

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

LIFT
HERE



Clearfield[®]
Production System

Lightning[®]

Herbicide

ACTIVE CONSTITUENTS: 525g/kg IMAZETHAPYR, 175g/kg IMAZAPYR

GROUP B HERBICIDE

For the early post-emergence control of certain annual grass and broadleaved weeds as part of the **Clearfield**[®] Production System for maize, as specified in the DIRECTIONS FOR USE section of this label.

IMPORTANT: READ THIS LEAFLET BEFORE USING THIS PRODUCT

Net Content:
1 KG

 **BASF**
We create chemistry

BASF Australia Ltd ABN 62 008 437 867, Level 12, 28 Freshwater Place, Southbank VICTORIA 3006
www.agro.basf.com.au APVMA Approval No.: 52742/0801 © Registered trademark of BASF. 240214-10
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DIRECTIONS FOR USE

RESTRAINTS

Apply **ONLY** to certified maize varieties with CLEARFIELD Technology. **DO NOT** apply to any other maize varieties.

DO NOT apply to crops which are stressed due to conditions such as waterlogging, frost, disease or nutritional disorders.

DO NOT apply by aircraft.

CROP	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Maize varieties with CLEARFIELD Technology only	Boggabri weed (<i>Amaranthus mitchellii</i>), turnip weed (<i>Rapistrum rugosum</i>), *Anoda weed (<i>Anoda cristata</i>), *barnyard grass/ awnless barnyard grass (<i>Echinochloa</i> spp.), *caustic creeper (<i>Euphorbia drummondii</i>), *crowsfoot grass (<i>Eleusine indica</i>), *Johnson grass (<i>Sorghum halepense</i>) (seedling only)	RATE 100g/ha plus Hasten™ ¹ or Kwickin™ ² at 1L/100L spray volume	Apply to crops in the 2 to 6 leaf stage. Apply early post-emergence to actively growing weeds in the 2 to 4 leaf stage. Weeds may not be totally controlled but populations will be significantly reduced and surviving plants will generally be severely retarded. Good crop growth will aid weed control. * Surviving plants will generally be retarded and will not compete with the crop. DO NOT apply more than once per cropping season. Populations of weeds resistant to Group B herbicides exist in the field and will not be adequately controlled by LIGHTNING Herbicide.
	Ground cherry (<i>Physalis ixocarpa</i>), wild gooseberry (<i>Physalis minima</i>), *nutgrass (<i>Cyperus rotundus</i>)	125g/ha plus Hasten or Kwickin at 1L/100L spray volume	

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

WITHHOLDING PERIOD:**MAIZE WITH CLEARFIELD TECHNOLOGY:**

HARVEST FOR GRAIN – NOT REQUIRED WHEN USED AS DIRECTED.

DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.

GENERAL INSTRUCTIONS

LIGHTNING Herbicide is for use in maize varieties with CLEARFIELD Technology only. Varieties with CLEARFIELD Technology are those which have been bred specifically to be tolerant to LIGHTNING Herbicide. LIGHTNING is an early-post-emergence herbicide with some residual soil activity under good soil moisture conditions. Residual effects on weeds can be variable, where dry soil surface conditions follow the application of LIGHTNING, because the herbicide is not freely available to the weeds. Best weed control will be achieved when application is made to young weeds. The product must be mixed with Hasten or Kwickin as per the Directions for Use. Treated weeds will either die or will remain stunted and will not compete with the crop.

MIXING

LIGHTNING Herbicide is a water dispersible granule formulation. Part-fill the spray tank with water, then with agitator running, add the required amount of product, then fill the tank with water. When tank mixing this product with other recommended compatible products, first add the other product to the tank and mix thoroughly before adding this product.

APPLICATION

DO NOT apply by aircraft. Apply in a minimum 50L water per hectare.

EQUIPMENT CLEAN-UP

Thoroughly flush all spray equipment with water following the use of LIGHTNING and before use with other products.

COMPATIBILITY

LIGHTNING is compatible with FASTAC® 100, FASTAC Duo, chlorpyrifos, dimethoate, omethoate, endosulfan and 2,4-D.

HERBICIDE RESISTANCE WARNING

GROUP **B** HERBICIDE

LIGHTNING Herbicide is a member of the Imidazolinone group of herbicides. The product has the inhibitors of acetolactate-synthase (ALS) mode of action. For weed resistance management, the product is a Group B herbicide. Some naturally-occurring weed biotypes resistant to the product and other Group B 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 B herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, BASF Australia Ltd accepts no liability for any losses that may result from failure of this product to control resistant weeds.

BEST MANAGEMENT PRACTICE (BMP) PROGRAMME

A detailed programme has been developed that outlines an integrated weed management approach, designed to optimise the performance of the CLEARFIELD Production System and minimise the potential for the development of herbicide resistance in weed populations.

Before using this product, the BMP programme related to this use should be consulted.

Implementation of the integrated weed management approach outlined in the BMP is an essential part of herbicide resistance management.

FOLLOW CROPS

Under conditions which do not favour breakdown of this product, carry-over soil residues can affect susceptible follow crops. As environmental and agronomic factors make it impossible to eliminate all risks associated with this product, rotational crop injury is always possible. The following minimum re-cropping intervals (months after application) should be observed.

Irrigated only:

MONTHS AFTER APPLICATION			
0	5	10	18
Maize varieties with CLEARFIELD Technology ONLY	chickpeas lucerne lupins pasture legumes	**maize (except for varieties with CLEARFIELD Technology; see 0 months)	all other crops (providing rainfall and irrigation exceeds 2000mm)
canola varieties with CLEARFIELD Technology ONLY	*barley *wheat (except for varieties with CLEARFIELD Technology; see 0 months)	**sorghum	
mung beans peanuts soybeans			
wheat varieties with CLEARFIELD Technology ONLY			

* DO NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 500mm.

** DO NOT plant these crops unless interim moisture (rainfall plus irrigation) from application to sowing is at least 800mm.

Dryland only:

MONTHS AFTER APPLICATION				
0	10	18	22	27
Maize varieties with CLEARFIELD Technology ONLY	**maize (except for varieties with CLEARFIELD Technology; see 0 months)	chickpeas lucerne lupins pasture legumes	cotton maize (except for varieties with CLEARFIELD Technology; see 0 months)	all other crops (providing rainfall exceeds 2000mm)
canola varieties with CLEARFIELD Technology ONLY	**sorghum	*barley *wheat	sorghum sunflower	
mung beans peanuts soybeans				
wheat varieties with CLEARFIELD Technology ONLY				

* DO NOT plant these crops unless interim rainfall from application to sowing is at least 500mm.

** DO NOT plant these crops unless interim rainfall from application to sowing is at least 800mm.

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 spray within 50m of wetlands or waterways.

Crop safety

This product may, in some circumstances, lead to transient crop yellowing and temporary slowing of growth but plants soon recover and yield is unaffected. This effect may be more pronounced when the product is used under poor growth conditions. DO NOT use this product on any maize variety other than specified certified maize varieties with CLEARFIELD Technology. Severe crop damage will result to conventional maize varieties.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container, in a dry, 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

Will damage the eyes. Avoid contact with eyes. If product in eyes, wash it out immediately with water. Wash hands after use. When opening the container and preparing spray, wear goggles. After each day's use, wash goggles.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131126 Australia-wide.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material 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.

LIGHTNING HERBICIDE

525 g/kg IMAZETHAPYR

175 g/kg IMAZAPYR

HAZARD STATEMENTS

Very toxic to aquatic life with long lasting effects. Causes serious eye irritation.

PRECAUTIONARY STATEMENTS (Prevention)

Avoid release to the environment. Wash hands thoroughly after handling. Wear eye protection/face protection.

PRECAUTIONARY STATEMENTS (Response)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage.

APVMA Approval No: 52742/0801

Batch No:

Date of Manufacture:

® = Registered trademark of BASF

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TM2 Trademark of GULLF AG Pty Ltd

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

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