

WARNINGS

- Poisonous when swallowed.
- Store in a cool dry place away from food, feeds, seed and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.

Aerial application

Aerial application of **ATRANEX® 500 SC** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 0118 (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 30 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 per cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 350-400 microns is recommended. Limit the production of fine droplets less than 150 microns (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.

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 climatic and storage conditions, compatibility with other substances not indicated on the label and the occurrence of resistance of disease 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 to crops, vegetation, and the environment or harm to man or animal

or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

Precautions

- Avoid inhalation of spray and fumes.
- Wash with soap and water after use.
- Prevent spray drift onto other crops, grazing, rivers, dams or any area not under treatment.
- Prevent contamination of food, drinking water and eating utensils.
- Do not apply where the roots of desirable plants can absorb the chemical
- Do not mix and load at least 15 m from boreholes, streams, rivers or dams.
- Do not apply within at least 60 m from dams.
- Ensure that no back siphoning to boreholes take place when Atrazine is applied through the irrigation system.
- Thoroughly wash and rinse spray equipment after use and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.
- **IMPORTANT: Triple Rinse:** Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse 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 empty container by perforation and flattening and never use for any other purpose.

BROADLEAF WEED SPECIES NORMALLY CONTROLLED BY ATRANEX® 500 SC

Botanical Name	Common Name
<i>Acanthospermum australe</i>	Australian starbur
<i>Acanthospermum glabratum</i>	Prostrate starbur
<i>Acanthospermum hispidum</i>	Upright starbur
<i>Amaranthus hybridus</i> *	Cape pigweed
<i>Amaranthus spinosus</i>	Thorny pigweed
<i>Amaranthus thunbergii</i>	Red pigweed
<i>Bidens bipinnata</i>	Spanish blackjack
<i>Bidens Formosa</i>	Cosmos
<i>Bedens pilosa</i>	Common blackjack
<i>Chenopodium album</i>	White goosefoot
<i>Chenopodium carinatum</i>	Green goosefoot
<i>Cleome monophylla</i>	Single leaf cleome
<i>Cleome rubella</i>	Pretty Lady
<i>Commelina benghalensis</i>	Bengal commelina
<i>Crotalaria sphaerocarpa</i>	Crotalaria
<i>Datura ferox</i>	Common thorn apple
<i>Datura stramonium</i>	Large thorn apple
<i>Galinsoga par;viflora</i>	Small flowered quick weed
<i>Gisekia pharnaceodes</i>	Gisekia

BROADLEAF WEEDS continued

<i>Hibiscus trionum</i>	Bladder hibiscus
<i>Hibiscus cannabinus</i>	Wild stockrose
<i>Nicandra physaloides</i>	Apple of Peru
<i>Physalis angulata</i>	Wild Physalis
<i>Portulaca oleracea</i>	Common purslane
<i>Richardia brasiliensis</i>	Mexican richardia
<i>Schkuhria pinnata</i>	Dwarf marigold
<i>Tagetes minuta</i>	Tall khakiweed – limited late season control
<i>Vigna vexillata</i>	Wild sweetpea

GRASSES

Botanical Name	Common Name
<i>Eleusine indica</i>	Goosegrass
<i>Setaria pallide-fusca</i>	Garden bristle grass
<i>Chloris virgata</i>	Feather top chloris
<i>Panicum schinzii</i>	Vlei panicum
<i>Setaria verticillata</i>	Bur bristle grass

If dry conditions prevail for a period of seven to fourteen days after application the following weed species may not be adequately controlled, especially in heavy soils:

Bidens Formosa
Datura spp
Elusine indica
Commelina benghalensis
Panicum schinzii
Chloris virgata

Note: Resistant strains of this weed may possibly not be adequately controlled by **ATRANEX® BROADLEAF WEEDS 500 SC**.

ATRANEX® 500 SC provides variable control of the following weeds:

Tribulus terrestris Common dubbeltjie

Note: This product controls certain grasses and numerous annual broadleaf weeds. Other annual broadleaf weeds that were not present during the development trials with the product, may possibly also be controlled to a certain degree. The registration holder does not accept any responsibility for unlisted weeds. Under abnormally wet conditions the late season control of weeds may not be adequate. To control a broader spectrum of annual grasses, **ATRANEX® 500 SC** can be applied in a tank mixture or as a separate application in combination with one of the registered grass killers. **ATRANEX® 500 SC** is compatible in a spray mixture with all presently registered grass killers.

Consult the labels of the specific grass killers for application rates, as well as for the specific **ATRANEX® 500 SC** application rates to be used when mixtures are sprayed. The directions for use on labels concerned must be closely followed.

Note: Where **ATRANEX® 500 SC** is used in combination with EPTC in maize, at least two-thirds of the recommended rate of **ATRANEX® 500 SC** according to soil type should be used. **ATRANEX® 500 SC** is also compatible with registered wetting agents and BROMOXYNIL. When **ATRANEX® 500 SC** is mixed with any of the above products, all information on the label concerned must be carefully consulted and the instructions followed. **ATRANEX® 500 SC** can also be used in a tank mix with 2,4-D Amine (480 g/l) for the control of broadleaf weeds up to 100 mm in height, applied to maize and grain sorghum at any stage before flowering. For application rates and use restrictions consult the tables under “**APPLICATION RATES**”.

Use Restrictions

To avoid damage to follow on crops the following waiting periods should be taken into consideration after application of **ATRANEX® 500 SC**:

- a) **Maize and Sugarcane**.....none
- b) **Grain Sorghum**..... 12 months
- c) **Sunflower, Small grain, Dry beans, Groundnuts, Soya beans, Fodder sorghum and Potatoes**..... 18 months
- d) **All other crops (a test planting is never the less recommended)**.....24 months

Where the total rate of **ATRANEX® 500 SC** applied per season does not exceed 2,0 l (1 kg active) /ha, the waiting periods mentioned under b and c can be reduced to 9 months except in the case of sandy soils of North West province and North West Free State on soils containing 0-10 % clay.

NOTE

- The above mentioned waiting periods will only be valid if the correct quantity of **ATRANEX® 500 SC** has been applied according to the soil type and an average or rainfall has been experienced during and after the season in which the **ATRANEX® 500 SC** has been applied.
- If **ATRANEX® 500 SC** is applied to soils which expand on wetting and crack or crumble on drying out, such as turf soils, **ATRANEX® 500 SC** may remain active much longer in the soil than above mentioned waiting periods. Thus **ATRANEX® 500 SC** should not be applied to such soils if it is contemplated to plant Atrazine sensitive crops in the foreseeable future. On these soils weeds may also not be controlled satisfactory by a pre-emergence application of Atrazine.
- Do not apply **ATRANEX® 500 SC** to inbred parent lines of maize and grain sorghum cultivars as well as experimental or newly released cultivars without first consulting the manufacturer or seed supplier.

DIRECTIONS FOR USE:

Use only as directed.

Shake well before use. Replace cap after pouring. Half fill the spray tank with water. Add the required quantity of **ATRANEX® 500 SC**. Top up with water. Keep the chemical in continuous suspension by means of agitation. After each day's spraying, flush tank out thoroughly with water.

APPLICATION

Accurately calibrate spray equipment prior to application. Use fan type nozzles to ensure a uniform coverage.

Pre-emergence

To control the full **ATRANEX® 500 SC** weed spectrum, **ATRANEX® 500 SC** must be applied during or immediately after planting in freshly cultivated soil to thereby ensure a weed-free seedbed. The soil should have an even and firm surface, free of large clods. It is preferable that the rain should follow within 7-10 days after application in order to leach the **ATRANEX® 500 SC** into the top layer of the soil where it can be absorbed by roots of germinating weeds. If, after application, dry weather conditions should prevail for a period of 7-10 days, weeds may germinate and develop. If this happens, a cultivation with a rotary hoe should follow to control these weeds and to incorporate the herbicide into the top layer of the soil.

Post-emergence

When application is made post-emergence to the crop and weeds, broadleaf weeds should not be beyond the seedling stage (two leaf stage) and grasses should not have emerged. Use 200-400 ℓ water per hectare for overall application. Accordingly lesser volumes of water are to be used in the case of band treatment.

Aerial Application

ATRANEX® 500 SC may be applied by aerial application, provided the spray mixture is distributed evenly over the target area and the loss of spray mixture during application is limited to a minimum. To meet above, the following requirements must be adhered to:

- Use only a conventional boom fitted with flat fan nozzles e.g. SS6515 or equal.
- A minimum spray volume of 30 ℓ/ha.
- A minimum of 20–30 droplets per cm² must be recovered on the target area.
- Use a droplet spectrum with a VMD of 450 micron.
- Maintain a flying height of three meters above the target area at wind speeds of 0–8 km/h and two meters at 8–15 km/h.
- Stop spraying when the wind speed exceeds 15 km/h.
- The difference between the wet and dry bulb reading, as determined with a whirling hygrometer should not exceed 8 °C.
- Do not spray during the heat of the day.
- Ensure that the lands are properly marked.
- It is essential that assurance is obtained from the spray operator that the above mentioned requirements will be adhered to.

APPLICATION RATES

Maize (Pre-emergence and early post- emergence).

% CLAY	ATRANEX 500 SC (ℓ/ha)	REMARKS
0–0	2,50	These application rates are for overall application of the herbicide. According lesser amounts should be applied per ha of maize in the case of band treatment.
11–20	3,25	
21–30	4,00	
31–40	4,75	
41–55	5,00	

Grain sorghum

Note: Pre-emergence application is only recommended on soil which contains more than 35 % clay. Post-emergence application is recommended only on soils containing more than 25 % clay and if the sorghum has at least five leaves at the time of application.

Grain sorghum

% CLAY	ATRANEX 500 SC (ℓ/ha)	REMARKS
0–25	-	Not recommended.
26–30	4,00	Post-emergence only.
31–35	4,75	Post-emergence only.
36–40	4,75	Pre- and post-emergence.
41–55	5,00	Pre- and post-emerge Grasses already emerged at time of application will not be controlled.

Note: Do not apply to areas likely to become waterlogged. Do not apply to soils with high leaching potential and do not irrigate after application. Under cold and/or high rainfall conditions after application, **ATRANEX® 500 SC** may damage sorghum, irrespective of soil type. Do not exceed the recommended dosage rates.

Maize and Grain sorghum: Post-Emergent application of **ATRANEX® 500 SC** plus 2,4-D® AMINE

CROP/TARGET	% CLAY	ATRANEX® 500 SC (ℓ/ha)	REMARKS
Maize	All	2,0 + 0,75 ℓ 480 g/l Amine	Apply to actively growing broadleaf weeds which are not larger than 100 mm. When the crop exceeds 400 mm in height, a directed spray is recommended to ensure improved coverage of the weeds.
Grain Sorghum	More than 15	2,0 + 0,75 ℓ 480 g/l Amine	Do not apply under cold, or cold and wet conditions as the crop may possibly be affected detrimentally.

Maize and Grain sorghum: Stale seedbed/Minimum tillage or stubble Mulching

Where minimum tillage or stubble mulching is practiced, weeds may already have come up at time of planting. If maize or grain-sorghum are planted under such circumstances, or into an old seedbed, where grasses have already germinated or broadleaf weeds have develop past the four leaf stage, it is recommended that **PARAQUAT®** be added to the **ATRANEX® 500 SC** spray solution, at a dosage rate as recommended by the manufacturer. The **PARAQUAT®** will destroy the already existing weeds and create a clean pre-emergence condition that will allow **ATRANEX® 500 SC** to work effectively.

Note: Where **PARAQUAT®** is added, the application must take place before the crop comes up, because **PARAQUAT®** will damage the crop plant that may already have emerged. In case of minimum tillage or stubble mulching, the amount of stubble and humus at the soil surface may reduce the efficacy of **ATRANEX® 500 SC**. The representative of the manufacturer or distributor should therefore be consulted.

Sugarcane

For the control of broadleaf weeds on light to medium soils, apply **ATRANEX® 500 SC** as a pre-emergence overall spray immediately after planting and before weeds emerge. For best results apply shortly before irrigation or before rain is expected. For control of annual grasses a tank mixture of **ATRANEX® 500 SC** with a registered grass killer is recommended. Consult the label of the specific grass killer for application rates.

SOIL TYPE	% CLAY	ATRANEX 500 SC (ℓ/ha)
Light to medium	0-35	2,5 ℓ

Pineapples

% CLAY	ATRANEX 500 SC (ℓ/ha)	REMARKS
0–20	3,7 + 3,7 ℓ AMETREX® 500 SC	Early post emergence treatments recommended in situation where a mixed population of grasses and broadleaf weeds occur and where later germinating weeds are a problem.
21–35	5,2 + 5,2 ℓ AMETREX® 500 SC	
Above 35	Not recommended	

WAARSKUWINGS

- Giftig indien ingesluk.
- Bêre in 'n koel plek en weg van voedsel, voer, saad en ander landbouchemiese middels.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **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 aangrensende gebiede of water spuit of die spuitnewel 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 en dier of vir >n gebrek aan prestasie van die betrokke middel as gevolg van die versuim deur 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.

Voorsorgmaatreëls

- Voorkom inaseming van die dampe of spuitnewel.
- Was met seep en water na gebruik
- Voorkom oorwaai van spuitnewel na ander gewasse, weiding, riviere, damme of enige ander gebied wat nie onder behandeling is nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Moenie spuit waar wortels van gewenste plante die middel kan opneem nie.
- Geen vermenging of volmaak van spuittenk moet plaasvind nader as 15 m vanaf boorgate, spruite, riviere en damme nie.
- Geen toediening moet plaasvind nader as 15 m vanaf boorgate, spruite en riviere nie.
- Geen toediening moet plaasvind nader as 60 m vanaf damme nie. Geen terugvloei na boorgate of damme moet plaasvind wanneer **ATRANEX® 500 SC** deur die besproeiingsstelsel toegedien word nie.
- **BELANGRIK: UITSPOEL VAN HOUER - DRIEDUBBELE UITSPOELING**

Keer die leë houer om oor die spuit- of mengtenk en dreineer vir minstens 30 sekondes nadat die vloeitot 'n gedrup verander het. Spoel die houer daarna drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die houer. Voeg die spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrewe wyse vernietig word. Vernietig leë houer en met vir geen ander doel aanwend nie.

SOMMIGE ONKRUIDE WAT NORMAALWEG DEUR ATRANEX® 500 SC BEHEER WORD

BREËBLAAR ONKRUIDE

Botaniese Naam

Gewone Naam

Acanthospermum australe

Australiese sterklits

Acanthospermum glabratum

Kruipsterklits

Acanthospermum hispidum

Regopsterklits

Amaranthus hybridus *

Kaapse misbredie

BREËBLAAR ONKRUIDE vervolg

<i>Amaranthus spinosus</i>	Doring misbredie
<i>Amaranthus thunbergii</i>	Rooi misbredie
<i>Bidens bipinnata</i>	Spaanse knapsekêrel
<i>Bidens Formosa</i>	Kosmos
<i>Bidens pilosa</i>	Gewone knapesekêrel
<i>Chenopodium album</i>	Withondebossie
<i>Chenopodium carinatum</i>	Groen hondebosse
<i>Cleome monophylla</i>	Cleome
<i>Cleome rubella</i>	Mooinooientjie
<i>Commelina benghalensis</i>	Bengaalse commelina
<i>Crotalaria sphaerocarpa</i>	Wildelusern
<i>Datura ferox</i>	Groot stinkblaar
<i>Datura stramonium</i>	Gewone stinkblaar
<i>Galinsoga parviflora</i>	Knopkruid
<i>Gisekia pharnaceodes</i>	Gisekia
<i>Hibiscus trionum</i>	Terblansbossie
<i>Hibiscus cannabinus</i>	Wildestokroos
<i>Nicandra physaloides</i>	Basterappelliefie
<i>Physalis angulata</i>	Wilde appelliefie
<i>portulaca oleracea</i>	Gewone poslein
<i>Richardia brasiliensis</i>	Meksikaanse richardia
<i>Schkuhria pinnata</i>	Klein kakiebos
<i>Tagetes minuta</i>	Lang kakiebos (beperkte laatseisoen beheer)
<i>Vigna vexillata</i>	Wilde akkerboontjie

GRASSE

Botaniese Naam

<i>Eleusine indica</i>	Jongosgras
<i>Setaria pallide-fusca</i>	Tuinsetaria
<i>Chloris virgata</i>	Witpluim chloris
<i>Panicum schinzii</i>	Vleibuffelsgras
<i>Setaria verticillata</i>	Klitssetaria

Gewone Naam

Indien droë weertoestande voortduur vir 'n tydperk van sewe tot veertien dae na toediening, mag die volgende onkruidsoorte nie na wense beheer word nie, veral op swaarder grond:

Bidens Formosa

Datura spp

Elusine indica

Commelina benghalensis

Panicum schinzii

Chloris virgata

Nota: Weerstandbiedende rasse van hierdie onkruid mag dalk nie bevredigend deur **ATRANEX® 500 SC** beheer word nie.

ATRANEX® 500 SC gee die wisselvallige beheer van die volgende onkruidsoort:

Tribulus terrestris

Gewone dubbeljie

Nota: Hierdie produk beheer sekere eenjarige breëblaaronkruid. Ander eenjarige breëblaaronkruid wat nie tydens die ontwikkelingsproewe met die middel voorgekom het nie, kan ook moontlik in meerdere of mindere mate beheer word. Die registrasiehouer aanvaar egter geen aanspreeklikheid ten opsigte van ongelyste onkruid nie.

Onder abnormale nat toestande mag die laatseisoen beheer van onkruid nie na wense wees nie. Om 'n breër spectrum van eenjarige grasse te beheer kan **ATRANEX® 500 SC** in 'n tenkmengsel of as 'n afsonderlike toediening in kombinasie met 'n geregistreerde grasdoder gebruik word. **ATRANEX® 500 SC** is mengbaar in 'n spuitmengsel met al die huidige geregistreerde grasdoders. Vir die toedieningshoeveelhede van onderskeie grasdoders, asook vir die betrokke **ATRANEX® 500 SC** toedieningshoeveelhede wanneer mengsels gespuit word, moet etikette van die produkte geraadpleeg word. Die gebruiksaanwysings op die betrokke etikette moet noukeurig gevolg word.

LET WEL: Waar **ATRANEX® 500 SC** in kombinasie met EPTC in mielies gebruik word, moet ten minste twee-derdes van die aanbevole toedieningshoeveelheid **ATRANEX® 500 SC** volgens grondtipe gebruik word. **ATRANEX® 500 SC** is ook verenigbaar met geregistreerde benattingsmiddels en met BROMOKSINIL. Wanneer **ATRANEX 500 SC** met enige van bo-staande produkte gemeng word, moet alle inligting op die betrokke etiket geraadpleeg word en die gebruiksaanwysings gevolg word. **ATRANEX® 500 SC** kan ook in tenkmengsel met 2,4-D® Amien (480 g/l) vir die beheer van breëblaaronkruid tot 100 mm hoogte op enige stadium voor blom in mielies en graansorghum toegedien word. Vir toedieningshoeveelhede en gebruiksbepelings sien tabelle onder "TOEDIENINGSHOEVEELHEDE".

Gebruiksbeperkings

Om skade aan opvolggewasse te voorkom, moet die volgende wagperiodes toegepas word:

- a) Mielies en suikerriet.....Geen
- b) Graansorghum.....12 maande
- c) Sonneblom, kleingraan, droë bone, grondbone,
Sojabone, voersorghum en aartappels.....18 maande
- d) Alle ander gewasse ('n toetsaanplanting word egter aanbeveel).....24 maande

Waar die totale hoeveelheid **ATRANEX® 500 SC** per seisoen toegedien nie 2,0 l/ha in die seisoen oorskry nie (1,0 kg atrasiën aktief), kan die wagperiodes soos genoem onder b en c verminder word na 9 maande, behalwe in die geval van sanderige grond in die Noordwes provinsie en Noord Wes Vrystaat waar die kleipersentasie laer 0-10 % is. Waar die totale hoeveelheid Atrasiën aktief wel 1,0 kg/ha oorskry, maar nie meer as die aanbevole dosis Atrasiën (aktief) volgens die grondtipe oorskry nie, geld gebruiksbepelings 1–4.

- Bogenoemde wagperiodes geld slegs indien die korrekte hoeveelheid **ATRANEX® 500 SC** volgens grondsoort toegedien was en normale of bogemiddelde reënval gedurende die seisoen waarin **ATRANEX® 500 SC** toegedien is en daarna voorgekom het.

- Waar **ATRANEX® 500 SC** toegedien is aan gronde wat uitsit by natwordeing en kraak of krummel tydens uitdroging, soos byvoorbeeld turfgronde, mag dit wees dat **ATRANEX® 500 SC** langer in die grond aktief bly as wat bogenoemde wagperiodes aandui. Gevolglik moet **ATRANEX® 500 SC** nie op sulke gronde toegedien word indien dit beoog word omt atrasiengevoelige gewasse in die voorsienbare toekoms daarop te plant nie. Op hierdie gronde mag onkruid ook nie bevredigend deur 'n vooropkom-toediening van **ATRANEX® 500 SC** beheer word nie.
- Moenie **ATRANEX® 500 SC** toedien aan ingeteelde ouerplante van mielie- en graansorghumbasters, proef of nuut-vrygestelde mielie- of graansorghum kultivars sonder om eers die vervaardiger of saadverskaffer te raadpleeg nie.

GEBRUIKSAANWYSINGS:

Gebruik slegs soos aangedui.

Skud goed voor gebruik. Plaase die deksel terug na gebruik. Maak die spuittenk halfvol met water. Voeg die benodigde hoeveelheid **ATRANEX® 500 SC** by. Vul die tenk verder met water. Hou die middel in die spuittenk voortdurend in suspensie deur roering. Aan die einde van die dag moet die spuittenk deeglik met water uitgespoel word.

Toediening

Kalibreer spuittoerusting noukeurig voor toediening. Gebruik waaiertipe spuitpunte wat 'n eweredige bedekking gee.

Vooropkom

Om die volle **ATRANEX® 500 SC** onkruidspektrum te beheer moet **ATRANEX® 500 SC** toegedien word tydens of onmiddelik nadat in varsbewerkte grond geplant is om sodoende 'n onkruidvrye saadbed te verseker. Die grond moet 'n egalige en ferm oppervlak hê. sonder kluite. Dit is verkieslik dat reënb binne 7-10 dae na toediening volg sodat **ATRANEX® 500 SC** in die bogrond ingewas kan word, waar dit deur die wortels van ontkiemende onkruid opgeneem kan word. Indien droë weerstoestande vir 'n priode van 7-10 dae na toediening voortduur, mag onkruid ontkiem en ontwikkel. Waar dit gebeur, word aanbeveel dat 'n bewerking met 'n roltandeg uitgevoer word om die onkruid te vernietig en die onkruiddoder met die boonste grondlaag te vermeng.

Na-opkom

Waar toediening na opkom van die gewas en onkruid geskied, moet breëblaaronkruid nie groter as die saailingstadium (tweeblaarstadium) wees nie en grasse moet nog nie opgekom het nie. Vir algehelde toediening gebruik 200-400 l water per hektaar. Gebruik dienoooreenkomstig minder water in geval van strookbehandeling

TOEDIENINGSHOEVEELHEDE

Mielies (Voor- en vroeg na-opkom)

% KLEI	ATRANEX® 500 SC (l/ha)	OPMERKINGS
0–10	2,50	Hierdie toedieningshoeveelhede geld vir algehelde toediening van die onkruiddoder. Vir strookbehandeling moet dienoooreenkomstig minder van die onkruiddoder per hektaar toegedien word.
11–20	3,25	
21–30	4,00	
31–40	4,75	
41–55	5,00	

Graan sorghum

Nota: Vooropkomtoediening word slegs aanbeveel op gronde wat meer as 35 % klei bevat. Na opkomtoediening word slegs aanbeveel op gronde wat meer as 25 % klei bevat indien graansorghum tydens toediening reeds vyf of meer blare het.

% KLEI	ATRANEX 500 SC (ℓ/ha)	OPMERKING
0–25	-	Nie aanbeveel nie.
26–30	4,00	Slegs na-opkoms.
31–35	4,75	Slegs na-opkoms.
36–40	4,75	Voor- en na-opkoms.
41–55	5,00	Voor- en na-opkoms Grasse wat tydens toediening reeds op is, sal nie beheer word nie.

Nota: Moenie toedien op lande wat moontlik kan versuip nie. Moenie op grond met 'n hoë logingspotensiaal gebruik nie en moenie direk na toediening besproei nie. Indien koue en/of baie nat toestande intree nadat **ATRANEX® 500 SC** toegedien is, mag graansorghum beskadig word, ongeag die grondsoort. Moenie die aanbevole toedieningshoeveelhede oorskry nie.

BELANGRIK VIR MIELIES EN GRAANSORGHUM:

Maak seker dat voldoende kunsmis tydens plant in 'n strook naby die saad geplaas word om die groei van saailinge te bevorder.

Mielies en Graansorghum (Na-opkom toediening van **ATRANEX® 500 SC** plus 2,4-D Amine)

GEWAS	% KLEI	ATRANEX® 500 SC (ℓ/ ha)	OPMERKINGS
Mielies	Alle	2,0 + 0,75 ℓ 480 g/ ℓ Amien	Dien toe op aktiefgroeiende breëblaar onkruid nie groter as 100 mm. Indien die gewas hoër as 400 mm is, word gerigte bespuiting aanbeveel om sodoende beter benatting van die onkruid te verky.
Graan Sorghum	Meer as 15	2,0 + 0,75 ℓ 480 g/ℓ Amien	Moenie onder koue en/of nat toestande toedien nie, aangesien die gewas onder sulke toestande moontlik benadeel kan word.

Mielies en Sorghum: Ou saadbed / Minimum of stoppelbewerkings

Waar minimum- of stoppelbewerking toegepas word, mag onkruid ten tye van plant alreeds opgekom het. Indien mielies of graansorghum onder sulke toestande of in 'n saadbed geplant word, waar grasse alreeds opgekom het en die breëblaaronkruid reeds verder as die saailingstadium ontwikkel het, word aanbeveel dat **PARAQUAT®** by die **ATRANEX® 500 SC** gevoeg word teen 'n hoeveelheid soos aanbeveel deur die vervaardiger. Die **PARAQUAT®** sal die bestaande onkruid verniet en 'n vooropkomtoestand skep wat **ATRANEX® 500 SC** sal toelaat om doeltreffend te werk.

LET WEL: Waar PARAQUAT® bygevoeg word, moet toediening plaasvind voordat die gewas opgekom het, aangesien paraquat die gewas, nadat dit opgekom het, sal beskadig. By minimum- of stoppelbewerkings kan die digtheid van die stoppels en humus die werking van **ATRANEX® 500 SC** benadeel. Raadpleeg dus 'n verteenwoordiger van die verspreider of vervaardiger.

Suikerriet

Dien **ATRANEX® 500 SC** as 'n algehele vooropkombespuiting toe op ligte tot medium gronde vir die beheer van die breëblaaronkruid in suikerriet. Doen bespuiting onmiddellik voor besproeiing of net voordat reën verwag word om goeie resultate te verseker. Vir die beheer van eenjarige grasse word 'n tenkmengsel van **ATRANEX® 500 SC** met 'n geregistreerde grasdoder aanbeveel. Raadpleeg die etiket vir betrokke grasdoders vir toedieningshoeveelhede.

GRONDSOORT	% KLEI	ATRANEX 500 SC (ℓ/ha)
Ligte tot medium	0-35	2,5 ℓ

Pynappels

% KLEI	ATRANEX 500 SC (ℓ/ha)	OPMERKINGS
0–20	3,7 + 3,7 ℓ Ametrex 500 SC	Vroeë na-opkom behandeling aanbeveel in gevalle waar 'n gemengde plantegroei van grasse en breëblaar-onkruid vooropkom en waar laat ontkimende onkruid 'n probleem is.
21–35	5,2 + 5,2 ℓ Ametrex 500 SC	
Bo 35	Nie aanbeveel	