

PARAGON[®]

Herbicide

Active Constituent: 50 g/L PICOLINAFEN
500 g/L MCPA present as the ethyl HEXYL ESTER

GROUP **FI** HERBICIDE

For the control of certain broadleaf weeds in winter cereals
as per the DIRECTIONS FOR USE table.

FEATURES

Concentrated formulation with a safe solvent.

BENEFITS

Less product applied per ha and safe on spraying seals and hoses.

MODE OF ACTION

PARAGON Herbicide is a group F and I herbicide. PARAGON has two active constituents, giving two different modes of action working together against target weeds. Picolinafen acts by inhibiting carotenoid biosynthesis, which results in 'bleaching' of existing foliage whilst MCPA acts to disrupt plant cell growth. Whilst PARAGON is a post-emergence foliar-absorbed herbicide, it also displays short soil residual activity. Under favourable conditions, this residual activity will provide some control of subsequently germinating weed seedlings.

PACK SIZES

5 L, 20 L, 100 L

<i>U.N. Number</i>	<i>Correct Shipping Name</i>	<i>Class</i>	<i>Subsidiary Risk</i>
Not Applicable	Phenoxy Pesticides, Liquid, Toxic, N.O.S. (Contains MCPA)	Not Applicable	Not Applicable
<i>HAZCHEM Code</i>	<i>Poisons Schedule</i>	<i>Emergency Guide</i>	<i>Packaging Group</i>
Not Applicable	6	Not Applicable	Not Applicable

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



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GENERAL INSTRUCTIONS

PARAGON Herbicide is a post-emergence, foliar-absorbed product with short soil residual activity.

Under favourable conditions, this pre-emergence activity will provide some control of subsequently germinating weed seedlings.

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.

APPLICATION

Ground application: Apply in a minimum of 50 litres of water per hectare. In dense weed and crop situations, increase the water volume to ensure complete coverage.

Aerial application: Apply in a minimum 30 litres of water per hectare. Good coverage of weeds is essential.

COMPATIBILITY

PARAGON Herbicide is physically compatible with Ally, FASTAC Duo, Glean, Hoegrass, Logran, Lontrel, MATAVEN®-L, MCPA LVE/EHE, Rogor, Topik, Tristar and Wildcat.

Do NOT add spraying oil to PARAGON or PARAGON tank mixes.

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.

CROP SAFETY

Following application, some transient yellowing of cereal foliage may occur.

This spotting is confined to leaves present at application. The development of the crop and subsequent new growth is unaffected in crops growing free of stress.

Symptoms will be more pronounced and persistent in crops that are growing under stress (see Restraints). Avoid swath overlapping.

RESISTANT WEEDS WARNING

PARAGON Herbicide is a member of the aryloxypropylamide and phenoxy groups of herbicides and acts by inhibiting disrupting plant cell growth and carotenoid biosynthesis. For weed resistance management PARAGON is a Group FI herbicide. Some naturally occurring weed biotypes resistant to this product and other inhibitors of carotenoid biosynthesis and/or disruptors of plant cell growth 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 inhibitors of carotenoid biosynthesis 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.

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, face-shield or 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 and pastures.

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

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to algae. Do NOT contaminate streams, rivers or waterways with the chemical or used containers.

Do NOT apply by ground application to portions of fields within 20 m upwind of natural water bodies.

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Do NOT apply by aerial application to portions of fields within 250 m upwind of natural wetlands or water bodies. Do NOT apply under meteorological conditions or from spray equipment that will cause spray drift onto non-target native vegetation or adjacent areas, and in particular avoid any natural wetland or standing water body.

Do NOT allow run-off within two days of application – avoid application to waterlogged soil, over irrigation or use when heavy rains are forecast.

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 500 mm 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

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately. Wash hands after use. When opening the container, preparing the spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and face shield or goggles. After each day's use, wash gloves, face-shield or 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.

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 Trade Practices Act 1974 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.

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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

FOR SPECIALIST ADVICE IN AN
EMERGENCY ONLY
PHONE 1 800 033 111
TOLL FREE – ALL HOURS – AUSTRALIA-WIDE

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DIRECTIONS FOR USE

RESTRAINTS: Do NOT apply to crops that are stressed through disease, insect damage, frost, nutrient deficiencies, other herbicide use, excessively moist or dry conditions, or inappropriate soil type.
 Do NOT apply to weeds that are stressed due to dry conditions, prior herbicide application, etc.
 Do NOT apply if rain is expected within four hours.
 Do NOT add spraying oil to PARAGON or PARAGON tank mixes.

CROP	WEEDS	WEED STAGE	RATE /ha	CRITICAL COMMENTS
Wheat, barley, oats, triticale, cereal rye	Wild radish (<i>Raphanus raphanistrum</i>)	Up to the 4 leaf stage	250 mL	Apply to actively growing weeds, free from stress. See "Restrains". Apply to crops in the 3 to 5 leaf stage prior to late tillering. Do NOT use the 500 mL/ha rate on crops younger than 5 leaf. Do NOT apply rates higher than 250 mL/ha to crops in the 3 leaf stage, especially long-season varieties. PARAGON may cause transient yellowing of cereals, with oats being potentially most sensitive. Residual control can be impaired by dry soil conditions and by inadequate soil surface coverage. Good soil moisture before and after application will assist performance. Good spray coverage of weeds is essential. Spray before crop canopy begins to close. Increase spray volume when weed or crop density is high. Transplanted weeds will not be adequately controlled. **Suppression only. These species are not consistently controlled by PARAGON Herbicide, but are usually significantly affected.
		Up to the 6 leaf stage	375 mL	
	Mustard (<i>Sisymbrium</i> spp.), prickly lettuce (<i>Lactuca serriola</i>), shepherd's purse (<i>Capsella bursa-pastoris</i>), wild turnip (<i>Brassica tournefortii</i>)	Up to the 2 leaf stage	250 mL	
		Up to the 4 leaf stage	375 mL	
	Capeweed (<i>Arctotheca calendula</i>)	Up to the 2 leaf stage	250 mL	
		Up to the 4 leaf stage	500 mL	
Common sowthistle** (<i>Sonchus oleraceus</i>), doublegee** (<i>Emex australis</i>)	Up to the 2 leaf stage	500 mL		
Deadnettle** (<i>Lamium amplexicaule</i>), fumitory** (<i>Fumaria</i> spp.), volunteer lupins** (<i>Lupinus angustifolius</i>)	Up to the 4 leaf stage			

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

WITHHOLDING PERIODS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 6 WEEKS AFTER APPLICATION.
 HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

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Acknowledgments:

Collated by HerbiGuide. Phone 08 98444064 for more information.