

Librax®

A systemic fungicide for use in winter wheat, spring wheat, durum wheat, winter barley, spring barley, triticale and rye.

An emulsifiable concentrate containing 45 g/litre (4.4% w/w) metconazole and 162.5 g/litre (6.1% w/w) fluxapyroxad. Contains 2-ethylhexyl-S-lactate.
May cause an allergic reaction.

Risk and Safety Information

Warning

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

Suspected of damaging the unborn child.

May cause harm to breast-fed children.

Very toxic to aquatic life with long-lasting effects.

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

Use only outdoors or in a well-ventilated area.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed: Call a POISON CENTRE or doctor/physician.

Store locked up.

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.

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

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

PCS No. : 04968



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Supplied by:
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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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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), Barley (spring)	2 litres product per hectare	2 per crop	Before grain watery ripe stage (GS 71)

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.

A maximum of 2 foliar applications of product(s) containing SDHIs can be applied to any cereal crop.

READ ALL PRECAUTIONS BEFORE USE

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PRECAUTIONS

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.

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

WHEN USING DO NOT EAT, DRINK OR SMOKE.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

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.

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

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.

STORAGE

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

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.

Restrictions/Warnings

For professional use only.

For use by tractor mounted/trailed sprayers only.

Avoid spray drift on to neighbouring crops and field margins.

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

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:

	Wheat	Barley	Rye	Triticale
Powdery mildew (<i>Blumeria graminis</i>)	MC	MC	MC	MC
Septoria leaf blotch (<i>Mycosphaerella graminicola</i>)	C	-	-	C
Glume blotch (<i>Septoria nodorum</i>)	MC	-	-	MC
<i>Ramularia</i>		MC	-	-
Yellow rust	C	C	C	C
Brown rust	C	C	C	C
Net blotch	-	C	-	-
<i>Rhynchosporium secalis</i> (leaf scald)	-	C	C	-
Tan spot	R	-	-	-
Eyespot	R	-	R	R
<i>Fusarium</i> ear blight	R	-	-	R
Sooty moulds (<i>Cladosporium</i> , <i>Botrytis</i>)	MC	-	-	-

C = Control

MC = Moderate Control

R = Reduction

Resistance Management

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.

For further advice on resistance management contact your agronomist or specialist advisor and visit the FRAG-UK website.

Isolates of certain cereal diseases with decreased sensitivity to DMI fungicides are known to exist. Where these occur or develop Librax may not give satisfactory control.

Isolates of *Septoria* leaf blotch with reduced sensitivity to SDHI fungicides have been detected.

Mixtures of two or more SDHI fungicides do not provide an anti-resistance strategy. Each application of such a mixture counts as one SDHI application.

Crop Specific Information

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

Time of Application

Apply Librax at 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 before grain watery ripe stage.

Rate of Application

Apply 2 litres Librax per hectare in 100 to 200 litres of water per hectare.

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.

Mixing and Application

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.

Compatibilities

For details of compatibilities contact your distributor, local BASF representative or the BASF Technical Services Hotline: 0044 (0)845 602 2553 or visit our website on: www.agricentre.basf.ie

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.

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

This section does not form part of the product label under S.I. No. 159 of 2012.

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/Librax-IE/MSDS

Alternatively, contact your supplier.