

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

Crop Care

MIDAS[®] Herbicide for CLEARFIELD[®] wheat

ACTIVE CONSTITUENTS: 288.5 g/L MCPA, present as the ethyl hexyl ester

22.0 g/L IMAZAPIC

7.3 g/L IMAZAPYR

SOLVENT: 312 g/LLIQUID HYDROCARBONS

GROUP	B	I	HERBICIDE
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For the early post-emergence control of certain annual grass and broadleaf weeds as part of the CLEARFIELD[®] Production System for wheat, as specified in the DIRECTIONS FOR USE section of this label.

IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USING THIS PRODUCT

Crop Care Australia Pty Ltd
ACN 061 362 347
Unit 15/16 Metroplex Avenue
Murarrie QLD 4172
Tel: (07) 3909 2000



APVMA Approval No.: 58870/5L/1109
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APVMA Approval No.: 58870/1000L/1109

Contents: 5L
Contents: 20L
Contents: 110L
Contents: 1000L

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.

Refillable containers

Store in closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

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. Phone Australia 131126.

MATERIAL SAFETY DATA SHEET

Additional information is listed in the Material Safety Data Sheet which can be obtained from your supplier or from the Crop Care website – www.cropcare.com.au

Conditions of sale

Crop Care Australasia Pty Ltd will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Crop Care Australasia Pty Ltd is limited to the replacement of the goods or (at the option of Crop Care Australasia Pty Ltd) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Crop Care Australasia Pty Ltd within thirty days of delivery.

In a Transport Emergency Dial 000 Police or Fire Brigade	SPECIALIST ADVICE IN EMERGENCY ONLY 1800 033 498 ALL HOURS - AUSTRALIA WIDE
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BN / DOM / Barcode / Drummuster 5L, 20L

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GROUP B I HERBICIDE

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

READ COMPLETE DIRECTIONS FOR USE BEFORE USING THIS PRODUCT.

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APVMA Approval No.: 58870/1109

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	Weeds controlled	Rate	Critical Comments
Wheat varieties with CLEARFIELD [®] Technology only	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 tricomutum</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	900mL/ha plus BONZA [®] at 0.5L/100L spray volume	Apply to crops in the 4 leaf (Z14) to commencement of flag leaf (Z37) stage. Apply early post-emergence to actively growing grass weeds in the 3 leaf to 2 tiller stage (Z13-22) and broadleaf weeds in the 2-6 leaf stage. Weeds will either be killed or will be stunted and uncompetitive with the crop. DO NOT apply more than once per season to any one crop. ◆Where ALS resistant ryegrass is known to be present, an application of a Group D herbicide, such as Stomp [®] 440 Herbicide or Crop Care Trifluralin 480, should be made prior to sowing.

	turnip (<i>Brassica tournefortii</i>), Wild oats/Volunteer oats (<i>Avena</i> spp.), Wild radish (<i>Raphanus raphanistrum</i>), Wireweed (<i>Polygonum aviculare</i>). Suppression only Cat's-ear (<i>Hypochaeris 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 (1-2 leaf only) (<i>Vulpia</i> spp.), Sowthistle (<i>Sonchus oleraceus</i>), Storksbill (<i>Erodium</i> spp.), Volunteer faba beans (<i>Vicia faba</i>)		
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NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD:

WHEATWITH CLEARFIELD TECHNOLOGY:

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

HARVEST FOR GRAIN - NOT REQUIRED WHEN USED AS DIRECTEDED.

GENERAL INSTRUCTIONS

Crop Care MIDAS Herbicide for CLEARFIELD wheat 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 BONZA® 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 50L 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 ASTOUND® Duo, Dominex® Duo, dimethoate, omethoate and endosulfan. MIDAS is compatible with Stomp® 440 and Crop Care Trifluralin 480. MIDAS is also compatible with Hasten* and Kwickin*.

DO NOT tank mix with foliar fertilizers.

RESISTANT WEEDS WARNING

GROUP	B	I	HERBICIDE
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Crop Care 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 B and Group I herbicide. Some naturally occurring weed biotypes are resistant to MIDAS and other Group B and/or Group I herbicides. 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 and Group I herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Crop Care Australasia Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

BEST MANAGEMENT PRACTICE (BMP) PROGRAM

A detailed program has been developed that outlines sound agronomic practices and integrated weed management programs, 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

This product, like all other imidazolinone herbicides, is broken down in the soil by microbes in wet, aerobic conditions. Under conditions that DO NOT favour breakdown, such as impoverished soils low in organic matter, non-wetting sands, an aerobic situations such as waterlogging, and prolonged dry periods, soil residues will persist longer and may affect susceptible follow crops.

Otherwise normally safe residue levels may still affect follow crops growing under stressful conditions such as when soil nutrition is low or marginal, or when drought conditions or cold and very wet soil conditions prevail, or when soil pathogens or nematodes are present as these situations will add stress to the crops.

As environmental and agronomic factors make it impossible to eliminate all risks associated with this product, rotational crop injury is always possible. Consult your local Crop Care representative for advice should you have any concerns.

The following minimum re-cropping intervals (months after application) should be observed.

MONTHS AFTER APPLICATION			
0	10	22	34
canola varieties with CLEARFIELD Technology wheat varieties with CLEARFIELD Technology	chickpeas faba beans field peas lucerne lupins oats pasture legumes vetch #triticale #barley #wheat (except varieties with CLEARFIELD Technology)	safflower	all other crops including canola

#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 250mm.

In calculating rainfall, place greater emphasis on rain received from application up to the end of Spring and lesser emphasis on break rains. If rainfall from application to the end of Spring is less than 200mm and if single isolated heavy Summer and Autumn falls and break rains are required to achieve rainfall targets, it may not be safe to sow non-CLEARFIELD cereals within 10 months of applications. Consult your local Crop Care representative for advice.

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 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 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 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.

Refillable containers

Store in closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

SAFETY DIRECTIONS

Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the containers and preparing spray, wear cotton overalls (or equivalent clothing) buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves. Wash hands after use. After

each day's use, wash gloves and contaminated clothing. When tank mixing with other products consult also the safety directions for those products.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre Phone: Australia 131126. If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If in eyes, wash out immediately with water.

MATERIAL SAFETY DATA SHEET

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