



Australian Government
**Australian Pesticides and
Veterinary Medicines Authority**

PERMIT TO ALLOW MINOR USE OF AN UNREGISTERED AGVET CHEMICAL PRODUCT

**FOR EARLY POST-EMERGENCE CONTROL OF ANNUAL GRASS AND WEEDS IN
CLEARFIELD MAIZE**

PERMIT NUMBER – PER95007

This permit is issued to the Permit Holder in response to an application granted by the APVMA under section 112 of the Agricultural and Veterinary Chemicals Code, scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994* (the Agvet Code). This permit 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 any person to claim that the product can be used in the manner specified in this permit.

THIS PERMIT IS IN FORCE FROM 3 OCTOBER 2024 to 31 OCTOBER 2025

Permit Holder:

AGNOVA TECHNOLOGIES PTY LTD
Unit 4, 482 Kingsford Smith Drive
HAMILTON QLD 4007

Persons who can use the product under this permit:

Persons generally.

CONDITIONS OF USE

Product to be used:

LIGHTNING HERBICIDE [Previously registered as APVMA No. 52742]

Containing: 525 g/kg IMAZETHAPYR and 175 g/kg IMAZAPYR as their only active constituents.

RESTRAINTS:

DO NOT spray within 50 m of wetlands or waterways.

Directions for Use:

Crop Type	Purpose	Application Rate
Maize varieties with CLEARFIELD Technology only	As per label at Attachment 1	As per label at Attachment 1

Critical Use Comments:

- The product must carry the label particulars in Attachment 1.
- The use of the product must be in accordance with the instructions contained on the label at Attachment 1.

Withholding Period:

MAIZE WITH CLEARFIELD TECHNOLOGY:

HARVEST – NOT REQUIRED WHEN USED AS DIRECTED.

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

Jurisdiction:

All States and Territories.

Additional Conditions:

This permit allows for the use of a product in a manner specified on the permit. 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. Unless otherwise stated, the use of the product must be in accordance with the product label at Attachment 1.

The holder of the permit must notify the APVMA of new information, including relevant information in accordance with section 161 of the Schedule to the Agricultural and Veterinary Chemicals Code Act 1994, in accordance with the obligation imposed by that section.

Issued by the Australian Pesticides and Veterinary Medicines Authority

Attachment 1 – Product Label as previously registered by the APVMA

Product Name: LIGHTNING HERBICIDE
 APVMA Approval No: 52742/114328

Label Name:	LIGHTNING HERBICIDE
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Signal Headings:	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	525 g/kg IMAZETHAPYR 175 g/kg IMAZAPYR
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Mode of Action:	GROUP B HERBICIDE
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Statement of Claims:	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.
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Net Contents:	1 kg
Restrains:	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.
Directions for Use:	
Other Limitations:	

Withholding Periods:	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.
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Trade Advice:	
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General Instructions:	
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Resistance Warning:	<p>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.</p> <p>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.</p> <p>BEST MANAGEMENT PRACTICE (BMP) PROGRAM</p> <p>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.</p>
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Precautions:	
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Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>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 50 m of wetlands or waterways.</p> <p>CROP SAFETY</p> <p>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.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Do NOT contaminate streams, rivers or waterways with the chemical or used containers.</p>
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Storage and Disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.</p> <p>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.</p> <p>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</p>
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compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

Safety Directions:	Will damage eyes. Avoid contact with eyes. When opening the container and preparing spray, wear goggles. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash goggles.
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First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 13 11 26 Australia-wide.
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First Aid Warnings:	
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CROP	WEED	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)	100 g/ha plus Hasten ^{TM1} or Kwickin ^{TM2} at 1.0 L/100 L 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>)	125 g/ha plus Hasten or Kwickin at 1.0 L/100 L spray volume	

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

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 100 L water per hectare.

EQUIPMENT CLEAN-UP

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

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

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

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

FOLLOW CROPS cont.

Dryland only:

MONTHS AFTER APPLICATION

0	10	15	22	27
Maize varieties with CLEARFIELD Technology ONLY canola varieties with CLEARFIELD Technology ONLY mung beans peanuts soybeans wheat varieties with CLEARFIELD Technology ONLY	** maize (except for varieties with CLEARFIELD Technology; see 0 months) ** sorghum	chickpeas lucerne lupins pasture legumes *barley *wheat	cotton maize (except for varieties with CLEARFIELD Technology; see 0 months) sorghum sunflower	all other crops (providing rainfall and irrigation exceeds 2000 mm)

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

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