**  
**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 re-use and may be disposed of by an authorised contractor.

**PROTECT FROM FROST**

**READ ALL INSTRUCTIONS CAREFULLY BEFORE USE.**

Store in a cool dry place.

## 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

Innox® Pro is a triazolinthione fungicide recommended for control of a wide range of diseases on winter and spring barley, winter and spring wheat, durum wheat, triticale, winter rye, winter and spring oats, and for disease control in winter oilseed rape.

## Disease control

### DISEASES CONTROLLED

CEREALS	Wheat	Barley	Oats	Rye	Triticale
Eyespot ( <i>Oculimacula</i> spp.)	R	R	R	R	R
Septoria Leaf Blotch ( <i>Mycosphaerella graminicola</i> )	MC	-	-	MC	MC
Glume Blotch ( <i>Stagonospora nodorum</i> )	MC	-	-	MC	-
Powdery Mildew ( <i>Blumeria graminis</i> )	C	C	C	C	C
Yellow rust	C	C	-	-	C
Brown rust	MC	C	-	C	C
Crown rust	-	-	C	-	-
Tan spot	MC	-	-	-	-
<i>Fusarium</i> ear blight	MC	MC	-	-	-
Rhynchosporium Leaf Blotch	-	C	-	C	C
Net Blotch	-	C	-	-	-

C = control MC = moderate control R = reduction

### **Eyespot (*Oculimacula* spp.)**

Innox<sup>®</sup> Pro reduces the incidence and severity of eyespot. 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 Innox<sup>®</sup> Pro at full flag leaf emergence (GS 37) up to mid-flowering (GS 65). Where disease pressure remains high application may be repeated. Control levels may be enhanced by using robust rates of application.

Applications to upper leaves where *S. tritici* symptoms are present are likely to be less effective.

### **Powdery Mildew (*Blumeria graminis*)**

Apply Innox<sup>®</sup> Pro at the first signs of disease. Where disease pressure remains high application may be repeated.

### **Yellow Rust (*Puccinia striiformis*)**

Apply Innox<sup>®</sup> Pro at the first signs 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.

### **Brown Rust**

Apply Innox<sup>®</sup> Pro at the first signs 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.

### **Crown Rust (*Puccinia coronata*)**

Apply Innox<sup>®</sup> Pro at the first signs 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.

### **Tan Spot (*Pyrenophora tritici-repentis*)**

Apply Innox<sup>®</sup> Pro at the first signs of disease in spring or early summer. Where disease pressure remains high application may be repeated.

### **Ear Disease Complex (*Fusarium* ear blight and sooty moulds)**

Apply Innox<sup>®</sup> Pro soon after ear emergence until the end of flowering (GS59-69). Control of ear diseases can result in cleaner, brighter ears. Through the reduction of ear blight, Innox<sup>®</sup> Pro 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.

### ***Rhynchosporium* Leaf Blotch**

Apply Innox<sup>®</sup> Pro in spring at the first signs of disease. For severe infections a second application may be necessary 2-3 weeks later.

### Net Blotch (*Pyrenophora teres*)

Apply Innox<sup>®</sup> Pro at the first signs of disease in spring/early summer. For severe infections, a second application 2-3 weeks later will give most effective control when conditions remain favourable for disease development.

WINTER OILSEED RAPE	Oilseed rape
Light leaf spot	MC
<i>Phoma</i> Leaf spot/Stem Canker	C
<i>Sclerotinia</i> stem rot	C
C = control MC = moderate control	

### Light Leaf Spot

Apply Innox<sup>®</sup> Pro 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 Innox<sup>®</sup> Pro in autumn at the first sign of disease. Repeat application in late autumn/winter, if disease symptoms reoccur.

### *Sclerotinia* stem rot (*Sclerotinia sclerotiorum*)

Apply Innox<sup>®</sup> Pro at early to full flower.

## Resistance Management

Repeated application of Innox<sup>®</sup> Pro 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.

Take all precautionary measures to reduce the selection pressure for insensitive *Septoria tritici* strains (e.g. tank-mix with product having a different mode of action which is active against *Septoria*). Consult your advisor for up to date guidance regarding current resistance status and a strategy for preventing and managing resistance in the cereal and oilseed rape pathogens listed on the label.

The Fungicide Resistance Action Committee (FRAC) produces recommendations that may be consulted for additional information.

Strains of light leaf spot resistant to azole fungicides are known to exist. To avoid development of resistance apply product protectively in response to disease forecasts. Where possible, when light leaf spot is present, avoid the use of azole based fungicides when targeting other diseases such as *Sclerotinia* at mid flowering stage.

**Caution:** The possible development of disease strains resistant to Innox® Pro cannot be excluded or predicted. Where such resistant strains occur, Innox® Pro is unlikely to give satisfactory control.

## Crop Specific Information

Innox® Pro may be used on all commercial varieties of winter and spring barley, winter and spring wheat, durum wheat, triticale, winter rye, winter and spring oats and winter oilseed rape.

### Cereals

Method of application: Tractor mounted/trailed sprayer.

Apply Innox® Pro at 0.8 L/ha in 100-300 L water/ha.

Apply as a MEDIUM spray quality. A spray pressure of 2-3 bar is recommended. Maximum total dose per crop is 1.6 L/ha for barley and oats and 2.4 L/ha for wheat, rye and triticale. Innox® Pro may be applied at any stage before grain milky ripe stage (GS 71) in wheat, rye (winter) and triticale and up to beginning of flowering in barley and oats (GS 61).

### Winter Oilseed Rape

Method of application: Tractor mounted/trailed sprayer.

Apply Innox® Pro at 0.7 L/ha in 100-300 L water/ha.

Apply as a MEDIUM spray quality. A spray pressure of 2-3 bar is recommended. Maximum total dose per crop is 1.4 L/ha. Innox® Pro may be applied at any stage up to a pre-harvest interval of 56 days.

Apply Innox® Pro in 100 to 300 litres of 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.

## Mixing and Application

### MIXING AND SPRAYING

Thoroughly shake the pack before use. Add the required quantity of Innox® Pro 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. Sprayers should be thoroughly cleaned before 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. Spray equipment should be thoroughly cleaned with detergent after use.

## **COMPATABILITY**

For information on compatibilities, contact your distributor, local BASF representative or the BASF Technical Services 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 any applicable law.

### **Additional Product Safety Information**

The information on this label is based on the best available information including data from test results.

## Safety Data Sheet

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



[agricentre.basf.ie/Innox-Pro-IE/MSDS](https://agricentre.basf.ie/Innox-Pro-IE/MSDS)

Alternatively, contact your supplier.

SPECIMEN



**BASF**

We create chemistry

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