

A selective hormone herbicide for the control of numerous broadleaf weeds in various crops.

'n Selektiewe hormoontipe onkruidodder vir die beheer van verskeie breëblaaronkruidе in verskillende gewasse.

Registration Holder and Distributed by /
Registrasiehouer en Verspreiding deur:
Makhro Home And Garden (Pty) Ltd
Reg. Nr. 2014 / 283523 / 07
18 Viben Street, Brackenfell 7560
Tel: (021) 981 4011

MAKHRO HOME AND GARDEN (PTY) LTD

MCPA 400 SL

Reg. Nr. L7809 – Act 36 of 1947
N-AR 0919

HRAC HERBICIDE GROUP CODE 0 HRAC ONKRUIDDODERGROEPKODE

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

MCPA (phenoxy acid)
as potassium salt

400 g / l

MCPA (fenoksiesuur)
as 'n kaliumsout



HARMFUL
SKADELIK



Yellow band

Geel band

MAKHRO MCPA

L7809 - Act No. 36 of 1947 / N-AR 0919

HRAC HERBICIDE GROUP CODE O

Active Ingredient: MCPA (phenoxy acid) as potassium salt 400 g / l

Registration Holder: Makhro-Agro SA (Pty) Ltd (1994/001973/07)



Office No: 021 981 4011
21 Viben Street, Brackenfell
Technical advise: 082 562 5330
Medical Emergency: 0861 555 777

WARNINGS:

- Allow 7 days between last application and harvesting or grazing.
- Handle with care.
- Poisonous by contact, swallowing or inhalation.
- Store away from food, feedstuff and seed.
- Keep out of reach of children, uninformed persons and animals.
- Avoid spray drift onto any broadleaved plants, crops, trees, shrubs and flowering plants.

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 inhalation of fumes and spray mist.
- Wash with soap and water after accidental skin contact.
- Remove contaminated clothing immediately and wash before reuse.
- Prevent drift onto other crops, grazing, rivers, dams or any area not under treatment.
- Clean applicator with 1% Ammonia solution before using for other remedies and dispose of wash water where it will not contaminate food, grazing, rivers or dams / Use applicator only for herbicide applications.
- Prevent contamination of food, foodstuffs, drinking water and eating utensils.
- Do not smoke, eat or drink while using or before washing and changing clothing.

TRIPLE RINSE AND DISPOSAL:

Rinse empty container THREE times with volume of water equal to minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank. Destroy empty container by perforation and flattening. Dispose of in a safe way and never use for any other purpose.

SYMPTOMS OF HUMAN POISONING:

No incidence of human poisoning is known. Human poisoning is highly improbable due to low oral and dermal toxicity.

FIRST AID TREATMENT:

Ingestion: Dilute swallowed material by giving large quantities of water. Induce vomiting by gagging victim with finger of blunt object.

Skin contact: Wash affected areas with plenty of water for at least 10 minutes. Seek medical attention if irritation occurs.

Eye contact: Flush with clean, running water for at least 10 minutes. Seek medical attention if irritation occurs.

NOTE TO PHYSICIAN:

Product present a relatively non-toxic agricultural herbicide. No antidotes are known. Treat symptomatically and give supportive therapy.

RESISTANCE WARNING:

For resistance management **MAKHRO MCPA** is a group code O herbicide. Any weed population may contain individuals naturally resistant to **MAKHRO MCPA** and other group code O herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds might not be controlled by **MAKHRO MCPA** or other group code O herbicides.

To delay the development of herbicide resistance the following should be done:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix products from different herbicide codes.
- Integrate control methods (chemical, cultural and biological) into weed control programs.

For specific information contact the local distributor agent.

DIRECTIONS FOR USE:

Use only as directed.

MIXING AND APPLICATION:

Dilute with clean water and apply evenly to target weeds.

Ground application:

Avoid fine droplet size. Use low-pressure flat fan nozzles of 80°. Do not exceed a spray height of 50 cm above the target and ground speed of 10 km/h. Do not apply if the winds exceeds 15 km/h.

USE RESTRICTIONS:

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

RECOMMENDATIONS:

CROP	APPLICATION RATE 5 l / 100 m ²	COMMENTS
Established grass Pasture	50 ml	An application of nitrogenous fertilizer 2-3 weeks before application is recommended.
Established lawns	50 ml	Fertilize with a nitrogenous fertilizer prior to treatment as for pastures.

LIST OF SOME WEED CONTROLLED:

<i>Ageratum conyzoides</i>	Billygoat weed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<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 benhalensis</i>	Wandering Jew
<i>Convolvulus arvensis</i>	Field bindweed
<i>Datura ferox</i>	Large thorn apple
<i>Galinsoga parviflora</i>	Small Flowered Quick Weed
<i>Portulaca oleracea</i>	Common Purslane
<i>Raphanus rapharistrum</i>	Wild Radish
<i>Richardia brasiliensis</i>	Tropical Richardia
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Tall Khaki Weed
<i>Tribulus terrestris</i>	Common dubbeltjie
<i>Vicia sativa</i>	Common Vetch
<i>Xanthium strumarium</i>	Large cockle bur

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. For example GREEN GAIN 1 FOR ALL fertilizer.

MAKHRO MCPA

L7809 - Wet Nr. 36 van 1947 / N-AR 0919

HRAC ONKRUIDDODERGROEPKODE O

Aktiewe Bestanddeel: MCPA (fenoksiesuur) as 'n kalium sout 400 g / ℓ

Registrasiehouer: Makhro-Agro SA (Pty) Ltd (1994/001973/07)



Kantoor Nr: 021 981 4011

Vibenstraat 21, Brackenfell

Tegniese advies: 082 562 5330

Mediese nood: 0861 555 777

WAARSKUWINGS:

- Laat 7 dae tussen laaste toediening en oes of beweiding toe.
- Hanteer versigtig.
- Giftig deur kontak, insluk en inaseming.
- Bêre weg van voer, voedsel en saad.
- Hou buite bereik van kinders, oningeligende persone en diere.
- Vermy spuitdrywing op enige breëblaarplante, gewasse, bome, struik en blomplante.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale klimaats- en bergingstoestande; kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die siekte teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir die gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om tiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMATREËLS:

- Vermy inaseming van dampe en sproeinewel.
- Was met seep en water na toevallige vel kontak.
- Verwyder besmette klere onmiddelik en was voor hergebruik.
- Vermy oorwaai na ander gewasse, weidings, rivier, damme of areas nie onder behandeling nie.
- Maak spuittoerusting met 1% Ammonia oplossing skoon voordat vir ander middels gebruik word en raak ontslae van die spoelwater waar dit nie voedsel, weiding, riviere en damme sal besoedel nie / Gebruik die spuittoerusting net vir onkruiddodertoediening.
- Moet nie rook, eet of drink terwyl gebruik word of voor gewas is en ander klere aangetrek is nie.
- Voorkom besoedeling van kos, voer, drinkwater en eetgerei.

WAGDOENING:

Spoel leë houers DRIEKEER uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat houer vernietig word. Vernietig die leë houer deur gate daarin te maak en dit plat te slaan. Verseker dat die leë houer in 'n veilige plek weggegooi word en moet dit nooit vir enige ander doel gebruik nie.

SIMPTOME VAN MENSLIKE VERGIFTING:

Geen voorval van menslike vergifting is bekend nie. Menslike vergifting is hoogs onwaarskynlik weens lae orale en dermale giftigheid.

NOODHULPBEHANDELING:

Inname per mond: Verdun die materiaal wat ingeneem is deur groot hoeveelhede water te gee. Veroorsaak braking deur die agterkant van die keel met 'n vinger of 'n stomp voorwerp te prikkel.

Velkontak: Was besoedelde dele met baie water vir ten minste 10 minute af. Kry mediese hulp indien irritasie voorkom.

Oogkontak: Spoel met skoon lopende water vir ten minste 10 minute uit. Kry mediese hulp indien irritasie voorkom.

NOTA AAN GENEESHEER:

Die produk is 'n relatiewe nie-toksiese onkruiddoder. Geen teenmiddel is bekend. Behandel simptome en gee ondersteunende terapie.

WEERSTANDWAARSKUWING:

Vir die bestuur van weerstand word **MAKHRO MCPA** as 'n groepkode O onkruiddoder geklassifiseer. Enige onkruidpopulasie mag individue hê wat natuurlik weerstand teen **MAKHRO MCPA** en ander groepkode O onkruiddoders besit. Die weerstandbiedende individue kan uiteindelik hierdie populasie domineer as hierdie onkruiddoders herhaaldelik gebruik word.

Om onkruidweerstand te vertraag kan die volgende gedoen word:

- Vermy die herhaaldelike eksklusiewe gebruik van onkruiddoders met dieselfde onkruiddodergroepkodes. Wissel af of gebruik tenkmengsels met produkte van ander onkruidgroepkodes.
 - Integreer beheermetodes (chemiese, verbouing en biologies) in onkruidbeheerprogramme.
- Vir spesifieke inligting skakel met die lokale verspreider se agent.

GEBRUIKSAANWYSINGS:

Gebruik slegs soos aangedui.

VERMENGING EN TOEDIENING:

Verdun met skoon water en dien egalig toe oor teikenonkruid.

Grondtoediening:

Verm y fun druppelgroottes. Gebruik laedruk plat waaierspuitpunte van 80°. Moet nie 'n spuihoogte van 50 cm bokant die teiken en grondspoed hoër as 10 km/h oorskry nie. Indien die windspoed hoër is as 15 km/h, moet die produk nie toegedien word nie.

GEBRUIKSBEPERKINGS:

Om skade te voorkom moet verhoed word dat dampe of spuitnewel in aanraking kom met of wegdryf na sensitiewe breëblaargewasse, vrugtebome or sierplante. Dien die produk streng volgens die gebruiksaanwysings toe.

AANBEVELINGS:

GEWAS	DOSIS 5 ℓ / 100 m ²	OPMERKINGS
Gevestigde grasweiding	50 ml	Die toediening van 'n stikstofhoudende kunsmis 2 - 3 weke voor toediening word aanbeveel.
Gevestigde grasperke	50 ml	Die toediening van 'n stikstofhoudende kunsmis 2 - 3 weke voor toediening word aanbeveel.

GIDS VAN ONKRUIDE WAT BEHEER WORD:

<i>Ageratum conyzoides</i>	Bokkruid
<i>Amaranthus thunbergii</i>	Rooimisbredie
<i>Amaranthus spinosus</i>	Doringmisbredie
<i>Arctotis venusta</i>	Wit gousblom
<i>Bidens bipinnata</i>	Spaanse knapsekêrel
<i>Bidens formosa</i>	Kosmos
<i>Bidens pilosa</i>	Gewone knapsekêrel
<i>Chenopodium album</i>	Withondebossie
<i>Commelina benhalensis</i>	Wandelende jood
<i>Convolvulus arvensis</i>	Akkerwinde
<i>Datura ferox</i>	Groot stinkblaar
<i>Galinsoga parviflora</i>	Knopkruid
<i>Portulaca oleracea</i>	Gewone porslein
<i>Raphanus rapharistrum</i>	Ramenas
<i>Richardia brasiliensis</i>	Meksikaanse richardia
<i>Schkuhria pinnata</i>	Kleinkakiebos
<i>Tagetes minuta</i>	Langkakiebos
<i>Tribulus terrestris</i>	Gewone dubbeltjie
<i>Vicia sativa</i>	Gewone wieke
<i>Xanthium strumarium</i>	Kankerroos

ONTHOU:

- Geen reën of besproeiing binne 6 ure na toediening van MCPA.
- Dien slegs op aktiefgroeiende onkruid toe.
- Grasperke mag 'n tydelike vergeling toon, veral waar oorvleueling tydens die spuitproses plaasgevind het (m.a.w. dubbel/hoë dosis).
- Die bespuiting moet so egalig moontlik gedoen word m.a.w. nie te veel of te min op seker areas.
- Dit word aanbeveel om kunsmis met 'n hoë stikstof inhoud 7 dae voor bespuiting toe te dien om maksimale effek te bereik. Byvoorbeeld GREEN GAIN 1 FOR ALL kunsmis.