

WARNINGS

- Allow 7 days between last application and harvesting or grazing.
- Handle with care.
- Poisonous by contact, swallowing and inhalation.
- Store away from food, feedstuffs, seed, fertilizer and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Do not apply to land adjacent to susceptible crops as well as grain varieties at a susceptible stage of growth.
- Aerial application: Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Avoid drift to adjacent areas and water contamination.

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 included in the label and the occurrence of resistant weeds, 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 areas 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 a volume of water equal to a 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.

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° or equivalent anti drift type and do not exceed a spray pressure of 200 kPa. Apply in 150-225ℓ water/ha. Do not exceed a spray height of 50 cm above the target and ground speed of 10 km/h. Do not apply if the wind exceeds 15 km/h as measured by a handheld wind recorder approved by the Registrar Act 36 of 1947, or the difference between the wet and dry bulb temperatures is greater than 8°C.

Aerial application:

Must be applied in accordance with Act 36/1947. The product must be applied evenly with a loss of material during application restricted to a minimum. The following guidelines are given:

1. Apply before the crop becomes too dense, thus preventing proper coverage of the weeds.
2. Use a conventional boom and nozzles equipped with flat fan tips. A minimum spray volume of 25 ℓ/ha must be applied and 30-45 droplets/sq cm must be recovered on the target area. The CV for droplet distribution must not exceed 40%.
3. Employ a droplet spectrum with a VMD of 300-350 micron. The following flying heights must be maintained above the target area:
4. At wind speeds of 0 to 8 km/h - 3m; at 9 to 15 km/h - 2m; at more than 15 km/h - do not spray.
5. The difference between the wet and dry bulb readings as determined by a whirling hygrometer must not exceed 8°C. Do not spray during the heat of the day. Ensure that fields are accurately marked and that the aerial spray operator knows exactly which fields to spray. Obtain an assurance from the aerial spray operator that the above spray requirements will be met.

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 in accordance with the application directions. Aerial application in Kwazulu-Natal is prohibited.



FARMAG MCPA

Reg No/ Nr L6114 Act No/ Wet Nr 36/1947

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

'n Seletiewe hormoontipe onkruidodder vir die beheer van breekbaar onkruid in verskillende gewasse.

HRAC: HERBICIDE GROUP CODE	0	HRAC: ONKRUIDODDERGROEPKODE
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ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

MCPA (phenoxy acid) as potassium salt/MCPA (Fenoxiesuur) as kaliumsout..... 400 g/l

Manufacture Date:
Vervaardigingsdatum:

Batch No.:
Lotnommer:

NET MASS/ INHOUD

**SEE ENCLOSED LEAFLET FOR FULL PARTICULARS
SIEN INGESLOTE VOUBILJET VIR VOLLE BESONDERHEDE**

REGISTRATION HOLDER/REGISTRASIEHOUER:

Cedar Falls Properties 130 (Pty) Ltd.

Co. Reg.No. 2006/031383/07

61 Marshall Drive, Old Mill Industrial Park, Mount Edgecombe, South Africa, 4300 • Tel: 031 003 3486

• **Emergency Number: Griffon Poison Information Centre**

UN No.: 3082

HARMFUL SKADELIK

THE WIND SPEED AND DIRECTION AT THE TIME OF APPLICATION WILL DETERMINE THE DISTANCE WHICH MUST SEPARATE THE CLOSEST EDGE OF THE AREA TO BE SPRAYED FROM SUSCEPTIBLE CROPS.

WIND SPEED km/h	AERIAL APPLICATION	GROUND APPLICATION
1,5 - 5	800 m downwind 800 m crosswind 15 m upwind	200 m downwind 200 m crosswind 6 m upwind
5 - 10	1600 m downwind 800 m crosswind 15m upwind	400 m downwind 200 m crosswind 1,5 m upwind
10 -15	3,2 km downwind 800 m crosswind 15 m upwind	800 m downwind 400 m crosswind 1,5 m upwind
Above 15	Prohibited	Prohibited

Recommendations

CROP	APPLICATION RATE (ℓ/ha)	COMMENT (The dosage rate depends on the growth stage of the weeds)
Maize (post emergence)	2,5	Spray only if the crop has reached a height of 45 cm and apply by means of drop arms to avoid spray solution being deposited in the funnels of maize plants. Grass weeds already emerged at this stage will not be controlled.
Grain sorghum (post emergence)	2,5	Apply when crop has reached a height of 15 - 25 cm (about 3 weeks after germination). If application is to be made at a later stage, drop arms are to be used to prevent spray deposit being deposited in to the funnel.
Barley and rye (post emergence)	2,0 - 4,0	Apply when the crop has reached the 5 leaf stage (5 leaves on the main haulm with the 6th leaf visible).
Wheat (post emergence)	2,0 - 4,0	Apply between growth stages 7 and 13 according to the list of growth stages of the Small Grain Centre, Bethlehem.
Established grass Pasture	4,0 - 5,25	An application of nitrogenous fertilizer 2-3 weeks before application is recommended.
Established lawns	4,0 - 5,25	Fertilize prior to treatment as for pastures
Sugarcane (pre-emergence to weeds for plant and ratoon cane)	6,25 - 8,75	Apply as an overall spray in 300-400 ℓ water/ha shortly after planting or harvesting and before weeds and cane leaves emerge.
Sugarcane (post- emergence to weeds for plant and ratoon cane)	6,25 - 8,75	Apply as a directed inter row spray in 300-400 ℓ water/ha, while weeds are still young. If the cane exceeds a height of 40 cm or has unfurled more than 5 leaves per shoot, directed spraying with drop arms must be carried out to avoid temporary growth retardation.
Potatoes (pre-emergence only) CLAY % 0 - 20 21 - 35 above 35	3,25 4,00 5,25	If the crop has been dry planted harrow immediately after the first rain and apply.

CROP	APPLICATION RATE (ℓ/ha)	COMMENT (The dosage rate depends on the growth stage of the weeds)
Apples, pears, peaches and vines: To control <i>Plantago lanceolata</i> and <i>Ipomoea coscinosperma</i> in the Western Cape	5,0 or as a spot treatment 170 mℓ in 15 ℓ water	Apply as directed spray in 400-500 ℓ water/ha. Fine droplets, which could cause drift, should be avoided. Apply either one spray to weeds after blossom of the crop when fruitlets are still very small or two sprays with the first at budburst before the crop blossoms, and the second when fruitlets are still very small.
Apples and pears: To control annual weeds and certain perennial broadleaf weeds in winter.	Early winter: 3,0 ℓ plus 1,5 ℓ CLEAROUT/ha Late winter: 4,0 ℓ plus 2,0 ℓ CLEAROUT/ha	Early winter: Apply as a direct spray to young, actively growing weeds. Late winter: Apply as a directed spray to mature weeds.

NOTE:

DO NOT SPRAY THE FRUIT TREES AND VINES. The spray must be directed away from the trees. Spray only on a calm day. Do not apply in orchards, which are interplanted with any other crops.

Rain or irrigation shortly before or after application can reduce efficacy.

LIST OF SOME WEEDS 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 black jack
<i>Chenopodium album</i>	White goose foot
<i>Commelina benghalensis</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 raphanistrum</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>	Burweed

*CLEAROUT (Reg. no. L4934 Act 36 of 1947) – Registered by GAP Chemicals, P.O. Box 533, Petervale.

WAARSKUWINGS

- Laat een week tussen laaste toediening en oes of beweiding toe.
- Hanteer versigtig.
- Giftig deur kontak, insluk en inaseming.
- Bêre weg van voer, voedsel, saad, kunsmis en ander landbou middels.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Moet nie in die nabyheid van gevoelige gewasse of graan variëteite teen 'n gevoelige groeistadium gebruik word nie.
- Lugbespuiting: Verwittig alle inwoners in die omgewing onmiddellik wat gespuit gaan word en reik die nodige waarskuwings uit. Vermy die oorwaai na aangrensende gebiede en waterbesoedeling.

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 grond-, klimaat-, en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die onkruid teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikhed vir skade aan gewasse, plantegroei, omgewing of vir nadelige effek op mens of dier as gevolg van die versuim van die gebruiker om etiket aanwysings 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 inasemmg van dampe en sproeinewel.
- Was met seep en water na toevallige v1kontak.
- Verwyder besmette klerasie onmiddelik en was voor herbruik.
- Vermy oorwaai na ander gewasse, weidings, riviere, damme of areas nie onder behandeling nie.
- Maak spuittoerusting met 1% Ammonia oplossing skoon voordat dit vir ander middles gebruik word en raak ontslae van die spelwater waar dit nie voedsel, weiding, riviere en damme sal besoedel nie. Gebruik die spuittoerusting net vir onkruidoder toediening.
- 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.

WEGDÖENING

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

GEBRUIKSAANWYSINGS

GEBRUIK NET SOOS AANGEDUI.

Vermenging en toediening

Verdun met skoon water en dien egalig toe oor teiken onkruid.

Grondtoediening:

Vermyn fyn druppelgroottes. Gebruik laedruk plat waaierspuitpunte van 80° of ekwivalente antiwegdrywing tipe en moet nie 'n spuitdruk van 200 kPa oorskry nie. Dien toe in 150-225 ℓ water/ha. Moet nie 'n spuihoogte van 50 cm bokant die teiken en 'n grondspoed hoër as 10 km/h oorskry nie. Indien die windspoed hoër is as 15 km/h (soos bepaal deur handwindmeter goedgekeur deur die registrateur: Wet 36 van 1947) of die verskil tussen die nat- en droëbollesing, soos met 'n swaaighrometer bepaal, meer as 8°C moet die produk nie toegedien word nie.

Lugtoediening:

Lugtoediening moet slegs deur spesialistoedieners in ooreenstemming met die vereiste van Wet 36 van 1947 uitgevoer word. Die produk moet egalig oor die teikengebied versprei word en die verlies aan spuitmiddel tot 'n minimum beperk word. Ten einde hieraan te voldoen moet die volgende vereistes nagekom word:

1. Dien toe voordat die gewas te ruig word wat sal verhoed dat onkruid behoorlik bedek word.
2. Gebruik slegs 'n konvensionele spuitbalk waarvan die spuitstukke met platwaaierspuitpunte toegerus is. Dien 'n minimum van 25 ℓ spuitmengsel/ha toe en verseker dat 30-45 druppels per vk cm op die teikengebied herwin word. Die KV van druppelverspreiding moet nie 40 % oorskry nie.
3. Gebruik 'n druppelspektrum met 'n VMD van 300-350 mikron. Die volgende vlieghoogtes bo die teikengebied moet gehandhaaf word:

Teen windsnelhede van	0 tot 8 km/h	- 3m
	9 tot 15 km/h	- 2 m

15 km/h - staak

toediening.

4. Die verskil tussen die nat en droëbollesing, soos met 'n swaaighrometer bepaal, moet nie 8°C oorskry nie. Moet nie gedurende die hitte van die dag spuit nie. Maak seker dat lande akkuraat gemerk is en dat die lugbespuitingsoperateurs presies weet watter lande om te bespuit. Kry 'n versekering van die lugbespuitingsoperateur dat aan bogenoemde vereistes voldoen sal word.

Gebruiksbeperkings

Om skade te voorkom moet verhoed word dat dampe afsputnewel in aanraking kom met of wegdryf na sensitiewe breblaargewasse, vrugtebome of sierplante. Dien die produk streng volgens die gebruiksaanwysings toe. Lugtoediening in Kwazulu-Natal is verbied.

DIE WINDSPOED EN WINDDRIGTING TYDENS TOEDIENING SAL DIE AFSTAND TUSSEN DIE NAASTE RAND VAN DIE GEBIED WAT BESPUTT MOET WORD EN DIE GEVOELIGE GEWASSE BEPAAL.

WINDSPOED km/h	LUGTOEDIENING	GRONDTOEDIENING
1,5 – 5	800m windaf 800m dwarswind 15m windop	200m windaf 200m dwarswind 6m windop
5 – 10	1600m windaf 800m dwarswind 15m windop	400 m windaf 200m dwarswind 1,5m windop
10 -15	3,2km windaf 800m dwarswind 15m windop	800m windaf 400m dwarswind 1,5m windop
Meer as 15	Verbode	Verbode

Aanbevelings

GEWAS	DOSIS (ℓ/ha)	OPMERKINGS (Die dosis hang af van die groeistadium van die onkruid)
Mielies (na-opkoms)	2,5	Dien toe as die gewas 'n hoogte van 45 cm bereik het en gebruik valarms sodat die middel nie in die kelk beland nie. Grasse wat al klaar opgekrom het, sal nie beheer word nie.
Sorghum (na-opkoms)	2,5	Dien toe as die gewas 'n hoogte van 15-25 cm bereik het (omtrek 3 weke na ontkieming). As toediening op 'n later stadium plaasvind moet valarm gebruik word om te verhoed dat dit middel in die kelk beland.
Gars en rog (na-opkoms)	2,0 - 4,0	Dien toe as die gewas die 5 blaar stadium bereik het. (5 blaar op die hoofalm met die 6de blaar reeds sigbaar.)
Koring (na-opkoms)	2,0 - 4,0	Dien toe tussen groeistadium 7 (middelste dubbelriewe vergroot) en 13 (baard van boonste aartjies verleng) volgens die Kleingraansentrum, Bethibem se lys van groeistadia van koring.
Gevestigde grasweiding	4,0 - 5,25	Die toediening van 'n stikstofhoudende kunsmis 2 - 3 weke voor toediening word aanbeveel.
Gevestigde grasperke	4,0 - 5,25	Die toediening van 'n stikstofhoudende kunsmis 2 - 3 weke voor toediening word aanbeveel.
Suikerriet (voor-opkom van onkruid vir plant en gesnyde riet)	6,25 - 8,75	Dien as 'n algehele bespuiting toe in 300-400ℓ water/ha kort na plantyd of oes, en voor opkom van onkruid en riet
Suikenniet (na-opkom van onkruid vir plant en gesnyde riet)	6,25 – 8,75	Dien toe as 'n gerigte bespuiting tussen rye in 300-400 ℓ water/ha terwyl onkruid nog jonk is. Vanaf 'n hoogte van 40 cm (5 blaarstadium) moet gerigte bespuiting met valarms toegepas word, anders word groei vertraag.
Aartappels (alleenlik voor-opkoms) Klei % 0 - 20 21 - 35 > 35	3,25 4,00 5,25	As die gewas in droëland geplant is, eg dadelik na die eerste reëns en dien toe.

GEWAS	DOSIS (ℓ/ha)	OPMERKINGS (Die dosis hang af van die groeistadium van die onkruid)
Appels, pere, perskes en wingerde: Om <i>Plantago lanceolata</i> en <i>Ipomoea coscinoperma</i> in die Wes Kaap te beheer.	5,0 of as 'n direkte kol bespuiting 170 mℓ in 15 ℓ water	Dien as 'n gerigte bespuiting toe in 400-500 ℓ water/ha. Fyn druppels wat wegdrywing kan veroorsaak moet voorkom word. Dien toe as een bespuiting net na blomtyd of as twee bespuitings met die eerste op botbars en voor blomtyd, en die tweede as die vrugies nog klein is.
Appels en pere: Vir die beheer van meer- en eenjarige onkruid in winter.	Vroë winter: 3,0 ℓ plus 1,5 ℓ CLEAROUT/ha Laat winter: 4,0 ℓ plus 2,0 ℓ CLEAROUT/ha	Vroë winter: Dien toe op aktiewe groeiende onkruid. Laat winter: Dien toe as 'n gerigte spuit op volwasse onkruid.

NOTA:

MOET NIE DIE VRUGTE BOME OF WINGERDE SPUIT NIE. Dien allenlik toe as gerigte bespuiting weg van die bome. Spuit net op a kalm dag. Moet nie die boorde wat met 'n tussenry gewas geplant is, toedien nie.

Reën of besproeing kort voor of na bespuiting kan effektiwiteit verminder.

GIDS VAN ONKRUIDE WAT BEHEER WORD

<i>Ageratum conyzoides</i>	Bokkruid
<i>Amaranthus thunbergii</i>	Roomisbredie
<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 benghalensis</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 raphanistrum</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

*CLEAROUT (Reg nr. L4734, Wet 36 van 1947) Gerigistreur deur: GAP Chemicals



FARMAG MCPA

Reg No/ Nr L6114 Act No/ Wet Nr 36/1947

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

'n Seletiewe hormoon tipe onkruid doder vir die beheer van breeblaar onkruid in verskillende gewasse.

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MCPA (phenoxy acid) as potassium salt/MCPA (Fenoxiesuur) as kaliumsout..... 400 g/l

Manufacture Date:
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NET MASS/ INHOUD

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