

# PATTON FLEX

FUNGICIDE

PCS no. 06989

PATTON FLEX is a triazolothione fungicide for the control of stem-base, foliar and ear disease in winter and spring wheat (also reduction of the mycotoxin deoxynivalenol), Durum wheat, winter rye, winter and spring barley, winter and spring oats and for disease control in winter oilseed rape.

An emulsifiable concentrate formulation containing 250 g/l (24.95% w/w) prothioconazole

## RISK & SAFETY INFORMATION

An emulsifiable concentrate formulation containing 250 g/l prothioconazole and N,N,-Dimethyl decanamide

### Warning

Causes serious eye irritation

May cause respiratory irritation

Very toxic to aquatic life with long lasting effects

Avoid breathing spray.

Wash hands, forearms and face thoroughly after handling.

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

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Call a POISON CENTER/doctor if you feel unwell.

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

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

UFI: AAUE-94D4-3SKJ-AQ5G



PCS no. 06989

### Approval Holder:

UPL Holdings Coöperatief U.A.  
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Manufacturing date and Batch No.: see packaging

SEE ATTACHED LEAFLET FOR  
DIRECTIONS FOR USE

NET CONTENTS:

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This leaflet/booklet is part of the authorised Product Label

## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crop	Maximum individual dose (litres product/ha)	Maximum total dose (litres product/ha)	Latest Time of application
Winter and spring wheat Durum wheat Winter rye	0.8	2.4	Before grain milky ripe stage (GS 71)
Winter and spring barley Winter and spring oats	0.8	1.6	Beginning of flowering. (GS 61)
Winter oilseed rape	0.7	1.4	56 days before harvest

**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**

## SAFETY PRECAUTIONS

### Operator Protection

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) 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.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH ANY CONTAMINATION from eyes immediately.

IF YOU FEEL UNWELL, seek medical advice (show label where possible).

### Environmental Protection

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

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.

### Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS. KEEP IN ORIGINAL CONTAINER, TIGHTLY CLOSED, IN A SAFE PLACE.

PROTECT FROM FROST

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.

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

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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.

## RESISTANCE

Repeated application of PATTON FLEX 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. The possible development of disease strains resistant to PATTON FLEX cannot be excluded or predicted. Where such resistant strains occur, PATTON FLEX is unlikely to give satisfactory control.

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. For further advice on resistance management contact your agronomist or specialist advisor.

## DISEASE CONTROL

### Cereals

Disease	Wheat	Barley	Oats	Triticale	Rye
Eyespot ( <i>Oculimaculata</i> spp.)	R	R	R	R	R
Septoria leaf blotch ( <i>Mycosphaerella graminicola</i> )	MC		-	MC	MC
Glume blotch ( <i>Stagnospora 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	-	-	-
<i>Rhynchosporium</i> leaf blotch	-	C	-	C	C
Net blotch	-	C	-	-	-

C = control MC = moderate control R = reduction

### Eyespot (*Oculimaculata* 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).



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## **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 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.

PATTON FLEX contains a DMI fungicide. 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.

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

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

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

Apply at the first signs of disease for control of yellow rust in wheat and winter barley. 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 at the first signs of disease for control of brown rust in barley (*Puccinia hordei*) and rye (*P. recondita*). Will also give moderate control of brown rust in wheat (*P. recondita*). 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 at the first signs of disease to control crown rust in winter and spring oats. 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 at the first signs of disease in spring/early summer for moderate control of tan spot in winter wheat. Where disease pressure remains high, application may be repeated.

## **Ear Disease Complex**

Apply soon after ear emergence until the end of flowering (GS 59-69) for moderate control of *Fusarium* ear blight and reduction of sooty moulds. Control of ear diseases can result in cleaner, brighter ears.

Through the reduction of ear blight, effective reduction of the level of the *Fusarium* mycotoxin deoxynivalenol (DON) will be achieved 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 in spring at the first signs of disease for high levels of *Rhynchosporium* control. For severe infections a second application may be necessary 2-3 weeks later.

## **Net Blotch (*Pyrenophora teres*)**

Apply at 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.





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## WINTER OILSEED RAPE

Disease	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 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 in autumn at the first sign of disease. Repeat application in late autumn/winter, if disease symptoms reoccur.

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

Apply at early to full flower.

### Spring oilseed rape (QUALIFIED MINOR USE RECOMMENDATION)

Can be used on varieties of spring oilseed rape but crop safety has not been fully established.

## CROP SPECIFIC INFORMATION

### Cereals

**Dose rate:** Apply 0.8 L/ha in 100-300 litres water/ha. Maximum total dose per crop is 1.6 L/ha for barley and oats and 2.4 L/ha for wheat and rye.

**Timing:** May be applied at any stage before grain milky ripe stage (GS 71) in winter wheat and winter rye and up to beginning of flowering in barley and oats.

Apply as a MEDIUM spray quality (as defined by BCPC). A spray pressure of 2-3 bar is recommended

### Winter Oilseed Rape

**Dose rate:** Apply 0.7 L/ha in 100–300 L water/ha. Maximum total dose per crop is 1.4 L/ha. Apply 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 maybe compromised by reducing water volumes, where good spray coverage is difficult to achieve

**Timing:** May be applied at any stage up to a pre harvest interval of 56 days.

## MIXING AND APPLICATION

Half fill the spray tank with clean water and begin agitation. Add the required quantity of PATTON FLEX and add the remainder of the water. Continue agitation until spraying is completed.

In dense crops, at later growth stages, higher water volumes should be used.

Wash out sprayer thoroughly and clean with detergent after use.

## CONDITIONS OF SALE

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their





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storage, handling mixing or use or the weather conditions before, during and 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.

Specimen-  
2025 to date

