

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



GENEREX
MCPA 500 L HERBICIDE

ACTIVE CONSTITUENT: 500g/L MCPA
(present as the Dimethylamine salt)

GROUP II HERBICIDE

For the control of broadleaf weeds in cereals, pasture and sugar
cane as per the Directions for Use Table
THIS LEAFLET IS PART OF THE LABEL

GENEREX AUSTRALIA PTY LTD
Level 12,
Macquarie Place
Sydney NSW 2000
ACN 063 490 120

APVMA Approval No: 50017/1097

DIRECTIONS FOR USE:

RESTRAINTS

DO NOT apply if crop or weeds are stressed due to dry or excessively moist conditions.
 DO NOT apply if rain is expected within 3 hours.
 DO NOT apply to disease or frost affected crops or if frosts are imminent.

Crop	Weeds Controlled	State	Rate/ha	Critical Comments
AGRICULTURAL AREAS (PASTURES AND FALLOW LAND)	Nodding Thistle Saffron Thistle Cotton Thistle (Scotch Thistle) Slender Thistle Spear Thistle Vanegated Thistle	NSW, ACT only	1.0 to 1.5L PLUS 50mL or 70mL Lontrel* L	<p>Application: Treat rosette stage prior to stem elongation. Use the higher rates of MCPA plus Lontrel* L on multi-crown plants or rosettes larger than 30cm diameter. Spraying may be done at any time during active growth; usually in early winter or spring. Avoid spraying during the dormant winter period or at any time when thistles are not growing actively.</p> <p>PRE-SPRAY MANAGEMENT: The pasture should be lightly grazed prior to application to reduce clover and grass cover and expose small thistles to the spray. The grazed pasture should then be left for 7 days to allow thistles to freshen prior to treatment.</p> <p>POST-SPRAY MANAGEMENT: Response of thistles to treatment with the MCPA plus Lontrel* L mixture will be slow compared to standard treatments with 2,4-D or MCPA. Better control can be achieved if thistles are grazed after treatment. If possible, delay grazing of sprayed thistles for 14 days after treatment.</p> <p>WARNING: DO NOT use on lucerne based pastures. DO NOT spray flowering thistles.</p> <p>CLOVER DAMAGE: The MCPA plus Lontrel* L mixture can be very damaging to subtarranean clover, but at the lower rate, no more damage than with the recommended label rates of 2, 4-D or MCPA. The higher rate of the MCPA plus Lontrel* L mixture will reduce the clover component of the pasture for about 2 months. Clover recovery will be quicker during periods of active growth.</p>

Crop	Weeds Controlled	State	Rate/ha	Critical Comments
CEREALS: Wheat Barley Oats Triticale Cereal Rye	Certain broadleaf weeds (Refer to Weeds Table)	Vic only Qld, NSW ACT, SA, Tas, NT only WA only	700mL to 1.5L 700mL to 2.1L 900mL to 2.0L	Spray through the tillering stage after the plants have 5 leaves and before they commence jointing. Zadoks scale Z15-37 (5 leaves on main stem until flag leaf emergence - Qld, WA only). DO NOT apply before the tillering stage (NSW only).
CEREALS: Wheat Barley Triticale Cereal Rye	Amsinckia, Capeweed Charlock Corn Gromwell (Ironweed, Sheepweed) Deadnettle Threecornered Jack (Doublegee, Spiny Emex) Turnip Weed Wild Mustard Wild Radish Wild Turnip	NSW, ACT, Vic only	500mL PLUS 500mL of 500g/L diuron	Apply by boom-spray or aircraft when the crop is at the 3-5 leaf (Z13-15) stage (NSW, SA only), or 5 leaf (Z15) stage (Vic only). Weeds must be in the 2-5 leaf stage. DO NOT apply to undersown medic or lucerne. DO NOT use on Kamilaroi, Olympic or Shortfin wheat.
CEREALS: Wheat Barley Oats (WA only) Triticale Cereal Rye	Capeweed Indian Hedge Mustard Threecornered Jack (Doublegee, Spiny Emex) Turnip Weed Wild Radish Wild Turnip	SA only	350mL PLUS 500mL of 500g/L flowable diuron	CROP: Apply at Z13-14 stage (i.e. 3-4 leaf stage).
	Capeweed Erodium London Rocket Threecornered Jack (Doublegee, Spiny Emex) Turnip Weed Wild Mustard Wild Radish Wild Turnip	WA only	400mL PLUS 350mL of 500g/L flowable diuron	CROP: Apply at Z14-15 stage (i.e. 4-5 leaf stage).
			500mL PLUS 400mL of 500g/L flowable diuron	CROP: Apply at Z13-15 stage (i.e. 3-5 leaf stage).
			600mL PLUS 500mL flowable Igran#	CROP: Apply at Z13-15 stage (i.e. 3-5 leaf stage).

Crop	Weeds Controlled	State	Rate /ha	Critical Comments
FLAX	Certain broadleaf weeds (Refer to Weeds Table)	NSW, ACT, Vic, Tas, NT only	500mL	Apply when crop is 8-20cm high.
GRASS/MEDIC PASTURE	Scented Woolly Sage	SA only	400mL	Do not exceed recommended rate. Spray as oldest stage plants run up to head and before medic flowers. Medic growth may be suppressed.
PASTURES (GRASS/SUB-CLOVER) USING 'SPRAY GRAZE' TECHNIQUE	Spray-graze is effective against many annual broadleaf weeds and some perennials. (Refer also to Weeds Table).	Qld, NSW Vic, SA, WA, ACT, NT only	350mL to 1.4L	Some pasture weeds can be controlled by 'Spray Grazing', a combination of herbicide treatment followed by heavy grazing. Before using this
	Weeds which can be controlled include: Caltrop Capeweed Charlock Docks Turnip Weed (Giant Mustard) Paterson's Curse (Salvation Jane) Shepherd's Purse Saffron Thistle Slender Thistle Spear Thistle Variegated Thistle Wild Mustard Wild Radish Wild Turnip	Tas only	700mL to 1.0L	technique, note the Spray-Graze Warning under General Instructions. Apply spray to weeds when they are actively growing and are 6-8 weeks old. Introduce stock 7-10 days after spraying. Preferably use sheep as cattle are least effective. Use stocking rates at least 5 times heavier than normal until weeds have been reduced, but before survival of desirable pasture species is threatened. DO NOT spray lucerne or medic based pasture as damage may occur.
PEAS (Garden or field)	Certain broadleaf weeds (Refer to Weeds Table)	All States, ACT, NT	700mL	CROP: apply when crop is 10-15cm high. DO NOT apply after flowering. Crop maturity may be delayed up to 2 weeks. As some cultivars may be susceptible, apply to a small trial area first.

Crop	Weeds Controlled	State	Rate /ha	Critical Comments
PERENNIAL GRASS SEED CROPS	Charlock Fat Hen Hexham Scent (King Island Mellilot) Indian Hedge Mustard Paterson's Curse (Salvation Jarne) Sowthistle Shepherd's Purse Thistles Wild Turnip Seedlings only Capeweed Wild Radish	NSW, ACT, Vic, Tas, SA only	1.0 to 2.0L	Use the lower rate for seedling perennial grass seed crops only. Use the higher rate for fully tillered and established crops
RICE	Dirty Dora (Rice Sedge) Sedges Starfruit	Qld, NT only	2.2L	Apply from mid-tillering to fully tillered stage. Apply by aircraft using sufficient water to provide good coverage of the weeds.
		NSW, ACT only	1.5L	
SUB-CLOVER PASTURE AND SUB-CLOVER SEED CROPS	Certain broadleaf weeds (Refer to weeds Table)	NSW, ACT Vic, Tas, SA only	700mL to 1.5L	CROP: Apply in autumn and early winter. Spray when sub-clover has 4-20 trifoliate leaves and weeds are at the rosettes state. If grazing sprayed pasture, note Spray-Graze Warning under General Instructions.
SUGARCANE	Pre-emergence Weed Control: Certain broadleaf weeds (Refer to Weeds Table)	Qld, NT only	9.0L	Apply over the row either at planting or shortly after planting and before the weeds emerge. Apply in 350L of water per hectare to soil of fine tilth. NOTE: This treatment is used for short term weed control in plant cane.
	Post-emergence Weed Control: Bellvine Cupid's Flower Morning Glory Pink Convulvulus Merremia Vine		600mL	Apply in spring as a directed spray around the stools prior to the last cultivation.
			1.4L	Apply by aerial application in autumn as an overall spray. DO NOT exceed rates specified for Q80 varieties.
			2.1L	Apply in spring as a 'blanket spray' over the whole field.

Crop	Weeds Controlled	State	Rate /ha	Critical Comments
TURF	Certain broadleaf weeds (Refer to Weeds Table)	All States, ACT, NT	Boom spray 3.5L; Knapsack Sprayer 35mL/100m ² in 15L water Watering Can* 7mL/20m ² in 10 L water	Newly sown turf should not be treated until it is 2 months old. Transitory damage to fine turf grass and strawberry clover is likely. DO NOT graze treated areas or feed grass clippings from treated areas to poultry or other animals. DO NOT mow for 2 days before or after application. *A fine rose head or sprinkler should be used and the watering can should not be used for other gardening uses after spraying.
SPOT SPRAYING (All situations)	Certain broadleaf weeds (Refer to Weeds Table)		1/100th of rate in Weed Table per 10L water/100m ²	Apply using a knapsack spray. Thorough coverage of weeds is essential.
INDUSTRIAL AND COMMERCIAL AREAS, FALLOW LAND, RIGHTS- OF-WAY ETC. WHERE NO CROP OR PASTURE IS INVOLVED	Certain broadleaf weeds (Refer to Weeds Table)		400mL to 4.5L	

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

WITHHOLDING PERIOD:
Pastures: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

WEEDS TABLE

Where weeds are to be sprayed in a crop or pasture, use only the rates given for the particular crop or situation indicated under the Directions for Use table. In most cases this will give control, however, some hard to kill weeds or those in advanced stages of growth may only be suppressed. The rates listed in the Weeds Table below are for use where weeds only are present and no crop or pasture is involved. Use at these rates in a crop or pasture other than for spot spraying may cause damage.

WEEDS CONTROLLED	STATE	RATE/HA	CRITICAL COMMENTS
Ball Mustard	SA only	1.7L	Apply at rosette stage
Bathurst Burr	All States, ACT, NT only	2.0L	Apply at seedling stage
Black Bindweed (Climbing Buckwheat)	Qld, NT, NSW, ACT only	1.4 to 2.0L	Apply at young stage prior to flowering
Californian Thistle	NSW, ACT only	2.2L	Apply at rosette stage.
	Tas only		Apply at early bud stage or as first flowers open
Cape Tulip	WA only	2.0L	Apply when weeds 100-150mm high
Capeweed	Qld, NT, NSW, ACT, SA, Tas only	2.1L	Apply at seedling stage
Cardoon (Artichoke Thistle)	Qld, NT, Vic, WA only	700mL	Apply at rosette stage
	SA only	2.1L	
Common Cotula (Carrot Weed)	Qld NT, Vic only	2.0L	Apply at seedling stage
Cotton Thistle (Scotch Thistle)	SA only	700mL to 1.4L	Apply at seedling stage. Use higher rates for larger weeds
	Tas only	2.2L	For seedlings and rosettes to 150mm diameter
Charlock	Qld, NT, NSW, ACT, Vic, Tas only	500mL	Apply at young rosette stage
	SA only	700mL	
Cutleaf Mignonette	SA only	2.1L	Apply at young rosette stage
Dandelion	All States, ACT, NT	2.0L	
Deadnettle	Qld, NT, NSW, ACT only	2.1L	Moderately susceptible - Apply at seedling stage
Denseflower Fumitory (Red Fumitory)	Qld, NT, NSW, ACT, Vic, SA only	1.4L	Apply at young stage prior to flowering
Docks	SA, Tas only	2.1L	Apply at rosette stage and before flower heads emerge. With old established plants normally only the top growth is affected without the plant being killed.
Fat-hen	Qld, NT, NSW, ACT, Vic, Tas only	2.0L	Apply at young stage
Fennel	Qld, NT, NSW, ACT, Vic, SA Tas only	2.7L	
Field Cress	Tas only	2.2L	
Field Bindweed (Bindweed)	Qld, NT, Vic, Tas, SA, WA only	2.0L	Spray at bud stage, repeating over several seasons.
Flatweed (Catsear)	WA only	1.4L	Apply when 100-150mm high
	Tas only	2.2L	
Hexham Scent (King Island Mellilot)	Qld, NT, NSW ACT, SA only	1.4L	Apply at young stage prior to flowering

WEEDS CONTROLLED	STATE	RATE/HA	CRITICAL COMMENTS
Hoary Cress	Qld, NT, Vic only	4.5L	Apply pre-flowering. Lower rate will only suppress plants
	SA only	2.1L	
Horehound			Apply at rosette stage
Indian Hedge Mustard	Qld, NT, Vic, SA, Tas only	700mL	Apply at rosette stage
	WA only	1.25L	
Lesser Swinecress	Tas only	2.2L	Apply at young stage
Lincoln Weed	SA only	700mL	Apply at rosette stage
London Rocket, Lupins	WA only	1.25L	Apply when weeds 100-150mm high
Mintweed	Qld, NT, NSW, ACT, Vic only	2.0L	Apply at young stage
Nodding Thistle	NSW, ACT only	2.5L	Spray early rosettes. Repeat spray required in the following spring or autumn.
Noogoora Burr	Qld, NT, NSW, ACT, Vic SA WA only	2.0L	Apply at seedling stage
Opium Poppy	Tas only	2.2L	Apply at young stage
Paterson's Curse	Qld, NT only	4.0L	
Plantains	Qld, NT, Tas only	2.0L	
Ragwort	All States, ACT, NT		
	Tas only	500mL to 1.0L	
Rapeseed	NSW, ACT only	1.0 to 1.5L	Spray at rosette stage
Rough Poppy		700mL to 1.5L	
Safflower		700mL to 1.0L	
Sunflower (seedlings)		1.0 - 1.5L	
Saffron Thistle	All States, ACT, NT	1.4 to 2.5L	Apply at rosette stage. Use a higher rate for larger weeds
Shepherd's Purse	Tas only	2.2L	Apply at rosette stage
Skeleton Weed	NSW, ACT only	1.5L	
Slender Thistle	SA only	1.0L	Apply at young stage
	Vic & WA only	3.0L	Apply at rosette stage
	Tas only	1.0 to 3.0L	Use lower rate for seedling, higher rate for rosettes
Sorrel	SA only	2.1L	Apply at rosette stage
Spear Thistle	Tas only	1.0 to 2.2L	Use low rate for seedlings, higher rate for rosettes
Stagger Weed	Qld, NSW, Vic, SA, WA, ACT, NT only	2.0L	Apply at young stage
Star Thistle	SA only	1.0 to 1.4L	Apply at seedling stage. Use higher rate for larger weeds
Stinkwort	NSW, ACT, Vic, SA, WA only	2.0L	Apply when weeds 100-150mm high
Turnip Weed (Giant Mustard)	Qld, NT only	700mL	Apply at young stage prior to flowering
	NSW, ACT only	900mL	
	SA only	1.0L	
	WA only	1.2L	

WEEDS CONTROLLED	STATE	RATE/HA	CRITICAL COMMENTS
Variegated Thistle	Qld, NT, NSW, ACT, Vic, WA only	1.5L	Apply pre-cabbage stage. Warning: Treated plants may become toxic to stock
	Tas only	1.0 to 2.0L	Use low rate for seedlings, higher rate for rosettes
	SA only	700mL to 1.4L	Apply at seedling stage
		2.0L	Apply to well developed weeds
Wild Radish	Qld, NT, NSW, ACT only	700mL to 1.1L	Apply at rosette stage.
	Vic, WA only	1.2L	
	SA only	1.4L	
	Tas only	2.0L	
Wild Sage	Qld, NSW, Vic, SA, WA, ACT, NT only	2.0L	Apply at young stage
Wild Turnip	Qld, NT, NSW, ACT only	700mL to 1.1L	Apply at rosette stage
	Vic only	400mL	
	SA only	700mL	
	WA only	900mL	
	Tas only	2.0L	

GENERAL INSTRUCTIONS

Compatibility

Generex MCPA L Herbicide is compatible with Generex Metsulfuron, Generex Chlorsulfuron, dicamba, bromoxynil, Igran#, Lontrel# L, Tordon# 242, Tribunil, Generex Diuron SC Herbicide. The effectiveness of dimethoate, Imidan, Le Mat, and Metasystox may be reduced if tank mixed with this product. When tankmixing add the required amount of the compatible product when the tank is nearly full and maintain agitation. If allowed to stand overnight, thoroughly re-agitate before spraying.

Mixing

Half fill the spray tank with clean water, add the required amount of product, agitate thoroughly and add the remainder of the water. Agitate again before spraying begins.

Application Equipment

Boom spraying: Calibrate the sprayer before use to ensure the correct application rate is obtained. Check the height of the boom above the crop to ensure that the spray is evenly distributed. Thoroughly clean spray equipment after use.

Cereals and sugar cane: Apply 50-200L (WA 50-100L) water per hectare. Use the higher volume where weed infestation is heavy or the crop cover is dense.

Peas, Annual Medics (NOT WA), Subterranean Clover: Apply 200-300 (WA 50-100L) of water per hectare.

Linseed: Apply a minimum of 200L of water per hectare.

Turf: Apply a minimum of 500L water per hectare.

Aerial Application

Cereals and sugar cane: Apply 20-30L of water per hectare.

Rice: NSW only: Apply a minimum of 22L water per hectare

Qld only: Apply a minimum of 45L water per hectare

High Volume Spraying:

Use 200mL per 100L water for easy to kill weeds such as Wild Turnip, Mustards and Wild Radish. Use 400mL per 100L of water for more difficult to control weeds eg Docks and Hoary Cress.

Spray Graze Warning

Some weeds can be controlled by 'spray grazing' a combination of herbicide treatment followed by heavy grazing 7-10 days later. Sprayed weeds become more palatable to stock and a higher intake of some weeds after spraying may cause stock deaths and other problems. Such weeds are Caltrop, Capeweed, Cape Tulip,

Paterson's Curse (Salvation Jane) and Variegated thistle. With Paterson's Curse, preferably graze stock soon to be slaughtered and avoid extended periods of grazing. Avoid grazing with young or breeding stock. Do not graze horses or pigs on Paterson's Curse.

Weed Resistance Warning

Generex MCPA L Herbicide is a member of the phenoxy group of herbicides. Generex MCPA L Herbicide has the disruptor of plant cell growth mode of action. For weed resistance management Generex MCPA L Herbicide is a Group I Herbicide.

Some naturally occurring weed biotypes resistant to Generex MCPA L Herbicide and other phenoxy 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 Generex MCPA L Herbicide or any other phenoxy herbicide.

Since the occurrence of resistant weeds is difficult to detect prior to use, Generex Australia Pty Ltd Limited accepts no liability for any losses that may result from the failure of Generex MCPA L Herbicide to control resistant weeds.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

Drift Warning: DO NOT spray under meteorological conditions or from spraying equipment, that may cause spray to drift onto nearby susceptible plants/ crops, cropping lands or pastures.

Avoid spray drift onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees and ornamentals.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT

Dangerous to fish.

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 store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to the 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 containers at 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, vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS

Harmful if swallowed. Attacks eyes. Will irritate the skin. When opening the container and preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow length PVC gloves and goggles. If product on skin, immediately wash area with soap and water. If product in eyes wash out immediately with water.

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. 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 - Tel. 131 126.

If swallowed, and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF.

Additional information is listed in the Material Safety Data Sheet.

TERMS OF SALE

Generex Australia Pty Ltd ("Generex") will not be held liable for any loss, injury or damage, indirect or consequential, arising from the sale, supply, use or application of this product. The product is not to be used for any purpose or in any way contrary to label instructions.

APVMA Approval Number: 50017/1097

Batch Number:

Date of Manufacture: