

SERVIAN®

Reg. Nr.: L5617 Wet No. 36 van 1947

Namibia: N-AR 0880

A water dispersible granular herbicide in a water-soluble sachet for selective post-emergence control of nutsedge in lawns (kikuyu (*Pennisetum clandestinum*) and Cape Royal (*Cynodon dactylon*)).

HRAC HERBICIDE GROUP: B(2)

ACTIVE INGREDIENT:

Halisulfuron (sulfonylurea) 750 g/kg

REGISTRASIEHOLDER:

Syngenta South Africa (Pty) Ltd
(Co. Reg. No. 1998/013761/07)
Private Bag X60
Halfway House, 1685, RSA
Tel. (011) 541 4000

DISTRIBUTOR:

PROTEK, a division of PE-BEE Agri (PTY) LTD
Co. Reg. No.: 2005/036308/07
P.O. Box 72, Heidelberg, 1438
Tel: (011) 812 9800 or 0861 PROTEK (0861 77 68 35)
www.proteksa.co.za

EMERGENCY NUMBER: 082 446 8946



WARNINGS:

- Handle with care.
- Poisonous if swallowed.
- Store in a cool place.
- Store away from sun and damp, in original tightly closed containers in a well-ventilated place.
- Store away from food and feed, under lock and key.
- Keep out of reach of children, uninformed persons and animals.
- Avoid storage above 35 °C.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not guarantee that it will be effective under all conditions. The activity and effect 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 weed against the remedy, 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 by 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 inhale the spray mist.
- Avoid skin and eye contact.
- Wash contaminated clothing after use.
- Wash with soap and water after use.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator thoroughly after use and ensure that all traces of **SERVIAN®** are removed. (Read sprayer cleanup).
- Prevent contamination of food, feed, drinking water and eating utensils.
- Destroy empty container and do not use it for any other purpose.

USE RESTRICTIONS:

- Do not apply **SERVIAN®** to lawns, which are stressed by severe weather conditions, drought, water logging, disease or insect damage.
- Do not apply **SERVIAN®** to crops or ornamentals not listed on this label as severe damage may be suffered.
- The efficacy of **SERVIAN®** may be influenced by the quality of application water. If the sum total of calcium and magnesium in the water exceeds 150 ppm, ammonium sulphate must be added at 500 g/100 l water.

DIRECTIONS FOR USE Use only as directed

GENERAL INFORMATION:

- **SERVIAN®** rapidly inhibits growth of susceptible weeds. However, visible symptoms of dying weeds may not be noticeable for 1 to 3 weeks after application depending on growing conditions and weed susceptibility.
- Rainfall within 6 hours after a **SERVIAN®** application may reduce weed control.
- If **SERVIAN®** applications are followed by a dry period and then a wet period later in the season, regrowth of nut sedge may occur.

COMPATIBILITY:

The compatibility of **SERVIAN®** with other products may be influenced by the formulation of the products involved as well as the quality of the water. Since the formulation of other products may change without the knowledge of Syngenta and the quality of water may vary from farm to farm, a physical compatibility test should always be carried out prior to application.

Do not apply **SERVIAN®** in combination with MCPA or Turfweeder.

SERVIAN® should not be applied in mixtures with other herbicides, fungicides, insecticides,

MIXING INSTRUCTIONS:

SERVIAN® is water dispersible granular formulation, which mixes easily with water, provided the following mixing procedures are observed:

- Quarter to half fill the spray tank with water.
- Start the agitation.
- Add the appropriate amount of a surfactant.
- Add the water-soluble sachet to the tank
- Continue agitation while topping up the tank with water and while spraying.
- Use **SERVIAN®** spray preparations within 24 hours as the effectiveness may be reduced due to product degradation. Thoroughly re-agitate before re-using.

APPLICATION RATES:

Ground Application:

SERVIAN® can be applied with any medium or high volume sprayer equipped with an efficient agitation mechanism and which is capable of adequate coverage and even distribution. Best results are obtained using flat fan-type spray nozzles.

TABLE 1: Application rate of **SERVIAN®**

| Crop and weed target | Application rates 1 g product/200 m ² lawn (always add an adjuvant as registered to the SERVIAN® spray mixture) |
|--|---|
| <i>Cyperus spp.</i> in kikuyu lawns Cynodon lawns | 1 g SERVIAN® + 50 ml Complement (L4853) or 2 ml Complement Super (L8169)/10 – 20 l water. Do not open sachet. It is water-soluble and will dissolve in the water. |

- Ass 50 ml COMPLEMENT (L4853) or 2 ml COMPLEMENT SUPER (L8169) to the spray mixture.
- Two applications of **SERVIAN®** may be necessary to control late germinating nutsedge.
- For best results apply **SERVIAN®** on actively growing nut sedge under moist conditions. (After most of the nut sedges have germinated but before flowering.) New germination of nut sedge may occur if application was done too early. Inferior results will also be obtained with later applications when the nut sedge is in flower.
- Time of application is determined by the development stage of the nutsedges.
- Weeds that are overshadowed by other weeds or the crop may not be controlled due to insufficient coverage. This must be considered in the timing of application.
- The degree and duration of control will depend on weed size, growing conditions at and following the period of application, soil pH (H₂O) and rainfall.
- **Follow-up treatments may be necessary for the control of nut sedges in lawns.**

SPRAYER CLEANUP

To avoid injury to other crops, immediately after spraying thoroughly remove all traces of **SERVIAN®** from the mixing and spray equipment as follows:

- Drain spray system completely. While agitating, thoroughly rinse spray tank with clean water and spray out the rinsate through the nozzles. Drain system again.
- Refill spray tank with clean water to approximately 15 – 20 % of the tank volume, thoroughly rinsing all inside tank surfaces.
- Add 1 l sodium hypochlorite (5,2 %) per 200 l water while agitating. Rinse nozzles with rinsate for approximately 1 minute. Let remaining rinsate circulate in the spraying system for a minimum of 5 – 10 minutes.
- Completely spray out rinsate through the nozzles and dispose of it in accordance with local regulations.
- To remove traces of the tank cleaner, flush the tank thoroughly with clean water, rinsing all inside tank surfaces. Spray out the remaining rinsate through the nozzles and drain system.

PRODUCTS AND CONTAINER DISPOSAL:

- Dispose of surplus product in an incinerator or on a landfill site approved for pesticides.
- Do not bury in, or spray onto, any area under agricultural use.
- Dispose of containers made of plastic, cardboard or paper on a landfill site approved for pesticides or burn in a safe place where there is no risk of contamination by smoke and fumes.

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'n Waterdispergeerbare korrelonkruidodder in 'n wateroplosbare sakkie vir die selektiewe na-opkom beheer van uintjies in grasperke (kikoejoe (*Pennisetum clandestinum*) en Cape Royal (*Cynodon dactylon*)).

HRAC ONKRUIDDODERGROEP: B(2)

AKTIEWE BESTANDDEEL:

Halisulfuron (sulfonielureum) 750 g/kg

REGISTRASIEHOUER:

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NOOD NOMMER: 082 446 8946



WAARSKUWINGS:

- Hanteer versigtig.
- Giftig indien ingesluk.
- Berg in 'n koel plek.
- Berg weg van sonlig en vogtigheid, in oorspronklike houers dig toegemaak, in 'n goed geventileerde gebied.
- Berg weg van voedsel en voer, agter slot en grendel.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Vermoed berig bo 35 °C.
- **Herbetreding:** Moet nie behandelde gebiede btree alvorens die spuitneerslag droog is nie tensy beskermde oorklere gedra word.

Hoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word 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 verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van versuim van die gebruiker om etiketaanwysings 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:

- Moet nie die spuitnevel inasem nie.
- Vermoed vel- en oogkontak.
- Was besoedelde klere na gebruik.
- Was met seep en water na gebruik.
- Moet nie eet, drink of rook tydens vermenging of toediening van die produk of voordat die hande en gesig gewas is nie.
- Vermoed spuitnevel op ander gewasse, weiveld, riviere, damme en plekke wat nie behandel moet word nie.
- Maak toedieningsapparaat skoon na gebruik en maak seker dat alle spore van **SERVIAN®** verwyder is (Raadpleeg skoonmaak van spuit).
- Voorkom die besoedeling van voedsel, voer, drinkwater en eetgerei.
- Vernietig leë houers en moet dit nie vir enige ander doel gebruik nie.

GEBRUIKSBEPERKINGS:

- Moet nie **SERVIAN®** op grasperke toedien wat onder stremming verkeer as gevolg van strawwe weerstoestande, droogte, versuiping, siekte of insekbeskadiging nie.
- Moenie **SERVIAN®** toedien op gewasse wat nie op die etiket gelys word nie aangesien ernstige gewasskade aangerig kan word.
- Die effektiwiteit van **SERVIAN®** kan beïnvloed word deur die kwaliteit van die toedieningswater. Ammoniumsulfaat, soos Velocity-Glifo (L7768) moet teen 1 l/100 l water bygevoeg word, indien in harde water ($Ca^{2+} + Mg^{2+} > 150$ dpm) toegedien word.

GEBRUIKSAANWYSINGS Gebruik slegs soos aangedui

Algemene inligting:

- Die groei van gevoelige onkruidde word vinnig deur **SERVIAN®** gehinbeer. Die terugsterfsimptome mag egter nie waarneembaar wees, voor 1 tot 3 weke na toediening afhangende van die groei-toestande en onkruidsensitiwiteit.
- Reën binne 6 uur na 'n toediening van **SERVIAN®** mag beheer nadelig beïnvloed.
- Indien **SERVIAN®** toedienings gevolg word deur 'n droë periode en dan weer 'n nat periode later in die seisoen, mag hergroei van die uintjies plaasvind.

VERENIGBAARHEID:

Die verenigbaarheid van **SERVIAN®** met ander produkte kan beïnvloed word deur die formulering van die betrokke produkte asook deur die kwaliteit van die water. Aangesien die formulering van produkte kan verander sonder die medewete van Syngenta en die kwaliteit van die water ook van plaas tot plaas kan varieër, moet 'n fisiese verenigbaarheidstoets altyd uitgevoer word voordat gespuit word.

Moet nie **SERVIAN®** saam met MCPA of Turfweeder toedien nie.

Moet nie **SERVIAN®** in mengsels saam met ander onkruidodders, swamdoders, insekdoders, kunsmis of ander chemikalieë toedien wat nie op hierdie etiket aanbeveel word nie.

MENGINSTRUKSIES:

SERVIAN® is 'n waterdispergeerbare korrelonkruidodder wat maklik met water meng indien die volgende menginstruksies nagekom word:

- Vul die spuitenk kwart- tot halfvol met water.
- Voeg die benodigde hoeveelheid ammoniumsulfaat by (indien nodig).
- Begin die roering.
- Voeg die benodigde hoeveelheid benattingsmiddel by.
- Voeg die verlangde hoeveelheid **SERVIAN®** direk by in die spuitenk sonder om dit vooraf te verroom.
- Hou aan met roer terwyl die tenk vol water gemaak en terwyl gespuit word.
- Gebruik **SERVIAN®** spuitmengsels binne 24 uur aangesien die effektiwiteit mag verminderd vanweë produkafbreking. Roer deeglik voor hergebruik.

TOEDIENINGSHOEVEELHEDE:

Grondtoediening:

SERVIAN® kan toegedien word met enige medium- of hoëvolume spuittoerusting wat met 'n doeltreffende roermeganisme toegerus is en wat goeie bedekking en eweredige verspreiding verseker. Die beste resultate word verkry deur van platwaaierpunte gebruik te maak.

TABEL 1: Toedieningshoeveelheid van **SERVIAN®**

| Gewas en onkruid teiken | Toedieningshoeveelheid 1 g produk/200 m ² gras ('n benattingsmiddel soos geregistreer moet en alle tye by SERVIAN® spuitmiddel gevoeg word) |
|--|--|
| <i>Cyperus</i> spp. grasperke. (kikuyu en <i>Cynodon</i>), | 1 g SERVIAN® + 50 ml Complement (L4853) of 2 ml Complement Super (L8169)/10 – 20 l water. Moenie sakkie oopmaak nie, dis oplosbaar in water. |

- Voeg 50 ml COMPLEMENT (L4853) of 2 ml COMPLEMENT SUPER (L8169) by spuitmengsel.
- Twee toedienings van **SERVIAN®** mag nodig wees om laatontkiemende uintjies te beheer.
- Om die beste resultate te verkry, moet **SERVIAN®** toegedien word op aktiefgroeiende uintjies onder vogtige toestande nadat die meeste uintjies ontkiem het, maar voordat hulle begin blom. Indien vroeër toegedien, mag daar nog uintjies ontkiem na toediening. Latere toedienings wanneer die uintjies blom, sal ook swakker resultate tot gevolg hê.
- Tyd van toediening word hoofsaaklik deur die ontwikkelings stadium van die uintjies bepaal.
- Onkruidde wat oorskadu word deur ander onkruidde of die gewas sal a.g.v. onvoldoende bedekking nie beheer word nie. Dit moet in gedagte gehou word met die tyd van toediening.
- Die graad en die duur van beheer sal afhang van die onkruidgrootte, groei-toestande gedurende en na die toediening, grond pH (H₂O) en reënval.
- **Opvolgbespuitings mag nodig wees vir die beheer van uintjies in grasperke.**

SKOONMAAK VAN SPIJT:

Om skade aan ander gewasse te voorkom, moet alle spore van **SERVIAN®** dadelik na toediening deeglik uit die meng- en spuittoerusting verwyder word deur as volg te werk te gaan:

- Dreineer die sisteem geheel-en-al. Spoel tenk deeglik met skoon water terwyl geroer word en spuit die spoelwater deur spuitpunte uit. Dreineer die sisteem weer.
- Hervul die spuitenk met skoon water tot ongeveer 15 – 20 % van die tenkvolume en spoel binne-oppervlak van die tenk deeglik.
- Voeg 1 l natriumhipochloriet (5,2 %) per 200 l water by terwyl geroer word. Spuit spoelwater deur spuitpunte vir ongeveer 1 minuut. Laat die oorblywende spoelwater vir 'n minimum van 5 – 10 minute in die spuitsisteem sirkuleer.
- Spuit alle spoelwater uit deur die spuitpunte en verwyder dit in ooreenstemming met plaaslike regulasies.
- Om alle spore van bleikmiddel te verwyder, omspoel die tenk deeglik met skoon water en spuit spoelwater uit deur spuitpunte. Dreineer die sisteem.

PRODUK- EN HOUEVERNIETIGING:

- Vernietiging van oortollige produk moet geskied deur 'n verbrandingsoond of 'n afvalhoop wat vir chemikalieë goedgekeur is.
- Moet dit nie begrawe of op enige gebied wat onder landboukundige gebruik is, spuit nie.
- Vernietiging van plastiek-, karton- en papierhouers moet plaasvind op 'n afvalhoop wat vir plaagbeheermiddels goedgekeur is of verbrand word op 'n veilige plek waar daar geen risiko is vir besoedeling deur rook en walms nie.