

# Nebula® XL



MAPP 15555

An oil dispersion containing 140 g/litre (13.02% w/w) boscalid plus 60 g/litre (5.58% w/w) pyraclostrobin plus 50 g/litre (4.65% w/w) epoxiconazole.

A broad spectrum fungicide for use in winter wheat, spring wheat, winter barley, spring barley, rye, triticale and oats.

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

#### SAFETY PRECAUTIONS

##### Operator protection

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

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate or 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.

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).  
WHEN USING DO NOT EAT, DRINK OR SMOKE.  
WASH HANDS AND EXPOSED SKIN before meals 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 to surface water bodies in line with LERAP requirements.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m 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 inspection for three years.

##### Storage and disposal

KEEP OUT OF REACH OF CHILDREN.  
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

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.

Store in a suitable pesticide store. Keep dry and protect from frost.  
SHAKE WELL BEFORE USE.



# 10 Le

This label is compliant with the CPA Voluntary Initiative Guidance

Supplied by:

BASF plc

Crop Protection

PO Box 4, Earl Road

Cheadle Hulme, CHEADLE

Cheshire SK8 6GG

Tel: 0161 485 6222

Emergency Information:

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0049 180 2273112

Technical Enquiries:

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We create chemistry

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# Nebula® XL

An oil dispersion containing 140 g/litre boscalid plus 60 g/litre pyraclostrobin plus 50 g/litre epoxiconazole.

**DANGER:**  
**CAUSES SERIOUS EYE IRRITATION.**  
**HARMFUL IF INHALED.**  
**MAY CAUSE AN ALLERGIC SKIN REACTION.**  
**SUSPECTED OF CAUSING CANCER.**  
**MAY DAMAGE THE UNBORN CHILD. SUSPECTED OF DAMAGING FERTILITY.**  
**VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.**

WEAR PROTECTIVE GLOVES /CLOTHING.  
USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.  
IF EXPOSED OR CONCERNED: CALL A POISON CENTRE OR DOCTOR/PHYSICIAN.  
IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.  
STORE LOCKED UP.  
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.

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



**This product is approved under the Plant Protection Products Regulation (EC) No 1107/2009.**

## IMPORTANT INFORMATION

**FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE, as directed below:**

Crops	Maximum individual dose	Maximum number of treatments	Latest time of application
Wheat (winter), Wheat (spring), Rye, Triticale	2.5 litres product per hectare	2 per crop	Up to and including flowering (anthesis) just complete (GS 69)
Barley (winter) Barley (spring), Oats	2.5 litres product per hectare	2 per crop	Up to and including emergence of ear just complete (GS 59)

**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 read carefully in order to obtain safe and successful use of this product.

Nebula XL is a broad spectrum fungicide with systemic, protectant and curative properties for use in winter wheat, spring wheat, winter barley, spring barley, oats, rye and triticale.

### 1. Restrictions/Warnings

Avoid spray drift on to neighbouring crops.

Effects on baking and brewing have not been fully tested. Consult the grain merchant or processor before use.

This product may cause damage to broad-leaved plant species.

Wash equipment thoroughly after use.

You must not apply more than two foliar applications of QoI containing products to any cereal crop. See also 2.1, Resistance Management, below

### 2. Disease Control

Nebula XL is a broad spectrum fungicide with systemic, protectant and curative properties for use in winter wheat, spring wheat, winter barley, spring barley, oats, rye and triticale for disease control as summarised below.

	Winter wheat	Spring wheat	Winter barley	Spring barley	Oats	Rye	Triticale
<i>Septoria tritici</i>	C	C	-	-	-	-	C
<i>Septoria nodorum</i>	C	C	-	-	-	-	C
Brown rust	C	C	C	C	-	C	C
Yellow rust	C	C	C	C	-	C	C
Net blotch	-	-	C	C	-	-	-
<i>Rhynchosporium</i>	-	-	C	C	-	C	-
Eyespot	MC	MC	MC	MC	-	MC	MC
Powdery mildew	-	-	MC	MC	MC	MC	MC
Crown rust	-	-	-	-	C	-	-
Tan Spot	MC	MC	-	-	-	-	-
<i>Ramularia</i>	-	-	MC	MC	-	-	-
<i>Fusarium</i> ear blight #	GR	GR	-	-	-	-	-
Sooty moulds ( <i>Cladosporium</i> , <i>Botrytis</i> )	GR	GR	-	-	-	-	-

Yield response may be obtained in the absence of visual disease.

C = Control                      MC = Moderate Control  
GR = Good Reduction        R = Reduction

# Application of Nebula XL to ears of wheat can lead to reduction of the mycotoxin deoxynivalenol (DON) associated with *Fusarium* ear blight infection, but this level of effect may not necessarily lead to reduction of DON below the statutory limit in wheat grain.

### 2.1 Resistance Management

Nebula XL contains pyraclostrobin, a member of the QoI cross resistance group. Nebula XL should be used preventatively and should not be relied upon for its curative potential.

When curative activity is needed apply QoI fungicides in mixture with a suitable dose of a curative fungicide from a different cross-resistance group. Nebula XL meets this requirement as it contains epoxiconazole and boscalid. To ensure the effectiveness of the epoxiconazole and boscalid component, Nebula XL should always be applied at the full recommended rate.





Use Nebula XL as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control, including where appropriate other fungicides with a different mode of action. You must not apply more than two foliar application of Qol containing products to any cereal crop.

There is a significant risk of widespread resistance to Qol cross resistance group fungicides occurring. Failure to follow resistance management action may result in reduced levels of disease control.

Nebula XL contains epoxiconazole, 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 DMIs contact your agronomist or specialist advisor, and visit the FRAG-UK website.

Nebula XL contains boscalid which belongs to the SDHI (carboxamide) group of fungicides. To minimise the risk of resistance occurring, apply a maximum of two SDHI fungicide sprays per cereal crop.

### 3. Crops

Nebula XL is a broad spectrum fungicide with protectant and curative properties for use in winter wheat, spring wheat, winter barley, spring barley, oats, rye and triticale.

#### Time of Application

Apply Nebula XL at the start of foliar or stem based disease attack. A maximum of two applications can be made up to and including flowering (anthesis) just complete (GS69) in winter wheat, spring wheat, rye and triticale, and up to and including emergence of ear just complete (GS59) in winter and spring barley and oats.

#### Rate of Application

Apply 2.5 litres Nebula XL in 150 to 300 litres of water per hectare.

#### Qualified recommendation

Nebula XL may be applied at 2.5 litres per hectare in 100 litres water per hectare although efficacy at this reduced volume has not been evaluated. Therefore application at 100 litres water per hectare is at user's risk with regard to biological efficacy.

### 4. Following crops

After treating a cereal crop with Nebula XL, onions, oats, sugar beet, oilseed rape, cabbages, carrots, sunflowers, barley, lettuce, ryegrass, dwarf French beans, peas, potatoes, clover, wheat, field beans and maize may be sown as the following crop

### 5. Mixing and Spraying

Half fill the spray tank with clean water and start the agitation. SHAKE THE CONTAINER WELL before use and pour in the required amount of product. Rinse any empty containers thoroughly and add rinsings to the spray tank. Add the remainder of the water and continue agitation until spraying is completed.

On emptying the container, 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.

### The following does not form part of the product label under the Plant Protection Products Regulation (EC) No 1107/2009.

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 the Unfair Contract Terms Act 1977 or any similar applicable law.





**Section 6 of the Health and Safety at Work Act  
Additional Product Safety Information**

**The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has “off-label” approval or is otherwise permitted under the Plant Protection Products Regulations.**

**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.



[http://www.agricentre.basf.co.uk/go/Nebula\\_sds](http://www.agricentre.basf.co.uk/go/Nebula_sds)

Alternatively, contact your supplier.



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