

CAUTION

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Luximax[®]

Herbicide

ACTIVE CONSTITUENT: 750 g/L CINMETHYLIN

GROUP	30	HERBICIDE
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For the pre-emergence control of annual ryegrass, barley grass, silver grass and toad rush and suppression of brome grass and wild oats in wheat (not durum wheat) and canola as indicated in the Directions for Use table.

IMPORTANT: READ THE SAFETY DIRECTIONS BEFORE USING THIS PRODUCT

CONTENTS: 1L - 1000L

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APVMA Approval No.: 86413/149219



RESTRAINTS

- DO NOT apply by aircraft.
- DO NOT apply if heavy rains or storms are forecast within 3 days.
- DO NOT irrigate to the point of runoff for at least 3 days after application.
- DO NOT apply to waterlogged soil.
- DO NOT apply unless incorporation by sowing (IBS) can occur within 3 days.
- DO NOT apply more than 1 application per season.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift.

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the buffer zone table below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Application rate	Boom height above the target canopy	Mandatory buffer zones				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to maximum label rate	0.5 m or lower	0 metres	0 metres	0 metres	35 metres	5 metres
	1.0 m or lower	0 metres	25 metres	0 metres	90 metres	45 metres

DIRECTIONS FOR USE

CROP	WEEDS	RATE	CRITICAL COMMENTS
Wheat (not Durum wheat) and Canola	Annual ryegrass (<i>Lolium rigidum</i>) Barley grass (<i>Hordeum leporinum</i>) Silver grass (<i>Vulpia</i> spp.) Toad rush (<i>Juncus bufonius</i>)	333 to 500 mL/ha	<p>Apply pre-sowing and incorporate by sowing (IBS) using knife point tyne and press-wheel seeding system. For best results, apply just prior to sowing (refer to GENERAL INSTRUCTIONS).</p> <p>Planting equipment should be set up to ensure adequate seed and herbicide separation to ensure crop safety. Wheat is required to be planted well below the herbicide treated band with a minimum 3 cm sowing depth. Canola should be planted at a depth that ensures that the seed is covered by soil.</p> <p>Avoid throwing treated soil into adjacent crop rows or use in situations where furrow collapse may occur. To reduce the risk of adverse crop effects, refer to Crop Safety in GENERAL INSTRUCTIONS.</p> <p>To optimise weed control apply directly to uncultivated soil. Weed control may be greatly reduced where weed seeds have been buried by cultivation prior to sowing.</p>
	Suppression of; Wild oats (<i>Avena</i> spp.) Brome grass (<i>Bromus</i> spp.)	500 mL/ha	<p>Apply the higher rate where conditions are not optimal or where higher weed densities are expected.</p> <p>Weed control may be adversely affected by;</p> <ul style="list-style-type: none"> • uneven application, • application to ridged or cloddy soil, • stubble, plant residue or other ground cover particularly where this exceeds 50%, • germinated and emerged weeds that are not controlled by a knockdown herbicide, • insufficient rainfall within 7-10 days after application, • use in soil prone to leaching where rainfall which is sufficiently heavy to cause movement of the herbicide out of the weed seed zone. <p>These factors when combined may substantially reduce weed control.</p> <p>Luximax® Herbicide will control weeds which have developed resistance to other mode of action herbicides.</p>

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED

GRAZING

WHEAT: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 WEEKS AFTER APPLICATION.
CANOLA: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 10 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

Luximax® Herbicide is a pre-emergent residual herbicide and will not control weeds which have already germinated or emerged prior to application. A knockdown herbicide should be used to control emerged weeds. Luximax® Herbicide is primarily absorbed by roots of germinating weeds. Optimum weed control is achieved when Luximax® Herbicide is applied evenly to uncultivated moist soil, free of clods and heavy trash residues just prior to incorporation and incorporated by sowing as soon as practical and within three days. Weeds germinating in the seed row may not be controlled. Weeds germinating from depth, weeds just about to emerge, or weeds that have emerged which are not controlled by a knockdown herbicide at sowing may not be controlled. Adequate rainfall or irrigation should occur within 7 days of application to ensure activation and uptake of the herbicide by germinating weeds.

To ensure thorough soil coverage, Luximax® Herbicide should be applied in a minimum of 70L/ha water.

CROP SAFETY

Crop selectivity is achieved through separation of the seed from the herbicide treated band. In wheat, planting equipment should be set up to ensure seed is planted well below the treated band (minimum 3 cm sowing depth). In canola, ensure seed is planted so that seed is covered by soil. Use knife points and press wheels to provide good separation of herbicide and closure of the planting row.

When applying Luximax® Herbicide consider the following:

- Ensure treated soil from one sowing furrow is not thrown into an adjacent furrow when sowing.
- Avoid situations which could result in concentration of the herbicide in the planting row.
- Avoid shallow planting, particularly in lighter soils.
- Avoid application to cultivated soils.
- Avoid application to soils which are water repellent or crusted or prone to waterlogging, as this will increase movement of the herbicide into the planting row and increase damage.
- Avoid conditions which result in poor crop root development such as waterlogging, which may lead to an increase in crop damage.
- Heavy rainfall following sowing may increase the likelihood of crop damage.
- DO NOT apply in combinations with Sakura or Boxer Gold as increased crop damage may occur.
- DO NOT undersow with pasture species (legumes or grasses) following the application of Luximax® Herbicide.

MIXING

Half fill the spray tank with clean water. Commence agitation and add the required amount of product to the tank. Maintain agitation whilst filling the tank and throughout the spraying operation.

Luximax® Herbicide is an emulsifiable concentrate formulation. When using in a tank mix with other herbicides the following mix order should be observed;

- Half fill the spray tank;
- Add any granule (WG) formulated products first and allow dispersion, followed by any suspension concentrates (SC/flowable);
- Add Luximax® Herbicide and any other EC formulations;
- Add any water-soluble salts (eg glyphosate);
- Add any adjuvants as required for other herbicides.

As water quality can influence compatibility, it is recommended that mixtures should be bottle-tested in the water intended for spraying, prior to mixing commercial quantities.

APPLICATION

Ground application: Apply with flat fan nozzles in a spray volume of 70-150L of water per hectare using standard boom spraying equipment. Application as a MEDIUM spray quality using air induction nozzles is recommended. Ensure complete and even spray coverage of the soil is achieved.

SPRAYER CLEANUP

Following use, the sprayer should be cleaned before being used for application of other products. Empty the tank completely and drain the whole system. Quarter fill the tank with clean water directing stream into the tank. Circulate through the pump, the hoses and nozzles then drain. Repeat if necessary. Finally remove and clean all filters (tank, in-line and nozzle) separately. This will provide an effective cleaning technique for Luximax® Herbicide. A boom cleaner may be used as part of the procedure.

CROP PLANT BACK & ROTATION RECOMMENDATIONS

Luximax® Herbicide does not provide long-term residual activity; however, certain crops show sensitivity to soil residues. Refer to the following table for application-to-sow intervals.

Rotation crop	Time from Luximax® application to replant
Winter Wheat	9 months
Durum	9 months
Barley	9 months
Oats (Tame)	9 months
Field Pea	9 months
Faba Bean	9 months
Chickpea	9 months
Lentil	9 months
Cotton	3 months
Sorghum	3 months
Maize	3 months
Mungbean	3 months
Sunflower	3 months

Check the label of any product mixed with Luximax® Herbicide, to determine any plant back periods or restrictions on use.

COMPATIBILITY

Luximax® Herbicide is compatible with the following products in a two-way tank-mix (maintain constant agitation throughout): Avadex* (triallate), Arcade* (prosulfocarb), carfentrazone, glyphosate, metsulfuron, oxyfluorfen, Liberty® ULTRA, paraquat, propyzamide, Sharpen® Herbicide, trifluralin, Tenet*, Terbyne* Xtreme and Voraxor® Herbicide.

As formulations of other manufacturer's products are beyond the control of BASF, and the quality of water may vary with location, all mixtures should be tested prior to mixing commercial quantities. When determining physical compatibility of a product not listed above, or in mixes with Luximax® Herbicide more than a two-way mix, conduct a jar test prior to mixing commercial quantities.

HERBICIDE RESISTANCE WARNING

GROUP	30	HERBICIDE
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Luximax® Herbicide is a member of the benzyl ether group of herbicides. Luximax® Herbicide acts by inhibiting the enzyme fatty acid thioesterase, which disrupts fatty acid biosynthesis. For weed resistance management Luximax® Herbicide is a Group 30 herbicide. Some naturally occurring weed biotypes resistant to this product and Group 30 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or Group 30 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, BASF Australia Limited accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

Resistance Management

Luximax® Herbicide will control weeds which have developed resistance to other mode of action herbicides. Where possible, Luximax® Herbicide should be used as a part of an integrated weed management program which includes herbicides from other modes of action and non-chemical methods. CropLife resistance management strategies are available from BASF sales representatives and from CropLife at www.croplife.com.au

RE-ENTRY PERIOD

Do not enter treated areas until the spray has dried, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Gloves and clothing must be laundered after each day's use.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

STORAGE

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.

DISPOSAL

1L, 10L, 20L: Triple-rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

110L: Empty container by pumping through the drybreak Micromatic connection system. Ensure that the Micromatic coupler, pump, meter and hoses are disconnected, triple rinsed with clean water and drained after each use. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. When empty, or contents no longer required, return the container to the point of purchase.

Bulk packs: Empty contents fully into application equipment. DO NOT dispose of undiluted chemicals on site. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Will irritate the eyes and skin. Repeated exposure may cause allergic disorders. Avoid contact with eyes and skin. When opening the container and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, PVC or rubber apron and elbow-length chemical resistant gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS).

CONDITIONS OF SALE

All conditions and warranties rights and remedies implied by law or arising in contract or tort whether due to the negligence of BASF Australia Ltd or otherwise are hereby expressly excluded so far as the same may legally be done provided however that any rights of the Buyer pursuant to non-excludable conditions or warranties of the Competition and Consumer Act 2010 or any relevant legislation of any State are expressly preserved but the liability of BASF Australia Ltd or any intermediate Seller pursuant thereto shall be limited if so permitted by the said legislation to the replacement of the goods sold or the supply of equivalent goods and all liability for indirect or consequential loss or damage of whatsoever nature is expressly excluded. This product must be used or applied strictly in accordance with the instructions appearing hereon. This product is solely sold for use in Australia and must not be exported without the prior written consent of BASF Australia Ltd.



We create chemistry

APVMA Approval No: 86413/149219

Batch No:

Date of Manufacture:

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FOR SPECIALIST ADVICE IN AN

EMERGENCY ONLY

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GHS STATEMENTS

Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. May cause respiratory irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read carefully and follow all instructions. Wear protective gloves. Avoid breathing mist or vapour or spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated body parts thoroughly after handling. Call a POISON CENTRE or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If skin irritation or rash occurs: Get medical advice/attention. Collect spillage. Take off contaminated clothing and wash it before reuse. Store in a well-ventilated place. Keep container tightly closed. Store locked up.