

LIVIOUS



GROUP 7 FUNGICIDE

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

An emulsifiable concentrate containing 62.5 g/litre (6% w/w) fluxapyroxad.

FOR PROFESSIONAL USE ONLY

Safety Data Sheet for this product
scan the QR code or use the weblink:

https://links.jtcrop.net/IE_Livius

Alternatively, contact your supplier.

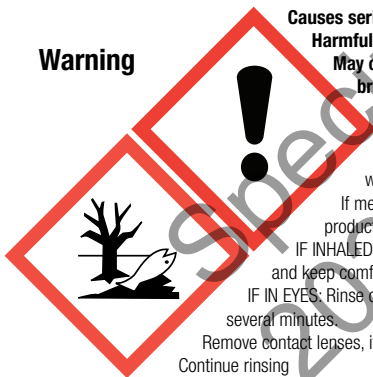


Contains 62.5 g/litre (6% w/w) fluxapyroxad.

SAFETY INFORMATION

UFI: AP13-M00C-Q00C-PDX2

Warning



Causes serious eye irritation.

Harmful if inhaled.

**May cause harm to
breastfed children.**

**Toxic to aquatic life
with long lasting effects.**

Use only outdoors or in a
well-ventilated area.

If medical advice is needed, have
product container or label at hand.

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

If exposed or concerned: Call a
POISON CENTRE or doctor/physician.
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.
Contains propanoic acid, 2-hydroxy-,
2-ethylhexyl ester, (2S).
May cause an allergic reaction.

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

PCS 07188

**PROTECT FROM FROST
SHAKE WELL BEFORE USE**

In the event of an emergency, call the National Poisons Information Centre,
Beaumont Hospital: **01-8092166** or **01-8379964**

Net contents
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Authorisation Holder and Marketing Company

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IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops	Maximum individual dose (litres product/ha)	Maximum number of treatments (per crop)	Latest time of application
Wheat (winter) Wheat (spring) Wheat (durum) Triticale, rye Barley (winter) Barley (spring) Oats	2.0	2	Before grain watery ripe stage (GS 71)

Other specific restrictions:

A maximum of 2 foliar applications of product(s) containing SDHs can be applied to any cereal crop. Always apply SDH fungicides in mixtures. The mixture partner:

- Should provide satisfactory disease control when used alone on the target disease.
- Must have a different mode of action.

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 GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

IF SWALLOWED, seek medical advice immediately and show this container or label.

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.

Storage and Disposal

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

KEEP OUT OF REACH OF CHILDREN.

STORE 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.

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.

Restrictions/Warnings

For professional use only.

For use by tractor mounted/trailed sprayers only.

Avoid spray drift on to neighboring crops.

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

Disease Control

LIVIOUS is a fungicide with protectant and systemic properties for use in winter and spring wheat, durum wheat, winter and spring barley, oats, rye and triticale for disease control as summarised below.

	Winter wheat	Spring wheat	Winter barley	Spring barley	Durum wheat	Oats	Rye	Triticale
Septoria leaf blotch (<i>Mycosphaerella Graminicola</i>)	C	C	-	-	C	-	-	C
Brown rust	C	C	C	C	C	-	C	C
Yellow rust	MC	MC	MC	MC	MC	-	MC	MC
Crown rust	-	-	-	-	-	C	-	-
Net blotch	-	-	C	C	-	-	-	-
<i>Rhynchosporium secalis</i> (leaf scald)	-	-	C	C	-	-	C	-
Powdery mildew	R	R	R	-	R	R	R	R
Tan spot	R	R	-	-	R	-	-	-

C = Full control MC = Moderate Control R = Reduction

Resistance Management

In order to minimise risk of resistance development, LIVIOUS should always be sprayed in mixture with products with a different mode of action at a dose that will give robust control.

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

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

LIVIOUS must always be tank-mixed with another fungicide(s) from different cross resistant group(s)/ different mode(s) of action, which, when used alone,

gives effective control of the same target disease(s).

Products should be applied at robust rates.

In any tank-mix the SDHI should be applied in a balanced mixture.

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

For use in all varieties of winter and spring wheat, durum wheat, winter and spring barley, oats, rye and triticale.

Time of Application

Apply LIVIUS at the start of disease attack.

A maximum of 2 applications can be made before grain watery ripe stage in winter and spring wheat, durum wheat, winter and spring barley, rye, triticale, and oats.

Time of Application

Apply LIVIUS at 2 litres of product per hectare in a water volume of 150-300 litres of water per hectare.

Qualified recommendation

LIVIUS may be applied at 2 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 users' risk with regard to biological efficacy.

Following Crops

After treating a cereal crop with LIVIUS: barley, cabbages, carrots, chicory, clover, dwarf beans, field beans, fodder beet, grass, leeks, lettuces, linseed, maize, oats, oilseed rape, onions, peas, potatoes, radishes, ryegrass, soya beans, spinach, sugar beet, sunflowers, triticale and wheat may be sown as the following crop.

Mixing and Application

Mixing

Half-fill the spray tank with clean water and start agitation.

Shake the container well before use and pour in the required amount of product.

Rinse empty containers thoroughly and add rinsings to the spray tank.

Add the remainder of the water and continue agitation until spraying is complete.

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.

Application

Apply as a medium spray, as defined by BCPC.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during or 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.