



TYLSIMEX 500 SC



Reg. No. L 6805 Act / Wet 36 / 1947

A suspension concentrate pre-emergence herbicide for the control of a variety of annual broadleaf weeds and certain grasses in apples, citrus, vines and triazine resistant canola cultivars.

'n Suspensiekonsentraat vooropkom onkruidodder vir die beheer van 'n verskeidenheid eenjarige breëblaaronkruid en sekere grasse in appels, sitrus, wingerde en triasien bestande kanola kultivars.

HRAC Herbicide Group Code	C 1	HRAC Onkruidoddergroepkode
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ACTIVE INGREDIENTS:

terbuthylazine and related active triazines (triazine) 287 g / ℓ

simazine and related active triazines (triazine) 213 g / ℓ

AKTIEWE BESTANDELE:

terbutilasien en verwante aktiewe triasiene (triasien)

simasien en verwante aktiewe triasiene (triasien)

Net contents Netto inhoud

Registration holder / Registrasiehouer:

MAKHTESHIM-AGAN SA (Pty) Ltd.

Reg. No. 92 / 01741 / 07

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Batch number
Date of Manufacture

Lotnommer
Datum van vervaardiging



Group III

Blue colour band

WARNINGS:

- * Harmful if swallowed.
- * May cause eye and skin irritation.
- * Store in a cool place away from food, feed, seed and other agricultural remedies.
- * Store out of reach of children, uninformed persons and animals.
- * Toxic to fish

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the 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 the remedy concerned due to failure of the user to follow label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS:

- Do not eat, drink or smoke during mixing or application of the product or before washing hands and face.
- Avoid contamination of food, feed, drinking water and eating utensils.
- Avoid inhalation of spray mist.
- Wear eye protection (face shield) and rubber gloves when handling the concentrate.
- Wash yourself as well as contaminated clothing with soap and water after use.
- Avoid spray drift onto other crops, grazing, rivers, dams or any other area not under treatment.
- Clean applicator thoroughly after use.
- Rinse water should not be allowed to contaminate crops, grazing rivers and dams.
- 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 empty container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsate to the contents of the spray tank. Destroy the empty container and do not use it for any other purpose.

RESISTANCE WARNING:

For resistance management Tylsimex 500 SC is a group code C 1 herbicide. Any weed Population may contain individuals naturally resistant to Tylsimex 500 SC and other group code C 1 herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by Tylsimex 500 SC or any other group code C 1 herbicides. To delay herbicide resistance:

- 1) Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide codes
- 2) Integrate control methods (chemical, cultural and biological) into weed control programs.

For specific information on resistance management contact your local distributor.

Use restrictions:

- Do not apply **TYLSIMEX 500 SC** in pears or stone fruit.
- Do not apply **TYLSIMEX 500 SC** in apple trees, citrus trees or vines within one year after transplant. Avoid application to young implants in established orchards and vineyards.
- Do not apply **TYLSIMEX 500 SC** in apple trees, citrus or vineyards which have a micro-nutrient deficiency or which are growing on brackish soils.
- Do not apply **TYLSIMEX 500 SC** to alkaline soils or soils that are susceptible to water logging.
- **TYLSIMEX 500 SC** has relatively long persistence in the soil. Susceptible crops such as vegetables, legumes and winter cereals should not be planted in soils less than 18 months after an application of **TYLSIMEX 500 SC**.
- If a dosage rate of 2,0 l **TYLSIMEX 500 SC** is not exceeded (1,0 kg a.i total triazines) and at least normal rainfall has occurred during the planting season the waiting period between the application and planting of cereals in the Winter Rainfall Region can be reduced to 12 months.

If **TYLSIMEX 500 SC** is used in a tank-mix with GLYPHOGAN 360 SL (Reg no. L5393), **SULTAN 50 SC** (Reg No L6892) or any other herbicide, the use restrictions of the other herbicide must be adhered to. **TYLSIMEX 500 SC** may ONLY be applied to triazine resistant canola cultivars for the control of mainly broad leaf weeds.

DIRECTIONS FOR USE: Use only as indicated.

Compatibility:

TYLSIMEX 500 SC is compatible with GLYPHOGAN 360 SL (Reg no L5393) and **SULTAN 50 SC** (Reg no L6892). The compatibility with other products can, however, be affected by the formulation thereof as well as the quality of the dilution water. As the formulation of other products can change without the knowledge of the registration holder and because water quality can change from farm to farm, the registration holder cannot accept any responsibility of the compatibility of **TYLSIMEX 500 SC** with products that does not appear on the label. It is therefore recommended that a physical compatibility test is done prior to application.

Mixing instructions:

Shake thoroughly before use. Replace screw cap after use.

Half fill the spray tank with clean water and start agitation. Add the required amount of **TYLSIMEX 500 SC** through a 50 mesh sieve. Top up the tank to the required volume. Ensure continuous agitation while filling the tank. When **TYLSIMEX 500 SC** is used in a tank-mix with GLYPHOGAN 360 SL, the **TYLSIMEX 500 SC** should be added to the spray tank last. When Sultan 50 SC is used in a tank mixture with Tylsimex 500 SC the Tylsimex must be added first. The spray tank is then filled almost to capacity before the Sultan 50 SC is added to the spray tank. Ensure continuous agitation during filling and application.

Application:

TYLSIMEX 500 SC can be applied with any medium or high volume spray applicator that is fitted with an effective agitation system. Care should be taken that the spray mixture is distributed evenly over the target area. To achieve this, the sprayer should be fitted with flat fan nozzles and calibrated to deliver at least 200 ℓ spray mixture / ha. The seedbed must be even, fine without clods and free of any excessive rests or any existing weed growth.

TYLSIMEX 500 SC is mainly taken up by the roots of weed seedlings and has little or no effect on established weeds. Rain or irrigation of at least 10 mm is necessary to leach **TYLSIMEX 500 SC** into the soil. Where weeds have already emerged, they should be controlled by cultivation or by the application of a suitable post-emergence herbicide. If weeds are already present at application, **TYLSIMEX 500 SC** can be used in a tank-mixture with GLYPHOGAN 360 SL or a suitable post-emergence herbicide.

Application rates:

CROP	DOSAGE	REMARKS
APPLES	4,7 ℓ / ha	Apply in spring as a pre-emergence application.
CANOLA (Triazine resistant cultivars ONLY)	2,0 ℓ + 250 ml SULTAN 50 SC / ha	Apply pre-emergence of weeds just after sowing when rain is expected. Continuous rain or irrigation of at least 10 mm is necessary to leach the TYLSIMEX 500 SC and SULTAN 50 SC into the soil.
CITRUS	4,7 ℓ / ha	Apply in spring as a pre-emergence treatment.
VINES	Dry land and irrigated bush vines 4,7 ℓ / ha	Apply as a pre-emergence application before bud burst. For the improved and extended control of annual grasses and especially <i>Digitaria sanguinalis</i> , 500 ml / ha SULTAN 50 SC can be tank mixed with TYLSIMEX 500 SC .
	Irrigated and trellised vines 4,7 ℓ / ha	Apply as a pre-emergence application in spring. For the improved and extended control of annual grasses and especially <i>Digitaria sanguinalis</i> , 500 ml / ha SULTAN 50 SC can be tank mixed with TYLSIMEX 500 SC .

Where band applications are done, application rates should be reduced accordingly.

WAARSKUWINGS:

- * Skadelik indien ingesluk.
- * Mag oog- en velirritasie veroorsaak.
- * Stoor in 'n koel plek weg van voedsel, voer, saad en ander landboumiddels.
- * Hou buite bereik van kinders, oningeligte persone en diere.
- * Giftig vir visse

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die onkruid teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREËLS:

- Moet nie eet, drink of rook tydens vermenging en toediening of voordat hande en gesig gewas is nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Voorkom inaseming van spuitnewel.
- Dra oogbeskerming (gesigskerm) en rubberhandskoene wanneer konsentraat hanteer word.
- Was uself met seep en water na gebruik asook besoedelde klere.
- Voorkom spuitstofwegdrywing na ander gewasse, weiveld, riviere, damme en gebiede wat nie onder behandeling is nie.
- Maak toedieningsapparaat deeglik skoon na gebruik. Gooi uitspoelwater waar dit nie gewasse, weiveld, riviere en damme sal besoedel nie.
- Keer die leë houer om oor die spuit- of mengtenk en dreineer vir minstens 30 sekondes nadat die vloei tot 'n gedrup verminder het. Spoel die houer daarna drie keer uit met 'n volume water gelykstaande aan 'n minimum van 10 % van die inhoud van die houer. Gooi die spoelwater by die inhoud van die spuittenk.
- Vernietig die leë houer en moet dit nie vir enige ander doel gebruik nie.

BESTANDHEIDSWAARSKUWING:

Simanex 500 SC is 'n groepkode C 1 onkruidodder. Enige populasie van 'n spesifieke onkruid mag individue insluit wat 'n natuurlike weerstand teen Simanex 500 SC of enige ander groepkode C 1 onkruidodders het. Indien hierdie onkruidodders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruid sal waarskynlik nie deur Simanex 500 SC of enige ander groepkode C 1 onkruidodder beheer word nie. Om weerstand teen onkruidodders te vertraag:

- 1) Vermyn die eksklusiewe herhaaldelike gebruik van onkruidodders met dieselfde groepkode. Wissel af met of gebruik tenkengsels van produkte in verskillende onkruidodder groepkodes.

- 2) Integreer ander beheermaatreëls (Chemies, verbouing en biologies) in onkruidodder programme.

Vir spesifieke inligting oor weerstandsbestuur kontak u plaaslike verspreider.

Gebruiksbeperkings:

- Moet nie **TYLSIMEX 500 SC** toedien in steenvrugte of pere nie.
- Moet nie **TYLSIMEX 500 SC** toedien in appelbome, wingerde en sitrus binne een jaar na uitplant nie. Moet nie jong inplantings in gevestigde wingerde en boorde behandel nie.
- Moet nie **TYLSIMEX 500 SC** toedien in appelbome, sitrus of wingerde met 'n spoorelementtekort of wat op brakgronde groei nie.
- Moet nie **TYLSIMEX 500 SC** toedien op alkaliese gronde en/of gronde wat aan versuiptoestande onderhewig is nie.
- **TYLSIMEX 500 SC** het 'n relatiewe lang nawerking in die grond en gevoelige gewasse soos groente, peulplante en kleingraan moet nie geplant word op gronde wat minder as 18 maande gelede daarmee behandel is nie. Indien 'n toedieningshoeveelheid van 2,0 l **TYLSIMEX 500 SC** nie oorskry word nie (1,0 kg a.b totale triasiene) en ten minste 'n normale reënval voorgekom het gedurende die groeiseisoen, mag die wagperiode tussen die laaste toediening en die plant van kleingraan in die Winterreënvalgebied verminder word na 12 maande
- **TYLSIMEX 500 SC** mag ALLEENLIK op triasiene bestande Kanola kultivars toegedien word vir die hoofsaaklike beheer van breëblaaronkruid.
- Indien **TYLSIMEX 500 SC** in 'n tenkmengsel met **GLYPHOGAN 360 SL** (Reg no. L5393), **SULTAN 50 SC** (Reg no L 6892) of enige ander onkruidodder toegedien word, moet die gebruiksbeperkings van daardie middels in ag geneem word.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

Verenigbaarheid:

TYLSIMEX 500 SC is verenigbaar met **GLYPHOGAN 360 SL** (Reg no. L5393) en **SULTAN 50 SC** (Reg No L 6892). Die verenigbaarheid van **TYLSIMEX 500 SC** met ander produkte kan egter beïnvloed word deur die formulering van die betrokke produkte asook deur die kwaliteit van die verdunningswater. Aangesien die formulering van ander produkte kan verander sonder die medewete van die registrasiehouer en die kwaliteit van verdunningswater van plaas tot plaas kan verskil, kan die registrasiehouer geen verantwoordelikheid aanvaar vir die verenigbaarheid van **TYLSIMEX 500 SC** met produkte wat nie op die etiket aangedui is nie.

Gevolgtlik word aanbeveel dat 'n fisiese verenigbaarheidstoets met sulke produkte uitgevoer word voordat toediening begin.

Menginstruksies:

Skud goed voor gebruik. Plaas skroefdop terug na gebruik.

Maak die spuitnek halfvol met skoon water en skakel die roermeganisme aan. Voeg die benodigde hoeveelheid **TYLSIMEX 500 SC** deur 'n 50 maas sif by terwyl geroer word. Vul die tenk verder met water terwyl geroer word. Wanneer **TYLSIMEX 500 SC** in 'n tenkmengsel met **GLYPHOGAN 360 SL** gebruik word, moet **TYLSIMEX 500 SC** laaste bygevoeg word. Wanneer **SULTAN 50 SC** in 'n tenkmengsel met **Tylsimex 500 SC** gebruik

word moet die Tylsimex eerste bygevoeg word. Die spuittenk word dan amper tot bo volgemaak voordat die Sultan 50 SC in die spuittenk bygevoeg word. Verseker dat die spuitmengsel aanhoudend groer word tydens vulling en toediening.

Toediening:

TYLSIMEX 500 SC kan met enige medium- of hoëvolume spuitapparaat wat met 'n doeltreffende roermeganisme toegerus is, toegedien word. Verseker dat die spuitmengsel eweredig oor die teikengebied versprei word. Die beste resultate word normaalweg verkry deur gebruik te maak van platwaaierspuitpunte en 'n spuitvolume van ten minste 200 ℓ / ha. Die saadbed moet gelyk, fyn en sonder kluite en sonder oormatige plantreste en bestaande onkruid wees.

TYLSIMEX 500 SC word hoofsaaklik opgeneem deur die wortels van onkruidsaailinge en het min of geen effek op gevestigde onkruid nie. Aanhoudende reën of besproeiing van ten minste 10 mm is nodig om die **TYLSIMEX 500 SC** in die grond in te loog.

Waar onkruid alreeds opgekom het, moet dit eers vernietig word met 'n skoffelbewerking of deur middel van toediening van 'n geskikte na-opkomonkruidodder.

Indien onkruid alreeds teenwoordig is tydens toediening, kan **TYLSIMEX 500 SC** in 'n tenkmengsel saam met GLYPHOGAN 360 SL of 'n ander geskikte kontakonkruidodder toegedien word.

Toedieningshoeveelhede:

GEWAS	TOEDIENINGS-HOEVEELHEID	OPMERKINGS
APPELS	4,7 ℓ / ha	Dien in die lente as 'n vooropkom behandeling toe.
KANOLA (ALLEENLIK triasien weerstandbiedende kultivars)	2,0 ℓ + 250 ml SULTAN 50 SC / ha	Dien vooropkom van onkruid net na plant toe as reën verwag word. Aanhoudende reën of besproeiing van ten minste 10 mm is nodig om die TYLSIMEX 500 SC en die SULTAN 50 SC in die grond te loog.
SITRUS	4,7 ℓ / ha	Dien in die lente as 'n vooropkom behandeling toe.
WINGERD	Droë land en besproeide bosstokke 4,7 ℓ / ha	Dien as 'n vooropkom toediening voor bot toe. Vir verbeterde en verlengde beheer van eenjarige grasse, veral <i>Digitaria sanguinalis</i> , kan SULTAN 50 SC teen 500 ml / ha in tenkmengsel met TYLSIMEX 500 SC gebruik word.
	Besproeide opgeleide wingerd 4,7 ℓ / ha	Dien as 'n vooropkom toediening in die vroeë lente toe. Vir verbeterde en verlengde beheer van eenjarige grasse, veral <i>Digitaria sanguinalis</i> SULTAN 50 SC teen 500 ml / ha in 'n tenkmengsel met TYLSIMEX 500 SC gebruik word.

Indien strookbespuitings gedoen word, moet toedieningshoeveelhede ooreenkomstig verminder word.

Weeds controlled at / Onkruid wat beheer word teen 4,7 l Tylsimex 500 SC / ha:

Broadleaf weeds / Breëblaaronkruid:

Botanical name / Botaniese naam	Common name	Gewone naam
<i>Acanthospermum australe</i>	Eight-seeded prostrate starbur	Agtsadige kruipsterklits
<i>Acanthospermum hispidum</i>	Upright starbur	Regopsterklits
<i>Amaranthus hybridus</i>	Cape pigweed	Kaapse misbredie
<i>Amaranthus spinosus</i>	Thorny pigweed	Doringmisbredie
<i>Amaranthus thunbergii</i>	Red pigweed	Rooimisbredie
<i>Anagallis arvensis</i>	Pimpernel	Pimpernel
<i>Arctotheca calendula</i>	Cape marigold	Soetgousblom
<i>Bidens bipinnata</i>	Spanish black jack	Spaanse knapsekêrel
<i>Bidens pilosa</i>	Black jack	Knapsekêrel
<i>Chenopodium album</i>	White goosefoot	Withondebossie
<i>Chenopodium carinatum</i>	Green goosefoot	Groen hondebossie
<i>Conyza floribunda</i>	Tall fleabane	Vaalskraalhans
<i>Conyza canadensis</i>	Horseweed fleabane	Kanadese skraalhans
<i>Datura ferox</i>	Large thorn apple	Grootstinkblaar
<i>Datura stammonium</i>	Thorn apple	Stinkblaar
<i>Emex australis</i>	Spiny Emex	Kaapse dubbeltjie
<i>Fumaria muralis</i>	Fumitory	Duiwekerwel
<i>Erodium maschatum</i>	Musk heron's bill	Turknael
<i>Galingsoga parviflora</i>	Gallant soldier	Knopkruid
<i>Oenothera stricta</i>	Evening primrose	Aandblom
<i>Portulaca oleracea</i>	Purslane	Porslein
<i>Raphanus raphanistrum</i>	Wild radish	Ramenas
<i>Schkuhria pinnata</i>	Dwarf marigold	Kleinkakiebos
<i>Sonchus oleraceus</i>	Sowthistle	Sydissel
<i>Stellaria media</i>	Chickweed	Sterremuur
<i>Tagetes minuta</i>	Khaki weed	Kakiebos

Grasses / Grasse:

Botanical name / Botaniese naam	Common name	Gewone naam
<i>Avena fatua</i>	Common wild oats	Gewone wildehawer
<i>Bromus unioloides</i>	Rescue grass	Reddingsgras
<i>Chloris virgata</i>	Feathertop Chloris	Witpluimchloris
<i>Digitaria sanguinalis</i>	Crab finger-grass	Kruisvingergras
<i>Eleusine indica</i>	Goosegrass	Jongosgras
<i>Eragrostis teff</i>	Teffgrass	Tef
<i>Lolium temulentum</i>	Darnel (ryegrass)	Drabok (raaigras)
<i>Setaria pallide-fusca</i>	Red bristle grass	Rooi borselgras
<i>Urochloa panicoides</i>	Herringbone grass	Beesgras

Weeds controlled at / Onkruid wat normaalweg beheer word teen 2,0 l Tylsimex 500 SC / ha:

Botanical name / Botaniese naam	Common name	Gewone naam
<i>Anagallis arvensis</i>	Pimpernel	Pimpernel
<i>Emex australis</i>	Spiny Emex	Kaapse dubbeltjie
<i>Erodium moschatum</i>	Musk heron's bill	Turknael
<i>Fumaria muralis</i>	Fumitory	Duiwekerwel
<i>Raphanus raphanistrum</i>	Wild radish	Ramenas
* <i>Lolium spp</i>	Annual ryegrass spp	Eenjarige raaigras

- * Control might be erratic with TYLSIMEX 500 SC on its own.
Use in a program with TRFILUREX 480 EC as is indicated on latter's label
- * Beheer mag wisselvallig wees met slegs TYLSIMEX 500 SC. Gebruik in 'n program met TRIFLUREX 480 EC soos op laasgenoemde se etiket aangedui is.