

# POISON

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

Farmoz

# MCPA 500

## SELECTIVE HERBICIDE

ACTIVE CONSTITUENT: 500 g/L MCPA  
present as the DIMETHYLAMINE SALT

GROUP I HERBICIDE

*For the control of broadleaf weeds in cereals, linseeds, pastures, sugar cane, turf and industrial situations as specified in the Directions for Use table.*

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### DIRECTIONS FOR USE:

**RESTRAINTS:** DO NOT spray if crop or weeds are stressed by dry or cold weather conditions.  
DO NOT spray if rain is likely within 6 hours.

#### 1. FIELD CROPS

SITUATION & CROP	WEEDS CONTROLLED	STATE	RATE PER HA	CRITICAL COMMENTS
Wheat, barley, oats, triticale, cereal rye	Refer weeds table	Qld only	700 mL to 2.1 L	Qld only: Apply from early tillering (4-5 fully emerged main stem leaves plus one or more tillers) until before the boot stage (visible swelling of the head at the top of the main stem).
		SA, Tas only		Apply through the tillering stage after the crop plants have 5 leaves and before they commence jointing.
		NSW, ACT only		Apply 700 mL rate after crop has reached 5 leaf stage and weeds marked A in weed table have 3-6 leaves. Higher rates after when the first node can be felt at the base of a tiller and before swelling of the head can be felt in a tiller.
		Vic only	700 mL to 1.5 L	Apply 700 mL rate after crop has reach 2-3 leaf stage and weeds marked A in weed table have 2-4 leaves. Higher rate after the crop plants have 5 leaves to fully tillered.
		WA only	900 mL to 2.0 L	Apply to crop from 5 leaf to flag leaf emergence (Z15-37) APPLICATION BEFORE Z16 MAY CAUSE DAMAGE IN MILING, JACUP AND CRANBROOK WHEAT AND MORTLOCK OATS.
	Soldier Thistle	SA only	700 mL plus 200 mL Victory®	Apply to crop at tillering stage after the crop has 5 leaves and before the crop commences jointing.
	Skeleton Weed		1 L plus 500 mL Victory	Apply to rosettes from 5-15 cm diameter when the crop is between the 5 leaf and later tillering growth stages. It is essential that all the Skeleton Weed is emerged and minimum of 5 cm diameter which is usually not before August. This rate will provide control of skeleton weed until harvest and will substantially reduce seed numbers the following season.

SITUATION & CROP	WEEDS CONTROLLED	STATE	RATE PER HA	CRITICAL COMMENTS
Wheat, barley, triticale, cereal rye	Capeweed, Doublegee, <i>Erodium</i> sp., Mustard, Rapistrum, Wild Turnip, Wild Radish	WA only	400 mL plus 350 mL Flowable Diuron	CROP: 3-4 leaf stage. (Zadoks 13-14)
			500 mL plus 400 mL Flowable Diuron	CROP: 4-5 leaf stage. (Zadoks 14-15)
				Apply by aircraft or boom with 20-100 L/ha water, when most weeds have germinated and are in 2-5 leaf stage. Crop and weeds should be dry at time of application. Some temporary yellowing of crop may occur after application. Undersown sub-clovers may be slightly retarded. DO NOT apply to undersown medics.
	Amsinckia (yellow burr), Capeweed, Charlock, Deadnettle, Doublegee (Spiny Emex, Three-cornered Jack), <i>Erodium</i> sp., Mustard, Turnip Weed, White Ironweed (Corn Gromwell), Wild Radish, Wild Turnip	NSW, ACT, Vic only	500 mL plus 500 mL Flowable Diuron	Apply by boom spray or aircraft when the crop is at the 3-5 leaf stage (NSW, ACT and SA only) and 5 leaf 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, Kite, Olympic or Shortim Wheat.
Capeweed, Mustard, Three-cornered Jack, Turnip Weed, Wild Radish, Wild Turnip, Wards Weed, Common Ice Plant, Pimpernel	SA only	350 mL plus 500 mL Flowable Diuron	DO NOT use on very light sandy soils.	
Oats (WA only)	Capeweed, Doublegee, <i>erodium</i> sp., Mustard, Rapistrum, Wild Turnip, Wild Radish	WA only	400 mL plus 350 mL Flowable Diuron	CROP: 3-4 leaf stage (Zadoks 13-14)
			500 mL plus 400 mL Flowable Diuron	CROP: 4-5 leaf stage (Zadoks 14-15)
			500 mL plus 500 mL Flowable Terbutryne	Apply by aircraft or boom with 20-100 L/ha water, when most weeds have germinated and are in 2-5 leaf stage. Crop and weeds should be dry at time of application. Some temporary yellowing of crop may occur after application. Undersown sub-clovers may be slightly retarded. DO NOT apply to undersown medics.
Linseed	Refer to weeds table	Qld only	700 mL to 2.1 L	Apply when crop is 10-15 cm tall with at least 170 L/ha of water. DO NOT spray after buds appear. Some wilting effect may be seen following application but crop usually recovers quickly. DO NOT apply by aircraft.
		NSW, ACT, Vic, SA, Tas only	700 mL to 1.1 L	
Sugar cane	Blue Top, Chinese Burr, Flannel Weed, Gambia Pea, Bell Vine, Streaked Rattle Pod, Bindweed, Pink Convolvulus, Cupids Flower, Morning Glory	Qld only	1.4 L	POST EMERGENT: Apply as a directed inter-row spray. DO NOT exceed rates with phenoxy sensitive varieties.
	As above plus Fat Hen, Noogoora Burr		2.1 L	
	All of the above		10 L	
Flax	Refer to weeds table	Vic, Tas only	490 mL	Apply to crop when 8-20 cm high.

## 2. PASTURES, SEED CROPS & TURF

SITUATION & CROP	WEEDS CONTROLLED	STATE	RATE PER HA	CRITICAL COMMENTS
Grass pastures	Refer to weeds table	All States	700 mL to 4 L	Apply to established grass based pastures. Damage may occur to legumes if present. See "Legume tolerance" under General Instructions. NOTE: Capeweed, Paterson's Curse and Variegated Thistle may be poisonous to stock after spraying.
	Salvation Jane	SA only	1 L plus 400 mL Flowable Diuron	Use this mixture only if spraying is delayed until early Winter. Rosettes should not exceed 20 cm diameter.
	Solider Thistle	SA only	700 mL to 2.1 L	Use low rate on seedlings with no more than 2 true leaves. Use 100 litres of water for best results. If clover present do not exceed 600 mL.
	Seedling and established Horehound	NSW, ACT only	3 L/ha	Apply in Autumn when Horehound plants are at the seedling stage. If sub-clover or medic plants are present they will be damaged by this application.
Annual medic seed crops	Refer to weeds table	Vic, SA, Qld, WA, Tas only	700 mL to 1 L	Apply to established grass seed crops.
Sub-clover seed crops	Refer to weeds table	Vic, SA only	700 mL to 1.5 L	DO NOT exceed rate specified. Spray in Autumn and early Winter.
Pastures – spray/graze techniques	Caltrop, Capeweed, Charlock, Mustards, Paterson's Curse, Shepherd's Purse, Saffron, Slender, Spear or Variegated Thistle, Turnip weeds, Wild Radish, Wild Turnip	NSW, ACT, Vic only	350 mL to 1.4 L	Spray actively growing 6-8 weeks old weeds. Introduce stock 7-10 days after spraying, preferably sheep as cattle are less effective. Use stocking rate at least 5 times heavier than normal until weeds have been reduced but before survival of desirable pasture species is threatened. Lucerne and medics may be damaged and should be grazed short before spraying. See "Legume Tolerance" under General Instructions. PRECAUTION: An increased quantity of poisonous plants may be eaten by stock using spray/graze e.g. Caltrop, Capeweed, Paterson's Curse and Variegated Thistle and deaths could result from causes such as nitrate poisoning. With Paterson's curse, preferably graze stock soon destined for slaughter and avoid extended periods of grazing. Avoid grazing with young or breeding stock. DO NOT graze horses or pigs on Paterson's Curse. Observe Withholding Period of at least 7 days after spraying.
		Tas only	700 mL	
	Refer to weeds table	WA only	925 mL to 1.85 L	
	Capeweed, Dandelion, Seedling Dock, Three-cornered Jack, Geranium, <i>Erodium</i> sp., Mustard, Annual Thistles, Turnip Weed, Wild Radish, Wild Turnip	SA only	500 mL	
	Solider Thistle		600 mL	
Turf	Refer to weeds table	All States	500 mL or 5 mL per 100 sq. metres	Newly laid – Delay until well established or at least two months old. Apply in high volume to actively growing weeds. See "Legume Tolerance". Buffalo Grass is more easily damaged than other grasses.
			1.4 to 2.8 L or 14 to 28 mL per 100 sq. metres	Established – Apply in high volume to actively growing weeds. DO NOT mow for 2 days before application. Some transitory damage may occur to fine turf grasses and strawberry clover. See "Legume Tolerance". Buffalo Grass is more easily damaged than other grasses.

## 3. SPOT SPRAYING

SITUATION & CROP	WEEDS CONTROLLED	STATE	MIXING RATES / CRITICAL COMMENTS
High volume spraying	Refer to weeds table	All States	Add 1/10th of rate on Weed Table to 150 litres of water. Each 150 litres of mix will cover 1000 m <sup>2</sup> (1/10th ha.) eg. If rate in Weed Table is 1.4 L use 140 mL/150 L water.
Knapsack application			Add 1/100th of rate on Weed Table to 10 litres of water. Each 10 litres of mix will cover 100 m <sup>2</sup> (1/100th ha.) eg. If rate in Weed Table is 1.4 L use 14 mL/10 L water.

## 4. NON-CROP AREAS, FALLOW LAND, INDUSTRIAL & COMMERCIAL AREAS, RIGHTS-OF-WAYS

SITUATION & CROP	WEEDS CONTROLLED	STATE	RATE PER HA	CRITICAL COMMENTS
Non-crop areas, fallow land, industrial & commercial areas, rights-of-ways	Refer to weeds table	All States	Refer to weeds table	Apply at rates shown in Weed Table when weeds only are present and no crop or pasture is involved.

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

**WITHHOLDING PERIODS:**

**CEREALS, PASTURE SEED CROPS, PASTURE: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.**

**HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.**

**WEED TABLE:**

When spraying weeds in a crop or pasture situation, use only the rates given for the particular crop or situation indicated under the Directions for Use table. This will usually give satisfactory control; some hard to kill weeds in an advance stage of growth may only be suppressed. The rates listed in the Weed Table below are for use where the weeds only are present and there is no crop or pasture.

**APPLICATION RATE PER HECTARE**

<b>WEEDS CONTROLLED</b>	<b>VIC</b>	<b>NSW, ACT</b>	<b>SA</b>	<b>TAS</b>	<b>QLD</b>	<b>WA</b>	<b>CRITICAL COMMENTS</b>
Ball Mustard	–	–	1.7	–	–	–	Apply at rosette stage.
Bathurst Burr	2 L	1-2 L	2 L	2 L	2 L	2 L	Spray young seedlings only.
Black Bindweed	–	1.4-2 L	–	–	1.4-2 L	–	Apply at young stage prior to flowering.
Californian Burr	–	1-2 L	–	2.2 L	–	–	Spray young seedlings only.
Cape Tulip	–	–	–	–	–	2 L	Apply just prior to flowering. Gives mild suppression only.
Capeweed	–	2.1 L	2.1 L	2.1 L	2.1 L	–	Apply at seedling stage.
Carrot Weed	2 L	–	–	–	2 L	–	Apply at seedling stage.
Charlock	700 mL	1 LA	700 mL	1-2.2 L	700 mL	–	Spray up to rosette stage.
Cutleaf Mignonette	–	–	2.1 L	–	–	–	Apply at young rosette stage.
Dandelion	2 L	2 L	2 L	2 L	2 L	2 L	Apply at young rosette stage.
Deadnettle	–	2.1 L	–	–	2.1 L	–	Moderately susceptible. Apply at seedling stage.
Docks	1.5 L	–	2.1 L	2.1 L	–	–	Apply at rosette stage and before flower heads emerge. Only the top growth of old established plants will be affected.
Fat Hen	2 L	1-2 L	–	2 L	2 L	–	Spray up to rosette stage.
Fennel	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L	–	Apply at young stage.
Field Bindweed	2 L	–	2 L	2 L	2 L	2 L	Apply at bud stage, repeating over several seasons.
Field Cress	–	–	–	2.2 L	–	–	Apply at young stage.
Flatweed or Catsear	–	–	–	2.2 L	–	1.4 L	Apply when weeds are 10-15 cm high.
Fumitory (red)	1.4 L	1.4 L	1.4 L	–	1.4 L	–	Apply at young stage prior to flowering.
Hoary Cress	4.5 L	–	2.1 L	–	4.5 L	–	Apply before flowering.
Horehound	–	3 L	2.1 L	–	–	–	Apply at rosette stage.
Hedge Mustard	1.1 LA	–	700 mL	700 mL	700 mL	1.25 L	Apply at rosette stage.
Hexham Scent or Melilotus	1.5 L	1.2 L	1.4 L	–	1.4 L	–	Apply at young seedling stage.
Lesser Swinecress	–	–	–	2.2 L	–	–	Apply at young stage.
Lincoln Weed	–	–	700 mL	–	–	–	Apply at rosette stage.
London Rocket	–	–	–	–	–	1.25 L	
Lupins	–	700 mL-1.5 L	–	–	–	1.25 L	Spray up to 10 cm high.
Mintweed	2 L	2 L	–	–	2 L	–	Spray young seedlings only.
Mustards	1.1 LA	1 LA	1.1 L	1.1 L	–	1.25 L	Spray up to rosette stage.
Noogoora Burr	2 L	1-2 L	2 L	–	2 L	2 L	Spray young seedlings only.
Opium Poppy	–	–	–	2.2 L	–	–	Apply at young stage.
Paterson's Curse	–	1-1.5 L	–	–	4 L	–	Apply early rosette stage.
Pimpernel	–	–	700 mL	–	–	–	Apply at rosette stage.
Plaintains	–	2 L	–	2 L	2 L	–	Apply at young stage.
Ragwort	–	–	0.5-1.0 L	–	–	–	Use lower rates for seedlings, higher rate for rosettes to 50 mm diameter.
Rapeseed	–	1-1.5 L	–	–	–	–	Spray up to rosette stage.
Rough Poppy	–	700 mL-1.5 L	–	–	–	–	Spray up to rosette stage.
Safflower	–	700 mL-1 L	–	–	–	–	Spray up to rosette stage.
Shepherd's Purse	–	–	–	2.2 L	–	–	Apply at rosette stage.
Skeleton Weed	–	1.5-2 L	–	–	–	–	Spray rosettes before aerial growth commences.
Sorrel	–	–	2.1 L	–	–	–	Apply to rosette stage.
Stinkwort	2 L	1-1.5 L	2 L	–	–	2 L	Apply when weeds are 10-15 cm high.
Sunflower (seedlings)	–	1-1.5 L	–	–	–	–	Spray up to rosette stage.
<b>Thistles</b>							
Artichoke	1.6 L	–	2.1 L	–	2 L	700 mL	Apply at rosette stage.
Nodding	–	2.5 L	–	–	–	–	Spray early rosettes. Repeat spray required in following Spring or Autumn.
Saffron	1.5-2.5 L	1-2 L	1.4-2.5 L	1.4-2.5 L	1.4-2.5 L	1.5-2.5 L	Spray up to rosette stage. (September WA)
Scotch or cotton	2.2 L	–	700 mL-1.4 L	2.2 L	–	–	Apply at seedling stage.
Slender	3 L	1-2 L	1 L	3 L	–	3 L	Spray young seedlings only.
Soldier	1.1 L	–	1.1 L	–	–	–	Spray young seedlings. Use higher rate for larger weeds.
Spear	–	1.5-2 L	–	2.2 L	–	–	Apply to rosette stage.
Star	–	–	1-1.4 L	–	–	–	Apply at seedling stage. Use higher rate for larger weeds.
Variegated	1.5 L	1-2 L	700 mL-1.4 L	1.5 L	1.5 L	1.5 L	Spray young seedlings only. Use 2 L/ha (SA) for well developed weeds.

APPLICATION RATE PER HECTARE *continued*

WEEDS CONTROLLED	VIC	NSW, ACT	SA	TAS	QLD	WA	CRITICAL COMMENTS
Turnip Weed	1.1 LA	1 LA	1 L	–	–	–	Spray up to rosette stage.
Wild Artichoke	–	–	2.1 L	–	–	–	Apply at rosette stage.
Wild Radish	1.4 L	1 LA	1.4 L	2 L	700 mL- 1.1 L	1.2 L	Spray up to rosette stage.
Wild Turnip	1.1 LA	1LA	700 mL	2 L	700 mL- 1.1 L	900 mL	Spray up to rosette stage.

**GENERAL INSTRUCTIONS**

Before opening, carefully read Directions For Use, Precautionary Statements, Safety Directions and First Aid Instructions. Weeds should be sprayed while actively growing and at their most susceptible stage. As a general guide, annuals should be sprayed when young and perennials just prior to appearance of bud stage. Extremes of cold or drought are unfavourable. The best conditions are when the soil is moist, weather fine and rain unlikely within 6 hours following application. DO NOT spray crops or weeds outside the stages indicated in 'Critical Comments' as damage, loss of yield or inadequate weed control may result. DO NOT spray in high winds.

**LEGUME TOLERANCE:** The relative tolerance of legumes is:

Lucerne	- not tolerant	Medics	- low tolerance
Sub-Clover	- moderate tolerance	White Clover	- high tolerance
Strawberry Clover	- high tolerance		

The use of MCPA is preferred to 2,4-D Amine or 2,4-D Ester in situations where legumes are undersown in crop. Observe tolerance of particular legumes in table.

DO NOT spray cereal crops undersown with lucerne as damage may result. The tolerance of pasture legumes to applied product can vary with species, variety, growing conditions, stage of growth and companion crop cover.

**APPLICATION/MIXING INFORMATION**

This product mixes readily with water. Half fill the spray tank with clean water and add the required amount of product. Agitate thoroughly before adding the remainder of water.

BOOM SPRAYING – Use 30-120 litres of water per hectare.

AERIAL SPRAYING – Use 10-90 litres of water per hectare.

**COMPATIBILITY/TANK MIXES**

This product can be tank mixed with Banvel<sup>†</sup>, Bronco, Tackle<sup>®</sup>, Igran<sup>†</sup>, Flowable Terbutryne, Tordon<sup>†</sup>, Tribunil<sup>†</sup> and Flowable Diuron. The effectiveness of Imidan<sup>†</sup>, Le Mat<sup>†</sup>, Metasystox and Dimethoate may be reduced if tank mixed with this product. When tank mixing add the required amount of compatible product when the spray tank is nearly full and while continuously agitating. If left overnight, agitate thoroughly before spraying.

**RESISTANT WEEDS WARNING**

FARMOZ MCPA 500 Herbicide is a member of the Phenoxy group of herbicides. MCPA 500 has the disruption of plant cell growth mode of action. For weed resistance management MCPA 500 is a Group I Herbicide. Some naturally occurring weed biotypes resistant to MCPA 500 and other Group I 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 MCPA 500 or other Group I herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, FARMOZ Pty. Ltd. accepts no liability for any losses that may result from the failure of MCPA 500 to control resistant weeds. However, resistance should not be assumed without viewing the method of application, the coverage and the timing of application. Consult your local FARMOZ representative or Agronomist for further information.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT**

DO NOT contaminate streams, rivers or waterways with the product or used containers.

**PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS**

DO NOT spray in high winds. DO NOT spray crops or weeds outside the stages indicated in "Critical Comments" as damage, loss of yield or inadequate weed control may result.

**DRIFT WARNING**

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.

PACK SIZE: 20 L, 110 L, 200 L, 1000 L

Avoid spray drift and vapour movement onto susceptible crops such as cotton, tobacco, tomatoes, vines, lupins, fruit trees, lucerne, ornamentals, vegetables, legume crops and pastures, oilseed crops and susceptible trees (eg. kurrajongs, belahs, eucalypts).

**STORAGE AND DISPOSAL (20 L, 200 L)**

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.

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

**Envirodrum Micro Matic Valve (110 L)**

Store the original sealed Envirodrum in a cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the Envirodrum with water or any foreign matter. After each use of the product, please ensure that the Micro Matic coupler delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the Envirodrum have been used, please return the Envirodrum to the point of purchase. The Envirodrum remains the property of FARMOZ Pty. Ltd.

**1000 L**

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use then the integrity of this product cannot be assured. If this occurs FARMOZ Pty. Ltd. should be advised immediately. This minibulk container is reusable and remains the property of FARMOZ Pty. Ltd. DO NOT rinse empty container. Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage. No other liquid, solid or pesticide product should be put into it. When empty return to FARMOZ Pty. Ltd. for cleaning, relabelling and refilling.

**SAFETY DIRECTIONS**

Harmful if swallowed. Attacks eyes. Will irritate the skin. When opening the container, preparing and using the prepared spray wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves and goggles. If product on skin, wash area with soap and water. If product or spray 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 131126.

**MSDS**

Additional information is listed in the material safety data sheet (MSDS). A material safety data sheet for MCPA 500 is available from FARMOZ on request. Call Customer Service on (02) 9431 7800.

**CONDITIONS OF SALE:** The use of FARMOZ MCPA 500 Selective Herbicide being beyond the control of the manufacturer, no warranty expressed or implied is given by FARMOZ Pty. Ltd., regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and FARMOZ Pty. Ltd. accepts no responsibility for any consequence whatsoever resulting from the use of this product.

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