

# MCPA 400 SL

L5793 – Act 36 of 1947 / N-AR 1092

HERBICIDE GROUP 4

Active Ingredients:

MCPA (4-chloro-2-methylphenoxy) acetic acid 400 g / ℓ  
(as the phenoxy acetic salt) (potassium salt) 470 g / ℓ

Registration Holder:

VILLA CROP PROTECTION (PTY) LTD (1992/002474/07)



Office No: 021 981 4011

21 Viben Street, Brackenfell

Technical advise: 082 562 5330

Medical Emergency: 0861 555 777

## WARNINGS:

- May be harmful if swallowed.
- Very toxic to aquatic life with long lasting effects.

- **Allow seven (7) days between last application and harvest or grazing of treated areas.**
- Handle **MCPA 400 SL** with care.
- Store in a cool place, away from food, feeds, seed, fertilizers and other agricultural chemicals.
- Keep out of reach of children, unformed persons and animals.
- Avoid spray drift onto susceptible crops, e.g., all broadleaf crops, as well as all grain varieties in a susceptible stage of growth.
- Re-entry: Do not enter treated area within (one) 1 day after treatment unless wearing protective clothing.
- **In case of poisoning, take the patient to a physician immediately and make this label available to him/her.**

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

## PRECAUTIONS:

- Avoid release to the environment.
- IF SWALLOWED: Get medical help.
- Collect spillage.
- Dispose of contents/container to suitable landfill in accordance with local regulations.

- Wear protective clothing: rubber gloves, boots and face shield when handling the concentrate and rubber gloves and boots during application.
- Wash contaminated clothing daily.
- Wash with soap and water after use and after accidental skin contact.
- Do not eat, drink or smoke whilst mixing and applying, or before washing hands and face and change of clothing.
- Avoid spray drift onto other crops, grazing, rivers, dams or areas not under treatment or to nearby water sources.
- Clean applicator with a household ammonia solution (1 %) before using with other pesticides. Let solution stand for several hours, preferably overnight. Rinse at least twice.
- This applicator should not be used for applying chemicals other than herbicides.
- Dispose of wash water where it will not contaminate food, grazing, boreholes, rivers or dams.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler [www.croplife.co.za](http://www.croplife.co.za). Do not bury, burn, or donate the container to any other parties that may use it as a container for food or beverages.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the empty container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

## RELEVANT HAZARDOUS COMPONENTS

MCPA (4-chloro-2-methylphenoxy) acetic acid	400 g / ℓ
(as the phenoxy acetic salt) (potassium salt)	470 g / ℓ

## FIRST AID TREATMENT

- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if person feels unwell.
- **Skin contact:** Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if person feels unwell.
- **Eye contact:** Flush eyes with clean water. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing.
- **Ingestion:** **Seek medical attention** or call a poison control centre for treatment advice. Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.

## NOTE TO PHYSICIAN

This product contains a phenoxy herbicide. There is no antidote available. Treat symptomatically and supportively. Gastric lavage with activated charcoal is advised. Follow up with saline cathartic laxative. Avoid oily laxatives.

## RESISTANCE WARNING:

**MCPA 400 SL** is a group code 4 herbicide. Any weed population may contain individuals naturally resistant to **MCPA 400 SL** and other group code 4 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **MCPA 400 SL** or any other group code 4 herbicide.

To delay herbicide resistance:

- Avoid the exclusive continuous use of herbicides with the same Group Code. Alternate with, or use in tank mixtures with products from different Weed Group Codes.
  - Integrate with other control methods (chemical, cultural, biological) in weed control programmes.
- For specific information regarding resistance management contact the registration holder or the supplier.

**Mode of action:** MCPA is a selective, systemic hormone-type herbicide that is absorbed through the leaves and roots. It is translocated acropetally and basipetally in the phloem and xylem and then accumulates in the meristematic regions.

**USE RESTRICTIONS:**

To prevent damage, do not permit drift, vapour, or spray mist to come into contact with sensitive broadleaf crops, fruit trees and ornamental plants. Apply the product strictly in accordance with the application directions.

**DIRECTIONS FOR USE: Use only as directed.**

**Ground application:** Avoid fine droplet size - use low-pressure flat fan nozzles of 80 degrees or equivalent anti-drift type and do not exceed a spray pressure of 200 kPa. Spray volume must exceed 150 litres per hectare. Do not exceed spray height of 50 cm above target and ground speed of 10 km per hour. Do not apply if wind velocity exceeds 15 km per hour. The difference between the wet and dry bulb readings on a whirling hygrometer must not exceed 8 °C.

**Pre-emergence treatment:** Plant the crop in a weed free, moist soil immediately after preparation of a fine seedbed. For control of annual grasses, as indicated, application should be performed before emergence of the grass seedlings.

**Post-emergence treatment:** Apply only when the crop is in the correct stage of development, as indicated. Weeds should only be sprayed in the young stages and when actively growing in moist soil. Rain one day after application will not reduce the effectiveness of the herbicide.

**RECOMMENDATIONS:**

CROP	APPLICATION RATE	COMMENTS
Established grass Pasture	10 ml / 1 ℓ water per 20 m <sup>2</sup>	An application of nitrogenous fertilizer 2-3 weeks before application is recommended.
Established lawns	10 ml / 1 ℓ water per 20 m <sup>2</sup>	Fertilize with a nitrogenous fertilizer prior to treatment as for pastures.

SOME WEED SPECIES NORMALLY CONTROLLED BY MCPA 400 SL:	
<b>Pre- and Post-emergence:</b>	
<i>Ageratum conyzoides</i>	Blue weed
<i>Amaranthus spp.</i>	Pigweeds
<i>Arctotis leiocarpa</i>	Karoo daisy (early rosette stage)
<i>Arctotis venusta</i>	Free State daisy
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Bidens formosa</i>	Cosmos
<i>Bidens pilosa</i>	Common blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Commelina benghalensis</i>	Benghal wandering Jew
<i>Galinsoga parviflora</i>	Small-flowered quick weed
<i>Plantago lanceolata</i>	Narrow-leaved ribwort
<i>Portulaca oleracea</i>	Purslane
<i>Raphanus raphanistrum</i>	Wild radish
<i>Tagetes minuta</i>	Tall khaki weed
<i>Vicia hirsuta</i>	Tiny purple vetch
<i>Vicia sativa</i>	Vetch
<b>Pre-emergence only:</b>	
<i>Brachiaria eruciformis</i>	Sweet signal grass
<i>Eleusine indica</i>	Goose grass
<i>Panicum schinzii</i>	Vlei Panicum (early germinating)
<i>Setaria verticillata</i>	Bur bristle grass
<i>Sorghum verticilliflorum</i>	Common wild Sorghum
<b>Post-emergence only:</b>	
<i>Datura ferox*</i>	Large thorn apple
<i>Datura stramonium*</i>	Thorn apple
<i>Polygonum aviculare</i>	Prostrate knotweed
<i>Striga asiatica</i>	Witchweed
<i>Tribulus terrestris</i>	Common dubbeltje
<i>Xanthium spinosum</i>	Spiny cocklebur
<i>Xanthium strumarium</i>	Cocklebur

**REMEMBER:**

- No irrigation or rain within 6 hours after application of MCPA.
- Apply only to actively growing weeds.
- Lawns may show a temporary yellowing especially where over spraying might have occurred (i.e. double of higher dosage rate).
- Spraying must be done as evenly as possible, i.e. not too much or too little in certain areas.
- It is advised that a fertiliser with high nitrogen content is applied 7 days before spraying takes place to obtain the maximum effect.