



SCORPION 700 SC

Reg. No. L7414 Act No. 36 of 1947

A suspension concentrate herbicide for pre-emergence control of annual broadleaf weeds and grasses as indicated in maize.

'n Suspensiekonsentraat onkruidodder vir vooropkom beheer van eenjarige breëblaaronkruiden en grasse soos aangedui in mielies.

HRAC HERBICIDE GROUP CODE:	B	HRAC ONKRUIDDODER GROEP KODE:
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ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

Atrazine (triazine).....	225 g/l.....	Atrasien (triasien)
Terbutylazine (triazine).....	225 g/l.....	Terbutilasien (triasien)
Acetochlor (acetanilide).....	250 g/l.....	Asetochloor (asetanilied)
Dichlormid..(antidode).....	30.7 g/l.....	Dichlormied (beveiliger)

Manufacture date:
 Vervaardigingsdatum:

Batch No.:
 Lotnommer:

CONTENTS/INHOUD

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

REGISTRATION HOLDER/ REGISTRASIEHOUER

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UN No. 2998



HARMFUL
SKADELIK

WARNINGS

- Poisonous when swallowed.
- Store in a cool dry place away from food, feeds, seed, fertilizer and other agricultural chemicals.
- Toxic to fish and aquatic animals.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry interval:** do not enter treated field within 1 day after application unless wearing protective clothing.
- **In case of poisoning call a doctor and show him/her this label.**
- **Aerial application:** notify all inhabitants in the immediate vicinity of the area to be sprayed and issue necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

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 weed to 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 or registration holder in the event of any uncertainty.

PRECAUTIONS

- Do not inhale spray mist.
- Wash with soap and water after accidental skin contact.
- Do not eat, drink or smoke whilst applying or mixing the product or before washing hands and face and changing clothes.
- Avoid drift onto other edible crops, grazing, rivers or areas not under treatment.
- Clean applicator thoroughly before re-using with other pesticides – dispose of wash water where it will not contaminate crops, grazing or water.
- Wear rubber gloves and face shield when handling the concentrate.
- Wash contaminated clothing after use.
- Do not mix and load within at least 15 m from bore holes, streams, rivers and dams.
- Do not apply within at least 15 m from bore holes, streams and rivers.
- Do not apply within at least 60 m from dams.
- Ensure that no back-siphoning to boreholes or dams takes place when product is applied through an irrigation system.
- Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to at least one tenth of that of the container and add the rinsing to the contents of the spray tank before disposing of the container.
- Destroy empty container by perforation and flattening and do not re-use for any purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING

No signs and symptoms are known or expected in humans.

FIRST AID TREATMENT

Inhalation: remove patient from exposure, keep warm and at rest. Obtain medical attention.

Skin contact: wash skin immediately with cold water, followed by soap and water.

Eye contact: immediately irrigate with eye wash solution or clean water for at least 15 minutes. Obtain medical attention. **Ingestion:** do not induce vomiting. Give 30 g of activated charcoal in 100 ml water. Put patient in half upright position and give plenty of water. Get medical advice.

NOTE TO PHYSICIAN

No antidote is known. Give symptomatic and supportive treatment.

RESISTANCE WARNING

For resistance management, **SCORPION 700 SC** is a group code C1 + K3 herbicide. Any weed population may contain individuals naturally resistant to **SCORPION 700 SC** and other group code C1 + K3 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **SCORPION 700 SC** or any other group code C1 + K3 herbicide.

To delay weed resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank-mix with products from different herbicide group codes.
- Integrate the control methods (chemical, cultural, biological) into weed control programmes. For specific information on resistance management contact the registration holder of this product.

USE RESTRICTIONS

- To avoid damage to follow-up crops the following waiting periods must be adhered to:
 - a) Maize and sugarcane.....nil
 - b) Grain sorghum.....12 months
 - c) Sunflowers, groundnuts, soybeans, potatoes, dry beans, forage sorghum and small grains.....18 months
 - d) All other crops (a test planting is recommended).....24 months

NB: The abovementioned waiting periods are valid only if the correct **SCORPION 700 SC** dosage rate according to soil type was applied and normal or above average rainfall occurred after **SCORPION 700 SC** application.

- When applied to soils which expand on wetting and crack or crumble on drying out, such as turf soils, triazines in this herbicide may remain active in the soil for much longer than the abovementioned waiting periods. Therefore **SCORPION 700 SC** should not be used on such soils if sensitive crops might be planted in the foreseeable future. On such soils poor weed control may also be

experienced, when applied pre-emergence.

- Do not apply to inbred parent plants of maize hybrids or experimental or newly released maize cultivars without first consulting the seed supplier.
- **SCORPION 700 SC, ALACHLOR EC, FARMAG ACETOCHLOR 900 EC or FARMAG METOLACHLOR 915 S EC** should not be added as a tank mix on poorly drained soils.
- Flood irrigation can reduce weed control performance.
- Optimum weed control is obtained on a fine, even seedbed, free of clods, trash and weeds. However, weeds can be controlled in minimum or reduced tillage systems but trash may interfere with the herbicide and reduce performance.

DIRECTIONS FOR USE: Use only as directed.

Compatibility

SCORPION 700 SC is compatible with **FARMAG ACETOCHLOR S 700** as recommended on this label. The compatibility with other products may be influenced by the formulation of the products involved as well as the quality of the dilution water. A physical compatibility test should always be carried out prior to application.

Mixing instructions

When mixing **SCORPION 700 SC** with other herbicides, read the labels and adhere to the manufacturer's recommendations.

- Shake vigorously before use. Replace cap after pouring.
- Half-fill the spray tank with clean water and add the required quantity of **SCORPION 700 SC** through a 50 mesh sieve whilst stirring. Top up the spray-tank with water to the final volume required.
- When **FARMAG ACETOCHLOR S 700** is added as a tank mix, it should be added last, just prior to the final volume being obtained.
- Ensure thorough agitation during the filling and spraying operations.
- After each day's spraying thoroughly flush and clean the spray equipment with clean water.

Pre-emergence application

- Apply at or immediately after planting. Prepare a fine, even and thoroughly cultivated weed free firm seedbed, immediately prior to planting (see **USE RESTRICTIONS**). Rainfall shortly after application is necessary to activate the herbicide. Thus, if after application dry conditions prevail for a period of 7–14 days, weeds may emerge and develop. In such cases a shallow cultivation (2–5 cm) e.g. with a rotary cultivator, must be carried out to destroy these weeds.
- For optimum results seedbed preparation, planting, **SCORPION 700 SC** application and 10–15 mm rain should take place within 3 days.

Ground application

SCORPION 700 SC may 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 nozzles and applying a spray volume of 150–250 l water/ha.

Aerial application

Aerial application of **SCORPION 700 SC** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of South African National Standard 10118: 2009 (The Aerial Application of Pesticides). 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:

- Volume: a spray mixture volume of 30–50 l/ha is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 20–30 droplets/cm² must be recovered at the target area.
- Droplet size: a droplet spectrum with a VMD of 350–400 micron is recommended. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- Flying height: maintain the height of the spray boom at 3–4 m above the target. Do not spray when aircraft dives, is in a climb or when banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60–75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
 - a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - b) damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the aerial spray operator knows exactly which fields to spray.
- Obtain an assurance from the aerial spray operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

Band application

All dosage rates recommended below are for overall application. In the case of band application calculate the appropriate quantities to be used according to the band and row widths.

Dosage rates

Where a range of rates for **FARMAG ACETOCHLOR S 700** is given, use the higher rate for:

- a) improved control of *Cyperus esculentus* (yellow nutsedge)
- b) improved control of certain grasses especially *Digitaria sanguinalis* (crab finger-grass)
- c) soils containing more than 1 % organic material.

Whenever **FARMAG ACETOCHLOR S 700**, **ALACHLOR EC** or **FARMAG METOLACHLOR 915** are recommended in a programme with **SCORPION 700 SC** the precautions and recommendations as given on those respective labels also apply.

MAIZE

Pre-emergence

Apply within 3 days of seedbed preparation and planting for the control of certain annual grasses, such as *Eleusine coracana* (goose grass), *Chloris virgata* (feathertop Chloris) and *Setaria pallide-fusca* (red bristle grass) and broadleaf weeds. These rates will not control *Cyperus esculentus* (yellow nutsedge).

CLAY(%)	CIPLATRIAZINE PLUS (ℓ/ha)
0–10	1,8–2,25
11–15	2,25–2,75
16–20	2,75–3,5
21–30	3,5–4,25
31–40	4,25–5,0
41 +	Not recommended

Use the lower rate on lighter soils. Use the higher application rate for the control of *Datura ferox* (large thorn apple), *Datura stramonium* (common thorn apple), *Digitaria sanguinalis* (crab finger grass), *Tagetes minuta* (tall khaki weed) and light infestations of *Cyperus esculentus* (yellow nutsedge).

Pre-emergence tank mix

For the improved control of *Urochloa panicoides* (herringbone grass), *Digitaria sanguinalis* (crab finger-grass), *Panicum schinzii* (sweet buffalo grass) and *Cyperus esculentus* (yellow nutsedge) **SCORPION 700 SC** can be tank mixed with **CIPLACHLOR S 700**. Apply within 3 days of seedbed preparation and planting.

CLAY(%)	SCORPION 700 SC (ℓ/ha)	ACETOCHLOR S 700 (ℓ/ha)
0–10	2,25	0,96
11–15	2,75	0,96
16–20	3,5	0,96
21–30	4,25	0,96
31–40	5,0	0,96
40 +	Not recommended	Not recommended

WEEDS CONTROLLED

Grasses (pre-emergence)

<i>Brachiaria eruciformis</i>	Sweet signal grass
<i>Chloris virgata</i>	Feathertop Chloris
<i>Digitaria sanguinalis</i>	Crab finger-grass
<i>Eleusine coracana</i>	Goose grass
<i>Panicum maximum</i>	Common buffalo grass
<i>Setaria pallide-fusca</i>	Redbristle grass
<i>Urochloa panicoides</i>	Herringbone grass

The following grasses are controlled where additional grass herbicide is added as recommended on this label:

<i>Setaria verticillata</i>	Sticky bristle grass
<i>Tragus berteronianus</i>	Small carrotseed grass
<i>Tragus racemosus</i>	Large carrotseed grass

<i>Urochloa mosambicensis</i>	Bushveld herringbone grass
<i>Urochloa brachyura</i>	Garden grass
<i>Fimbristylis</i> spp.	Slender biesie

Broadleaf weeds

<i>Acanthospermum australe</i>	Eight seeded prostrate starbur
<i>Acanthospermum glabratum</i>	Five seeded prostrate starbur
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus deflexus</i>	Perennial pigweed
<i>Amaranthus hybridus</i>	Common pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Bidens bipinnata</i>	Spanish black jack
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Cleome monophylla</i>	Spindlepod
<i>Cleome rubella</i>	Pretty lady
<i>Crotalaria sphaerocarpa</i>	Mealie Crotalaria
<i>Galinsoga parviflora</i>	Gallant soldier
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Hibiscus trionum</i>	Bladderweed
<i>Nicandra physaloides</i>	Apple-of-Peru
<i>Physalis angulata</i>	Wild gooseberry
<i>Portulaca oleracea</i>	Purslane
<i>Richardia brasiliensis</i>	Tropical Richardia
<i>Schkuria pinnata</i>	Dwarf marigold
<i>Sonchus oleraceus</i>	Sowthistle
<i>Tagetes minuta</i>	Khaki weed

Since **SCORPION 700 SC** controls annual grasses and broadleaf weeds, other annual grasses and broadleaf weeds that are not listed may be controlled to a greater or lesser degree. The registration holder does not accept liability in respect of the control of unlisted weeds.

Variable weed control (use the higher rate in the given range)

<i>Cosmos bipinnatus</i>	Cosmos
<i>Commelina benghalensis</i>	Bengal wandering Jew
<i>Cyperus esculentus</i>	Yellow nutsedge
<i>Datura Ferox</i>	Large thorn apple
<i>Datura stramonium</i>	Thorn apple
<i>Hibiscus cannabinus</i>	Kenaf

WAARSKUWINGS

- Giftig indien ingesluk.
- Stoor in 'n koel plek weg van voedsel, voer, saad, kunsmis en ander landbouchemikalieë.
- Giftig vir visse en waterdiere.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Herbetredingsinterval:** moet nie behandelde gebied binne 1 dag na behandeling binnegaan nie tensy beskermende klere gedra word.
- **In geval van vergiftiging ontbied 'n geneesheer en toon hierdie etiket aan hom/haar.**
- **Lugtoediening:** stel al die inwoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie oor water of aangrensende gebiede spuit of die spuitstof toelaat om dit te besoedel nie.

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-, 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 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, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die 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 of registrasiehouer in die geval van enige onsekerheid.

VOORSORGMATREËLS

- Moet nie spuitmis of spuitnewel inasem nie.
- Was met seep en water na toevallige velkontak.
- Moet nie eet, drink of rook tydens vermenging en toediening of voordat hande en gesig gewas en skoon klere aangetrek is nie.
- Voorkom oorwaai na ander eetbare gewasse, weiding, riviere of areas wat nie onder behandeling is nie.
- Maak toediener deeglik skoon voor hergebruik met ander middels – raak ontslae van waswater waar dit nie gewasse, weiding of water sal besoedel nie.
- Dra rubberhandskoene en 'n gesigskerm wanneer die konsentraat hanteer word.
- Na toediening moet besoedelde klere gewas word.
- Moet nie meng en laai nader as ten minste 15 m vanaf boorgate, strome, riviere en damme nie.
- Moet nie nader as ten minste 15 m vanaf boorgate, strome en riviere toedien nie.
- Moet nie nader as 60 m van damme toedien nie.
- Verseker dat geen terugsyfering na boorgate of damme plaasvind wanneer die produk deur 'n besproeiingstelsel toegedien word nie.
- Keer die leë houer om oor die spuit- of mengtenk en dreineer vir minstens 30 sekondes nadat die vloeï tot 'n gedrup verander het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die inhoud van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat van die houer ontslae geraak word.
- Vernietig leë houer deur gate daarin te slaan en dit plat te slaan en moet dit vir geen ander doel hergebruik

nie.

- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

SIMPTOME VAN MENSLIKE VERGIFTIGING

Geen tekens en simptome is bekend of word verwag by mense nie.

NOODHULPBEHANDELING

Inaseming: verwyder persoon van blootstelling, hou hom warm en rustig. Kry mediese hulp.

Velkontak: was vel dadelik met koue water gevolg deur seep en water.

Oogkontak: spoel oë dadelik uit met 'n oogspoeloplossing of skoon water vir ten minste 15 minute. Kry mediese hulp.

Inname: moet nie braking veroorsaak nie. Gee 30 g geaktiveerde houtskool in 100 ml water. Plaas die persoon in 'n half regop posisie en gee baie water. Kry mediese hulp.

NOTA AAN GENEESHEER

Geen teenmiddel is bekend nie. Behandel simptome en ondersteunend.

WEERSTANDSWAARSKUWING

SCORPION 700 SC is 'n groepkode C1 + K3 onkruiddoder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen **SCORPION 700 SC** of enige ander groepkode C1 + K3 onkruiddoders het. Indien hierdie onkruiddoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur **SCORPION 700 SC** of enige ander groepkode C1 + K3 onkruiddoder beheer word nie.

Om weerstand teen onkruiddoders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van onkruiddoders met dieselfde groepkode. Wissel af met, of gebruik tenkengsels van produkte in verskillende onkruiddoder-groepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in onkruiddoderprogramme.

Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

GEBRUIKSBEPERKINGS

- Om skade aan opvolggewasse te voorkom moet die volgende wagperiodes in nagekom word:
 - a) Mielies en suikerriet.....geen
 - b) Graansorghum.....12 maande
 - c) Sonneblom, grondbone, sojabone, aartappels, droëbone, voersorghum en kleingraan.....18 maande
 - d) d) Alle ander gewasse.....24 maande ('n toetsplanting word aanbeveel)

L.W: Bogenoemde wagperiodes geld slegs indien die aanbevole hoeveelheid **SCORPION 700 SC** toegedien is, gevolg deur normale of bogemiddelde reënval gedurende die seisoen waarin **SCORPION 700 SC** toegedien is.

- Waar **SCORPION 700 SC** toegedien word op gronde wat uitsit by natwording en kraak of krummel by uitdroging, soos bv. turfgronde, mag die triasien bestanddeel veel langer aktief bly in die grond as wat deur bostaande wagperiodes aangedui word. Gevolglik moet **SCORPION 700 SC** nie op sulke gronde gebruik word indien gevoelige gewasse in die voorsienbare toekoms daarop geplant gaan word nie. Op sulke gronde, mag vooropkomsbehandeling ook swak onkruidbeheer tot gevolg hê.
- Moet nie toedien op ingeteelde ouerplante van mieliebasters of proef- of nuut vrygestelde mieliekultivars sonder om eers die verteenwoordiger of saadverskaffer te raadpleeg nie.
- Moet nie **SCORPION 700 SC**, **ALACHLOR EC**, **FARMAG ACETOCHLOR 900 EC** of **FARMAG METOLACHLOR 915 S EC** as 'n tenkmengsel byvoeg op swak gedreineerde gronde nie.
- Vloedbesproeiing kan verswakte onkruidbeheer tot gevolg hê.
- Optimum onkruidbeheer word op 'n fyn gelyke saadbed vry van kluite, plantreste en onkruid verkry. By deklaag of minimum bewerkingstelsels kan goeie onkruidbeheer verkry word, maar plantreste mag die onkruid doder se verspreiding affekteer met 'n vermindering in onkruidbeheer.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

Verenigbaarheid

SCORPION 700 SC is verenigbaar met **FARMAG ACETOCHLOR S 700** soos op hierdie etiket aanbeveel. Die verenigbaarheid met ander produkte mag beïnvloed word deur die formulering, sowel as die waterkwaliteit. Voor toediening moet 'n fisiese verenigbaarheidstoets uitgevoer word.

Menginstruksies

Wanneer ander middels saam met **SCORPION 700 SC** gemeng word, lees die etiket en volg die vervaardiger se aanbevelings.

- Skud houër deeglik voor gebruik. Maak toe na gebruik.
- Maak die spuittenk halfvol met skoon water, voeg die benodigde hoeveelheid **SCORPION 700 SC** deur 'n 50 maas sif by terwyl gedurig geroer word. Maak die spuittenk vol tot by die finale volume.
- Wanneer **FARMAG ACETOCHLOR S 700** as 'n tenkmengsel bygevoeg word, moet dit laaste bygevoeg word, voeg die bykomende middel by na die en net voor die verlangde volume bereik word.
- Verseker dat gedurende meng en bespuiting die spuitstof gedurig geroer word.
- Spuittoerusting moet deeglik uitgespoel en skoongemaak word met skoon water na elke dag se bespuiting.

Vooropkomstoediening

- Dien gedurende of net na plant toe op 'n fyn, egalige en ferm saadbed wat vooraf bewerk was om 'n onkruidvrye saadbed te verseker (Sien **GEBRUIKSBEPERKINGS**). Reënval net na toediening is nodig om die onkruid doder te aktiveer. Indien droë toestande vir 7–14 dae na toediening heers, mag onkruid ontwikkel en hulle moet met 'n vlak bewerking (2–5 cm) vernietig word, bv. met 'n roltandeg.
- Optimum onkruidbeheer word verkry wanneer saadbedvoorbereiding, plant en **SCORPION 700 SC** toediening, gevolg deur 10–15 mm reën, binne 3 dae plaasvind.

Grondtoediening

SCORPION 700 SC kan toegedien word met enige medium- of hoëvolume spuittoerusting wat met 'n

doeltreffende roermeganisme toegerus is en wat goeie bedekking en eweredige verspreiding verseker. Beste resultate word verkry deur van platwaaiertipe spuitpunte gebruik te maak met 'n spuitvolume van 150–250 l/ha.

Lugtoediening:

SCORPION 700 SC kan slegs deur 'n geregistreerde lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van South African National Standard 10118: 2009 (The Aerial Application of Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- Volume: 'n spuitmengsel volume van 30–50 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 effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- Druppelbedekking: 20–30 druppels/cm² moet op die teikenarea herwin word.
- Druppelgrootte: 'n druppelspektrum met 'n VMD van 350–400 mikron word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikron (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- Vlieghoogte: handhaaf die hoogte van die spuitbalk bo die teiken op 3–4 m. Moet nie spuit wanneer die vliegtuig duik, uitklim of draai nie.
- Gebruik geskikte atomiseringsapparaat wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binneste 60–75 % van die vlerkspan om te verhoed dat druppels binne-in die vlerkpuntvorteks beweeg.
- Die verskil in temperatuur tussen die nat- en droëboltermometer van 'n swaaihigrometer, moet nie 8 °C oorskry nie.
- Staak bespuiting indien die windspoed 15 km/uur oorskry.
- Staak bespuiting tydens turbulente, onstabiele 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 lugvog toestande (relatiewe humiditeit 80 % en meer) mag tot volgende probleme aanleiding gee:
 - a) verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
 - b) skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

Rytoediening

Die toedieningsdosisse hieronder aanbeveel is vir 'n algehele toediening. Rybehandeling dosisse moet dienooreenkomstig aangepas word volgens strook en rywydtes.

Toedieningsdosisse

Waar 'n dosis keuse vir **FARMAG ACETOCHLOR S 700** gegee word, gebruik die hoër aanbeveling vir:

- a) verbeterde *Cyperus esculentus* (geeluintjie) beheer.
- b) verbeterde beheer van sekere grasse, veral *Digitaria sanguinalis* (kruisvingergras).
- c) gronde wat meer as 1 % organiese material bevat.

Waar toediening van **FARMAG ACETOCHLOR S 700**, **ALACHLOR EC** or **FARMAG METOLACHLOR 915** in 'n program met **SCORPION 700 SC** aanbeveel word, moet alle voorsorgmaatreëls en aanbevelings van hierdie produkte ook nagekom word.

MIELIES

Vooropkoms

Dien binne 3 dae van saadbedvoorbereiding en plant toe. Vir die beheer van sekere eenjarige grasse, soos *Eleusine coracana* (jongosgras), *Chloris virgata* (witpluimchloris) en *Setaria pallide-fusca* (rooiborselgras) en breëblaaronkruid. Hierdie dosisse sal nie *Cyperus esculentus* (geeluintjie) beheer nie.

KLEI (%)	SCORPION 700 SC S (l/ha)
0-10	1,8-2,25
11-15	2,25-2,75
16-20	2,75-3,5
21-30	3,5-4,25
31-40	4,25-5,0
40 +	Nie aanbeveel

Gebruik die laer dosisse op ligte grond. Gebruik die hoër aanbevelings dosis vir die beheer van *Datura ferox* (grootstinkblaar), *Datura stramonium* (gewone stinkblaar), *Digitaria sanguinalis* (kruisvingergras), *Tagetes minuta* (langkakiebos) en ligte besmettings van *Cyperus esculentus* (geeluintjie).

Vooropkomstenkmengsel

Vir die verbeterde beheer van *Urochloa panicoides* (beesgras), *Digitaria sanguinalis* (kruisvingergras), *Panicum schinzii* (soetbuffelsgras) en *Cyperus esculentus* (geeluintjie), kan **SCORPION 700 SC** in 'n tenkmengsel saam met **FARMAG ACETOCHLOR S 700** toegedien word. Dien binne 3 dae van saadbedvoorbereiding en plant toe.

KLEI (%)	SCORPION 700 SC (l/ha)	FARMAG ACETOCHLOR S 700 (l/ha)
0-10	2,25	0,96
11-15	2,75	0,96
16-20	3,5	0,96
21-30	4,25	0,96
31-40	5,0	0,96
40 +	Nie aanbeveel	Nie aanbeveel

ONKRUIDE BEHEER

Grasse (vooropkom)

Brachiaria eruciformis

Litjiesinjalgras

Chloris virgata

Witpluimchloris

<i>Digitaria sanguinalis</i>	Kruisvingergras
<i>Eleusine coracana</i>	Jongosgras
<i>Panicum maximum</i>	Gewone buffelsgras
<i>Setaria pallide-fusca</i>	Rooiborselsaadgras
<i>Urochloa panicoides</i>	Beesgras

Die volgende grasse sal beheer word waar bykomende grasdoder bygevoeg word, soos op hierdie etiket aanbeveel:

<i>Setaria verticillata</i>	Klitsborselgras
<i>Tragus berteronianus</i>	Kleinwortelsaadgras
<i>Tragus racemosus</i>	Grootwortelsaadgras

<i>Urochloa mosambicensis</i>	Bosveldbeesgras
<i>Urochloa brachyura</i>	Tuingras
<i>Fimbristylis spp.</i>	Biesie

Breëblaaronkruid

<i>Acanthospermum australe</i>	Agtsadige kruipsterklits
<i>Acanthospermum glabratum</i>	Vyfsadige kruipsterklits
<i>Acanthospermum hispidum</i>	Regopsterklits
<i>Amaranthus deflexus</i>	Meerjarige misbredie
<i>Amaranthus hybridus</i>	Kaapse misbredie
<i>Amaranthus spinosus</i>	Doringmisbredie
<i>Amaranthus thunbergii</i>	Roomisbredie
<i>Bidens bipinnata</i>	Spaanse knapsekêrel
<i>Chenopodium album</i>	Withondebossie
<i>Chenopodium carinatum</i>	Groenhondebossie
<i>Cleome monophylla</i>	Rusperbossie
<i>Cleome rubella</i>	Mooinoientjie
<i>Crotalaria sphaerocarpa</i>	Mielie Crotalaria
<i>Galinsoga parviflora</i>	Knopkruid
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Hibiscus trionum</i>	Terblansbossie
<i>Nicandra physaloides</i>	Basterappelliefie
<i>Physalis angulata</i>	Wildeappelliefie
<i>Portulaca oleracea</i>	Porslein
<i>Richardia brasiliensis</i>	Tropiese Richardia
<i>Schkurgia pinnata</i>	Kleinkakiebos
<i>Sonchus oleraceus</i>	Sydissel
<i>Tagetes minuta</i>	Kakiebos

Aangesien **SCORPION 700 SC** eenjarige grasse en breëblaaronkruid beheer, kan ander eenjarige grasse en breëblaaronkruid wat nie gelys is nie, ook tot 'n mindere of meerdere mate beheer word. Die registrasiehouer aanvaar egter geen aanspreeklikheid t.o.v. ongelyste onkruid nie.

Wisselvallige onkruidbeheer (gebruik die hoër dosis aanbeveling)

Cosmos bipinnatus
Commelina benghalensis
Cyperus esculentus
Datura ferox
Datura stramonium
Hibiscus cannabinus

Kosmos
Bengaalse wandelende Jood
Geeluintjie
Grootstinkblaar
Stinkblaar
Wildestokroos

