

Product Name: Nufarm MCPA LVE 570 Herbicide
APVMA Approval No: 63597/142885



Label Name:	Nufarm MCPA LVE 570 Herbicide
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Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
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Constituent Statements:	ACTIVE CONSTITUENT: 570 g/L MCPA PRESENT AS THE 2-ETHYL HEXYL ESTER
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Mode of Action:	GROUP 4 HERBICIDE
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Statement of Claims:	For selective control of certain weeds in agricultural crops as listed in the DIRECTIONS FOR USE
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Net Contents:	1000 L 110 L 20 L
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Restraints:	<p>Spray Drift Restraints</p> <p>Specific definitions for terms used in this section of the label can be found at www.apvma.gov.au/spraydrift</p> <p>DO NOT allow bystanders to come into contact with the spray cloud.</p> <p>DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.</p> <p>DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.</p> <p>DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.</p>
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	DO NOT apply when wind speed is less than 3 or more than 15 kilometres per hour (aerial application) as measured at the application site.
Directions for Use:	Please see attachment
Other Limitations:	
Withholding Periods:	<p>WITHHOLDING PERIODS</p> <p>HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.</p> <p>GRAZING: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 7 DAYS AFTER APPLICATION. WHEN APPLYING WITH A TANK MIX PRODUCT, OBSERVE THE GRAZING WITHHOLDING PERIOD FOR THE TANK MIX PRODUCT IF THIS IS LONGER THAN 7 DAYS.</p>
Trade Advice:	
General Instructions:	Please see attached
Resistance Warning:	<p>RESISTANT WEEDS WARNING</p> <p>Nufarm MCPA LVE 570 Herbicide is a member of the Phenoxy group of herbicides. Nufarm MCPA LVE 570 has the disruptors of plant cell growth mode of action. For weed resistance management Nufarm MCPA LVE 570 is a Group 4 herbicide. Some naturally occurring weed biotypes resistant to Nufarm MCPA LVE 570 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 Nufarm MCPA LVE 570 or other Group 4 herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm Australia Limited accepts no liability for any losses that may result from the failure of Nufarm MCPA LVE 570 to control resistant weeds.</p>
Precautions:	
Protections:	<p>PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS</p> <p>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.e.g. Kurrajongs, Belahs, Eucalypts).</p> <p>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.</p>

	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>DO NOT contaminate streams, rivers or waterways with the chemical or used container.</p>
Storage and Disposal:	<p>STORAGE AND DISPOSAL</p> <p>Store in the closed, original container in a dry, cool well-ventilated area out of direct sunlight. Protect from frost.</p> <p>Non-refillable containers</p> <p>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.</p> <p>Returnable containers</p> <p>Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p>
Safety Directions:	<p>SAFETY DIRECTIONS</p> <p>Harmful if swallowed. May irritate the skin. Avoid contact with eyes and skin. When opening the container, mixing and loading and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length chemical resistant gloves. Wash hands after use.</p>
First Aid Instructions:	<p>FIRST AID</p> <p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.</p>
First Aid Warnings:	

DIRECTIONS FOR USE

SITUATION & CROP	WEEDS	RATE	CRITICAL COMMENTS
Wheat, Barley, Durum (from 3-leaf stage (Z13) but prior to the 2-node stage (Z32))	Deadnettle (<i>Lamium amplexicaule</i>) Fumitory (<i>Fumaria</i> spp.) Shepherd's purse (<i>Capsella bursa-pastoris</i>) Sow thistle/milkthistle (<i>Sonchus oleraceus</i>) Stinging nettle (<i>Urtica urens</i>) Turnip weed (<i>Rapistrum rugosum</i>) Wild radish (<i>Raphanus raphanistrum</i>) Wireweed (<i>Polygonum aviculare</i>)	440 - 600 mL/ha + 200 mL/ha Frequency® Herbicide + 0.5% NUFARM CanDo™ Adjuvant or similar MSO adjuvant	Refer to Frequency® Herbicide label for specific use requirements. Apply to actively growing weeds, free from stress. Use the higher rate of Nufarm MCPA LVE 570 under high populations and where conditions are less than ideal such as climatic stress or plant shading. Transient bleaching of the crop may occur, particularly under cold or frosty conditions and can be exacerbated in northern areas where frost/cold starts followed by warm bright sunlight days follow. Final yield will not be impacted. DO NOT apply to crops undersown with legumes and other broadleaf fodder.
Wheat (up to early flag leaf (Z37) only)	Refer Weed Table	0.44 - 1.8 L/ha	Use the lower rate (440 mL/ha) when crop is at 3-5 leaf stage (Z13-15). Apply higher rates from 5 leaf stage through to flag leaf just visible (Z15-37). Kulin: Use only from Z15-37 (WA only).
Oats, Barley, Triticale and Cereal rye (up to early flag leaf (Z37) only)		0.44 - 1.4 L/ha	Use lower rate (440 mL/ha) when crop is at 3-5 leaf stage (Z13-15). Apply higher rates from 5 leaf stage through to flag leaf just visible (Z15-37). Barley: Use only from 5 leaf stage to flag leaf just visible (Z15-37).
Grass Pastures and Grass Seed Crops		0.44 - 1.8 L/ha	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 - Up to the 4 leaf stage and not more than 120 mm in diameter	175 mL/ha + T-Rex® 350 mL/ha	^ Reduced efficacy (suppression only) may be achieved on wild radish larger 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 T-Rex 350 mL/ha + Nufarm MCPA LVE 570 175 mL/ha: Apply from 3 leaf to fully tillered (Z13-30). T-Rex 500 mL/ha + Nufarm MCPA LVE 570 175 mL/ha: Apply from 3 leaf to fully tillered (Z13-30). T-Rex 500 mL/ha + Nufarm MCPA LVE 570 350 mL/ha: Apply from 5 leaf stage 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: T-Rex 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 T-Rex label).
	Wild radish - Up to the 6 leaf stage and not more than 150 mm in diameter	175 mL/ha + T-Rex® 500 mL/ha	
	Wild radish - Up to the 8 leaf stage and not more than 180 mm in diameter^	350 mL/ha + T-Rex® 500 mL/ha	

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	Critical Comments
Bathurst burr (<i>Xanthium spinosum</i>)	1.4 L/ha	Moderately susceptible. Spray young seedlings.
Capeweed (<i>Arctotheca calendula</i>)	1.49 L/ha	Apply up to 2-4 leaf stage only when plants are no larger than 5cm in diameter.
Charlock (<i>Sinapis arvensis</i>)	0.44 - 1.4 L/ha	Young rosettes very susceptible.
Dandelion (<i>Taraxacum officinale</i>)	1.4 L/ha	Apply in early rosette stage.
Fat hen (<i>Chenopodium album</i>)	0.88 - 1.4 L/ha	Tolerance increases with age. Use lower rate only on seedlings.
Fumitory (<i>Fumaria</i>)	965 mL/ha	Moderately susceptible. Spray up to first true leaf stage. (Not Tas).
Hedge mustards (<i>Sisymbrium</i> spp.)	490 - 880 mL/ha	Apply at rosette stage.
Lincoln weed (<i>Diplotaxis tenuifolia</i>)	615 mL/ha	Apply up to rosette stage only.
London rocket (<i>Sisymbrium irio</i>)	965 mL/ha	Spray at young stage.
Noogoora burr (<i>Xanthium occidentale</i>)	1.4 L/ha	Tolerance increases with age. Spray young seedlings only.
Paterson's curse (<i>Echium plantagineum</i>)	1.49 L/ha	Apply at 2-4 leaf stage only.
Saffron thistle (<i>Carthamus lanatus</i>)	965 - 1700 mL/ha	Spray young rosettes before leaves become spiny.
Scotch (Cotton) thistle (<i>Onopordum acanthium</i>)	615 - 1500 mL/ha	Spray young rosettes.
Skeleton weed (<i>Chondrilla juncea</i>)	965 - 1400 mL/ha	Moderately susceptible. Spray rosettes before aerial growth commences.
Slender thistle (<i>Carduus tenuiflorus</i>)	1.8 L/ha	Moderately susceptible. Spray young rosettes.
Spear thistle (<i>Cirsium vulgare</i>)	1.3 - 1.8 L/ha	Moderately susceptible. Spray young rosettes.
Stinkwort (<i>Didtrichia graveolens</i>)	1.4 L/ha	Spray very young before plants 15cm high.
Turnip weed (<i>Rapistrum rugosum</i>)	615 - 965 mL/ha	Apply up to rosette stage. Apply lower rates to seedlings.
Variegated thistle (<i>Silybum marianum</i>)	740 - 960 mL/ha	Spray at pre-cabbage stage.
Volunteer canola (<i>Brassica napus</i>)	1.3 L/ha	Apply to seedlings only.
Volunteer safflower (<i>Carthamus tinctorius</i>)	880 mL/ha	Apply to seedlings only.
Volunteer sunflower (<i>Helianthus annuus</i>)	1.3 L/ha	Apply to seedlings only.
Wild radish (<i>Raphanus raphanistrum</i>)	965 - 1400 mL/ha	Apply up to 2-3 leaf stage only.
Wild sage (<i>Salvia verbenaca</i>)	965 mL/ha	Spray young seedlings.
Wild turnip (<i>Brassica</i> spp)	440 - 1300 mL/ha	Spray young rosettes. Lower rates for seedlings.

GENERAL INSTRUCTIONS

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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 in adequate 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 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.