

POISON

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

TITAN

LVE MCPA 570

HERBICIDE

ACTIVE CONSTITUENT: 570g/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.: 66950/54778

Pack Size: 5-1000L



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EC	Formulation Type Emulsifiable Concentrate
IN A TRANSPORT EMERGENCY • DIAL 000 • POLICE OR FIRE BRIGADE	
 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains MCPA) PG III Hazchem •3Z	

DIRECTIONS FOR USE

SITUATION & CROP	WEEDS	RATE/ha	CRITICAL COMMENTS
Wheat (up to early flag leaf (Z37) only)	Refer Weed Table	440mL-1.84L	Use the lower rate (440mL/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)		440mL-1.84L	Use lower rate (440mL/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).
Grass Pastures and Grass Seed Crops		440mL-1.84L	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 on Wild Radish larger than 8 leaf or greater than 180mm in diameter.
	Up to the 4 leaf stage and not more than 120mm in diameter	TITAN LVE MCPA 570 Herbicide 175mL plus TITAN LV MCPA/Diflufenican Selective Herbicide 350mL	DO NOT use this tank-mix if cereals are undersown with lucerne or annual medics. Crop Stage TITAN LV MCPA/Diflufenican Selective Herbicide 350mL + TITAN LVE MCPA 570 Herbicide 175mL: Apply from 3 leaf to fully tillered (Z13-30).
	Up to the 6 leaf stage and not more than 150mm in diameter	TITAN LVE MCPA 570 Herbicide 175mL plus TITAN LV MCPA/Diflufenican Selective Herbicide 500mL	TITAN LV MCPA/Diflufenican Selective Herbicide 500mL + TITAN LVE MCPA 570 Herbicide 175mL: Apply from 3 leaf to fully tillered (Z13-30).
	Up to the 8 leaf stage and not more than 180mm in diameter*	TITAN LVE MCPA 570 Herbicide 350mL plus TITAN LV MCPA/Diflufenican Selective Herbicide 500mL	TITAN LV MCPA/Diflufenican Selective Herbicide 500mL + TITAN LVE MCPA 570 Herbicide 350mL: 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: TITAN LV MCPA/Diflufenican Selective Herbicide 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 TITAN LV MCPA/Diflufenican Selective Herbicide label).

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

WITHHOLDING PERIOD:

HARVEST: NOT REQUIRED WHEN USED AS DIRECTED.

GRAZING: 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 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>)	1.4L	Moderately susceptible. Spray young seedlings.
Capeweed (<i>Arctotheca calendula</i>)	1.49L	Apply up to 2-4 leaf stage only when plants are no larger than 5cm in diameter.
Charlock (<i>Sinapis arvensis</i>)	400mL-1.4L	Young rosettes very susceptible.
Dandelion (<i>Taraxacum officinale</i>)	1.4L	Apply in early rosette stage.
Fat Hen (<i>Chenopodium album</i>)	880mL-1.4L	Tolerance increases with age. Use lower rate only on seedlings.
Fumitory (<i>Fumaria</i>)	965mL	Moderately susceptible. Spray up to first true leaf stage. (Not Tas).
Hedge Mustards (<i>Sisymbrium</i> spp.)	490-880mL	Apply at rosette stage.
Lincoln Weed (<i>Diptolaxis tenuifolia</i>)	615mL	Apply up to rosette stage only.
London Rocket (<i>Sisymbrium irio</i>)	965mL	Spray at young stage.
Noogoora Burr (<i>Xanthium occidentale</i>)	1.4L	Tolerance increases with age. Spray young seedlings only.
Paterson's Curse (<i>Echium plantagineum</i>)	1.49L	Apply at 2 to 4 leaf stage only.
Saffron Thistle (<i>Carthamus lanatus</i>)	965mL-1.66L	Spray young rosettes before leaves become spiny.
Scotch (Cotton) Thistle (<i>Onopordum acanthium</i>)	615mL-1.49L	Spray young rosettes.
Skeleton Weed (<i>Chondrilla juncea</i>)	965mL-1.4L	Moderately susceptible. Spray rosettes before aerial growth commences.
Slender Thistle (<i>Carduus tenuiflorus</i>)	1.84L	Moderately susceptible. Spray young rosettes.
Spear Thistle (<i>Cirsium vulgare</i>)	1.31-1.84L	Moderately susceptible. Spray young rosettes.
Stinkwort (<i>Dittrichia graveolens</i>)	1.4L	Spray very young before plants 15cm high.
Turnip Weed (<i>Rapistrum rugosum</i>)	615-965mL	Apply up to rosette stage. Apply lower rates to seedlings.
Volunteer Canola (<i>Brassica napus</i>)	1.31L	Apply to seedlings only.
Variegated Thistle (<i>Silybum marianum</i>)	735-965mL	Spray at pre-cabbage stage.
Volunteer Safflower (<i>Carthamus tinctorius</i>)	880mL	Apply to seedlings only.
Volunteer Sunflower (<i>Helianthus annuus</i>)	1.31L	Apply to seedlings only.
Wild Radish (<i>Raphanus raphanistrum</i>)	965mL-1.4L	Apply up to 2 to 3 leaf stage only.
Wild Sage (<i>Salvia verbenaca</i>)	965mL	Spray young seedlings.
Wild Turnip (<i>Brassica</i> spp.)	440mL-1.31L	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 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 30-120L/ha of water.

Aerial Spraying: Use 10-90L/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

This product can be mixed with TITAN LVE MCPA 570 Herbicide, Kamba*, Bromicide*, Flowable Diuron, Flowable Terbutryn, Glean*/Siege*, TITAN Glyphosate, Roundup*, Grasp*, Diclofop-Methyl 375 Selective Herbicide, Triasulfuron 750 WG Herbicide, TITAN LV MCPA/Diflufenican Selective Herbicide, 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 Diclofop-Methyl 375 EC Selective Herbicide add an approved Wetter 1000 Surfactant and do not exceed 700mL of TITAN LVE MCPA 570 Herbicide per hectare. For consistent results, use a minimum of 80L water per ha by ground and 30L by air, and if wild oats are present, use 2L Diclofop-Methyl 375 EC Selective Herbicide per hectare.

RESISTANT WEEDS WARNING

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

GROUP **4** HERBICIDE

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 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 chemical 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 500mm 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.

Envirodrum 110L Mini Bulk Returnable Container: 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 empty Envirodrum to the point of purchase. The Envirodrum remains the property of TITAN AG Pty Ltd.

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.

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 131126; New Zealand 0800 764 766.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN LVE MCPA 570 Herbicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit titanag.com.au

CONDITIONS OF SALE: TITAN AG 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 TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG 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: Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Precautionary Statement: Do not breathe mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. Wash all exposed external body areas thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Do not handle until all safety precautions have been read and understood. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/ attention. Immediately call a POISON CENTER/doctor/physician/first aider. Collect spillage. IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider if you feel unwell. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation

* Other trademarks

