

# Librax®



## MAPP 17107

An emulsifiable concentrate containing 45 g/litre (4.4% w/w) metconazole and 62.5 g/litre (6.1% w/w) fluxapyroxad. A systemic fungicide for use in winter wheat, spring wheat, durum wheat, winter barley, spring barley, triticale and rye.

The (COSHH) 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 equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACE SHIELD) when handling the concentrate.

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.

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

DO NOT RE-USE CONTAINER for any purpose. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

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 safely.

Store in a suitable pesticide store. Keep dry and protect from frost.



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This label is compliant with the CPA  
Voluntary Initiative Guidance

Supplied by:  
BASF plc  
Crop Protection  
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0049 180 2273112  
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 **BASF**  
We create chemistry





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An emulsifiable concentrate containing 45 g/litre (4.4% w/w) metconazole and 62.5 g/litre (6.1% w/w) fluxapyroxad.  
Contains propanoic acid, 2-hydroxy-, 2-ethylhexyl ester, (2S)-.  
May cause an allergic reaction.

## WARNING:

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

OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.  
WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.  
IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES.  
REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.  
CALL A POISON CENTRE OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.  
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), durum wheat, rye, triticale, Barley (winter) and Barley (spring)	2 litres product per hectare	2 per crop	Up to and including flowering (anthesis) just complete (GS 69)

### Other specific restrictions:

To protect birds, only one application is allowed on cereals before GS 29 (end of tillering).  
A minimum interval of 21 days must be observed between applications.

**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.

Librax is a systemic fungicide with protectant and curative properties for the control of a range of diseases in winter and spring wheat, durum wheat, winter and spring barley, triticale and rye.

### 1. Restrictions/Warnings

Avoid spray drift on to neighbouring crops and field margins.

When applied to barley intended for malting, refer to the latest timing restrictions for flusapyroxad given by the British Beer and Pub Association.

After spraying, wash out sprayer thoroughly according to manufacturer's guideline and dispose of washings and clean container according to DEFRA Code of Practice and local authority guidelines.

### 2. Disease Control

Librax is a systemic fungicide with protectant and curative properties for the control of a range of diseases in winter wheat, spring wheat, durum wheat, winter barley, spring barley, triticale and rye as summarised below.

In addition, when applied for disease control this product may increase green leaf area retention of wheat, barley, rye and triticale

	Winter wheat	Spring wheat	Winter barley	Spring barley	Durum wheat	Rye	Triticale
Powdery mildew	MC	MC	MC	MC	MC	MC	MC
<i>Septoria tritici</i>	C	C	-	-	C	-	C
Yellow rust	C	C	C	C	C	C	C
Brown rust	C	C	C	C	C	C	C
Net blotch	-	-	C	C	-	-	-
<i>Rhynchosporium</i>	-	-	C	C	-	C	-
Tan spot	GR	GR	-	-	GR	-	-
<i>Ramularia</i>	-	-	C	C	-	-	-
Eyespot	GR	-	-	-	GR	GR	GR
<i>Fusarium</i> ear blight	GR	GR	-	-	GR	-	-
<i>Cladosporium</i>	MC	MC	-	-	MC	-	-

C = Control

MC = Moderate Control

GR = Good Reduction





## Resistance

Librax should be used in accordance with the instructions for use for the target diseases at the specific growth stages indicated.

Use Librax as part of an Integrated Crop Management (ICM) strategy incorporating other methods of control.

You must not apply more than two foliar applications of products containing complex II inhibitors to any cereal crop.

Strains of certain cereal diseases with decreased sensitivity to triazole fungicides are known to exist in the UK. Where these occur or develop Librax may not give satisfactory control.

Librax contains metconazole, 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.

## 3. Crops

Librax is a systemic fungicide with protectant and curative properties for use in winter wheat, spring wheat, durum wheat, winter barley, spring barley, triticale and rye.

## Time of Application

Apply Librax at the start of disease attack following a disease risk assessment or the use of appropriate decision support systems. A maximum of two applications can be made up to and including flowering just complete.

## Rate of Application

Apply 2 litres Librax per hectare in 100 to 300 litres of water per hectare.

## Qualified recommendation

Librax may be applied at 2 litres per hectare in 100 litres of water per hectare although efficacy against stem based diseases at this reduced volume has not been evaluated. Therefore application at 100 litres water per hectare is at user's risk with regards to biological efficacy.

## 4. Following crops

After treating a cereal crop with Librax the following crops can be sown: barley, cabbages, carrots, clover, dwarf French beans, field beans, lettuce, maize, oats, oilseed rape, onions, peas, potatoes, ryegrass, sunflowers, sugar beet and wheat.

The effects of Librax on other crops has not been assessed.

## 5. Mixing and Spraying

Apply as a MEDIUM spray, as defined by BCPC.

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.

When tank mixes are to be used, each product should be added separately to the spray tank, taking due note of any instructions given as to the order of mixing.

## 6. Compatibility

For details of compatibilities contact your distributor, local BASF representative or the BASF Technical Services Hotline: 0845 602 2553 or visit our website on: [www.agriCentre.basf.co.uk](http://www.agriCentre.basf.co.uk).





## COMPANY ADVISORY INFORMATION

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

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/librax\\_sds](http://www.agricentre.basf.co.uk/go/librax_sds)

Alternatively, contact your supplier.



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