

MAKHTESHIM-AGAN SA (PTY) LTD

SUPRANEX 600 SC

Reg No L 5351 Act / Wet 36 of 1947
N – AR 0494

A suspension concentrate herbicide for the control of annual broadleaf weeds as well as goosegrass in maize and grainsorghum.

'n Suspensiekonsentraat onkruidodder vir die beheer van eenjarige breëblaaronkruid asook jongosgras in mielies en graansorghum.

ACTIVE INGREDIENTS/ AKTIEWE BESTANDELE

Atrazine (triazine)	291 g/l	Atrasien (triasien)
Terbutylazine (triazine)	291 g/l	Terbutielasien (triasien)
Other active triazines	18 g/l	Ander aktiewe triasiene

NET VOLUME / NETTO VOLUME

..... l

REGISTRATION HOLDER / REGISTRASIEHOUER

Makhteshim-Agan SA (Pty) LTD
Reg No. 92/01741/07
21 Viben Street
Brackenfell
7560

Batch number

Lotnommer

Date of Manufacture

Datum van Vervaardiging

**SUPRANEX 600 SC is the registered trademark of Makhteshim-Agan Israel.
SUPRANEX 600 SC is die geregistreerde handelsmerk van Makhteshim-Agan, Israel.**

(yellow / geel)



Harmful/Skadelik



WARNINGS

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

Aerial application:

Aerial application of **SUPRANEX 600 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 litres 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 aurally at a lower volume rate than recommended above.
- Droplet coverage: 20 to 30 droplets per cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 350 to 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 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.
- 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 SUPRANEX 600 SC 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 weeds against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of SUPRANEX 600 SC 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 use and wash contaminated clothing after use.
- Do not eat, drink or smoke while mixing or applying SUPRANEX 600 SC or before removing contaminated clothing and washing after use.
- Do not mix and load or apply SUPRANEX 600 SC within at least 15 m from water sources such as boreholes, streams, rivers and dams.
- Do not apply SUPRANEX 600 SC within 60 m of dams.
- When applying through irrigation systems, ensure that no back-syphoning to the water source takes place.
- Avoid drift or spray onto non-target crops, grazing and other areas not under treatment.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Thoroughly wash and rinse spray equipment after use and dispose of the wash water where it will not contaminate crops, grazing, rivers, dams and boreholes.
- 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 the 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 by perforation and flattening. Do not use the container for any other purpose.

USE RESTRICTIONS

- The maximum rate of active ingredient applied to crops must not exceed 2,5 kg / ha or 4,16 l SUPRANEX 600 SC per year.
- To avoid damage to follow-up or rotation crop, the following waiting periods after the application of SUPRANEX 600 SC should be observed before planting these crops;

Not waiting period	-	maize and sugarcane
12 months	-	grain sorghum
18 months	-	dry beans, forage sorghum, groundnuts, potatoes, soyabeans,
24 months	-	all other crops; a test planting is recommended prior to full scale planting.

When the rate of SUPRANEX 600 SC applied does not exceed 1,7 l ha, the waiting period for planting the above crops requiring 12 or 18 months may be reduced to 9 months, except on the sandy soils (0 – 10 % clay) of the North West Province and the north western Free State.

These waiting periods are valid only if the correct **SUPRANEX 600 SC** dosage rate was applied and normal or above average rainfall occurred after **SUPRANEX 600 SC** application

- If **SUPRANEX 600 SC** is applied to soils, which expand on wetting and crack or crumble when dry such as turf soils, **SUPRANEX 600 SC** may remain active longer than the above waiting periods. **SUPRANEX 600 SC** should not be used on these soils if it is intended to plant triazine sensitive crops in the near future. Pre-emerge weed control on these soils may not be optimum.
- Do not apply **SUPRANEX 600 SC** to inbred parent plants of maize and grain sorghum hybrids or experimental or newly released cultivars without first consulting the distributor and / or seed supplier regarding the crop tolerance of this treatment.
- When applying **SUPRANEX 600 SC** in a tank mix with paraquat, avoid application to maize under physiological stress of with a low yield potential as well as under windy conditions and to fields with an uneven surface.

WEED CONTROLLED

The following weed species are normally controlled by an application of **SUPRANEX 600 SC** at the dosage rates as indicated below:

BROADLEAF WEEDS

Acanthospermum australe
Acanthospermum glabratum
Acanthospermum hispidum
Amaranthus deflexus
Amaranthus hybridus (*)
Amaranthus spinosus
Amaranthus thunbergii
Bidens bipinnata
Bidens pilosa
Chenopodium album
Chenopodium carinatum
Cleome monophylla
Cleome rubella
Commelina benghalensis
Bidens bipinnatus
Crotalaria sphaerocarpa
Datura ferox
Datura stramonium
Galinsoga parviflora
Gisekia pharnaceoides
Hibiscus cannabinus
Hibiscus trionum
Nicandra physaloides
Physalis angulata
Portulaca oleracea
Richardia brasiliensis
Schkuhria pinnata
Tagetes minuta

Eight-seeded prostrate starbur
Five-seeded prostrate starbur
Upright starbur
Perennial pigweed
Common pigweed
Thorny pigweed
Red pigweed
Spanish blackjack
Blackjack
White goosefoot
Green goosefoot
Spindlepod
Pretty lady
Bengal wandeing Jew
Cosmos
miealie Crotalaria
Large thorn apple
Thorn apple
Gallant soldier
Gisekia
Kenaf
Bladderweed
Apple of Peru
Wild gooseberry
Purslane
Tropical richardia
Dwarf marigold
Khakiweed

Vigna vexillata

Wild cow-pea

* Resistant strains of this weed may possibly not be adequately controlled.

When **SUPRANEX 600 SC** is tank mixed with 2,4-D amine, the above broadleaf weeds will be controlled as well as the following:

Cucumis myriocarpus

Striped wild cucumber

Ipomoea coscinospermum

Morning glory

Tribulus terrestris

Common dubbeltjie

Xanthium strumarium

Cocklebur

NOTE: For improved post emerge broadleaf weed control, the recommended rate of **SUPRANEX 600 SC** can be tank mixed with 2,4-D amine (480 g / l) and applied to weeds up to 10 cm high in maize and grain sorghum before flowering.

GRASSES

Eleusine indica

Goosegrass

If dry conditions prevail for a period of 7 to 14 days after a pre-emergence application the following weed species may not be adequately controlled, especially on heavy soils:

Commelina benghalensis

Bengal wandering Jew

Cosmos bipinnatus

Cosmos

Datura spp.

Thorn apple

Eleusine indica

Goose grass

NOTE: **SUPRANEX 600 SC** controls goosegras and numerous annual broadleaf weeds. Other annual broadleaf weeds that were not present during the development trials of **SUPRANEX 600 SC**, may also be controlled. However, the registration holder does not accept any responsibility for unlisted weeds.

NOTE: For improved grass weed control and / or extended weed control, **SUPRANEX 600 SC** can be applied after the application of a post-plant pre-emerge treatment such as ALANEX 384 EC (Reg nr. L 4725, Act 36 of 1947).

DIRECTIONS FOR USE: APPLY ONLY AS DIRECTED

COMPATIBILITY

SUPRANEX 600 SC is compatible with other herbicides such as paraquat and 2,4-D amine. However, it is recommended that a physical compatibility tank mix test should always be carried out prior to large scale application.

MIXING INSTRUCTIONS

- Shake the **SUPRANEX 600 SC** container well before use. Replace the cap on the container after use.
- Half-fill the spray tank with clean water; add the required amount of **SUPRANEX 600 SC** through a 50 mesh sieve while agitating continuously; add water to the required volume.
- When tank mixing **SUPRANEX 600 SC** with other products such as paraquat and 2,4-D

amine, the same procedure should be followed with the paraquat or 2,4-D amine being added last when the tank is filled to the desired capacity.

- Ensure thorough agitation of the mixture during mixing and application.

APPLICATION

- Spray equipment must be accurately calibrated before application.
- Spray volumes should be 200 – 400 l / ha for ground equipment and 30 – 50 l / ha when applied by aircraft.
- Dosage rates and spray volumes should be adjusted accordingly for bank treatments on the planting row.
- Spray solutions must be sprayed out and not allowed to stand in the spray tank overnight.

PRE-EMERGE WEED CONTROL: Apply **SUPRANEX 600 SC** during or within 3 days of planting to a soil, free of weeds and clods. Rain or irrigation within 10 days of application is necessary to move the product into the soil profile where it can be absorbed by the roots of germinating weeds. When conditions are dry for 7 – 14 days, a light shallow cultivation can be done to destroy any weeds present and to incorporate the herbicide into the top 10 – 20 mm soil.

POST-EMERGE WEED CONTROL: When **SUPRANEX 600 SC** is sprayed alone, broadleaf weeds should be in the seedling stage (2 leaves) and pre-emerge of grasses. When sprayed in a tank mix with 2,4-D amine, broadleaf weeds should not be larger than 10 cm. When sprayed in a tank mix with paraquat, the maize must be at least 30 cm high and the spray directed at the inter-row (consult the paraquat label for details).

AERIAL APPLICATION

1. Use only a conventional boom with flat fan nozzles.
2. Maintain a 3,0 m flying height when wind speeds are 0 – 8 km / hour and a flying height of 2,0 m when wind speeds are 8 – 15 km / hour. Do not spray when wind speed exceeds 15 km / hour.
3. The difference between the wet and dry bulb reading on a swinging hygrometer must not exceed 8 °C. Do not spray during the heat of the day.
4. Fields to be sprayed must be accurately marked.
5. Pre-emerge applications should be in a minimum spray volume of 30 l / ha with 20 to 30 droplets (VDM of 450 µ) per square cm.
6. Obtain an assurance from the aerial spray operator that the above requirements are met.

CONSERVATION OR NO TILLAGE: Apply GLYPHOGAN 360 SL (Reg nr. L 5393, Act 36 of 1947) or GLYPHOFIX 180 SL (Reg. Nr. L 5389, Act 36 of 1947) or paraquat for pre-plant weed control followed by planting and **SUPRANEX 600 SC** application. **SUPRANEX 600 SC** can be applied to reduced tillage lands which have a crop residue covering the soil. This residue may affect the herbicide distribution on the soil surface with the result of the possibility of a few weeds escaping but this is generally not a problem.

**MAIZE – APPLICATION RATES
PRE AND POST EMERGE TREATMENTS**

% CLAY	SOIL TYPE⁰	SUPRANEX 600 SC (l / ha)
0 - 10	Light sand / sand	2,0
11 - 20	Light loamy sand / sandy loam	2,7
21 - 30	Sandy clay loam	3,3
31 - 40	Sandy clay	4,0

If grass weeds are a problem, it is recommended to apply ALANEX 384 at planting followed by an early post emerge treatment of **SUPRANEX 600 SC**

Apply **SUPRANEX 600 SC** as a post emerge spray in a tank mix with a suitable surfactant on broadleaf weeds up to the 4 leaf stage only and before grasses and khaki weed have emerged. If broadleaf weeds are larger than the 4 leaf stage and grasses have emerged they should be destroyed with a shallow cultivation before applying **SUPRANEX 600 SC** or sprayed with a 2,4-D amine mix as indicated below.

If broadleaf weeds up to 10 cm high are present, **SUPRANEX 600 SC** can be sprayed in a tank mix with 2,4-D amine (480 g / l). Under cold and wet or hot and humid conditions, 2,4-D amine may retard the development of maize prop roots. Under these conditions apply 1,7 l **SUPRANEX 600 SC** + 0,5 l 2,4-D amine / ha. Where Bengal wandering Jew and dubbeltjies are a problem apply 1,3 l **SUPRANEX 600 SC** + 0,75 l 2,4-D amine / ha.

**SORGHUM APPLICATION RATES
(POST EMERGE TREATMENTS ONLY)**

% CLAY	SOIL TYPE	SUPRANEX 600 SC (l / ha)
0 - 20	Light sand / Sandy loam	Not recommended
21 - 30	Sandy clay loam	3,3
31 - 40	Sandy clay loam / sandy clay	4,0

Apply **SUPRANEX 600 SC** as a post emerge spray in a tank mix with a suitable surfactant on broadleaf weeds up to the 4 leaf stage only and before grasses and khaki weed have emerge. The grain sorghum must be older than the 5 leaf stage. If broadleaf weeds are larger than the 4 leaf stage and grasses have emerged they should be destroyed with a shallow cultivation before applying **SUPRANEX 600 SC**.

Under cold and / or very wet conditions, **SUPRANEX 600 SC** may cause injury to the crop. Do not apply where water logging of the soil is a problem. Do not irrigate immediately after application. Do not exceed the recommended dosage rates.

If broadleaf weeds up to 10 cm high are present, 1,7 l **SUPRANEX 600 SC** / ha can be applied in a tank mix with 0,5 l 2,4-D amine / ha. This mixture should be applied about 4 to 5 weeks after planting when the grain sorghum is at the 4 – 5 leaf stage (15 cm high). Under hot and humid conditions, 2,4-D amine may cause temporary crop injury which should not effect the yield.

ALANEX 384 EC (Reg nr. L 4725; 384 g alachlor / l), GLYPHOGAN 360 SL (Reg nr. L 5393; 360 g glyphoate / l), GLYPHOFIX 180 SL (Reg nr. L 5389; 180 g glyphosate / l) are registered under Act 36 of 1947 by Makhteshim Agan (SA) Pty Ltd.

WAARSKUWINGS

- * Giftig indien ingesluk.
- * Stoor in 'n koel plek en weg van voedsel, voer, saad en ander landbou produkte..
- * Hou buite bereik van kinders, oningeligte persone en diere.

Lugtoediening:

SUPRANEX 600 SC kan slegs deur 'n geregistreerde Lugbespuitingsperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SABS Kode 0118 (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 verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- Druppel bedekking: 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 nie, 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 binnste 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 swaaihieter, moet nie 8°C oorskry nie. Stop bespuiting indien die windspoed 15 km/h 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:
 - 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.

Alhoewel SUPRANEX 600 SC 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

- Moet nie die spuitnewel inasem nie.
- Was met seep en water na gebruik en was besoedelde klere na gebruik.
- Moet nie eet, drink of rook tydens vermenging of toediening van SUPRANEX 600 SC of voordat besoedelde klere verwyder is en gewas is nie.
- Moet nie SUPRANEX 600 SC meng en laai of spuit nader as 15 m vanaf waterbronne soos boorgate, strome, riviere en damme nie.
- Moet die SUPRANEX 600 SC toedien nader as 60 m van damme nie.
- Verseker dat geen terugsyfering plaasvind na boorgate of damme wanneer die produk toegedien word deur 'n besproeiingssisteem nie.
- Vermyn spuitnewel op ander gewasse, weiveld en plekke wat nie behandel moet word nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Maak toedieningsapparaat skoon na gebruik. Uitspoelwater moet nie gewasse, weiveld, riviere, damme en boorgate besoedel nie.
- Keer die leë houer om oor die opening van die spuittenk en dreineer vir minstens 30 sekondes totdat die vloeï in 'n stadige drip oorgaan. Spoel die leë houer daarna drie keer uit met 'n volume skoon water gelykstaande aan 'n minimum van 10 % van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrewe wyse vernietig word. Vernietig leë houer deur gate daarin te maak en plat te druk. Moet die houer vir geen ander doel gebruik nie.

GEBRUIKSBEPERKINGS

- Die maksimum dosis van aktiewe bestanddeel wat op 'n gewas toegedien word moet nie 2,5 kg / ha of 4,16 l SUPRANEX 600 SC per jaar oorskry nie.
- Om skade aan opvolggewasse toe voorkom nadat SUPRANEX 600 SC toegedien is, moet die volgende wagperiodes toegepas word.

Geen wagperiode	-	mielies en suikerriet
12 maande	-	graansorghum
18 maande	-	droë bone, voersorghum, grondbone, aartappels, sojabone, sonneblomme en kleingraan
24 maande	-	alle ander gewasse; 'n toetsplanting word aanbeveel voordat volskaals geplant word.

Waar die toegediende dosis van SUPRANEX 600 SC nie 1,7 l / ha oorskry nie kan die wagperiodes van die 12 en 24 maande periodes soos hierbo genoem, verkort word na 9 maande behalwe op die sanderige

gronde van die Noordwes provinsie en Noord Westelike Vrystaat wat slegs 0 – 10 % klei bevat.

Hierdie wagperiodes is alleenlik geldig indien die regte dosis van **SUPRANEX 600 SC** toegedien is en normale of bogemiddelde reënval plaasgevind het nadat **SUPRANEX 600 SC** toegedien is.

- Indien **SUPRANEX 600 SC** toegedien word op gronde wat uitsit by natwording en kraak of krummel by uitdroging soos turfgronde, mag dit veel langer in die grond aktief bly as wat bostaande wagperiodes aandui. **SUPRANEX 600 SC** moet nie op hierdie gronde gebruik word indien die gewas opgevolg word met 'n triasien sensitiewe gewas nie. Vooropkoms onkruidbeheer op hierdie gronde mag ook nie optimal wees nie.
- Moet nie **SUPRANEX 600 SC** toedien aan ingeteelde ouerplante van mielie- en graansorghumbasters, of proef- of nuutvrygestelde mielie- of graansorghum-kultivars sonder om eers die verspreider of saadverskaffer te raadpleeg nie.
- Wanneer **SUPRANEX 600 SC** as 'n tenkmengsel saam met paraquat toegedien word, moet die volgende omstandighede vermy word; mielies onderworpe aan fisiologiese stremming, mielies met 'n lae opbrengspotensiaal, winderige toestande en lande met 'n ongelike oppervlakte.

ONKRUIDE WAT BEHEER WORD

Die volgende onkruidsoorte word normaalweg deur **SUPRANEX 600 SC** beheer teen die toedieningshoeveelhede soos hieronder aanbeveel.

BREëBLAARONKRUIDE

<i>Acanthospermum australe</i>	Agtsadige kruipsterklits
<i>Acanthospermum glabratum</i>	Vyfsadige Kruipsterklits
<i>Acanthospermum hispidum</i>	Regop sterklits
<i>Amaranthus deflexus</i>	Meerjarige misbredie
<i>Amaranthus hybridus</i> (*)	Gewone misbredie
<i>Amaranthus spinosus</i>	Doringmisbredie
<i>Amaranthus thunbergii</i>	Rooimisbredie
<i>Bidens bipinnata</i>	Spaanse knapsekêrel
<i>Bidens pilosa</i>	Knapsekêrel
<i>Chenopodium album</i>	Withondebossie
<i>Chenopodium carinatum</i>	Groen hondebossie
<i>Cleome monophylla</i>	Rusperbossie
<i>Cleome rubella</i>	Mooinoientjie
<i>Commelina benghalensis</i>	Bengaalse wandelende Jood
<i>Cosmos bipinnatus</i>	Kosmos
<i>Crotalaria sphaerocarpa</i>	Mielie Crotalaria
<i>Datura ferox</i>	Grootstinkblaar
<i>Datura stramonium</i>	Stinkblaar
<i>Galingsoga parviflora</i>	Knopkruid
<i>Gisekia pharnaceoides</i>	Gisekia
<i>Hibiscus cannabinus</i>	Wildestokroos
<i>Hibiscus trionum</i>	Terblansbossie
<i>Nicandra physaloides</i>	Basterappelliefie
<i>Physalis angulata</i>	Wilde appelliefie
<i>Portulaca oleracea</i>	Porslein

<i>Richardia brasiliensis</i>	Tropiese Richardia
<i>Schkuhria pinnata</i>	Klein kakiebos
<i>Tagetes minuta</i>	Kakiebos
<i>Vigna vexillata</i>	Wilde akkerboontjie

* Weestandbiedende biotipes sal moontlik nie voldoende beheer word nie.

Wanneer **SUPRANEX 600 SC** as 'n tenkmengsel van 2,4-D amine gebruik word sal bostaande breëblaaronkruides sowel as die volgende beheer word.

<i>Cucumis myriocarpus</i>	Streepwildekomkommer
<i>Ipomoea coscinospermum</i>	Purperwind
<i>Tribulus terrestris</i>	Gewone dubbeltjie
<i>Xanthium strumarium</i>	Kankerros

NOTA: Vir verbeterde breëblaaronkruidbeheer kan die aanbevole dosis **SUPRANEX 600 SC** as 'n tenkmengsel met 2,4-D amine (480 g / l) toegedien word. Hierdie mengsel kan toegedien word tot en met 10 cm hoogte van die onkruid, maar voor die blomstadium. Die bespuiting kan toegepas word in mielies en graansorghum.

GRASSE

<i>Eluesine indica</i>	Jongosgras
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Indien droë weerstoestande voortduur vir >n tydperk van 7 – 14 dae na 'n vooropkomtoediening, mag die volgende onkruidsoorte, veral op swaarder grond, nie na wense beheer word nie.

<i>Commelina benghalensis</i>	Bengaalse wandelende Jood
<i>Cosmos bipinnatus</i>	Kosmos
<i>Datura spp.</i>	Stinkblaar
<i>Eleusine indica</i>	Jongosgras

NOTA: **SUPRANEX 600 SC** beheer jongosgras en verskeie eenjarige breëblaaronkruides. Ander eenjarige breëblaaronkruides wat nie tydens die ontwikkelingsproewe van **SUPRANEX 600 SC** voorgekom het nie, kan ook moontlik beheer word. Die registrasiehouer aanvaar egter geen aanspreeklikheid ten opsigte van ongelyste onkruides nie.

NOTA: Vir verbeterde grasbeheer en / of verlengde onkruidbeheer kan **SUPRANEX 600 SC** -toegedien word nadat 'n na-plant vooropkomsonkruidedoder soos ALANEX 384 EC (Reg nr. L 4725, Wet 36 van 1947) toegedien is.

GEBRUKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

VERENIGBAARHEID

SUPRANEX 600 SC is verenigbaar met ander onkruidedoders soos paraquat en 2,4-D amine. Dit word egter aanbeveel dat 'n fisiese verenigbaarheidstoets altyd uitgevoer word alvorens bespuitings op groot

skaal uitgevoer word.

MENGINSTRUKSIES

- Skud die **SUPRANEX 600 SC** houer goed voor gebruik. Plaas die skroefdop terug na gebruik.
- Maak die spuitenk halfvol met water en voeg die verlangde hoeveelheid **SUPRANEX 600 SC** deur 'n 50 maas sif by terwyl geroer word. Vul die tenk verder totdat die verlengde volume verkry is.
- Wanneer **SUPRANEX 600 SC** in 'n tenkmengsel saam met ander produkte soos paraquat en 2,4-D amine gebruik word, moet die paraquat of 2,4-D amine altyd laaste bygevoeg word waarna die spuitenk gevul word tot die gewenste kapasiteit.
- Verseker deeglike roering van die mengsel tydens toediening.

TOEDIENING

- Spuittoerusting moet akuraat gekalibreer wees voordat toediening begin word.
- Die spuitvolumes moet tussen 200 – 400 l / ha wees met grondtoediening en 30 – 50 l / ha wanneer lugtoediening uitgevoer word.
- Wanneer bandbehandeling op die plantry toegepas word moet die dosis en water volume die ooreenkomstig aangepas word.
- Spuitoplossing moet uitgespuit word en nie oornag in die spuitenk gelaat word nie.

VOOROPKOMS ONKRUIDBEHEER: Dien **SUPRANEX 600 SC** toe tydens plant of binne 3 dae na plant op 'n oppervlak vry van onkruid en klonte. Reën of besproeiing word binne 10 dae na toediening benodig om die produk in die grondprofiel in te dra waar dit geabsorbeer kan word deur die wortels van die ontkiemende onkruid. Indien toestande droog bly vir 7 – 14 dae na toediening kan 'n ligte bewerking uitgevoer word om ontkiemde onkruid te vernietig, asook om die onkruidoder met die boonste 10 – 20 mm grond te vermeng.

NA-OPKOMS ONKRUIDBEHEER: Wanneer **SUPRANEX 600 SC** alleen toegedien word moet die breëblaar onkruid in die saailing stadium wees (2 blare) en vooropkoms van grasse. As **SUPRANEX 600 SC** as 'n tenkmengsel met 2,4-D amine gespuit word moet die breëblaaronkruid nie groter as 10 cm wees nie. Wanneer 'n tenkmengsel met paraquat gebruik word, moet die mielies minstens 30 cm hoog wees en gerig word as 'n tussenry bespuiting (sien paraquat etiket vir besonderhede).

LUGTOEDIENING

1. Gebruik slegs 'n konvensionele spuitbalk met platwaaierspuitpunte.
2. Handhaaf 'n vlieg hoogte van drie meter bokant die teikengebied by windsnelhede van 0 tot 8 km per uur en 2 meter by windsnelhede van 8 tot 15 km per uur. Staak bespuiting sodra die windsnelheid 15 meter oorskry.
3. Die verskil tussen die nat- en droëbollesing, soos met >n swaai-higrometer bepaal, moet nie meer as 8N C wees nie. Moet nie op die hitte van die dag spuit nie.
4. Dra sorg dat die lande akkuraat uitgemerk is
5. Vooropkomstoedienings moet geskied met 'n spuitvolume van 30 l / ha en 20 – 30 druppels per vierkante meter (VDM van 450 µ).
6. Verkry versekering van die lugtoediener dat bogenoemde vereistes nagekom word.

BEWARINGSBEWERKING OF GEEN BEWERKING: Dien GLYPHOGAN 360 SL (Reg. Nr. L5393), Wet 36 van 1947) of GLYPHOFIX 180 SL (Reg Nr. L 5389, Wet 36 van 1947) of paraquat toe vir voorplant onkruidbeheer, gevolg deur plant en **SUPRANEX 600 SC** toedieing. **SUPRANEX 600 SC** kan toegedien word op lande waar verminderde bewerking geskied en plantreste die grond bedek. Die plantreste mag die distribusie van die onkruidodder op die grondoppervlak affekteer en gevolglik kan 'n paar onkruid ontkiem maar geen groot probleem word veroorsaak nie.

**MIELIES – TOEDIENINGSHOEVEELHEDE
VOOR- EN VROEG NA-OPKOMS BEHANDELINGS)**

KLEI %	GROND TIPE	SUPRANEX 600 SC (l/ha)
0 – 10	Ligte sand / sand	2,0
11 - 20	Leemsand / sandleem	2,7
21 - 30	Sandkleileem	3,3
31 - 40	Sandkleileem / sandklei	4,0

As grasse 'n probleem is, word dit aanbeveel om ALANEX 384 EC met plant toe te dien, opgevolg deur 'n vroeë na-opkoms bespuiting met **SUPRANEX 600 SC**.

SUPRANEX 600 SC kan alleenlik na-opkom toegedien word, mits die breëblaaronkruid nog nie verder as die 4-blaarstadium ontwikkel het nie en grasse en kakiebos nog nie opgekom het nie. 'n Geskikte benatter moet gebruik word. Waar breëblaar onkruid reeds groter as die 4-blaarstadium is en grasse reeds ontkiem het, moet die onkruid vernietig word deur 'n vlakbewerking alvorens **SUPRANEX 600 SC** toegedien word. Alternatiewelik kan die onkruid gespuit word met 'n mengsel van 2,4-D amine soos aangedui hieronder.

Indien breëblaaronkruid tot en met 10 cm hoogte teenwoordig is, kan **SUPRANEX 600 SC** in 'n tenkmengsel met 2,4-D amine (480 g / l) toegedien word. Onder koue en nat, of warm en vogtige toestande kan 2,4-D amine soms stutwortelontwikkeling by mielies benadeel. Onder hiedie toestande moet 1,7 l **SUPRANEX 600 SC** + 0,5 l 2,4-D amine / ha toegedien word. Waar Bengaalse Wandelende Jood en dubbeltjies 'n probleem is kan 1,3 l **SUPRANEX 600 SC** + 0,75 l 2,4-D amine / ha toegedien word.

**1. GRAANSORGHUM - TOEDIENINGSHOEVEELHEDE
(NA OPKOMS TOEDIENINGS ALLEENLIK)**

KLEI %	GROND TIPE	SUPRANEX 600 SC (l / ha)
0 - 20	Ligte sand / sandleem	Nie aanbeveel nie
21 - 30	Sandkleileem	3,3
31 - 40	Sankleileem / Sandklei	4,0

SUPRANEX 600 SC kan alleenlik na-opkom toegedien word mits die breëblaaronkruid nog nie verder as die 4-blaarstadium ontwikkel het nie en grasse en kakiebos nog nie opgekom het nie. 'n Geskikte benatter moet gebruik word. Die graansorghum moet ouer as die 5-blaarstadium wees. Indien die breëblaaronkruid reeds groter as die 4-blaarstadium is en grasse reeds ontkiem het moet die onkruid met 'n vlakbewerking vernietig word alvorens **SUPRANEX 600 SC** toegedien word.

Onder koue en / of nat toestande kan **SUPRANEX 600 SC** skade aan die gewasse veroorsaak. Moet nie toedien waar versuiptoestande voorkom nie. Moet nie onmiddellik na toediening besproei nie. Moenie die aanbevole dosis oorskry nie.

Indien breëblaaronkruide tot en met 10 cm hoog teenwoordig is, kan 1,7 l **SUPRANEX 600 SC** + 0,5 +/ 2,4-D amine / ha in 'n tenkmengsel gespuit word. Hierdie mengsel moet toegedien word 4 tot 5 weke na plant wanneer die graansorghum die 4 tot 5 blaarstadium bereik het (15 cm hoog). Onder nat en humiede toestande, kan 2,4-D amine tydelike skade aan die gewas veroorsaak met geen effek op die opbrengs nie.

ALANEX 384 EC (Reg nr. L 4725; 384 g alachlor / l), GLYPHOGAN 360 SL (Reg nr. L 5393; 360 g glyphosate / l), GLYPHOFIX 180 SL (Reg nr. L5389; 180 glyphosate / l) is geregistreer onder Wet 36 van 1947 deur Makhteshim Agan (SA) Edms Bpk.