

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

QA
MCPA LVE 570 EC

HERBICIDE

ACTIVE CONSTITUENT:

570 g/L MCPA, present as the 2-ETHYLHEXYL ESTER

GROUP 4 HERBICIDE

For selective control of certain weeds in Agricultural Crops as listed in the Directions for Use.

APVMA Approval No.: 84452/149910

EC Formulation Type
Emulsifiable
Concentrate

**BE PROUDLY
AUSTRALIAN**

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 **QUANTUM
AGROSCIENCES**

DIRECTIONS FOR USE

SITUATION & CROP	WEEDS	RATE/HA
Wheat (up to early flag leaf (Z37) only)	Refer Weed Table	440 mL - 1.84 L
Oats, Barley, Triticale and Cereal Rye (up to early flag leaf (Z37) only)		440 mL - 1.8 L
Grass Pastures and Grass Seed Crops		440 mL - 1.84 L
Cereals Wheat, barley, oats, triticale, cereal rye	Wild radish Stage of weed up to the 4-leaf stage and not more than 120 mm in diameter	175 mL plus Tigrex ¹ 350 mL
	Up to the 6-leaf stage and not more than 150 mm in diameter	175 mL plus Tigrex 500 mL
	Up to 8 leaf stage and not more than 180 mm in diameter *	350 mL plus Tigrex 500 mL

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

WITHHOLDING PERIODS

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION.

CRITICAL COMMENTS
Use the lower rate (440 mL/ha) when crop is at 3-5 stage (Z13-Z15). Apply higher rates from 5 leaf through to flag leaf just visible (Z15-Z37). Kulin: Use only from Z15-Z37 (WA only).
Use 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 (Z15-Z37).
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.
* Reduced efficacy (suppression only) may be achieved on wild radish larger than 8 leaf stage or greater than 180 mm in diameter. DO NOT use this tank-mix if cereals are undersown with lucerne or annual medics. Crop Stage Tigrex 350 mL + QA MCPA LVE 570 EC Herbicide 175 mL: Apply from 3 leaf to fully tillered (Z13-30). Tigrex 500 mL + QA MCPA LVE 570 EC Herbicide 175 mL: Apply from 3 leaf to fully tillered (Z13-30). Tigrex 500 mL + QA MCPA LVE 570 EC Herbicide 350 mL: Apply from 5 leaf to fully tillered (Z16-30). 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 (Z15). Warning: Tigrex 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 Tigrex label).

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 of 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 crop or pasture is not involved.

Use at these rates in a crop or pasture other than for spot spraying may cause damage.

Weeds	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 2-4 leaf stage only when plants are no larger than 5cm in diameter.
Charlock (<i>Sinapis arvensis</i>)	400 mL - 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-1.4 L	Tolerance increases with age. Use lower rate only on seedlings.
Fumitory (<i>Fumaria</i>)	965 mL	Moderately susceptible. Spray up to first true leaf stage. (Not Tas).
Hedge Mustards (<i>Sisymbrium</i> spp.)	490 - 880 mL	Apply at rosette stage.
Lincoln Weed (<i>Diplolaxis 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-1.66 L	Spray young rosettes before leaves become spiny.
Scotch (Cotton) Thistle (<i>Onopordum acanthium</i>)	615 mL-1.49 L	Spray young rosettes.
Skeleton Weed (<i>Chondrilla juncea</i>)	965 mL-1.4 L	Moderately susceptible. Spray rosettes before aerial growth commences.
Slender Thistle (<i>Carduus tenuiflorus</i>)	1.84 L	Moderately susceptible. Spray young rosettes.
Spear Thistle (<i>Cirsium vulgare</i>)	1.31 - 1.84 L	Moderately susceptible. Spray young rosettes.
Stinkwort (<i>Dittrichia graveolens</i>)	1.4 L	Spray very young before plants 15cm high.
Turnip Weed (<i>Rapistrum rugosum</i>)	615 - 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 - 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 seedlings only.
Wild Radish (<i>Raphanus raphanistrum</i>)	965 - 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 - 1.31 L	Spray young rosettes. Lower rates for seedlings.

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 emulsifies readily with water. Half fill the spray tank with clean water and add the 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 Tank & Equipment Cleaner followed by several clear water rinses.

COMPATIBILITY/TANK MIXES

This product can be mixed with Metsulfuron 600 WG Herbicide, Kamba®, Bromicide®, Flowable Diuron, Flowable Terbutryn, Glean®/Siege®, Glyphosate, Roundup® Grasp®, Diclofop-Methyl (375 or 500 g/L), Triasulfuron 750 WG Herbicide, Nugrex/Tigrex1, 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 diclofop-methyl, either 375 g/L or 500 g/L add an approved Wetter 1000 (1000 g/L alcohol ethoxylate) surfactant and do not exceed 700 mL of QA MCPA LVE 570 EC Herbicide per hectare.

For consistent results, use a minimum of 50 L water per ha by ground and 30 L by air, and if wild oats are present, use 2 L/ha diclofop-methyl (375 g/L) or 1.5 L/ha diclofop-methyl (500 g/L).

RESISTANT WEEDS WARNING

QA MCPA LVE 570 EC Herbicide is a member of the Phenoxys

GROUP 4 HERBICIDE

group of herbicides. QA MCPA LVE 570 EC Herbicide has the Disruptors of plant cell growth mode of action. For weed resistance management QA MCPA LVE 570 EC Herbicide is a Group 4 herbicide. Some naturally occurring weed biotypes resistant to QA MCPA LVE 570 EC Herbicide and other Group 4 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 QA MCPA LVE 570 EC Herbicide or other Group 4 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Quantum Agrosciences Holdings Pty Ltd accepts no liability for any losses that may result from the failure of QA MCPA LVE 570 EC 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 (e.g. 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 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-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 deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

Refillable containers: 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.

110 L Mini Bulk Returnable Container: Store the original sealed container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT tamper with the MicroMatic valve or the security seal. DO NOT contaminate the container with water or any foreign matter. After each use of the product, please ensure that the Micromatic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the container have been used, please return the empty container to the point of purchase. The container remains the property of Quantum Agrosiences Holdings Pty Ltd.

SAFETY DIRECTIONS: Harmful if swallowed. Attacks eyes. Will irritate the skin. When preparing 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, goggles and contaminated clothing.

FIRST AID: If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone Australia 13 11 26.

SAFETY DATA SHEET: Additional information is listed in the Safety Data Sheet (SDS) which is available from the supplier.

CONDITIONS OF SALE: Quantum Agrosiences Holdings 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 Quantum Agrosiences Holdings Pty Ltd's skill or judgement in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of Quantum Agrosiences Holdings Pty Ltd has any authority to add to or alter these conditions.

Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Combustible liquid. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.



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