

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

**CHEMAG  
LVE MCPA 500  
HERBICIDE**

**Active Constituent: 500g/L MCPA  
PRESENT AS THE ISO-OCTYL ESTER  
SOLVENT: 150 g/L LIQUID HYDROCARBON**

**GROUP I HERBICIDE**

**For selective control  
of certain weeds in agricultural crops  
as listed in the Directions For Use Table.**

**READ THE ATTACHED LEAFLET BEFORE OPENING OR USING THIS PRODUCT**

**5/20/200/1000 Litres**

**ChemAg Pty. Ltd. ACN 009 234 691  
Suite 12, 11 Preston Street Como Western Australia 6152  
Tel: (08) 9367 1799 Fax: (08) 9474 4676**

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

Avoid spray drift and Vapour movement on susceptible crops such as cotton, vines, tomatoes, vegetables, fruit trees, Lucerne, legume crops and pastures, oilseed crops or other susceptible crops or trees (e.g. Kurrajongs, Belahs, Eucalyptus). 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.

**Legume Tolerance:** The tolerance of pasture legumes to this product can vary with species, variety, growing conditions, stage of growth and companion crop cover. While MCPA is preferable to 2,4-D in most situations, this product will cause greater damage than MCPA amine formulations. Lucerne and medics should not be sprayed under any circumstances with this product as severe damage will result.

**PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIROMENT:**

DO NOT contaminate streams, rivers of water with the chemicals 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 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 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.

**For REFILLABLE containers:** Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.

**SAFETY DIRECTIONS:**

Harmful if swallowed. Attacks eyes. Will irritate the skin. When 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 goggles. If product in eyes, wash it 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, face shield and contaminated clothing.

**FIRST AID:**

If poisoning occurs, contact a Doctor or Poisons Information Center (Phone 131126). If swallowed, and if more than 15minutes from a hospital induce vomiting, preferably using Ipecac Syrup APF.

**MATERIAL SAFETY DATA SHEET (MSDS):**

Additional information is listed in the MSDS which is available from the supplier.

**CONDITIONS OF SALE:**

"ChemAg Pty Ltd shall not be liable for any loss, injury, damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence 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 ChemAg's skill of judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of ChemAg has any authority to add to or alter these conditions".

NRA Approval No. 51687/0799  
Date of Manufacture:

Batch Number:

For further information, refer to the Material Safety Data Sheet (MSDS)  
**In case of emergency: Phone 000 Police or Fire Brigade**

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**NRA Approval No: 51687/0799**

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STANDARD DIRECTIONS FOR USE AND WEED TABLE FOR EC PRODUCTS  
CONTAINING 500 g/L MCPA.

**DIRECTIONS FOR USE:**

<b>Situation &amp; Crop</b>	<b>Weeds Controlled</b>	<b>Rate L/ha</b>	<b>Critical Comments</b>
Wheat  (up to early flag leaf (Z37) only)	Refer Weed Table	500ml to 2.1L	Use lower rate (500ml/ha) when crop is at 3 to 5 leaf stage (Z.13 - Z.15).  Apply higher rates from 5 leaf stage through to flag leaf just visible (Z.15 - Z.37). Kulin: use only from Z.15 - Z.37 (WA only).
Oats, Barley, Triticale and Cereal Rye.  (up to early flag leaf (Z37) only)		500ml to 1.6L	Use low rate (500ml) when crop is at 3-5 leaf stage (Z.13 - Z.15). Apply higher rates from 5 leaf stage through to flag leaf just visible (Z.15 - Z.37). Barley: use only from 5 leaf stage to flag leaf just visible (Z.15 - Z.37)
Grass Pastures and Grass Seed Crops		500ml to 2.1L	Apply to established grass based pastures. Damage may occur to Legumes if present. See "Legume Tolerance" under Protection of Crops. NOTE: Capeweed, Paterson's Curse (Salvation Jane) and Variegated Thistle may be poisonous to stock after spraying.

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

**WITHHOLDING PERIOD:**

**FOR HARVESTING: NOT REQUIRED WHEN USED AS DIRECTED.**

**DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION**

**WEED TABLE: Specific Weed Control Recommendations**

Where weeds are to be sprayed in a crop of 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.

<b>Weed</b>	<b>Rate L/ha</b>	<b>Critical Comments</b>
<b>Bathurst Burr (<i>Xanthium spinosum</i>)</b>	1.6L	Moderately susceptible. Spray young seedlings.
<b>Capeweed (<i>Arctotheca calendula</i>)</b>	1.7L	Apply up to 2-4 leaf stage only when plants are no larger than 5cm in diameter.
<b>Charlock (<i>Sinapis arvensis</i>)</b>	500ml - 1.6L	Young rosettes very susceptible.
<b>Dandelion (<i>Taraxacum officinale</i>)</b>	1.6L	Apply in early rosette stage.
<b>Fat Hen (<i>Chenopodium album</i>)</b>	1 - 1.6L	Tolerance increases with age. Use lower rates only on seedlings.
<b>Fumitory (<i>Fumaria</i> spp.)</b>	1.1L	Moderately susceptible. Spray up to first true leaf stage. (Not Tas)
<b>Hedge Mustards (<i>Sisymbrium</i> spp)</b>	560ml - 1L	Apply at rosette stage.
<b>Lincoln Weed (<i>Diplotaxis tenuifolia</i>)</b>	700ml (SA only)	Apply up to rosette stage.
<b>London Rocket (<i>Sisymbrium irio</i>)</b>	1.1L	Spray at young stage.
<b>Noogoora Burr (<i>Xanthium occidentale</i>)</b>	1.6L	Tolerance increases with age. Spray young seedlings only.
<b>Paterson's Curse (<i>Echium plantagineum</i>)</b>	1.7L (NSW only)	Apply at 2-4 leaf stage only.
<b>Saffron Thistle (<i>Carthamus lanatus</i>)</b>	1.1 - 1.9L	Spray young rosettes before leaves become spiny.
<b>Scotch (Cotton) Thistle (<i>Onopordum acanthium</i>)</b>	700ml - 1.7L	Spray young rosettes.
<b>Skeleton Weed (<i>Chondrilla juncea</i>)</b>	1.1 - 1.6L (NSW only)	Spray rosettes before aerial growth commences. Moderately susceptible.
<b>Slender Thistle (<i>Carduus tenuiflorus</i>)</b>	2.1L	Moderately susceptible. Spray young rosettes.
<b>Spear Thistle (<i>Cirsium vulgare</i>)</b>	1.5 - 2.1L	Moderately susceptible. Spray young rosettes
<b>Stinkwort (<i>Dittrichia graveolens</i>)</b>	1.6L	Spray very young before plants are 15cm high.
<b>Turnip Weed (<i>Rapistrum rugosum</i>)</b>	700ml - 1.1L	Apply up to rosette stage. Apply lower rates to seedlings.
<b>Variegated Thistle (<i>Silybum marianum</i>)</b>	840ml - 1.1L	Spray at pre-cabbage stage.
<b>Volunteer Canola (<i>Brassica napus</i>)</b>	1.5L	Apply to seedlings only.
<b>Volunteer Safflower (<i>Carthamus tinctorius</i>)</b>	1L	Apply to seedlings only.
<b>Volunteer Sunflower (<i>Helianthus annuus</i>)</b>	1.5L	Apply to seedlings only.
<b>Wild Radish (<i>Raphanus raphanistrum</i>)</b>	1.1 - 1.6L	Apply up to 2-3 leaf stage only.
<b>Wild Sage (<i>Salvia verbenaca</i>)</b>	1.1L	Spray young seedlings.
<b>Wild Turnip (<i>Brassica</i> spp)</b>	500ml - 1.5L	Spray young rosettes. Lower rates for seedlings.

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

**GENERAL INSTRUCTIONS:**

Best results are obtained when the product is applied to weeds which are young and actively growing. As a general guide, annuals should be sprayed when young and perennials should be sprayed just prior to the appearance of bud stage.

Apply when environmental conditions are favorable, ie when soil moisture is good and when rain is unlikely for at least 6 hours. Application in very wet or drought conditions may result in less than satisfactory weed control. Do not spray in high winds.

**Legume Tolerance:**

The relative tolerance of legumes is as follows:

Lucerne:	not tolerant
Medics:	low tolerance
Subclover:	moderate tolerance
White Clover:	High tolerance
Strawberry Clover:	High tolerance

DO NOT spray cereal crops undersown with lucerne as damage may result. The tolerance of pasture legumes can vary with species, variety, growing conditions, stage of growth and companion crop cover. While MCPA is preferable to 2,4-D in most situations, this product will cause greater damage than MCPA Amine formulations. DO NOT spray lucerne or medics under any circumstances as serious injury will result.

**Compatibility**

This product is compatible with Bromoxynil, Clopyralid, Chlorsulfuron, Metsulfuron, Diclofop-methyl, diflufenican, Diuron, fenoxaprop-ethyl, Tebutryn flowable. When tank mixing 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. All tank mixes should be tested prior to mixing commercial quantities.

**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: Use 30-120 Litres of water per hectare.

Aerial Spraying: Use 10-90 Litres of water per hectare.

Equipment that has been used for this chemical should not be used for the application of other materials to sensitive plants, unless it has been well washed out with tank and equipment cleaner, (e.g. 2% cloudy ammonia) followed by several clear water rinses.

**Weed Resistance Warning**

ChemAg LVE MCPA 500 Herbicide is a member of the phenoxy group of herbicides. ChemAg LVE MCPA 500 Herbicide has the disruptor of plant cell growth mode of action. For weed resistance management ChemAg LVE MCPA 500 Herbicide is a Group I Herbicide.

Some naturally occurring weed biotypes resistant to ChemAg LVE MCPA 500 Herbicide and other disruptors of plant cell growth 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 ChemAg LVE MCPA 500 Herbicide or other disruptors of plant cell growth herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, ChemAg Pty Ltd accepts no liability for any losses that may result from the failure of ChemAg LVE MCPA 500 Herbicide to control resistant weeds.

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