



SHARDA ACETOCHLOR 900 EC

Reg. No. L9660, Act No. 36 of 1947 | Reg. Nr. L9660, Wet Nr. 36 van 1947

An emulsifiable concentrate herbicide for the pre-emerge control of weeds in cotton, groundnuts, maize, sugarcane and *Eucalyptus* and pine timber plantations and early post-emergence control of weeds in plant and ratoon sugarcane.

Herbicide Group - "K3"

ACTIVE INGREDIENT:

Acetochlor (chloroacetanilide) 900 g/l

Registered by | Geregistreer deur:

Sharda International Africa (PTY) LTD

Reg. No./Reg. Nr. 2010/002268/07

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UN No./VN Nr. 3082

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'n Emulgeerbare konsentraat vir die vooropkomsbeheer van onkruid in katoen, grondbone, mielies, suikerriet en *Eucalyptus*- en denneplantasies en vir vroeë naopkoms onkruidbeheer in plant- en ratoensuikerriet.

Onkruiddodergroep - "K3"

AKTIEWE BESTANDDEEL:

Asetochlor (chloorasetanilied) 900 g/l

BATCH NO. LOT NR.	
EXPIRY DATE VERVAL DATUM	

NET CONTENTS /
NETTO INHOUD

5 l



CAUTION
VERSIGTIG



WARNINGS

- Poisonous when swallowed.
- May cause eye irritation.
- Toxic to fish.
- Keep out of reach of children, uninformed persons and animals.
- Store in the original container under lock and key in a cool dry place, away from food, feedstuffs, fertilizers and seed.
- **Re-entry:** Do not enter the treated field until the spray deposit has dried unless wearing protective clothing.
- **Aerial application:** Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings.

Although this herbicide 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 effected 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 concerned as well as by the method, time and accuracy of the 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 that could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.

PRECAUTIONS

- Do not breathe fumes or spray mist.
- Wear rubber gloves when handling the concentrate.
- After use and in case of accidental skin contact, wash thoroughly with soap and water.
- In the case of accidental eye contact, rinse the eyes with clean water for at least 15 minutes. Get medical attention if necessary.
- Do not eat, drink or smoke whilst mixing or applying or before washing hands and face and change of clothing after use.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Rinse the 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 before destroying the container in the prescribed manner. Destroy the empty container by perforation and flattening and never use for any other purpose.
- Clean the spray equipment after use and dispose of wash water where it will not contaminate crops, grazing, dams or rivers.
- Low temperatures and/or heavy prolonged rains soon after planting may cause damage to the crop.

RESISTANCE WARNING:

For resistance management "Sharda Acetochlor 900 EC" is a group code K3 herbicide. Any weed population may contain individuals naturally resistant to "Sharda Acetochlor 900 EC" and other group code K3 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. "Sharda Acetochlor 900 EC" or any other group code K3 herbicide may not control these resistant weeds.

To delay herbicide 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 other control methods (chemical, cultural, biological) into weed control programmes.
- For specific information on resistance management contact the registration holder of this product.

DIRECTIONS FOR USE: Use only as directed

GENERAL INFORMATION

- "Sharda Acetochlor 900 EC" must not be applied to seed-maize or inbred parent plants or maize hybrids, or on any experimental or newly released cultivars without referring to the manufacturer and seed suppliers before application.
- Follow the instructions on the labels of herbicides mixed with "Sharda Acetochlor 900 EC". Before using "Sharda Acetochlor 900 EC" in combination with other herbicides, read the labels and follow the recommendations and restrictions.
- Where a dosage range is given, use the lower rate on light soils and the higher rate on heavy soils.
- Do not apply "Sharda Acetochlor 900 EC" to poorly drained soils as the herbicide may cause crop injury in combination with waterlogging.
- Do not apply "Sharda Acetochlor 900 EC" to sandy soils that are susceptible to wind erosion.
- Flood irrigation can reduce weed control performance.
- Optimum weed control can be obtained on a fine even seedbed, free of weeds, plant residues and clods. "Sharda Acetochlor 900 EC" will give weed control in stubble mulch or reduced tillage lands.

MIXING INSTRUCTIONS

- Shake the container before use.
- Agitate the spray mixture during mixing and spraying.
- Mixing sequence - Half fill the spray tank with clean water - Add the required quantity of complementary herbicide - Add the required quantity of "Sharda Acetochlor 900 EC" - Fill the spray tank to the required volume.
- Do not allow spray mixes to stand in the spray tank.

APPLICATION INFORMATION

Spray equipment must be accurately calibrated and checked regularly before and during the spraying operation. Pre-emergence treatments with "Sharda Acetochlor 900 EC" alone and in tank mixes must be applied in maize, groundnuts and sugarcane preferably with planting or immediately after planting. Pre-emergence treatment in maize must not be applied later than three days after planting and/or the last cultivation. Use 100l to 300l/ha spray volume for overall ground application. Spray volumes and dosage rates should be adjusted accordingly for on the row band treatments. 10-15mm rain or sprinkler irrigation within 7 to 10 days after application for good weed control is necessary. For optimum weed control seedbed preparation should take place within 3 days before planting. Planting is followed immediately with the "Sharda Acetochlor 900 EC" application and then 10-15mm rain or irrigation within 3 days to wash the herbicide into the zone of germinating weeds. If conditions are dry, weed seedlings may emerge. These can be controlled with either a shallow cultivation (2 – 4cm deep) or with a recommended post-emerge herbicide treatment. If soil crusting becomes a problem, use a rotary harrow in the same direction as the planted rows to assist maize emergence. After application, harrowing may reduce weed control if untreated soil is brought to the surface. Sufficient fertilizer must be placed near the seed when planting to promote vigorous seedling growth. This is very important with early planting when the soil temperature is relatively low and is accompanied by continuous moist conditions.

Aerial Application

Aerial application of "Sharda Acetochlor 900 EC" may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 10118 (Aerial Application of Agricultural 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 30l per hectare 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 to 30 droplets per cm² must be recovered on the target area.
- **Droplet size:** A droplet spectrum with a VMD of 350 to 400 microns is recommended. Limit the production of fine droplets of less than 150 microns (high drift and evaporation potential) to a minimum.
- **Flying height:** Maintain the height of the spray boom at 3 to 4 metres 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 to 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:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - 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.

"SHARDA ACETOCHLOR 900 EC" APPLICATION RATES

SOIL % CLAY	DOSAGE l/HA	REMARKS
GROUNDNUTS		
0-10%	0.75-1.5	<ul style="list-style-type: none"> • For pre-emergence weed control "Sharda Acetochlor 900 EC" must be applied after planting but before crop and weed emergence. • For the post-emergence control of "Sharda Acetochlor 900 EC" resistant weeds in groundnuts, use a registered herbicide as recommended. • Use the lower dosage rate for the control of the following annual grasses: <i>Chloris virgata</i> (Feathertop chloris), <i>Eleusine indica</i> (Goose grass), <i>Panicum schinzii</i> (Sweet Buffalo grass), and <i>Urochloa panicoides</i> (Herringbone grass). • Use the higher dosage rate for the control of <i>Digitaria sanguinalis</i> (Crab finger grass). • For early post-emergence grass weed control, "Sharda Acetochlor 900 EC" can be tank mixed with either "Sharda Fluzifop-p-butyl 125 EC" or "Sharda Fluzifop-p-butyl 150 EC" at the recommended dosage rates.
11-20%	1.0-2.0	
21-30%	1.5-3.0	
MAIZE - North West Province and the Northern and Western Free State		
0-10%	0.5-0.75	<ul style="list-style-type: none"> • For the control of annual grasses and certain broadleaf weeds in the North West Province and the Northern and Western Free State. • Apply pre-emergence "Sharda Acetochlor 900 EC" treatments within 3 days of planting and/or the last cultivation of the maize. • Use the lower dosage rate for the control of the following annual grasses: <i>Chloris virgata</i> (Feathertop chloris), <i>Eleusine indica</i> (Goose grass) and <i>Panicum schinzii</i> (Sweet Buffalo grass). • Use the higher dosage rate for the control of <i>Urochloa panicoides</i> (Herringbone grass). • These dosage rates will give variable control of <i>Digitaria sanguinalis</i> (Crab finger grass). • Early post-emergence control of weeds: The "Sharda Acetochlor 900 EC" treatment can be followed by Atrazine 500 SC or Atrazine 900 WG or Atrazine + Terbutylazine 600 SC alone or with 2,4-D Amine 480 SL or 2,4-D Amine 720 SL according to label recommendations.
11-30%	0.75-1.0	
MAIZE - Annual grass control and improved broadleaf weed control		
<ul style="list-style-type: none"> • Apply pre-emergence "Sharda Acetochlor 900 EC" treatments within 3 days of planting and/or the last cultivation of the maize. • "Sharda Acetochlor 900 EC" can be applied with Atrazine 500 SC or Atrazine + Terbutylazine 600 SC for improved broadleaf weed control. • Use the lower rates on light soils and where the weed pressure is low. 		
0 - 10%	0.5l	2.25l Atrazine 500 SC/ha or 2.0l Atrazine+Terbutylazine 600 SC.
11-20%	0.75-1.0l	2.25-2.75l Atrazine 500 SC/ha or 2.7l Atrazine+Terbutylazine 600 SC.
21-30%	1.0l	2.25-2.75l Atrazine 500 SC/ha or 3.3l Atrazine+Terbutylazine 600 SC.
> 30%	-	Not recommended.
MAIZE - Conservation Tillage		
Use "Sharda Glyphosate 360 SL" or "Sharda Glyphosate 500 WG" as a pre-plant treatment to control existing weeds. Apply "Sharda Acetochlor 900 EC" as a pre-emergence treatment within 3 days of planting as recommended above.		
SUGARCANE - Pre-emergence treatments.		
Use the dosage according to the soil clay content.		
0-35%	2.0-3.0l	Plant and ratoon sugarcane. Apply "Sharda Acetochlor 900 EC" in a tank mix with one of the following herbicides: - 2.0-3.0l "Sharda Ametryn 500 SC"/ha - 2.0-5.0l (0-35% clay) or 3.0-5.0l (>35% clay) Atrazine 500 SC/ha. - 2.0-4.0l "Sharda Diuron 800 SC"/ha. - 3.6-4.3l "Sharda Metribuzin 480 SC"/ha. Ratoon sugarcane only. Apply "Sharda Acetochlor 900 EC" in a tank mix with one of the following herbicides: - 1.0-3.0l "Sharda Hexazinone 240 SL"/ha - 0.3-1.0kg "Sharda Hexazinone 750 WG"/ha
> 35%	3.0l	
SUGARCANE - Post-emergence treatments.		
<ul style="list-style-type: none"> • Apply before tillering of grass weeds and before the 6-leaf stage of broadleaf weeds. • Certain post-emerge herbicides may cause temporary injury to sugarcane leaves. 		
All soils	2.0-3.0l	Plant and ratoon sugarcane. Apply "Sharda Acetochlor 900 EC" as a directed inter-row spray after the sugarcane has reached the 5-leaf stage with the following: - 2.0-5.0l "Sharda Ametryn 500 SC" + crop oil. Plant and ratoon sugarcane. Apply "Sharda Acetochlor 900 EC" as a directed inter-row spray at the 2-3 leaf stage of the sugarcane with one of the following: - 2.0-5.0l "Sharda Ametryn 500 SC" + 1.5l "Sharda Paraquat 200 SL"/ha - 3.0l "Sharda Diuron 800 SC"/ha. - 3.0l "Sharda Diuron 800 SC" + 1.5l "Sharda Paraquat 200 SL"/ha. - 3.6 l "Sharda Metribuzin 480 SC"/ha. Ratoon sugarcane only. Apply "Sharda Acetochlor 900 EC" as a directed inter-row spray at the 2-3 leaf stage of the sugarcane with one of the following: - 1.0-3.0l "Sharda Hexazinone 240 SL"/ha. - 2.4-2.8l "Sharda Hexazinone 750 WG"/ha.
For Yellow nutsedge (<i>Cyperus esculentus</i>) control in sugarcane: Pre-emerge: Use "Sharda Acetochlor 900 EC" in combination with "Sharda Ametryn 500 SC" or "Sharda Diuron 800 SC" or "Sharda Metribuzin 480 SC". Post-emerge: Use "Sharda Acetochlor 900 EC" + "Sharda Paraquat 200 SL" in combination with "Sharda Ametryn 500 SC" or "Sharda Diuron 800 SC".		
FORESTRY - Eucalyptus and Pine Plantations.		
0-10%	0.75-1.5l	Spray existing weeds with "Sharda Glyphosate 360 SL" or "Sharda Glyphosate 500 WG" as a pre-plant treatment. Follow this with a pre-emerge weed control treatment within 3 days after transplanting the young trees.
11-30%	1.0-3.0l	
COTTON - Post-emerge of the crop and pre-emergence of the weeds.		
0-10%	0.75-1.5l	Remove existing weeds and apply to a weed-free soil. Apply as a directed inter-row spray when the crop is between the 5 and 8 leaf stage.
11-30%	1.0-3.0l	

"Sharda Acetochlor 900 EC" controls the following weeds	
Sweet signal grass	<i>Bracharia eruciformis</i>
Feathertop Chloris	<i>Chloris virgata</i>
Crab finger grass	<i>Digitaria sanguinalis</i>
Goose grass	<i>Eleusine indica</i>
Common buffalo grass	<i>Panicum maximum</i>
Sweet buffalo grass	<i>Panicum schinzii</i>
Garden brittle grass	<i>Setaria pallide-fusca</i>
Sticky bristle grass	<i>Setaria verticillata</i>
Herringbone grass	<i>Urochloa panicoides</i>
Perennial pigweed	<i>Amaranthus deflexus</i>
Common pigweed	<i>Amaranthus hybridus</i>
Thorny pigweed	<i>Amaranthus spinosus</i>
Red pigweed	<i>Amaranthus thunbergii</i>
White goosefoot	<i>Chenopodium album</i>

Green goosefoot	<i>Chenopodium carinatum</i>
Bengal wandering Jew	<i>Commelina benghalensis</i>
Thorn apple *	<i>Datura species</i>
Bladder weed	<i>Hibiscus trionum</i>
Wild gooseberry	<i>Physalis angulata</i>
Purslane	<i>Portulaca oleracea</i>
Dwarf margold	<i>Schukhria pinnata</i>
Khaki weed *	<i>Tagetes minuta</i>
Yellow nutsedge (<i>Cyperus esculentus</i>): Control will be variable with "Sharda Acetochlor 900 EC". Use the higher rate.	
Since "Sharda Acetochlor 900 EC" controls annual grasses, other annual grasses 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. * Early germinating only.	

The following products are registered under Act No. 36 of 1947 by Sharda International Africa:
 "Sharda Glyphosate 360 SL", contains 360 g glyphosate per litre, Reg. No. L 8901.
 "Sharda Glyphosate 500 WG", contains 500 g glyphosate per kg, Reg. No. L 8902.
 "Sharda Metribuzin 480 SC", contains 480 g metribuzin per litre, Reg. No. L 9475.
 "Sharda Hexazinone 750 WG", contains 750 g hexazinone per kg, Reg. No. L 9487.

WAARSKUWINGS

- Giftig indien ingesluk word.
- Mag oog irritasie veroorsaak.
- Giftig vir visse.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Stoor in die oorspronklike houer agter slot en grendel in 'n koel droë plek, weg van voedsel, voer, kunsmis en saad.
- **Herbetreding:** Moet nie die behandelde area betree alvorens die spuitneerslag droog is nie, tensy beskermende klerasie gedra word.
- **Lugtoediening:** Stel al die bewoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit.

Alhoewel hierdie onkruidodder 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 bergingtoestande; 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 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 in geval van enige onsekerheid.

VOORSORGMATREËLS

- Vermyn inaseming van dampe en spuitmis.
- Dra rubberhandskoene met die hantering van die konsentraat.
- Na gebruik en in geval van toevallige velkontak, was deeglik met seep en water.
- In die geval van oog kontak, spoel die oë met baie water vir ten minste 15 minute uit. Kry mediese behandeling indien nodig.
- Moenie eet, drink of rook tydens vermenging of toediening of voordat hande en gesig gewas en ander klere na gebruik aangetrek is nie.
- Voorkom besoedeling van voedsel, voer, eetgerei en drinkwater.
- Voorkom die oorwaai van spuitmis na ander gewasse, weiding, riviere, damme of gebiede wat nie onder behandeling is nie.
- Spoel die lêe houer driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrywe wyse vernietig word. Vernietig die lêe houer deur daarin te maak en plat te slaan en moet vir geen ander doel gebruik nie.
- Maak die spuittoerusting deeglik skoon na gebruik. Raak ontslae van die uitspoelwater waar dit nie gewasse, weiding, damme of riviere sal besoedel nie.
- Lae temperatuur en/of swaar aanhoudende reën direk na plant kan onkruidodderskade van die gewas tot gevolg hê.

WEERSTANDSWAARSKUWING

"Sharda Acetochlor 900 EC" is 'n groepkode K3 onkruidodder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen "Sharda Acetochlor 900 EC", of enige ander groepkode K3 onkruidodder het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindek die onkruid populasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur "Sharda Acetochlor 900 EC" of enige ander groepkode K3 onkruidodder beheer word nie. Om weerstand teen onkruidodders te vertraag:

- Vermyn die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode. Wissel af met, of gebruik tenkingsels van produkte in verskillende onkruidoddergroepkodes.
- Integreer ander beheermaatreëls (chemie, verbouing, biologies) in onkruidodder programme.

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

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.**ALGEMENE INLIGTING**

- Moet nie "Sharda Acetochlor 900 EC" op saadmielies of ingeteelde oerplante of mieliebasters of op eksperimentele of nuut vrygestelde kultivars gebruik alvorens die vervaardiger en die saadverspreider geraadpleeg is nie.
- Volg die instruksies op die etiket van onkruidodders wat saam met "Sharda Acetochlor 900 EC" gebruik word. Voordat "Sharda Acetochlor 900 EC" saam met 'n ander onkruidodder gebruik word, lees die etikette en aanbevelings en die beperkings moet nagekom word.
- Waar 'n dosis reeks aangedui is, gebruik die laer dosis op ligte gronde en die hoër dosis op swaar gronde.
- Moet nie "Sharda Acetochlor 900 EC" op swak gedreineerde grond toedien nie aangesien die onkruidodder saam met versuip-toestande gewas skade tot gevolg kan hê.
- Moet nie "Sharda Acetochlor 900 EC" op waaisande toedien nie.
- Vloedbesproeiing mag lei tot verminderde onkruidbeheer.
- Optimale onkruidbeheer word verkry op 'n fyn gelyke saadbed wat vry van klute, plantreste en onkruid is. "Sharda Acetochlor 900 EC" sal onkruidbeheer op stoppelbewerking en verminderde bewerking landery gee.

MENGINSTRUKSIES

- Skud die houer deeglik voor gebruik.
- Roer die spuitmengsel gedurende meng en bespuiting
- Mengvolgorde - Maak die spuittenk halfvol met skoon water - Voeg die verlangde hoeveelheid onkruidodder wat in 'n tenkingsel gebruik word by - Voeg die verlangde hoeveelheid "Sharda Acetochlor 900 EC" by - Maak die spuittenk vol.
- Moet nie toelaat dat spuitmengsel in die spuittenk staan nie.

TOEDIENINGSINLIGTING

Spuittoerusting moet akkuraat gekalibreer word en gereeld nagegaan word voor en tydens toediening. Voorkom behandeling met "Sharda Acetochlor 900 EC" alleen en in tenkingsels moet verkieslik met plant of onmiddellik na plant by mielies, grondbone en suikerriet toegedien word. Die voorkom toediening by mielies moet nie later as drie dae na plant en/of die laaste grondbewerking plaasvind nie. Gebruik 100l tot 300l/ha spuitvolume vir algehele grondbewerking. Spuitvolumes en dosisse moet dienooreenkomstig vir strookbehandelings aangepas word. 10 – 15mm reën of sprinkelbesproeiing binne 7 tot 10 dae na toediening is nodig vir goeie onkruidbeheer. Vir optimale onkruidbeheer moet die saadbed binne 3 dae voor plant voorberei word. Na plant dien "Sharda Acetochlor 900 EC" onmiddellik toe of binne 3 dae na die laaste grondbewerking. 10-15mm reën of besproeiing is binne 3 dae na toediening nodig om die onkruidodder in die onkruidontkieming sone in te was. Onder droë toestande mag onkruid saailinge opkom. Hulle kan met of 'n vlak bewerking (2 – 4cm diep) of met 'n aanbevole naopkomsonkruidodder beheer word. Indien korsvorming 'n probleem word, gebruik 'n roltandeg in dieselfde rigting as die plantrye om die opkoms van die mielies te bevorder. Skoffelbewerking na toediening mag onkruidbeheer benadeel deur onbehandelde grond na die oppervlak te bring. Voldoende kunsmis moet met plant naby die saad geplaas word om kragtige groei te bevorder. Dit is baie belangrik met vroeë aanplantings onder koel grond temperatuur en aanhoudende nat toestande.

Lugtoediening

"Sharda Acetochlor 900 EC" kan slegs deur 'n geregistreerde Lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SABS Kode 10118 (Aerial Application of Agricultural 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 liter per ha word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelikheid gehou vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word.
- **Druppelbedekking:** 20 tot 30 druppels per cm² 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 bo die teiken op 3 tot 4 meter. 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 tot 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 swaaihgrometer, moet nie 8°C oorskry nie.
- Stop bespuiting indien die windspoed 15 km/uur oorskry.
- Stop 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:
 - 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 nie-teiken areas.
- 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.

"SHARDA ACETOCHLOR 900 EC" TOEDIENINGSHOEVEELHEDE

GROND % KLEI	DOSIS l/HA	OPMERKINGS
GRONDBONE		
0-10%	0.75-1.5	<ul style="list-style-type: none"> • Vir vooropkomonkruidbeheer dien "Sharda Acetochlor 900 EC" toe na plant maar voor die opkoms van die gewas en die ontkieming van die onkruid. • Vir die naopkombeheer van "Sharda Acetochlor 900 EC" bestande onkruid in grondbone, gebruik 'n geregistreerde onkruidodder soos aanbeveel. • Gebruik die laer dosis vir die beheer van slegs die volgende eenjarige grasse: <i>Chloris virgata</i> (Witpluimchloris), <i>Elyusine indica</i> (Jongosgras), <i>Panicum schinzii</i> (Soetbuffelsgras) en <i>Urochloa panicoides</i> (Beesgras). • Gebruik die hoër dosis vir die beheer van: <i>Digitaria sanguinalis</i> (Kruisvingergras).
11-20%	1.0-2.0	
21-30%	1.5-3.0	
<ul style="list-style-type: none"> • Vir vroeë naopkom grasonkruidbeheer kan "Sharda Acetochlor 900 EC" in 'n tenkingsel met of "Sharda Fluazifop-p-butyl 125 EC" of "Sharda Fluazifop-p-butyl 150 EC" teen aanbevole dosisse toegedien word. 		
MIELIES - Noordwes Provinsie en die Noord- en Wes-Vrystaat.		
0-10%	0.5-0.75	<ul style="list-style-type: none"> • Vir die beheer van eenjarige grasse en sekere breëblaaronkruid in Noordwes Provinsie en die Noord- en Wes-Vrystaat. • Dien toe as vooropkombehandeling binne 3 dae na plant en/of die laaste grondbewerking. • Gebruik die laer dosis vir die beheer van slegs die volgende eenjarige grasse: <i>Chloris virgata</i> (Witpluimchloris), <i>Elyusine indica</i> (Jongosgras) en <i>Panicum schinzii</i> (Soetbuffelsgras). • Gebruik die hoër dosis vir die beheer van <i>Urochloa panicoides</i> (Beesgras). • Die dosisse hierbo mag wisselende beheer van <i>Digitaria sanguinalis</i> (Kruisvingergras) gee. • Vir vroeë naopkoms onkruidbeheer: Die "Sharda Acetochlor 900 EC" bespuiting kan opgevolg word met of Atrazine 500 SC of Atrazine 900 WG of Atrazine + Terbutylazine 600 SC alleen of met 2,4-D Amine 480 SL of 2,4-D Amine 720 SL volgens etiket aanbevelings.
11-30%	0.75-1.0	
MIELIES – Eenjarige gras beheer en verbeterde breëblaaronkruid beheer.		
<ul style="list-style-type: none"> • Dien toe as vooropkombehandeling binne 3 dae na plant en/of die laaste grondbewerking toe. • "Sharda Acetochlor 900 EC" kan met of Atrazine 500 SC of Atrazine + Terbutylazine 600 SC vir verbeterde breëblaaronkruid beheer toegedien word. • Gebruik die laer dosisse op die ligte gronde en waar die onkruidruik laag is. 		
0 – 10%	0.5l	2.25l Atrazine 500 SC/ha of 2.0l Atrazine+Terbutylazine 600 SC.
11-20%	0.75-1.0l	2.25-2.75l Atrazine 500 SC/ha of 2.7l Atrazine+Terbutylazine 600 SC.
21-30%	1.0l	2.25-2.75l Atrazine 500 SC/ha of 3.3l Atrazine+Terbutylazine 600 SC.
> 30%	-	Nie aanbeveel nie.
MIELIES - Bewaringsbewerking		
Gebruik "Sharda Glyphosate 360 SL" of "Sharda Glyphosate 500 WG" voor plant om bestaande onkruid te beheer. Dien "Sharda Acetochlor 900 EC" as vooropkombehandeling binne 3 dae na plant toe teen bogenoemde aanbevelings.		
SUIKERRIET – Vooropkombehandeling.		
Gebruik die dosis volgens die grond klei inhoud.		
0-35%	2.0-3.0l	<ul style="list-style-type: none"> Plant- en opslagsuikerriet. Dien "Sharda Acetochlor 900 EC" in 'n tenkingsel met een van die volgende onkruidodders toe: <ul style="list-style-type: none"> - 2.0-3.0l "Sharda Ametryn 500 SC"/ha. - 2.0-5.0l (0-35% klei) of 3.0-5.0l (>35% klei) Atrazine 500 SC/ha. - 2.0-4.0l "Sharda Diuron 800 SC"/ha. - 3.6-4.3l "Sharda Metribuzin 480 SC"/ha.
> 35%	3.0l	
<ul style="list-style-type: none"> Slegs opslagsuikerriet. Dien "Sharda Acetochlor 900 EC" in 'n tenkingsel met een van die volgende onkruidodders toe: <ul style="list-style-type: none"> - 1.0-3.0l "Sharda Hexazinone 240 SL"/ha - 0.3-1.0kg "Sharda Hexazinone 750 WG"/ha 		
SUIKERRIET – Naopkomsbehandeling.		
<ul style="list-style-type: none"> • Dien toe voor die stoelgroei stadium van grasse en voor die 6-blaargroei stadium van breëblaaronkruid. • Sekere naopkomsonkruidodders mag tydelik skade aan suikerriet blare veroorsaak. 		
Alle grondtipes	2.0-3.0l	<ul style="list-style-type: none"> Plant- en opslagsuikerriet. Dien "Sharda Acetochlor 900 EC" met die volgende onkruidodder as 'n gerigte tussenny bespuiting toe nadat die suikerriet die 5-blaar groeistadium bereik het. <ul style="list-style-type: none"> - 2.0-5.0l "Sharda Ametryn 500 SC" + gewas olie. Plant- en opslagsuikerriet. Dien "Sharda Acetochlor 900 EC" met een van die volgende onkruidodders as 'n gerigte tussenny bespuiting toe nadat die suikerriet die 2-3-blaar groeistadium bereik het <ul style="list-style-type: none"> - 2.0-5.0l "Sharda Ametryn 500 SC" + 1.5l "Sharda Paraquat 200 SL"/ha - 3.0l "Sharda Diuron 800 SC"/ha. - 3.0l "Sharda Diuron 800 SC" + 1.5l "Sharda Paraquat 200 SL"/ha. - 3.6 l "Sharda Metribuzin 480 SC"/ha. Slegs opslagsuikerriet. Dien "Sharda Acetochlor 900 EC" met een van die volgende onkruidodders as 'n gerigte tussenny bespuiting toe nadat die suikerriet die 2-3-blaar groeistadium bereik het <ul style="list-style-type: none"> - 1.0-3.0l "Sharda Hexazinone 240 SL"/ha. - 2.4-2.8l "Sharda Hexazinone 750 WG"/ha.
<ul style="list-style-type: none"> Vir die beheer van Geelintjies (<i>Cyperus esculentus</i>) in suikerriet. Vooropkom: Gebruik "Sharda Acetochlor 900 EC" in kombinasie met "Sharda Ametryn 500 SC" of "Sharda Diuron 800 SC" of "Sharda Metribuzin 480 SC". Naopkom: Gebruik "Sharda Acetochlor 900 EC" + "Sharda Paraquat 200 SL" in kombinasie met "Sharda Ametryn 500 SC" of "Sharda Diuron 800 SC". 		
KATOEN – Naopkom van die gewas en vooropkom van die onkruid.		
0-10%	0.75-1.5l	Verwyder bestaande onkruid en dien toe op onkruidvrye grond.
11-30%	1.0-3.0l	
Dien toe as 'n gerigte tussenny bespuiting wanneer die gewas tussen die 5 en 8-blaar groeistadium is.		

"Sharda Acetochlor 900 EC" beheer die volgende onkruid	
Litjessinjalgras	<i>Bracharia eruciformis</i>
Witpluimchloris	<i>Chloris virgata</i>
Kruisvingergras	<i>Digitaria sanguinalis</i>
Jongosgras	<i>Elyusine indica</i>
Gewone buffelsgras	<i>Panicum maximum</i>
Soetbuffelsgras	<i>Panicum schinzii</i>
Rooiborselsaadgras	<i>Setaria pallide-fusca</i>
Kitsborselgras	<i>Setaria verticillata</i>
Beesgras	<i>Urochloa panicoides</i>
Meerjarige misbredie	<i>Amaranthus deflexus</i>
Gewone misbredie	<i>Amaranthus hybridus</i>
Doringmisbredie	<i>Amaranthus spinosus</i>
Roomisbredie	<i>Amaranthus thunbergii</i>
Withondbossie	<i>Chenopodium album</i>

Groenhondbossie	<i>Chenopodium carinatum</i>
Bengaalse wandelende jood	<i>Commelina benghalensis</i>
Stinkblaar *	<i>Datura species</i>
Terblansbossie	<i>Hibiscus trionum</i>
Wilde appellelie	<i>Physalis angulata</i>
Porselein	<i>Portulaca oleracea</i>
Kleinkakiebos	<i>Schukria pinnata</i>
Kakiebos *	<i>Taetes minuta</i>
Geelintjies (<i>Cyperus esculentus</i>):	Beheer met "Sharda Acetochlor 900 EC" sal wisselvallig wees. Gebruik die hoër dosis.
Aangesien "Sharda Acetochlor 900 EC" eenjarige grasse beheer, kan ander eenjarige grasse 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.	* Slegs vroeë ontkiemend.

Die volgende produkte is geregistreer in terme van Wet Nr. 36 van 1947 deur Sharda International Africa:

- "Sharda Glyphosate 360 SL", bevat 360 g glikosaat per liter, Reg. Nr. L 8901.
- "Sharda Glyphosate 500 WG", bevat 500 g glikosaat per kg, Reg. Nr. L 8902.
- "Sharda Metribuzin 480 SC", bevat 480 g metribuzin per liter, Reg. Nr. L9475.
- "Sharda Hexazinone 750 WG", bevat 750 g heksaninon per kg, Reg. Nr. L9487.