

XERTON®

HERBICIDE

MAPP 21094

GROUP 15 HERBICIDE

Suspension concentrate (SC) formulation containing 417g/L of ethofumesate. XERTON is a pre and post-emergence herbicide for use on winter wheat to control Annual meadow-grass (*Poa annua*) and Loose silky-bent (*Apera spica-venti*).

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

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crop	Maximum individual dose	Maximum number of treatments	Latest Time of application
Winter Wheat	0.6 litres product/ha	1 per crop	Up to and including GS23 (Main shoot and three tillers).

Other specific restrictions:

To protect groundwater the maximum total dose must not exceed 1 kg ethofumesate per hectare in any three year period.
Do not sow any food or feed crops except sugar beet, fodder beet, mangel and red beet within 120 days of treatment with ethofumesate.

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

Authorisation Holder and Marketing Company

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PROTECT FROM FROST

Shake well before use

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) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

Environmental protection

USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

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

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK OR ANIMAL FEEDING STUFFS.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device. After use, thoroughly wash out the sprayer with a minimum of two flushes of water.

Add washings to sprayer at time of filling and dispose of safely.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place/under lock and key/ away from damp/sources of heat.

DO NOT RE-USE CONTAINER for any purpose

Net Contents :
5 L



WARNING

May cause an allergic skin reaction
Very toxic to aquatic life with long lasting effects.

Avoid breathing fumes/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

Wear eye protection.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

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 1,2-benzisothiazolin-3-one. May produce an allergic skin reaction.

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

For Batch Number & Manufacturing Date : see container



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XERTON®

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.

Rates of use

Maximum total dose: 0.6 L product/ha/crop.

Pre-emergence

Apply as a pre-emergence application before the end of October, within a treatment programme with other herbicides.

Post-emergence

Apply as a post crop emergence application between the one leaf stage (GS11) up to and including the three tiller stage (GS23) of winter wheat, within a treatment programme with other herbicides.

Application

Apply as a MEDIUM spray (BCPC definition) using conventional hydraulic sprayers in 200-300 L water/ha.

MIXING

Half fill the spray tank with water and start agitation. Add the required amount of XERTON to the sprayer tank and fill up with water whilst agitating. Use immediately. Continue agitation until spraying is complete.

WEEDS CONTROLLED

XERTON is a selective systemic herbicide for the control of Annual meadow-grass (*Poa annua*) and Loose silky-bent (*Apera spica-venti*), from before weeds have emerged until early tillering.

	Pre-emergence	1-3 true leaves	4 true leaf stage - 1 tiller
Annual meadow-grass (<i>Poa annua</i>)	Susceptible	Susceptible	Moderately Susceptible
Loose silky-bent (<i>Apera spica-venti</i>)	-	Moderately Susceptible	Moderately Susceptible

SUCCEEDING CROPS

In case of crop failure or after a normal harvest, do not sow any crops within 120 days of using Xerton except sugar beet, fodder beet, mangel and red beet. Ploughing to a minimum depth of 15 cm should precede preparation of a new seed bed.

RESTRICTIONS/ WARNINGS

Crop safety

All varieties of winter wheat may be treated with XERTON, but adverse crop effects (e.g. delayed emergence, reduction in vigour) may be observed when;

- Heavy rainfall occurs over a short time.
- There is prolonged wet weather before and after application, particularly where soils become waterlogged.

- The crop is under stress for any of a range of reasons, including but not limited to pests, disease, poor nutrition, poor seedbed conditions, frost, wind or hail damage or previous chemical treatments.

Risks of adverse effects are higher for pre-emergence applications when the crop is under one or more of the above conditions.

These effects are typically transitory in nature and will have no adverse effect on crop yield in most cases.

DO NOT overlap spray bouts when used alone or in sequence with other herbicides. DO NOT soil incorporate.

DO NOT roll or harrow at application or within one week before application.

DO NOT treat broadcast crops as uncovered seed may be damaged.

Shallow drilled crops must only be treated post-emergence.

Xerton should only be used on varieties primarily planted in the winter that typically require vernalisation.

WEATHER CONDITIONS & WEED CONTROL

In seasons of above average rainfall, or where heavy rain falls shortly after application, the overall level of weed control may be reduced. Do not spray during prolonged periods of frosty weather or when frost is imminent.

Sufficient soil moisture is necessary for residual activity. Residual control may be reduced under prolonged dry conditions.

SOIL TYPES AND SOIL CONDITIONS

Do not use on water-logged soil or soils prone to water logging. XERTON should not be used on sandy soils (ADAS Soil Texture (85) classification) or on soils containing a high percentage of stones. Do not use on soils containing above 10% organic matter.

The seedbed should have a good fine, firm tilth, be free of clods and loose soils should be consolidated, otherwise reduced weed control or crop damage from inadequate seed cover may occur. On stony or gravelly soils there is a risk of crop damage, especially if heavy rain falls soon after application.

RESISTANCE MANAGEMENT

Key elements of the resistance management strategy for XERTON:

- Always follow WRAG guidelines for preventing and managing herbicide resistant weeds.
- Maximise the use of cultural control measures wherever possible (e.g. crop rotation, ploughing, stale seedbeds, delayed drilling, etc).
- Use tank mixes or sequences of effective herbicides with different modes of action within individual crops, or successive crops.
- Apply pre-emergence of weeds wherever possible. If applications are delayed, apply post-emergence products/mixtures to small, actively growing weeds, especially where high levels of resistance are suspected and to reduce the risk of resistance development.
- Monitor fields regularly and investigate the reasons for any poor control.

Strains of some annual grasses (e.g. *Alopecurus myosuroides*, *Avena fatua* and *Lolium multiflorum*) have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the AHDB, CPA, your distributor, crop adviser or product manufacturer.

COMPATIBILITY

For information on tank mixes please see the UPL website (www.upl-ltd.com/uk).

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 and 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. Our staff or agents cannot vary these conditions whether or not they supervise or assist in the use of such goods. XERTON is a registered trademark of UPL Europe Ltd. Other brand names used in this guide are trademarks of other manufacturers for which propriety rights may exist. 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.