

CAUTION

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



ECOPAR[®]

HERBICIDE

ACTIVE CONSTITUENT: 20 g/L PYRAFLUFEN-ETHYL

GROUP G HERBICIDE

For the control of annual broadleaf weeds in winter cereals as per the Directions for Use Table



IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE

APVMA Approval No.: 60493/20L/0209

20L

DIRECTIONS FOR USE: All States**RESTRAINTS:**

DO NOT tank mix ECOPAR Herbicide plus MCPA amine with any wetter, crop oil concentrates or blended oil/surfactant adjuvants (see compatibility section).

DO NOT tank mix MCPA LVE with ECOPAR Herbicide.

DO NOT tank mix ECOPAR Herbicide plus MCPA amine treatments with selective grass herbicides.

DO NOT apply the tank mix of ECOPAR Herbicide plus MCPA amine before the two leaf crop stage.

DO NOT apply ECOPAR Herbicide plus MCPA amine by aircraft.

DO NOT apply if rain is expected within 6 hours of application.

DO NOT apply to weeds suffering from stress caused by conditions such as frost, drought, soil water logging etc.

CROP	WEEDS CONTROLLED	RATE/Ha	CRITICAL COMMENTS
Wheat, barley, triticale	Wild radish (<i>Raphanus raphanistrum</i>)	300 to 400 mL plus 500 mL of a 500 g/L amine formulation of MCPA	Apply as a post-emergence treatment to actively growing weeds up to the 6 leaf stage and when the crop is between 2 leaves and mid-late tillering (Zadoks 12-25). Always tank mix with MCPA amine. Use the higher rates on larger weeds or dense infestations. Under favourable growing conditions some weed regrowth may occur. A follow up application of a suitable herbicide eg 2,4-D amine, may be required as part of a good weed management strategy.
	Bedstraw (<i>Galium tricornutum</i>) Bifora (<i>Bifora testiculata</i>) Capeweed (<i>Arctotheca calendula</i>), Indian hedge mustard (<i>Sisymbrium orientale</i>) Long storks bill (<i>Erodium botrys</i>) Prickly lettuce (<i>Lactuca serriola</i>), Volunteer canola (<i>Brassica napus</i>) Volunteer lupin (<i>Lupinus</i> sp), Wild turnip (<i>Brassica tournefortii</i>)	400 mL plus 500 mL of a 500 g/L amine formulation of MCPA	
	Any of the above weeds plus any of the following: Chickweed (<i>Stellaria media</i>) Clover – Subterranean (<i>Trifolium subterraneum</i>) Common sowthistle (<i>Sonchus oleraceus</i>) Dead nettle (<i>Lamium amplexicale</i>) Dense flower fumitory (<i>Fumaria densiflora</i>) Medic (<i>Medicago</i> spp) Patterson's curse (<i>Echium plantagineum</i>) Smallflower fumitory (<i>Fumaria parviflora</i>) Sorrel (<i>Rumex acetosella</i>) Soursob (<i>Oxalis pes-caprae</i>) Spiny emex (<i>Emex australis</i>) Stagger weed (<i>Stachys arvensis</i>) Turnip weed (<i>Rapistrum rugosum</i>), Volunteer faba beans (<i>Vicia faba</i>) Volunteer chickpeas (<i>Cicer arietum</i>) Wireweed (<i>Polygonum arviculare</i>)	400 mL plus 500 mL of a 500 g/L amine formulation of MCPA plus 5g ESTEEM® WDG	As above plus: Do NOT add a surfactant to this tank-mix. Wireweed: apply before the 4-leaf stage Do NOT use if undersown subclover is present. CAUTION: observe minimum re-cropping intervals on labels of metsulfuron methyl products. This 3-way tank mix is not required if these weeds only are present.

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

WITHHOLDING PERIOD:

HARVEST: NO WITHHOLDING PERIOD REQUIRED WHEN USED AS DIRECTED.

GRAZING AND FEEDING OF DRY FODDER/STRAW: NO WITHHOLDING PERIOD REQUIRED WHEN USED AS DIRECTED.

GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 14 DAYS AFTER APPLICATION.

GENERAL INSTRUCTIONS

ECOPAR Herbicide is an early post-emergence contact herbicide with rapid foliar uptake. Herbicide effects on susceptible weeds can occur within 1 to 7 days of application. Subsequent germinations will not be controlled. ECOPAR Herbicide should always be tank mixed with MCPA amine to improve the weed control spectrum compared to either product applied alone.

CROP ROTATION RECOMMENDATIONS

Observe minimum re-cropping intervals on ESTEEM® WDG SELECTIVE HERBICIDE label when using tank-mixes with this product. Also observe re-cropping intervals when mixing with any other compatible products.

COMPATIBILITY

ECOPAR Herbicide plus MCPA amine is compatible with ESTEEM™ WDG, triasulfuron and Lontrel* 750 SG.

Do NOT mix ECOPAR Herbicide with selective grass herbicides as grass weed control will be significantly reduced and excessive crop injury may occur. Increased crop injury is caused by the crop oil concentrates and oil/surfactant blends used with these grass herbicides. Instead, allow a 10 to 14 day interval between spraying ECOPAR Herbicide and grass herbicide applications.

Do NOT add wetters, spray oils or oil/surfactant adjuvants to the tank mix of ECOPAR Herbicide plus MCPA amine. The addition of wetters, spray oils or oil/surfactant blends will greatly increase crop injury without any significant improvement in weed control. Prior to applying ECOPAR Herbicide, clean the spray tank to remove any wetters or adjuvants remaining from previous spray operations otherwise crop injury may result.

RESISTANT WEEDS WARNING

ECOPAR Herbicide is a member of the aryl phenylpyrazole group of herbicides. Its mode of action is through a process of membrane disruption, which is initiated by the inhibition of the enzyme protoporphyrinogen oxidase. This inhibition interferes with the chlorophyll biosynthetic pathway.

For weed resistance management, ECOPAR Herbicide is a Group G herbicide. Some naturally occurring weed biotypes resistant to ECOPAR Herbicide and other herbicides that inhibit the enzyme protoporphyrinogen oxidase may exist through normal genetic variability in any weed population and increase if these herbicides are used repeatedly. These resistant weeds will not be controlled by ECOPAR Herbicide or other herbicides that inhibit the enzyme protoporphyrinogen oxidase. Since the occurrence of resistant weeds is difficult to detect prior to use, Sipcam Pacific Australia Pty Ltd accepts no liability for any losses that may result from the failure of ECOPAR Herbicide or other herbicides that inhibit the enzyme protoporphyrinogen oxidase.

MIXING

Add half the required volume of water to spray tank and start agitation. Add the required amount of MCPA amine followed by the ECOPAR Herbicide. ESTEEM® WDG, triasulfuron or Lontrel should be added last if including these in the tank mix. Add the remaining water. Maintain good agitation at all times until spraying is completed.

APPLICATION

Apply ECOPAR Herbicide plus MCPA amine as a broadcast application. Use conventional boom sprayers with either mechanical or bypass agitation. Spray equipment should be properly calibrated to ensure correct application. Use a spray volume of 70 to 150 litres per hectare. This is particularly important on hard-to-control weeds. Use the higher volume if weed infestation is heavy or the crop cover is dense. The best application conditions are when soil is moist, weather fine and rain unlikely within 6 hours.

CROP SAFETY

Some herbicidal symptoms may appear on the crop in the form of leaf spotting due to environmental conditions. However the crop recovers quickly usually within 2-3 weeks of treatment .

SPRAYER CLEAN OUT

Do not allow the spray solution to dry in the application equipment. After application and before using the sprayer equipment for any other applications, the sprayer must be thoroughly cleaned. Applicators must ensure proper equipment clean-out for any other products mixed with ECOPAR Herbicide as provided on the other product label(s). Immediately following application, clean all equipment thoroughly with detergent or a spray tank cleaner and water as described below. Should residues of ECOPAR Herbicide remain in inadequately cleaned equipment, they may

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be released in subsequent applications and cause injury to crops.

1. Drain sprayer tank, hoses and spray boom and thoroughly rinse with clean water the inside of the spray tank, sprayer hoses, boom, and nozzles to remove any sediment or residues.
2. Fill the tank with clean water, add an alkaline detergent or boom cleaner (follow manufacturer's directions for use). Fill tank to capacity and operate the sprayer with agitation for 15 minutes to flush hoses, boom and nozzles.
3. Drain the sprayer tank, lines, and booms. Rinse the tank with clean water and flush through the hoses, boom and nozzles. Remove and clean spray nozzles, tips and screens.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Do NOT apply under meteorological conditions or from spraying equipment that could be expected to cause spray to drift on to nearby susceptible plants, adjacent crops and pastures or on to wetlands, waterbodies or watercourses. ECOPAR Herbicide does not provide residual activity, therefore no crop rotational restrictions apply. However, when tank-mixing with other products, including ESTEEM® WDG or with Lontrel® 750 SG Herbicide, observe warnings and recommendations on the labels of such products.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

Highly toxic to algae and aquatic plants. Do NOT contaminate streams, rivers or waterways with ECOPAR Herbicide or used container.

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. For refillable containers, empty contents fully into application equipment, close all valves and return to point of supply for refill or storage. 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 local authority 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

May irritate the skin. Avoid contact with skin. When opening the container and preparing and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat and elbow-length PVC gloves. If product or spray on skin, immediately wash area with soap and water. After each day's use, wash gloves and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Telephone 131 126 Australia-wide.

MATERIAL SAFETY DATA SHEET

For further information, refer to the Material Safety Data Sheet (MSDS) which is available from the supplier or from our web site, www.sipcam.com.au

NOTICE TO BUYER

Sipcam Pacific Australia Pty Limited (Sipcam) shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence, use under abnormal conditions or otherwise in connection with the sale, supply, use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on Sipcam's skill or judgment in purchasing or using the product and every person dealing with this product does so at their own risk.

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*Lontrel is a registered trademark of Dow AgroSciences

This product is NOT classified as a Dangerous Good under the Australian code for the transport of dangerous goods by road and rail.

FOR 24 HOUR SPECIALIST ADVICE IN EMERGENCY ONLY PHONE 1800 033 111



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Date of Manufacture:

Batch Number:

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