

POISON

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



LVE MCPA 570 HERBICIDE

ACTIVE CONSTITUENT:
570 g/L MCPA

PRESENT AS THE 2-ETHYL HEXYL ESTER

GROUP I HERBICIDE

For selective control of certain weeds in agricultural crops
as specified in the Directions for Use table

IMPORTANT: READ COMPLETE DIRECTIONS FOR USE
BEFORE USING THIS PRODUCT

4 FARMERS AUSTRALIA PTY LTD

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DIRECTIONS FOR USE

SITUATION & CROP	WEEDS	RATE/ha	CRITICAL COMMENTS
Wheat (up to early flag leaf (Z37) only)	Refer weed table	440 mL-1.84 L	Use the lower rate (440 mL/ha) when crop is at 3-5 leaf stage (Z13-Z15). Apply higher rates from 5 leaf stage through to flag leaf just visible (Z15-Z37). Kulin: Use only from z15-Z37 (WA only)
Oats, Barley, Triticale, and Cereal Rye (up to early flag leaf (Z37) only)		440 mL-1.4 L	Use the lower rate (440 mL/ha) when crop is at 3-5 leaf stage (Z13-Z15). Apply higher rates from 5 leaf stage through to flag leaf just visible (Z15-Z37). Barley: Use only from 5 leaf stage to flag leaf just visible.
Grass Pastures and Grass Seed Crops		440 mL-1.84 L	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.
CEREALS Wheat, Barley, Oats, Triticale, Cereal Rye	Wild Radish Stage of weed growth		*Reduced efficacy (suppression only) may be achieved in wild radish longer than 8 leaf or greater than 180 mm in diameter. DO NOT use this tank-mix if cereals are undersown with lucerne or annual medics. Crop Stage Nugrex 350 mL+LVE MCPA 570 175 mL: Apply from 3 leaf to fully tillered (Zadok's Z13 to Z30). Nugrex 500 mL+LVE MCPA 570 175 mL: Apply from the 3 leaf stage to fully tillered (Zadok's Z13 to Z30). Nugrex 500 mL+LVE MCPA 570 350 mL: Apply from 5 leaf stage to fully tillered (Zadok's Z16 to Z30).
	Up to the 4 leaf stage and not more than 120 mm in diameter	LVE MCPA 570 175 mL plus Nugrex 350 mL	
	Up to the 6 leaf stage and not more than 150 mm in diameter	LVE MCPA 570 175 mL plus Nugrex 500 mL	
	Up to the 8 leaf stage and not more than 180 mm in diameter*	LVE MCPA 570 350 mL plus Nugrex 500 mL	Optimum results are achieved when sprayed at 3-5 leaf crop stage (generally 4-8 weeks post-sowing). WA only: DO NOT apply to Barley or Kulin Wheat before the 5 leaf stage (K15). Warning: Nugrex may cause transient crop yellowing of cereals. Some varieties of oats have not been tested. (Refer to "Crop Tolerance" section of General Instructions on the Nugrex label).

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 soil is moist, weather fine and rain unlikely within 6 hours following application. DO NOT spray 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.

APPLICATION/MIXING INFORMATION

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

BOOM SPRAYING – Use 30-120 L/ha of water.

AERIAL SPRAYING – Use 10-90 L/ha of water.

EQUIPMENT MAINTENANCE AND USAGE

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 Spraymate Tank & Equipment Cleaner followed by several clear water rinses.

COMPATIBILITY/TANK MIXES

4Farmers LVA MCPA 570 Herbicide can be mixed with Ally*/Associate*, Kamba®, Bromicide®, Flowable Diuron, Flowable Igran, Glean*/Lusta*, Glyphosate, Roundup PowerMAX®, Grasp*, Nugrass®/Hoegrass*, Nugran/Logran*, Nugrex/Tigrex*, Lontrel*/Archer™, Propon, Puma*. 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. When mixing with Nugrass or Hoegrass, add an approved surfactant and do not exceed 615 mL of 4Farmers LVE MCPA 570 Herbicide per hectare. For consistent results, use a minimum of 80 L water per hectare by ground and 30 L by air, and if wild oats are present, use 2 L Nugrass per hectare.

RESISTANT WEEDS WARNING

GROUP I HERBICIDE

4Farmers LVE MCPA 570 Herbicide is a member of the Phenoxy group of herbicides. 4Farmers LVE MCPA 570 Herbicide has the disruptors of plant cell growth mode of action. For weed resistance management 4Farmers LVE MCPA 570 Herbicide is a Group I herbicide. Some naturally-occurring weed biotypes resistant to 4Farmers LVE MCPA 570 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 4Farmers LVE MCPA 570 Herbicide or other disruptors of plant cell growth herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, 4 Farmers Australia Pty Ltd accepts no liability for any losses that may result from the failure of 4Farmers LVE MCPA 570 Herbicide to control resistant weeds.

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

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, CRUSTACEANS AND ENVIRONMENT

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

WEED TABLE: SPECIFIC WEED CONTROL RECOMMENDATIONS

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 not crop or pasture is involved. Use at these levels in a crop or pasture other than for spot spraying may cause damage.

WEED	RATE/ha	CRITICAL COMMENTS
Bathurst Burr (<i>Xanthium spinosum</i>)	1.4 L	Moderately susceptible. Spray young seedlings.
Capeweed (<i>Arctotheca calendula</i>)	1.49 L	Apply up to 2 to 4 leaf stage only when plants are no larger than 5 cm in diameter.
Charlock (<i>Sinapis arvensis</i>)	440 mL to 1.4 L	Young rosettes very susceptible.
Dandelion (<i>Taraxacum officinale</i>)	1.4 L	Apply in early rosette stage.
Fat Hen (<i>Chenopodium album</i>)	880 mL to 1.4 L	Tolerance increases with age. Use lower rate only on seedlings.
Fumitory (Fumaria spp)	965 mL	Moderately susceptible. Spray up to first true leaf stage (not Tas.)
Hedge Mustards (Sisymbrium spp)	490 mL to 880 mL	Apply at rosette stage.
Lincoln Weed (<i>Diplotaxis tenuifolia</i>)	615 mL	Apply up to rosette stage only.
London Rocket (<i>Sisymbrium irio</i>)	965 mL	Spray at young stage.
Noogoora Burr (<i>Xanthium occidentale</i>)	1.4 L	Tolerance increases with age. Spray young seedlings only.
Paterson's Curse (<i>Echium plantagineum</i>)	1.49 L	Apply at 2 to 4 leaf stage only.
Saffron Thistle (<i>Carthamus lanatus</i>)	965 mL to 1.66 L	Spray young rosettes before leaves become spiny.
Scotch (Cotton) Thistle (<i>Onopordum acanthium</i>)	615 mL to 1.49 L	Spray young rosettes.
Skeleton Weed (<i>Chondrilla juncea</i>)	965 mL to 1.4 L	Moderately susceptible. Spray rosettes before aerial growth commences.
Slender Thistle (<i>Carduus tenuiflorus</i>)	1.84 L	Moderately susceptible. Spray rosettes.
Spear Thistle (<i>Cirsium vulgare</i>)	1.31 L to 1.84 L	Moderately susceptible. Spray rosettes.
Stinkwort (<i>Dittrichia graveolens</i>)	1.4 L	Spray very young before plants are 15cm high.
Turnip Weed (<i>Rapistrum rugosum</i>)	615 mL to 965 mL	Apply up to rosette stage. Apply lower rates to seedlings.
Volunteer Canola (<i>Brassica napus</i>)	1.31 L	Apply to seedlings only.
Variiegated Thistle (<i>Silybum marianum</i>)	735 mL to 965 mL	Spray at pre-cabbage stage.
Volunteer Safflower (<i>Carthamus tinctorius</i>)	880 mL	Apply to seedlings only.
Volunteer Sunflower (<i>Helianthus annuus</i>)	1.31 L	Apply to seedling only.
Wild Radish (<i>Raphanus raphanistrum</i>)	965 mL to 1.4 L	Apply up to 2 to 3 leaf stage only.
Wild Sage (<i>Salvia verbenaca</i>)	965 mL	Spray young seedlings.
Wild Turnip (<i>Brassica</i> spp)	440 mL to 1.3 L	Spray young rosettes. Lower rates for seedling.

STORAGE AND DISPOSAL

20L only. Store in the closed, original container in a dry, cool, well-ventilated area out of 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 recycle 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.

110L only. Store the original sealed returnable drum 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 returnable drum 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 returnable drum have been used, please return the empty drum to the point of purchase.

1000L only. Store in the closed, original container in a cool well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Empty contents fully into application equipment. Close all valves and return to point of sale for refill or storage.

SAFETY DIRECTIONS

Harmful if swallowed. Attacks the 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 is 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. Wash hands after use. 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 13 11 26.

SAFETY DATA SHEET

For further information please refer to the Safety Data Sheet. For a copy visit our website at www.4farmers.com.au

NOTICE TO BUYER

4 Farmers Australia Pty Ltd 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 4Farmers skill or judgment in purchasing or using the product and every person dealing with this product does so at their own risk.