



Luxiris®



MAPP 21523

A suspo-emulsion containing 333 g/l cinmethylin and 40 g/l diflufenican for use as a residual and contact herbicide for the control of a range of grass weeds and broadleaved weeds in Winter Wheat and Spring Barley.

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

This product must be sold and used only in England, Scotland and Wales.

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 (FACESHIELD) when handling the concentrate.

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

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS before eating and after work.

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

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

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 as specified for the crop.

HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY FOR ALL USES

Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Directorate's website.

Maintain three star operating conditions until 30 m from the top of the bank of any surface water bodies.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 6 metres of the top of the bank of a static or flowing water body, or within 1 metre of the top of a ditch which is dry at the time of application.

Aim spray away from water.

NOTE: BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME.

The statutory buffer zone must be maintained and the distance recorded in Section A of the LERAP record form.

The LERAP record form must be kept available for three years.

To protect non-target plants respect an untreated buffer zone of 5 metres to non-crop land.

Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

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

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

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.

This label is compliant with the CPA Voluntary Initiative Guidance

Supplied by:

BASF plc, 4th and 5th Floors, 2 Stockport Exchange, Railway Road, Stockport, SK1 3GG Telephone: 0161 475 3000

Emergency Information (24 hours freephone):

0049 180 227 3112

Technical Enquiries: 0845 602 2553 (office hours)

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81189230 GB 2026



Luxiris®

A suspo-emulsion containing 333 g/l cinmethylin and 40 g/l diflufenican.

Warning

May cause an allergic skin reaction.

Causes skin irritation.

Causes serious eye irritation.

May cause damage to the nervous system.

Very toxic to aquatic life with long lasting effects.

Do not breath mist or vapour or spray.

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

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

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.

May produce an allergic reaction. Contains: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3 :1)

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



IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL HERBICIDE as directed below:

Crops	Maximum individual dose	Maximum Number of treatments	Latest time of application	Aquatic buffer zone distance
Winter Wheat Spring Barley	1.5 litres product/ha	1 per crop	Up to and including the three-leaf stage (GS13)	6 metres

Other Specific Restrictions:

Do not apply by hand-held equipment.

Buffer zones greater than 5m are NOT eligible for buffer zone reduction under the LERAP scheme.

Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Division's website. These operating conditions must be maintained until the operator is 30m from the top of the bank of any surface water bodies

IMPORTANT: Note that goods treated under the terms of this GB authorisation can be legally marketed in Northern Ireland if they are being moved under the Northern Ireland Retail Movement Scheme. All other treated goods can only be marketed in Northern Ireland if they are in accordance with the statutory EU Maximum Residue Level (MRL) set under Regulation (EC) No 396/2005. This may also apply to residues in animal products where treated crops are fed to livestock. Growers are advised to draw this to the attention of distributors and retailers so that EU MRL breaches and any associated enforcement against goods marketed in Northern Ireland are avoided.

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.

Luxiris is a residual and contact herbicide for use in Winter Wheat and Spring Barley. It can be applied once at either a pre-emergence or post emergence application up to and including 3 true leaves of the crop.

Restrictions/Warnings

Efficacy

Some soil moisture is required for residual activity. Control may be reduced under prolonged dry conditions or on soils with a high organic matter content.

Loose or cloddy seedbeds must be consolidated before application otherwise reduced weed control or crop damage may result due to inadequate seed cover. Crop damage may lead to effects on yield.

Do not disturb the soil after application.

Effectiveness using three-star drift reduction technology may be reduced.

Soil Types

Luxiris is suitable for use on all soil types as defined by Soil Texture (85) System, except sands, very light soils and very stony or gravelly soils as there is an increased risk of crop damage.

Do not use on water-logged soil or soils prone to water logging.

Seedbed preparation.

For pre-emergence treatments, seed should be sown into a fine, firm seedbed so that seed is adequately covered with a minimum of 3.0 cm of settled soil. With direct drilled crops, harrow across slits to cover the seed before spraying.

Trash and straw should be incorporated during seedbed preparation

Crop Safety

Do not apply Luxiris before heavy rain and do not use on waterlogged soil or soils prone to waterlogging. Crop thinning or reductions in crop vigour, which may result in yield reductions, can occur if there is very wet weather after application. If a crop check has occurred, this normally grows out after a few weeks and yields are normally unaffected.

Do not apply Luxiris either alone or in tank mixture to crops suffering from stress, which may be caused, for example, by pests, disease, poor seedbed conditions, wind abrasion, nutrient deficiencies or previous chemical treatment.

Shallow drilled crops should only be treated post-emergence

Care should be taken to avoid spray overlap, as crop damage may occur which may not be outgrown and may lead to reduced yield.

Some transient bleaching may be seen after application to some crops. This does not lead to yield loss.

Do not spray during periods of prolonged or severe frosts.

Do not roll emerged crops prior to application

Do not roll autumn treated crops until the spring

Do not incorporate Luxiris into the soil.

Do not use Luxiris in undersown crops or those to be undersown.

Spray drift

Effectiveness using three-star drift reduction technology may be reduced

Avoid spray drift on to neighbouring crops and plants outside the target area.

To protect non-target plants, respect an untreated buffer zone of 5 metres to non-crop land.

Weed control

Susceptibility of weeds to single applications of Luxiris.

Best results will be achieved by application pre-em of the weed or early post-emergence on to small actively growing weeds.

Weed	Luxiris			
	0.75 l/ha		1.5 l/ha	
	pre	post	pre	post
Grass Weeds				
Annual Meadow Grass	S			
Blackgrass			MS	MS up to 2 leaves
Italian Ryegrass			S	MS up to 1 leaf
Perennial Ryegrass*			S	
Loose Silky bent	S			
Broadleaved Weeds				
Cleavers			MS	MS up to 2 whorls
Common Chickweed			S	S up to 3 leaves

Weed	Luxiris			
	0.75 l/ha		1.5 l/ha	
	pre	post	pre	post
Common Field Speedwell			S	S up to 2 leaves
Common Fumitory			MS	S up to 1 leaf
Common Poppy	S			S up to 3 leaves
Cut leaved Cranesbill				MS up to 4 leaves
Field Pansy			S	S up to 2 leaves
Groundsel			S	
Ivy-leaved Speedwell				S up to 2 leaves
Red Dead-nettle			S	
Scented Mayweed			S	S up to 2 leaves
Scentless Mayweed				S up to 2 leaves
Volunteer Oilseed Rape			S	S up to 2 leaves
Wall Speedwell				S up to 2 leaves

*From seed
S=Susceptible
MS=Moderately Susceptible

Resistance Management

GROUP	12	30	HERBICIDES
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Strains of some annual grasses (e.g. Black-grass, Wild-Oats, and Italian Ryegrass) have developed resistance to herbicides, which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Luxiris contains cinmethylin which belong to the HRAC group 30 class of herbicides (inhibition of Fatty Acid Thioesterase) and diflufenican which belongs to HRAC group 12 (inhibition of PDS).

Repeated use of herbicides with the same mode of action can increase the risk of strains of weeds developing resistance to these compounds, leading to poor control. In order to minimise the risk, a strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group (WRAG) and can be found on the WRAG website: The Weed Resistance Action Group (WRAG) | ADHB. Alternatively contact Croplife UK, your distributor, crop advisor or product manufacturer.

Key elements of the weed resistance management strategy for Luxiris include:-

- 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).
- Adopt as diverse a rotation as possible using autumn and spring sown crops.
- Use a program of tank mixes or herbicide sequences with different modes of action within individual crops or succeeding crops. Do not rely on one mode of action for the control of grass or broad-leaved weeds in the same field over several years.
- Apply post-emergence products/mixtures to small, actively growing weeds to maximise the level of control.
- Monitor fields regularly and investigate the reasons for any poor control.

Crop Specific Information

Crops

Luxiris can be used on all varieties of winter wheat and spring barley.

Time of application

Luxiris should be applied from pre-emergence up to and including GS 13 of the crop.

Rate of Application

Apply Luxiris at 1.5 litres per hectare.

Following Crops

Following crops after a normal harvest

There are no restrictions on following crops after the normal harvest of winter wheat treated with Luxiris alone.

In the autumn following normal harvest of spring barley, plough to 150 mm and thoroughly mix the soil before drilling or planting any following crops. Only drill winter cereals, oilseed rape, field beans, peas, leaf brassicas, sugar beet seed crops and winter onion.

Where Luxiris and other products containing diflufenican are applied to successive cereal crops, levels of diflufenican will build up in the soil. Even where ploughing or cultivation is carried out there may still be a risk of damage to following crops of onions, leek and related species, or clover. As a precaution users who rent out their land to growers of these crops should not use diflufenican-containing products in successive years before renting out the land.

In the event of Crop failure

In the event of crop failure the following crops may be sown in accordance with the minimum interval after application specified in the following table:

Spring Barley	Minimum interval of 4 months, deep and intensive soil preparation to be carried out before planting to a minimum of 15 cm
Spring Pea	
Spring Bean	
Soybean	
Maize	Minimum interval of 5 months, deep and intensive soil preparation to be carried out before planting to a minimum of 15 cm
Sugar Beet	
Spring Wheat	
Spring Durum Wheat	
Winter Wheat	Not recommended

Soil preparation should be applied as soon as the crop failure is detected and favourable seed bed conditions shall be established to foster quick crop establishment and development.

Mixing and Application

Mixing

Never prepare more spray solution than is required.

Fill the spray tank three quarters full with water and start the agitation. To ensure thorough mixing of the product, invert the container several times before opening. Add the required quantity of Luxiris to the spray tank while re-circulating. Continue agitation until spraying is completed.

On emptying the product 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.

Application

Apply Luxiris in a water volume of 100 – 400 litres per hectare.

Apply with a MEDIUM spray as defined by BCPC.

To ensure optimum spray coverage and minimize spray drift, adjust the spray boom to the appropriate height above the crop, according to guidance provided by the sprayer and/or nozzle manufacturer.

Sprayer cleaning

After spraying, thoroughly clean and flush out application machinery with a minimum of two rinses to ensure that all traces of the product are removed.

Compatibility

For details of compatibilities contact your local BASF representative, the BASF Technical Services Hotline: 0845 602 2553 or visit our website www.agricentre.basf.co.uk

The following does not form part of the authorised label text.

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 Product Regulations (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:



agricentre.basf.co.uk/Luxiris/MSDS

Alternatively, contact your supplier.



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Aim spray away from water.

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The statutory buffer zone must be maintained and the distance recorded in Section A of the LERAP record form.

The LERAP record form must be kept available for three years.

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Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

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

DO NOT RE-USE CONTAINER FOR ANY PURPOSE.

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