

**WARNINGS:**

**Withholding periods:**

Allow the following intervals to elapse between application and use of water.

Sprinkler irrigation .....	7 days
Flood irrigation .....	No restrictions
Domestic use .....	24 hours

- Keep livestock out of area for 24 hours after application.
- Handle with care.
- Diquat can be harmful if swallowed. Do not repack from this container.
- May cause moderate irritation to skin and eyes.
- If inhaled may cause nose bleeding.
- Keep out of reach of children, uninformed persons, and animals.
- Store in the closed, original container in a dry, cool, well-ventilated area under lock and key away from food, feed, fertilizers and seed.
- In case of poisoning call a doctor and make this label available to him.
- **Re-entry:** do not enter treated area within 1 day after application unless wearing protective clothing.
- **Aerial application:** (floating aquatic weeds and sunflowers only). Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not allow spray drift to contaminate water and adjacent areas. Avoid drift onto adjacent crops, as green plant tissue will be damaged by the spray.

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*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 soils, climatic and storage conditions, quality or dilution water, compatibility with other substances not included on the label and the occurrence of resistance of weeds 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 of crops, vegetation, the environment, or harm to man or animal or for the 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:**

- Do not eat, drink, or smoke while handling this product.
- Avoid contamination of food, feed, drinking water and eating utensils.
- Do not use in mist blowers.
- Do not use muddy water.
- With knapsacks and hand held sprayers, mix each 1 part of **FARMAG DIQUAT 200 SL** with at least 40 parts of water.
- Wear rubber gloves and face shield when handling the concentrate. If it comes into contact with eyes, flush it out at once with water. If splashed onto the skin, wash off at once with water. If the concentrate is spilled onto clothes, remove and wash them immediately. (See first aid.)
- Invert the empty containers over the spray or the mixing tank and allow to drain for at least 30 seconds after the flow has slowed to a drip. Rinse the empty container three times with a volume of clean water equal to a minimum of 10% of the container. Add the rinsings to the content of the spray tank before destroying the container as directed.
- Do not inhale spray mist while spraying and avoid contact with the spray as much as possible.
- Take all possible steps to prevent spray from drifting onto other crops, grazing, rivers, or dams.
- When preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, washable hat, elbow-length PVC gloves, face shield or goggles, and half-face respirator or disposable respirator.
- Never re-use the empty containers for any other purpose. Crush or perforate the empty containers and then burn or bury as permitted by local regulations. Keep **FARMAG DIQUAT 200 SL** in the original container, tightly closed, away from food. Dispose of wash water where it will not contaminate crops, grazing, rivers, or dams
- Wash equipment after use with a suitable detergent.
- If clothing becomes contaminated with product or wet with spray, remove clothing immediately and wash.
- Wash yourself with soap and water after application or handling.

**SYMPTOMS OF POISONING:**

Corrosive effect on tissues, burning pain in the mouth, throat, chest and abdomen, intense nausea, vomiting and diarrhoea. Blood may appear in vomitus and faeces. Agitation, restlessness, disorientation and psychotic behaviour have been early manifestations of some diquat poisonings.

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# FARMAG DIQUAT 200 SL

Reg No/Nr: L 9625: Act/Wet 36 of/van 1947

A soluble concentrate contact herbicide for the control of annual broadleaf weeds and grasses in deciduous fruit orchards, vineyards and the pre-harvest desiccation of sunflower and potatoes and the control of floating aquatic weeds in dams.

'n Oplosbare konsentraat van onkruidodder vir die na-opkomsbeheer van eenjarige grasse en breëblaaronkruid in sagtevrugteboorde en wingerde, en die voor-oes uitdroging van sonneblomme en aartappels, (doodspuit van aartappelplante) asook die beheer van drywende wateronkruid in damme.

<b>HRAC: HERBICIDE GROUP CODE</b>	<b>D</b>	<b>HRAC: ONKRUIDODDERGROEPEKODE</b>
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### ACTIVE INGREDIENT /AKTIEWE BESTANDDEEL

Diquation (bipyridylum) .....	200 g/l .....	Dikwatioon (bipiridylum) .....
(as dibromide salt) .....	373,5 g/l .....	(as dibromiedsout)

**Manufacture Date:**  
Vervaardigingsdatum

**Batch No.:**  
Lotnommer

**NETT CONTENTS/ NETTO INHOUD**

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

**Registration holder/Registrasiehouer:**

**CEDAR FALLS PROPERTIES (Pty) Ltd**

Co. Reg. No./Mpy. Reg. No. 2006/031383/07

P.O. Box/Posbus 1523, Durban, 4000. Tel (031) 538 8700

UN No.: 3016



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### FIRST AID

Remove the patient from the source of poisoning to a well-ventilated area and keep the patient calm and assured.

Remove contaminated clothing and rinse contaminated body areas gently with non-abrasive soap and clean cold water. Do not rub the skin.

Rinse contaminated eyes with clean running water for at least 15 minutes, holding the eyelid(s) open until no evidence of the chemical remains. In case of ingestion induce vomiting immediately if not already occurring and transfer patient to the nearest hospital as soon as possible. Never give anything by mouth to an unconscious person.

**Take the patient to the nearest physician immediately.**

### MEDICAL TREATMENT

- Give 1 ℓ of suspension of Fullers Earth (15 %) or Bentonite (7 %) with purgative, e.g. Mannitor (20 % solution) or magnesium sulphate (200 mℓ). Repeat (4 – 6 hours) until stools contain adsorbent. Additional oxygen may be given if necessary. With haemo-perfusion or haemodialysis, do not use anticoagulants, e.g. heparin. Peritoneal dialysis is the most commonly used treatment of renal failure. Pay particular attention to maintaining fluid/electrolyte balance.

### RESISTANCE MANAGEMENT

For resistance management, **FARMAG DIQUAT 200 SL** is a group code D (BIPYRIDYL) herbicide. Any weed population may contain individuals naturally resistant to **FARMAG DIQUAT 200 SL** and other group code D herbicides since they 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 and exclusively in programs. These resistant weeds may not be controlled by **FARMAG DIQUAT 200 SL** or any other group codes D herbicides.

To delay herbicide resistance:

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

Instances of weeds being resistant to paraquat and glyphosate applications are known. In such cases, the weed population might then also be resistant to **FARMAG DIQUAT 200 SL**.

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

**AERIAL APPLICATION:** (floating aquatic weeds and sunflowers only).

Aerial application of this product may only be done by registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 0118 (Aerial application of Agricultural Remedies). Flying height, pressure, nozzle size and positioning on the aircraft should be such as to minimise spray drift. It is important to ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

#### a) Application parameters:

- **Volume:** A spray volume of 35 – 40 liters per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee or be held responsible for any adverse effects if the product is applied aerially at a lower volume rate than recommended above.
- **Droplet Coverage:** Droplet coverage of 35 – 40 droplets per cm<sup>3</sup> must be recovered at the target.
- **Droplet size:** a droplet spectrum with a VMD of 350 – 400 microns is recommended. Ensure that the production of the fine droplets (less than 150 microns – high drift & evaporation potential) is restricted to a minimum.
- **Flying height:** The height of the spray boom should be maintained at 3 – 4 meters above the target. Do not spray when aircraft is in a climb, at the top or during a dive, or when banking.

#### b) Equipment:

- Use suitable **atomizing equipment** (hydraulic nozzles or rotary atomizers) that will produce the desired droplet size and coverage and which will ensure the minimum loss of product whether through endodrift (within target field) or exodrift (outside target area). The operator must use a setup that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles/atomizers should be positioned within the inner 60 % to 75 % of the wingspan to prevent droplets from entering the **wingtip vortices**.
- The difference in **temperatures** between the wet and the dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if **winds exceed** 15 km/h.
- Aerial application of this product must not be done under **turbulent**, unstable conditions during the heat of the day when rising thermals and downdraughts occur.
- Also note that the application of this product under temperature **inversion conditions** (spraying in or above the inversion layer) may lead to the following:

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- Reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
- Damage to the other sensitive crops and or non-target field.
- **Avoid spray drift onto adjacent crops, as green plant tissue will be damaged by the spray.**

**CONVENTIONAL APPLICATIONS:**

Mix the required amount of **FARMAG DIQUAT 200 SL** with clean water in the spray tank. Ensure good weed coverage. **AVOID SPRAY DRIFT.** Do not spray buds or green parts of any crop. **FARMAG DIQUAT 200 SL** kills tissue but does not harm mature bark.

**NOTE:** Repeat application of **FARMAG DIQUAT 200 SL** may be necessary for suppression of deep-rooted weeds such as:

*Convolvulus arvensis* – (field bind weed),  
*Malva parviflora* – (small mallow),  
*Plantago lanceolata* – (narrow-leaved ribwort) and  
*Rumex angiocarpus* – (sheep sorrel).

**AQUATIC WEED CONTROL IN DAMS:**

**FARMAG DIQUAT 200 SL** can be used in fish-bearing dams for the control of aquatic weeds at the recommended rate below.

**NB.** Before treating fish-bearing water consult your **FARMAG DIQUAT 200 SL** distributor.

WEED	DOSAGE	REMARKS
<b>FLOATING AQUATIC WEEDS</b> Such as salvinia and water hyacinth	7,5 – 10 ℓ <b>FARMAG DIQUAT 200 SL</b> plus a registered surfactant in 200 ℓ water/ ha	<b>Aerial application:</b> Apply in 35 – 40 ℓ water/ha
<b>Submerged aquatic weeds.</b> <i>Potamogeton</i> spp. <i>Lagarosiphon</i> spp.	<b>Total dam treatment:</b> 50 ℓ <b>FARMAG DIQUAT 200 SL</b> /ha dam surface area (depth of dam 1 m). Dilute <b>FARMAG DIQUAT 200 SL</b> with an equal quantity of clean water before application	Apply into inflow water via an intravenous medical drip apparatus at a drip rate of 1 drop per second. Repeat the application when necessary.
	<b>Spot treatment:</b> 0,5 ℓ <b>FARMAG DIQUAT 200 SL</b> /100 m <sup>2</sup>	Apply with knapsack sprayer in 20 ℓ water/100 m <sup>2</sup> weed surface area. Do not apply to more than 25 % of total dam surface area in a two-week period. Repeat application when necessary.

**NOTE-WARNING:**

- Do not use **FARMAG DIQUAT 200 SL** if any conditions exist contributing to high algae populations in the dam. The death of these algae could cause depletion in available oxygen in the water and possible fish mortalities. High nutrient levels, artificial feeding, low water levels, high temperature and unnaturally high fish populations (i.e. caged fish) are such factors that could contribute to high algae populations.
- Only apply **FARMAG DIQUAT 200 SL** to dams with clean water. Do not apply **FARMAG DIQUAT 200 SL** to dams containing suspended clay particles or where vegetation in the dam is coated with clay or soil particles as suspended soil particles interfere with herbicidal action.
- Apply **FARMAG DIQUAT 200 SL** with application equipment to supply a coarse droplet spectrum.
- Where water depth is less than 1m use a low pressure applicator as muddy turbulence from the bottom will de-activate the product.

**WEED CONTROL IN CROPS:**

CROP	DOSAGE	REMARKS
<b>Deciduous fruit orchard and vineyards</b>	1,5 – 5 ℓ <b>FARMAG DIQUAT 200 SL</b> /ha in 200 – 750 ℓ water	For the control of annual grasses and broadleaved weeds, especially Cape marigold ( <i>Arctotheca calendula</i> ). Dosage/ha will depend on stand, growth stage and growing conditions of weeds. Use higher volume and dosage rate for dense weeds. For vineyards apply overall before budburst, thereafter as a directed spray.

**NOTES:**

1. Where both annual grasses and Cape marigold occur in vineyards and deciduous fruit orchards, **FARMAG DIQUAT 200 SL** may be added to HARPOON 200SL (L8967) of GAP PARAQUAT 200 SL (L9059) in equal parts accordance with directions for use on the respective labels.

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2. For **FARMAG DIQUAT 200 SL** and the HARPOON 200 SL (GAP PARAQUAT 200 SL) /**FARMAG DIQUAT 200 SL** mixture use the recommended amounts of a registered surfactant.

**HARVESTING AID IN OTHER CROPS**

CROP	DOSAGE	REMARKS
<b>SUNFLOWERS</b> For the desiccation of sunflower for earlier harvesting	1,5 ℓ <b>FARMAG DIQUAT 200 SL</b> /ha	<b>Aerial application:</b> Apply in 35 – 40 ℓ/water/ha when the moisture of the sunflower is between 30 – 40 % or when the peripheral bracts on the sunflower heads are brown and becoming brittle. Add an approved surfactant.  <b>NB: DO NOT APPLY AFTER THE END OF FEBRUARY</b>
<b>POTATOES</b> Haulm killing for the early harvesting of potatoes, especially seed potatoes.	2,5 – 5,0 ℓ <b>FARMAG DIQUAT 200 SL</b> / ha	Apply in 500 – 1 000 ℓ water /ha Add a registered surfactant. Do not apply in haulms that show signs of wilting as tuber damage may occur. Do not apply in overcast conditions.

**NOTE: avoid spray drift onto adjacent crops as green plant tissue will be damaged by the spray.**

**WEEDS CONTROLLED BY FARMAG DIQUAT 200 SL:**

**All annual broadleaf weeds including:**

- Arthrothea calendula* – Cape Marigold
- Erodium moschatum* – Musk Heron's bill

**FARMAG DIQUAT 200 SL** will not control any perennial weeds, woody shrubs or plants with large vegetative reproductive organs such as common reed.

**FARMAG DIQUAT 200 SL** = Registered Trade Mark of FarmAg International (PTY) Ltd

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**WAARSKUWINGS:**

**Weerhoudingsperiodes:**

Laat die volgende rustye verstryk tussen die toekenning en die gebruik van water.

Sprinkelbesproeiing .....	7 dae
Vloedbesproeiing .....	Geen Beperking
Huishoudelike Gebruik .....	24 uur

- Na behandeling moet alle lewende hawe vir 24 uur nie binne die behandelde area toegelaat word nie.
- Hanteer versigtig.
- **FARMAG DIQUAT 200 SL** kan skadelik wees indien deur die mond ingeneem. Moenie die houer hergebruik nie.
- Dit mag matige irritasie op die vel en oë veroorsaak.
- Indien ingeasem kan dit aanleiding gee dat die neus begin bloei.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Berg ongebruikte **FARMAG DIQUAT 200 SL** in die oorspronklike houer in 'n koel, goed geventileerde (lugversorgde) geslote plek. Die vertrek moet met 'n slot en sleutel (grendel) gesluit word, weg van ander landboumiddels, saad, voedsel en voer.
- Moet nie waterbronne, damme en riviere besoedel nie.
- Indien toevallige of vermoedelike vergiftiging sou voorkom, moet 'n dokter dadelik ontbied word en hierdie etiket moet aan hom/haar getoon word.
- **Herbetreding:** Moenie die behandelde gebied binne 1 dag na toediening betree nie, tensy beskermende oorklere gedra word, soos aanbeveel vir die toediening van die spuitmengsel (sien VOORSORGMATREËLS).
- **Lugtoediening (sonneblom en wateronkruid alleenlik):** Stel alle persone in die onmiddellike omgewing van die gebied wat behandel gaan word in kennis van die bespuiting en reik die nodige waarskuwings uit. Moenie toelaat dat die spuitdrywing die water en omliggende areas besoedel nie. Vermoed dat die bespuiting dryf na die nabygeleë gewasse, omdat groenplantweefsel deur die bespuiting beskadig sal word.

*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 bergingstoestand, kwaliteit van of verdunning van water, mengbaarheid met ander plaagdoders wat nie op die etiket aangedui is nie. 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 verantwoordelikheid vir skade aan die gewasse, plantegroei, omgewing of enige nadelige gevolge op mense of diere of weens 'n gebrek aan prestasie van die onkruidoder betrokke, as gevolg van die versuim van die gebruiker om die etiketaanwysings te volg of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer of registrasiehouer in geval van enige onsekerheid.*

**VOORSORGMATREËLS:**

- Moenie eet, drink of rook terwyl die produk hanteer word nie.
- Vermoed besoedeling van voer, voedsel, drinkwater en eetgerei.
- Moenie die produk in 'n misblaser gebruik nie.
- Moenie modderige water gebruik nie.
- Wanneer rugsak en handsput gebruik word, moet een deel **FARMAG DIQUAT 200 SL** met ten minste 40 dele water gemeng word.
- Dra beskermende oorklere (gesigskerm en rubberhandskoene) wanneer die konsentraat hanteer word, en wanneer die spuitmengsel toegedien word. Indien die middel in aanraking kom met die vel, moet dit onmiddellik met water en seep afgewas word. Indien die produk op klerre gemors word, moet dit dadelik uitgetrek en gewas word (kyk EERSTE HULP RIGLYNE).
- Tydens voorbereiding van die spuitgif and die gebruik daarvan, moet katoenoppakke wat die nek en gewrigte toemaak, gedra word. 'n Wasbare hoed, PVC handskoene wat tot by die elmboog strek, gesigskerm of 'n bril, en 'n half-gesigmasker of 'n weggoibare masker gedra word.
- Indien die oë besmet word, moet die oë vir minstens 15 minute met skoon, lopende water gespoel word.
- Moenie eet, drink of rook terwyl die spuitmengsel aangemaak of toegedien word nie voordat die hande en gesig nie eers deeglik gewas is nie.
- Moenie spuitgif inasem nie terwyl gesput word nie en vermyn enige kontak met die spuitgif sover as moontlik.
- Voorkom dat spuitnevel oorwaai na ander gewasse, weidingsgebiede, watermassas en gebiede wat nie behandel moet word nie.
- Alle meet- en toedieningsapparaat moet deeglik skoongemaak word na gebruik en voordat dit gebruik word vir die toedien van 'n ander middel. Raak van die waswater ontslae op 'n verantwoordelike wyse sodat die omgewing en waterbronne nie besoedel word nie.
- Keer die leë houer om oor die spuitpenk en laat dit toe om vir minstens 30 sekondes leeg te loop nadat die vloei tot 'n drup verminder het. Spoel die leë houer dan drie maal uit met 'n volume water gelyk aan minstens 10 % van die volume van die houer. Gooi hierdie spoelwater by die inhoud van die spuitpenk.
- Vernietig die uitgespoelde leë houer deur gate daarin te maak en dit plat te slaan.
- Moet nooit die leë houer vir enige ander doeleindes gebruik nie.

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**SIMPTOME VAN MENSLIKE VERGIFTIGING:**

Bytende effek op weefsel, brandpyn in mond, keel, bors en buik, intense naarheid, braking en diarree. Bloed mag in braaksel en ontlasting voorkom. Onrustigheid, rusteloosheid, disoriëntasie en psigotiese gedrag is al waargeneem as vroeë tekens van **FARMAG DIQUAT 200 SL** vergiftiging.

**EERSTEHULP:**

Verwyder die pasiënt van die bron van vergiftiging na 'n goed geventileerde plek. Stel die pasiënt gerus en kalmeer hom/haar. Verwyder besmette klere en was besoedelde dele van die liggaam sagkens met nie-skurende seep en skoon koue water. Moenie die vel hard vryf nie.

Spoel besoedelde oë met skoon, lopende water vir minstens 15 minute lank. Hou die ooglid oop terwyl die oog uitgespoel word totdat daar geen teken van die chemikalieë meer sigbaar is nie.

Indien die produk ingesluk is, moet braking onmiddellik teweeg gebring word, indien dit nie alreeds plaasgevind het nie en neem die pasiënt onmiddellik na die naaste hospitaal. Moet nooit iets per mond aan 'n bewustelose persoon gee nie.

**Neem die pasiënt onmiddellik na die naaste geneesheer.**

**MEDIËSE BEHANDELING:**

Dien onmiddellik 1 liter watersuspensie van Fullers Earth (15 %) of Bentonite (7 %) tesame met 'n purgeermiddel, bv Mannitor (20 % oplossing) of magnesium sulfaat (200 ml). Herhaal prosedure na 4 tot 6 ure totdat die stoelgang absorberend voorkom. Indien nodig moet bykomende suurstof toegedien word. Met bloedoortapping of bloeddialise mag geen anti-stolmiddels gebruik word nie. Die mees algemene behandeling vir nierversaking is buikvliesdialise. Gee spesifiek aandag aan die balans tussen die onderhoud van vloeistof en elektroliete.

**WEERSTANDSWAARSKUWING:**

Vir doeleindes van weerstandbestuur is **FARMAG DIQUAT 200 SL** 'n groepkode D onkruidodder. Enige onkruidbevolking kan sommige onkruidbevolking bevat wat natuurlik weerstand bied teen **FARMAG DIQUAT 200 SL** en ander groepkode D onkruidodders, aangesien hulle deur normale genetiese verskeidenheid in enige onkruidbevolking mag voorkom. Die weerstandige individue kan uiteindelik die onkruidbevolking domineer, indien hierdie onkruidodders herhaaldelik en ekslusief in hierdie program gebruik word. Hierdie weerstandbiedende onkruidbevolking sal waarskynlik nie deur **FARMAG DIQUAT 200 SL** of enige ander groepkode D onkruidodder beheer word nie.

Ten einde weerstand teen onkruidodders te vertraag:

- Verminder die uitsluitlike en herhaaldelike gebruik van onkruidodders wat aan dieselfde groepkode behoort.
- Wissel af met, of gebruik tenkengsels met middels van verskillende onkruidoddergroepkodes.
- Integreer chemiese middels en verbouingspraktyke in onkruidbeheerprogramme.

Daar is gevalle bekend waar die onkruid weerstandig is teen paraquat en glifosaat toekennings. In sulke gevalle, mag die onkruidbevolking ook weerstandig wees teen **FARMAG DIQUAT 200 SL**.

Vir meer inligting oor weerstandsbestuur, kontak u naaste verspreider.

**GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.**

**LUGTOEDIENING: (Slegs drywende waterplante en sonneblomme)**

**FARMAG DIQUAT 200 SL** mag slegs deur 'n geregisteerde lugbespuitingsoperateur met 'n korrek gekalibreerde, geregisteerde vliegtuig volgens die instruksies van die Suid Afrikaanse Buro vir Standaard 10118: (The Aerial Application of Agricultural Remedies) uit die lug bespuit word. Vlieghoogte, druk die grootte van die spuitstuk asook die posisie daarvan op die vliegtuig, moet sodanig wees om die spuitbesoedeling te beperk. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies van spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is dus belangrik om aan die volgende vereistes te voldoen:

**a) Toediening Parameters:**

- **Volume:** 'n spuitmengsel volume van 30 tot 40 l/ha word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effek indien hierdie produk teen 'n laer volume as hierbo aanbeveel, toegedien word nie.
- **Druppelbedekking:** 30 tot 45 druppels per cm<sup>3</sup> moet op die teikenarea herwin word.
- **Druppelgrootte:** 'n Druppelspektrum met 'n VMD van 350 tot 400 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- **Vlieghoogte:** handhaaf die hoogte van die spuitbalk 3 tot 4 meter bo die teiken. Moenie spuit wanneer die vliegtuig duik, klim of draai nie.

**b) Toerusting:**

- Gebruik geskikte **atomiseringsapparaat** wat die vereiste druppelgrootte en bedekking sal produseer en die minste verlies van die produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binneste 60 tot 75 % van die vlerkspan om te verhoed dat druppels binne-in die **vlerkpuntvorteks** beweeg.

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- Die verskil in **temperatuur** tussen die nat- en droëboltermometer van 'n swaaihgrometer moet nie 8 °C oorskry nie.
- Stop bespuiting indien die **windspoed** 15 km/h oorskry.
- Stop bespuiting tydens **turbulente**, onstabile en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur **inversie toestande** (deur bo of binne die inversie laag te spuit) en/of **hoë lugvogtoestande** (relatiewe humiditeit 80 % en hoër) kan tot die volgende probleme aanleiding gee:
  - verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
  - skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na 'n nie-teiken area.
- Vermoë spuitstofwegdrywing na aangrensende gewasse of nie-teiken areas aangesien groen plantweefsel deur die spuitstof beskuldig sal word.

**KONVENISIONELE TOEDIENING:**

Meng die aanbevole hoeveelheid **FARMAG DIQUAT 200 SL** met skoon water in die spuittenk. Verseker goeie onkruidbedekking. VERMY SPUITBESOEDELING. Moenie enige botsels of groen dele van die gewas spuit nie. **FARMAG DIQUAT 200 SL** maak die weefsel dood maar doen geen skade aan volwasse plante nie.

**NOTA:** Herhaalde toediening van **FARMAG DIQUAT 200 SL** mag dalk nodig wees om die diepgewortelde onkruid te onderdruk soos:

*Convolvulus arvensis* (akkerwinde)

*Malva parviflora* (kiesie blaar)

*Plantago lanceolata* (small weëblaar) en

*Rumex angiocarpus* (steenboksuring).

**BEHEER VAN WATERONKRUIDE IN DAMME:**

**FARMAG DIQUAT 200 SL** kan gebruik word vir die beheer van wateronkruid in visdamme teen die dosisse soos hieronder aangedui. Raadpleeg u **FARMAG DIQUAT 200 SL** verspreider voordat visdamme behandel word.

ONKRUID	DOSIS	OPMERKINGS
<b>DRYWEENDE WATERONKRUIDE</b> Salvinia en waterhiasint	7,5 – 10 ℓ <b>FARMAG DIQUAT 200 SL</b> tesame met 'n geregistreerde bymiddel in 200 ℓ water/ha	<b>Lugtoediening:</b> Dien toe in 35 – 40 ℓ water/ha.
<b>Onderwateronkruid:</b> <i>Potamogeton</i> spp. <i>Lagarosiphon</i> spp.	<b>Totale dam behandeling:</b> 50 ℓ <b>FARMAG DIQUAT 200 SL</b> /ha damoppervlakarea (diepte van dam 1 m). Verduin <b>FARMAG DIQUAT 200 SL</b> met 'n gelyke hoeveelheid skoon water voor toediening.	Dien toe in invloeiende water d.m.v. 'n binnearese drupapparaat teen 1 druppel per sekonde. Herhaal die toediening wanneer nodig.
	<b>Kolbehandeling:</b> 0,5 ℓ <b>FARMAG DIQUAT 200 SL</b> /100 m <sup>2</sup>	Dien toe met 'n rugsakspuit teen 'n dosis van 20 ℓ spuitmengsel/100 m <sup>2</sup> onkruidoppervlakte. Moenie meer as 25 % van die totale damoppervlakte binne twee weke periode behandel nie. Herhaal die toediening wanneer benodig.

**NOTAS - WAARSKUWING:**

- Moenie **FARMAG DIQUAT 200 SL** gebruik as toestande gunstig is vir die ontwikkeling van hoë algbevolkings nie. Hoë vlakke van voedingstowwe, kunsmatige voer, lae watervlakke, hoë temperature en onnatuurlike hoë vispopulasies (soos visse in hokke) is toestande wat kan bydra tot hoë algbevolkings. Afsterwing van die alge sal tot 'n vermindering van suurstofvlakke in die water lei met moontlike vissterftes.
- **FARMAG DIQUAT 200 SL** behoort net toegedien word in damme met skoon water. Die produk moet nie toegedien word in damme met kleideeltjies in suspensie of waar die plante in die dam bedek is met kleideeltjies of gronddeeltjies nie.
- Dien **FARMAG DIQUAT 200 SL** toe met toerusting wat growwe druppels sal lever.
- Waar die diepte van die water minder as 1 m is moet 'n laagdrugsakspuit gebruik word omdat modderige turbulensie vanaf die bodem die produk kan de-aktiveer.

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**ONKRUIDBEHEER IN GEWASSE:**

GEWAS	DOSIS	OPMERKINGS
Sagtevrugte en wingerde	1,5 – 5 ℓ FARMAG DIQUAT 200 SL/ha in 200 – 750 ℓ water	Vir die beheer van eenjarige grasse en breëblare, veral soetgousblom ( <i>Arctotheca calendula</i> ). Dosis/ha sal afhang van die stand, groeistadium en groeikrag van die onkruid. Gebruik die hoë volume en dosis vir digte onkruidbestandheid. Dien toe in wingerd as 'n algehele toediening voor bot, daarna as 'n gerigte bespuiting.

**NOTAS:**

- Waar beide eenjarige grasse en soetgousblom in wingerde en sagtevrugteboorde voorkom kan **FARMAG DIQUAT 200 SL** en HARPOON 200SL (L8967) of GAP PARAQUAT 200 SL (L9059) in gelyke dele gemeng word.
- Voeg 'n geregistreerde bymiddel by vir die **FARMAG DIQUAT 200 SL** en vir die HARPOON 200S (GAP PARAQUAT 200 SL) / **FARMAG DIQUAT 200 SL** mengsel.

**OESHULPMIDDEL IN SONNEBLOMME EN AARTAPPELS:**

GEWAS	DOSIS	OPMERKINGS
<b>SONNEBLOMME</b> Vir uitdroging van sonneblom vir vroeë oes	1,5 ℓ FARMAG DIQUAT 200 SL/ha	<b>Lugtoediening:</b> Dien toe in 35 – 40 ℓ water/ha wanneer die vog van die sonneblom tussen 30 – 40 % is of wanneer die periferiekskutblare van die sonneblomkoppe bruin is en bros begin raak. Voeg 'n geregistreerde bymiddel by. <b>NB: MOENIE NA DIE EINDE VAN FEBRUARIE TOEDIEN NIE.</b>
<b>AARTAPPELS</b> Doodsput van plante vir vroeë oes	2,5 – 5,0 ℓ <b>FARMAG DIQUAT 200 SL/ ha</b>	Dien toe in 500 – 1 000 ℓ water /ha. Voeg 'n geregistreerde bymiddel by. Moenie toedien indien die plante tekens van verwelking toon nie, aangesien die moere beskadig kan raak. Moenie onder bewolkte toestande toedien nie.

**NOTA:** vermy wegdrywing van spuitnewel na aangrensende gewasse aangesien groen plantweefsel daardeur beskadig sal word.

**ONKRUIDE BEHEER DEUR FARMAG DIQUAT 200 SL:****Alle breëblaaronkruid sal beheer word insluitend:**

*Arctotheca calendula* – soetgousblom  
*Erodium moschatum* – turknael

**FARMAG DIQUAT 200 SL** sal nie meerjarige onkruid, houtagtige struik of plante met groot vegetiewe voortplantingsorgane soos fluitjiesriet beheer nie.

**FARMAG DIQUAT 200 SL**, HARPOON 200SL (L8967) en GAP PARAQUAT 200 SL (L9059) is die geregistreerde handelsmerke van FarmAg International (Edms) Bpk. Alle regte voorbehou. Enige ongeoorloofde reproduksies is verbode.

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# FARMAG DIQUAT 200 SL

Reg No/Nr: L 9625: Act/Wet 36 of/van 1947

A soluble concentrate contact herbicide for the control of annual broadleaf weeds and grasses in deciduous fruit orchards, vineyards and the pre-harvest desiccation of sunflower and potatoes and the control of floating aquatic weeds in dams.

'n Oplosbare konsentraat van onkruidodder vir die na-opkomsbeheer van eenjarige grasse en breëblaaronkruid in sagtevrugteboorde en wingerde, en die voor-oes uitdroging van sonneblomme en aartappels, (doodspuit van aartappelplante) asook die beheer van drywende wateronkruid in damme.

<b>HRAC: HERBICIDE GROUP CODE</b>	<b>D</b>	<b>HRAC: ONKRUIDODDERGROEPEKODE</b>
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### ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

Diquat (bipyridylum) .....	200 g/l .....	Dikwatioon (bipiridilium)
(as dibromide salt) .....	373,5 g/l .....	(as dibromiedsout)

**Manufacture Date:**  
Vervaardigingsdatum

**Batch No.:**  
Lotnommer

**NETT CONTENTS/ NETTO INHOUD**

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

**Registration holder/Registrasiehouer:**

**CEDAR FALLS PROPERTIES (Pty) Ltd**

Co. Reg. No./Mpy. Reg. No. 2006/031383/07

P.O. Box/Posbus 1523, Durban, 4000. Tel (031) 538 8700

UN No.: 3016

**HARMFUL SKADELIK**

155 x 140

**CYAN MAG YEL BLK**