



**Australian Government**

**Australian Pesticides and  
Veterinary Medicines Authority**

**PERMIT TO ALLOW RESEARCH USE AND SUPPLY OF AN AGVET CHEMICAL  
PRODUCT FOR PRE-EMERGENT CONTROL OF GRASS WEEDS IN WHEAT**

**PERMIT NUMBER - 87206**

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agvet Codes of the jurisdictions set out below. This permit allows a Supplier (as indicated) to possess the product for the purposes of supply and to supply the product to a person who can use the product under permit. This permit also allows a person, as stipulated below, to use the product in the manner specified in this permit in the designated jurisdictions. This permit also allows the Permit Holder, the Supplier (if not one and the same) and any person stipulated below to claim that the product can be used in the manner specified in this permit.

**THIS PERMIT IS IN FORCE FROM 15 FEBRUARY 2019 TO 28 FEBRUARY 2020.**

**Permit Holder and Supplier:**

BASF AUSTRALIA LTD  
LEVEL 12, 28 FRESHWATER PLACE,  
SOUTHBANK, VIC, 3006

**Persons who can use the product under this permit:**

All persons acting as trial collaborators for the purposes of this trial and under the direction of the Permit Holder.

## CONDITIONS OF USE

### Product to be used:

LUXIMO HERBICIDE,

Containing: 750 g/L CINMETHYLIN as its only active constituent.

### Directions for Use:

Crop	Weeds	Rate
Wheat	Annual ryegrass ( <i>Lolium rigidum</i> )  Wild oats ( <i>Avena</i> spp.)  Brome grass ( <i>Bromus</i> spp.)	500 mL/ha

### Critical Use Comments:

- Apply in **strict** accordance with information listed in **Attachment 1**.
- Apply using ground based boom spray with a minimum spray volume of 70 L/ha.
- Incorporate by sowing (IBS) using knife point and press-wheels
- DO NOT make more than 1 application per season.

### Withholding Period:

Harvest: DO NOT harvest grain from plants grown.

Grazing/Stockfeed: DO NOT graze or cut for stock feed.

**(CROP-DESTRUCT RESEARCH TRIAL)**

### Jurisdiction:

NSW, SA, VIC and WA only.

Unless otherwise stated in this permit, the use of the product must be in accordance with instructions on its label (Attachment 1).

Persons who wish to prepare for use and/or use products for the purposes specified in this permit must read, or have read to them, the details and conditions of this permit.

### Maximum Area to be Treated:

A total area not exceeding 1500 ha in all States.

### Supply and record keeping:

- The supplier must supply the product in a container that complies with the requirements of section 18(1) of the Agricultural and Veterinary Chemicals Code Regulations. Attached to this container must be a label which is identical in content and format to the labels in Attachment 1.
- The permit holder or supplier must not supply an amount of product that exceeds the quantity stated in this permit required to treat any nominated area. A receipt for each supply

must include details of the person/s, quantity of product, area to be treated and date when supply occurred.

- The permit holder or supplier must at the time of the supply of the product provide to the person a copy of the permit in full setting out the conditions and/or instructions for use or schedule to the permit approved by the APVMA that sets out the conditions and/or instructions for use.
- This permit allows only the person or company listed as the Supplier to possess the product for the purposes of supply and to supply the product to a person who can use the product under the conditions of this permit.
- The permit holder may only publish notices to call for persons to participate in research. Publishing a notice by any means offering to supply the product is an offence against the Agvet Code and not exempted by issue of this permit.
- The permit holder must maintain records of the research performed under this permit. Specifically the records must include the date and location where the trials were conducted, commodities treated, rates and frequency of application, total amount of product used and the names and addresses of the persons conducting the research and confirmation that at the time of supply of the product a copy of the permit was provided to them in full setting out the conditions and/or instructions for use or schedule to the permit approved by the APVMA that sets out the conditions and/or instructions for use. The records must be progressively maintained whilst the permit is in force and for a minimum period of two years from the date of expiry of this permit and must be made available to the APVMA upon request.
- Upon a request being made, the records are to be provided:
  - immediately if the request is verbally from an APVMA *Inspector* who has attended the premises
  - in the time specified in the written correspondence containing the request.
- The records regarding persons, amount of product supplied, commodities to be treated, hectares to be treated and confirmation that at the time of supply of the product a copy of the permit in full setting out the conditions and/or instructions for use or schedule to the permit approved by the APVMA that sets out the conditions and/or instructions for use was provided to them must be made at the time of supply of the chemical product. Details of the amount of product used, rates and frequency of application must be made within 7 days of the permit holder becoming aware.
- Upon a request being made, all records relating to the original research protocol/s and/or research planning prepared by the Permit Holder to conduct scientific research under this permit must be made available to an APVMA Inspector within 24 hours.

Issued by Australian Pesticides and Veterinary Medicines Authority

ATTACHMENT 1

**CAUTION**

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

**LUXIMO HERBICIDE**

**ACTIVE CONSTITUENT: 750 g/L CINMETHYLIN**  
**SOLVENT: 77.3 g/L LIQUID HYDROCARBONS**



For the pre-emergence control of annual ryegrass (*Lolium rigidum*) and suppression of certain grass weeds in wheat (not durum wheat) as indicated in the Directions for Use table.

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

CONTENTS: 5L, 10L

BASF Australia Ltd ABN 62 008 437 867  
Level 12, 28 Freshwater Place Southbank VICTORIA 3006

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**FOR CROP-DESTRUCT RESEARCH PURPOSES ONLY**  
**THIS PRODUCT IS NOT REGISTERED**

## DIRECTIONS FOR USE

### RESTRAINTS

DO NOT apply by air.

DO NOT apply if HEAVY rain is expected within 48 hours.

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.

DO NOT apply where the slope exceeds 4%.

### SPRAY DRIFT RESTRAINTS

DO NOT apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the British Crop Production Council guideline.

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour, as measured at the application site.

DO NOT apply during surface temperature inversion conditions at the application site.

Users of this product MUST make an accurate written record of the details of each spray application within 24 hours following application, and must KEEP this record for at least 2 years. The spray application details that must be recorded are:

1. date with start and finish times of application
2. location address and paddock(s) sprayed
3. full name of this product
4. amount of product used per hectare and number of hectares applied to
5. crop or situation and weed or pest
6. wind speed and direction during application
7. air temperature and relative humidity during application
8. nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application
9. name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)

### MANDATORY NO-SPRAY ZONES

DO NOT apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat downwind from the application area and within the mandatory no-spray zones shown in the table below:

<b>No-spray zones for protection of the terrestrial environment</b>	
	<b>Downwind Mandatory No-Spray Zone</b>
<b>For ground application</b>	
From 3 to 20 kilometres per hour	5 metres

DO NOT apply if there are aquatic or wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the mandatory no-spray zones shown in the table below:

<b>No-spray zones for protection of the aquatic environment</b>	
	<b>Downwind Mandatory No-Spray Zone</b>
<b>For ground application</b>	
From 3 to 20 kilometres per hour	5 metres

## DIRECTIONS FOR USE

CROP	WEED	RATE	CRITICAL COMMENTS
Wheat (not Durum wheat)	Annual ryegrass ( <i>Lolium rigidum</i> )	500mL/ha	<p>Apply pre-sowing and incorporate by sowing (IBS) using knife point and press-wheels. For best results, apply just prior to sowing (refer to <b>Interval between Application and Sowing in GENERAL INSTRUCTIONS</b>).</p> <p>Avoid throwing treated soil into adjacent crop rows when sowing with knife point and press wheels.</p> <p>To reduce the risk of adverse crop effects, refer to <b>Crop Safety in GENERAL INSTRUCTIONS</b>.</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> <p>Weed control may be adversely affected by;</p> <ul style="list-style-type: none"> <li>• uneven application,</li> <li>• application to ridged or cloddy soil,</li> <li>• stubble, plant residue or other ground cover particularly where this exceeds 50%,</li> <li>• germinated and emerged weeds that are not controlled by a knockdown herbicide,</li> <li>• insufficient rainfall within 7-10 days after application,</li> <li>• in soil prone to leaching where rainfall which is sufficiently heavy to cause movement of the herbicide out of the weed seed zone.</li> </ul> <p>These factors when combined may substantially reduce weed control.</p> <p>LUXIMO HERBICIDE will control weeds which have developed resistance to other mode of action herbicides.</p>
	Suppression of;		
	Wild oats ( <i>Avena</i> spp.)		
	Brome grass ( <i>Bromus</i> spp.)		

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

**WITHHOLDING PERIOD:**

**HARVEST:** DO NOT HARVEST GRAIN FROM PLANTS GROWN.

**GRAZING/STOCKFEED:** DO NOT GRAZE ANY TREATED PLANTS OR CUT FOR STOCK FOOD. DO NOT FEED TREATED GRAIN TO ANIMALS, INCLUDING POULTRY.

## GENERAL INSTRUCTIONS

LUXIMO 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. LUXIMO HERBICIDE is primarily absorbed by roots of germinating weeds. Optimum weed control is achieved when LUXIMO 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. 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, LUXIMO 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. Planting equipment should be set up to ensure seed is planted well below the treated band (minimum 3 cm sowing depth). Use knife points and press wheels to provide good separation of herbicide and closure of the planting row.

When applying LUXIMO HERBICIDE consider the following:

- Ensure treated soil from one sowing furrow is not to be 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 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 LUXIMO 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.

LUXIMO 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 any water-soluble salts (eg glyphosate);
- add LUXIMO HERBICIDE and any other EC formulations

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 (defined by ASAE S572 Standard) using air induction nozzles is recommended. Ensure complete and even spray coverage of the soil is achieved.

### RE-ENTRY PERIOD

Do not enter treated areas until the spray has dried, unless wearing waterproof footwear and waterproof protective clothing and gloves. Clothing must be laundered after each day's use.

## 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 LUXIMO HERBICIDE. A boom cleaner may be used as part of the procedure.

## HERBICIDE RESISTANCE WARNING

**GROUP Z HERBICIDE**

LUXIMO HERBICIDE is a member of the diverse site of action group of herbicides. LUXIMO HERBICIDE acts by inhibiting fatty acid (FA) biosynthesis. For weed resistance management LUXIMO HERBICIDE is a Group Z herbicide. Some naturally occurring weed biotypes resistant to this product and other Group Z 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 other Group Z 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

LUXIMO HERBICIDE will control weeds which have developed resistance to other mode of action herbicides. Where possible, LUXIMO 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](http://www.croplife.com.au).

## RECRIPPING INTERVAL

Crops	Minimal cropping interval
All crops	12 months

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/crops, cropping lands or pastures. DO NOT undersow with pasture species (legumes or grasses) following the application of LUXIMO HERBICIDE.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT apply if HEAVY rain is expected within 48 hours. DO NOT apply unless incorporation by sowing (IBS) can occur within 3 days. DO NOT apply to waterlogged soil.

## PROTECTION OF LIVESTOCK

DO NOT graze any treated plants or cut for stock food.

## STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure 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 bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.



## **SAFETY DIRECTIONS**

### **Mixing/Loading**

Will irritate the nose, throat, eyes and skin. Avoid contact with eyes, skin and clothing. DO NOT inhale. When opening the container and preparing for use, wear elbow-length PVC gloves, PVC apron and face shield or goggles. If product in eyes, wash it out immediately with water. If product on skin, immediately wash area with soap and water. If clothing becomes contaminated with product, remove clothing immediately. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, apron and face shield or goggles and contaminated clothing.

### **Spray Application**

DO NOT work in spray mist. When using the prepared spray, wear waterproof protective clothing, waterproof footwear, impervious gauntlet length gloves (rubber or PVC), goggles and a face mask and respirator covering nose and mouth and capable of filtering spray droplets. A high efficiency type particulate respirator is recommended, but in any event use a respirator which complies with the requirements of AS1716 (Standards Australia). Avoid contacting vegetation wet with spray, but if necessary to do so wear waterproof footwear and waterproof protective clothing and gloves.

### **FIRST AID**

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26; New Zealand 0800 764 766.

### **SAFETY DATA SHEET**

Additional information is listed in the Safety Data Sheet available from your supplier.

### **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.

### **FOR RESEARCH PURPOSES ONLY – THIS PRODUCT IS NOT REGISTERED (This is a crop-destruct trial)**

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**FOR SPECIALIST ADVICE IN AN EMERGENCY ONLY PHONE 1800 803 440 TOLL FREE-ALL HOURS-  
AUSTRALIA WIDE**