

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

**Midas**[®]

HERBICIDE

Active Constituents: 288.5 g/L MCPA, present as the ETHYL HEXYL ESTER
22.0 g/L IMAZAPIC
7.3 g/L IMAZAPYR

For the early post-emergence control of certain annual grass and broadleaf weeds as part of the CLEARFIELD[®] Production System for wheat as per the DIRECTIONS FOR USE table.

GENERAL INSTRUCTIONS

MIDAS Herbicide is for use in wheat varieties with CLEARFIELD Technology only. Varieties with CLEARFIELD Technology are those which have been bred specifically to be tolerant to MIDAS Herbicide.

MIDAS 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 MIDAS, 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.

Vigorous crop growth will assist in suppressing weeds not completely killed or germinating later.

MIXING

MIDAS Herbicide is an emulsifiable concentrate 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 50 L water per hectare.

EQUIPMENT CLEAN-UP

This product contains MCPA LVE. Thoroughly clean all spray equipment, especially plastic spray lines, using ammonium solution or washing soda, before using on sensitive crops such as canola and legumes.

COMPATIBILITY

MIDAS is compatible with FASTAC[®] 100, FASTAC Duo, dimethoate, omethoate and endosulfan.

RESISTANT WEEDS WARNING

MIDAS Herbicide is a member of the imidazolinone and phenoxy groups of herbicides and acts by inhibiting acetolactate synthase and disrupting plant cell growth. For weed resistance management MIDAS is a Group BI herbicide. Some naturally occurring weed biotypes are resistant to MIDAS and other herbicides which inhibit acetolactate synthase (Group B) and/or disrupt plant cell growth (Group I). 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 inhibitors of acetolactate synthase and/or disruptors of plant cell growth.

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 the failure of this product to control resistant weeds.

BEST MANAGEMENT PRACTICE (BMP) PROGRAMME

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

Consultation on BMP should be undertaken with a CLEARFIELD-accredited agronomist prior to purchasing the CLEARFIELD Production System for wheat. Implementation of 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.

See table next page.

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MONTHS AFTER APPLICATION

0	8	22	34
canola varieties with CLEARFIELD Technology	lucerne lupins oats	safflower	all other crops including canola
chickpeas	pasture legumes		
faba beans	vetch		
field peas	*triticale		
wheat varieties with CLEARFIELD Technology	*barley *wheat (except varieties with CLEARFIELD Technology)		

* The following additional requirements apply if it is intended to sow WHEAT (except varieties with CLEARFIELD Technology), BARLEY or TRITICALE during the next winter season:

- Do NOT apply MIDAS later than the end of August.
- Do NOT use MIDAS in areas where rainfall from spraying to sowing of cereals (except wheat varieties with CLEARFIELD Technology) is expected to be below 250 mm.

If expected rainfall is not received following use of MIDAS, consult your local BASF representative before planting wheat (except wheat varieties with CLEARFIELD Technology), barley or triticale. (In calculating rainfall actually received, exclude single isolated heavy summer and autumn falls above 100 mm).

RE-ENTRY PERIOD

Do NOT allow entry into treated areas for 24 hours. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and a washable hat, goggles and chemical resistant gloves. Clothing must be laundered after each day's use.

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. Canola, cotton, tobacco, grapevines, lupins, fruit trees and ornamentals are especially susceptible to spray drift and vapour movement.

Do NOT spray within 50 m 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 wheat variety other than certified wheat varieties with CLEARFIELD Technology. Severe crop damage will result to conventional wheat 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 cool, well-ventilated area.

Do NOT dispose of undiluted chemicals on-site.

The method of disposal of the container depends on the container type. Read the "Storage and Disposal" instructions on the label that is attached to the container.

SAFETY DIRECTIONS

Will damage eyes. May irritate the skin. Avoid contact with eyes and skin. Do NOT inhale vapour. If product in eyes, wash it out immediately with water. Wash hands after use. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

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

MSDS

Additional information is listed in the Material Safety Data Sheet.

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THIS PRODUCT IS NOT CONSIDERED TO BE A DANGEROUS GOOD UNDER THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL

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DIRECTIONS FOR USE

RESTRAINTS: Apply ONLY to certified wheat varieties with the CLEARFIELD Technology.
 Do NOT apply to any other wheat 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.
 Do NOT apply if rain is expected within 6 hours of application.

CROP	WEED CONTROLLED	STATES	CRITICAL COMMENTS
Wheat varieties with CLEARFIELD Technology only	<p>African turnip weed (<i>Sisymbrium thellungii</i>), Amsinckia (<i>Amsinckia</i> spp.), annual ryegrass* (<i>Lolium rigidum</i>), barley grass (<i>Hordeum leporinum</i>), bedstraw (<i>Galium tricornutum</i>), brome grass (<i>Bromus</i> spp.), capeweed (<i>Arctotheca calendula</i>), clover (<i>Trifolium</i> spp.), corn gromwell (<i>Buglossoides arvensis</i>), crassula (<i>Crassula</i> spp.), deadnettle (<i>Lamium amplexicaule</i>), doublegee (<i>Emex australis</i>), fumitory (<i>Fumaria</i> spp.), hedge mustard (<i>Sisymbrium officinale</i>), Indian hedge mustard (<i>Sisymbrium orientale</i>), London rocket (<i>Sisymbrium irio</i>), Paterson's curse (<i>Echium plantagineum</i>), Phalaris (<i>Phalaris</i> spp.), shepherd's purse (<i>Capsella bursa-pastoris</i>), spear thistle (<i>Cirsium vulgare</i>), spreading night phlox (<i>Zaluzianskya divaricata</i>), toadrush (<i>Juncus bufonius</i>), turnip weed (<i>Rapistrum rugosum</i>), variegated thistle (<i>Silybum marianum</i>), volunteer canola (<i>Brassica napus</i>), volunteer barley (<i>Hordeum vulgare</i>), volunteer wheat (<i>Triticum aestivum</i>) (other than varieties with CLEARFIELD Technology), wild turnip (<i>Brassica tournefortii</i>), wild oats/volunteer oats (<i>Avena</i> spp.), wild radish (<i>Raphanus raphanistrum</i>), wireweed (<i>Polygonum aviculare</i>)</p> <p>Suppression only Cat's-ear (<i>Hypochoeris radicata</i>), climbing buckwheat (<i>Fallopia convolvulus</i>), common vetch (<i>Vicia</i> spp.), cotula (<i>Cotula australis</i>), mintweed (<i>Salvia reflexa</i>), medics (<i>Medicago</i> spp.), prickly lettuce (<i>Lactuca serriola</i>), saffron thistle (<i>Carthamus lanatus</i>), silver grass (1 to 2 leaf only) (<i>Vulpia</i> spp.), sowthistle (<i>Sonchus oleraceus</i>), storksbill (<i>Erodium</i> spp.), volunteer faba beans (<i>Vicia faba</i>)</p>	900 mL/ha plus Hasten™ ¹ or Kwicken™ ² at 0.5 L/100 L spray volume	<p>Apply to crops in the 4 leaf (Z1.4) to commencement of flag leaf (Z3.7) stage.</p> <p>Apply early post-emergence to actively growing grass weeds in the 3 leaf to 2 tillers stage (Z1.3 to Z2.2) and broadleaf weeds in the 2 to 6 leaf stage.</p> <p>Weeds will either be killed or will be stunted and uncompetitive with the crop.</p> <p>Do NOT apply more than once per season to any one crop.</p> <p>• Where ALS resistant ryegrass is known to be present, an application of a Group D herbicide, such as STOMP® 330E Herbicide or trifluralin, should be made prior to sowing.</p>

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

WITHHOLDING PERIODS:

WHEAT WITH CLEARFIELD TECHNOLOGY: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 4 WEEKS AFTER APPLICATION.

HARVEST FOR GRAIN: NOT REQUIRED WHEN USED AS DIRECTED.



Acknowledgments:

Collated by HerbiGuide. Phone 08 98444064 for more information.