



syngenta®

Product registration number: MAPP 14846

Water dispersible granule containing 75% w/w cyprodinil

For use against eyespot and powdery mildew on winter and spring wheat and net blotch, eyespot, powdery mildew, and *Rhynchosporium* on winter and spring barley.

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

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**In case of toxic or transport emergency ring +44 (0)1484 538444 any time.**



PROTECT FROM FROST  
STORE IN A COOL, DRY PLACE

#### SAFETY PRECAUTIONS

##### (a) 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 product and contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) during application.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

##### (b) Environmental protection

To protect aquatic organisms, respect an unsprayed buffer zone distance to surface water bodies in line with LERAP requirements.

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 waterbody, unless a Local Environmental 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. DO NOT ALLOW



DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing waterbody. Aim spray away from water.

This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) Scheme. Before each spraying operation from a horizontal boom sprayer or broadcast air assisted sprayer either a LERAP must be carried out in accordance with CRD published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

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.

##### (c) Storage and disposal

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

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

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.

Product names marked ® or ™, the ALLIANCE FRAME  
the SYNGENTA Logo and the PURPOSE ICON  
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This product label is compliant with the CPA  
Voluntary Initiative (VI) guidance.



**UNIX®**

Water dispersible granule containing 75% w/w cyprodinil.

**Warning**

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

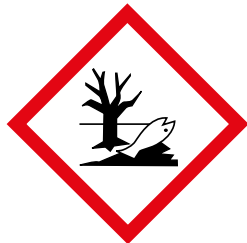
Keep out of reach of children.

Collect spillage.

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

**Contains cyprodinil. May produce an allergic reaction.**

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

**MAPP 14846****IMPORTANT INFORMATION**

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops	Maximum individual dose (kg/product/ha)	Maximum total dose (kg/product/ha/crop)	Latest time of application:
Wheat	1.00	1.00	Before 3rd node detectable stage
	and/or 0.67		Before early milk stage
Barley	0.67	1.34	Before first spikelet of inflorescence just visible stage

**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.**

## DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

UNIX® is a water dispersible granule formulation containing 75% w/w cyprodinil for use as a fungicide on winter and spring wheat and winter and spring barley.

## DISEASES CONTROLLED

UNIX® controls eyespot (*Pseudocercospora herpotrichoides*) and gives moderate control of powdery mildew (*Erysiphe graminis*) on winter and spring wheat.

UNIX® controls eyespot (*Pseudocercospora herpotrichoides*), powdery mildew (*Erysiphe graminis*), net blotch (*Pyrenophora teres*) and gives moderate control of *Rhynchosporium secalis* on winter and spring barley.

## CROP SPECIFIC INFORMATION

### Crops

All varieties of winter wheat, spring wheat, winter barley and spring barley.

### Timing

Treatment at early stages of disease development will ensure the best results. Further applications may be needed if disease attack is prolonged.

**Eyespot:** For best control of eyespot spray UNIX® before or during the period of stem extension in the spring (GS 30 - 32). Control of eyespot may be reduced when very dry conditions follow application.

**Powdery Mildew, net blotch, Rhynchosporium:** application at first sign of disease is recommended.

For Powdery mildew control use early in the spray programme to make best use of the protectant activity. Use with an eradicant partner such as Corbel, Opus, Proline, Fandango or Helix for established infections.

For Net Blotch and *Rhynchosporium* control UNIX® should be used in tank mixture with another partner with a different mode of action such as AMISTAR, Fandango, Helix, Opus and Proline.

### Latest timing

UNIX® may be used on winter and spring wheat before 3rd node detectable stage for the 1.0 kg/product/ha dose and before early milk stage for the individual dose of 0.67 kg product/ha.

UNIX® may be used on winter and spring barley before first spikelet of inflorescence just visible stage.

## Rates of Use

### **Wheat**

Eyespot:	Control:	1.0 kg/ha
	Moderate control:	0.67 kg/ha
Powdery mildew:	Moderate control:	0.67 kg/ha

A maximum individual dose of 1.0 kg/ha UNIX® may be used before 3rd node detectable stage and/or 0.67 kg/ha before early milk stage (e.g. one application of 1.0 kg/ha followed by one application of 0.67 kg/ha).

### **Barley**

Eyespot, powdery mildew, net blotch, *Rhynchosporium*: 0.67 kg/ha

On winter and spring barley a maximum of 1.34 kg/ha UNIX® may be applied per crop per season.

### **MIXING AND SPRAYING**

Make sure the sprayer is set to give an even application at the correct volume. In all cases add UNIX® to the spray tank first, followed by any additional products.

#### Dry Mixing - Sprayers with Induction Hoppers

Fill sprayer to 15% of tank capacity with water and start agitation. Pour UNIX® into the induction hopper and open valve in bottom of hopper to suck the granules into the circulating spray mix. Continue adding UNIX® until loading is complete. Wash down any granules on the hopper wall and close valve. Rinse packs in the normal manner.

#### Note for old sprayers with indirect venturi induction hoppers

In the unlikely event of problems occurring during dry induction of the granules (blocked venturi), open the rinse ring and add water to the hopper. As soon as product induction continues, carry on adding product until the required amount is reached.

#### Sprayers Without Induction Hoppers

Fill sprayer with a minimum of 15 cm of water in the bottom and agitate vigorously. Pour UNIX® through the sprayer lid, triple rinse containers into the sprayer and then add the remainder of water.

Agitate the mixture thoroughly before use and continue agitation during spraying.

### **Spray Application**

Apply UNIX® in 200 litres of water per hectare using a tractor-mounted sprayer and a medium spray as defined by BCPC. A spray pressure of 2-3 bars is recommended.

Thoroughly wash all spray equipment with water after use.

### **RESISTANCE MANAGEMENT**

UNIX® contains the aniline-pyrimidine fungicide cyprodinil. To reduce the risk of diseases developing resistance to cyprodinil, UNIX® should be used as part of a resistance management strategy that includes fungicides with a different mode of action. For specific advice please refer to timing section in CROP SPECIFIC INFORMATION section above.

### **COMPATIBILITY**

UNIX® is compatible with AMISTAR, Fandango, Helix, Opus and Proline. For further information on compatibilities contact Syngenta.