TYLSIMEX 500 SC

Reg. no. L6805 Act/Wet 36 of/van 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 vooropkomsonkruid-doder vir die beheer van ‘n verskeidenheid eenjarige breëblaaronkruide en sekere grasse in appels, sitrus, wingerde en triasien-bestande kanolakultivars.

HRAC HERBICIDE GROUP CODE C1 HRAC ONKRUIDDODERGROEPKODE

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

Terbuthylazine (triazine) and related active triazines …………..	287 g/ℓ	Terbutilasien (triasien) ……….. en verwante aktiewe triasiene
Simazine (triazine) and related active triazines …………..	213 g/ℓ	Simasien (triasien) ………… en verwante aktiewe triasiene

NET VOLUME/NETTO VOLUME

…………… ℓ

REGISTRATION HOLDER/REGISTRASIEHOUER
ADAMA South Africa (Pty.) Ltd.
Reg. no. 1992/001741/07
21 Viben Street
7560 Brackenfell
T: +27 21 982 1460 F: +27 21 982 5810
infocpt@adama.com

TYLSIMEX is a trademark of a company of the ADAMA Group.
TYLSIMEX is ‘n handelsmerk van ‘n maatskappy van die ADAMA Groep.

CONTACT IN EMERGENCY/KONTAK IN NOOD
Griffon Poison Information Centre: +27 82 446 8946

Batch number	....	Lotnommer
Date of Manufacture	....	Datum van Vervaardiging

UN no.: 3082

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 C1 herbicide. Any weed population may contain individuals naturally resistant to **TYLSIMEX 500 SC** and other group code C1 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 C1 herbicides. 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 codes.
- 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.
- **TYLSIMEX 500 SC** may ONLY be applied to triazine-resistant canola cultivars for the control of mainly broad leaf weeds. **Contact an approved ADAMA advisor <u>before</u> applying TYLSIMEX 500 SC and SULTAN® 50 SC to canola.**
- 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.

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

Note: 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 500 SC** 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 AND TARGET	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. **Contact an approved ADAMA advisor before applying TYLSIMEX 500 SC and SULTAN® 50 SC to canola.**
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 *Digitaria sanguinalis*, 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 *Digitaria sanguinalis*, 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 doeletreffend 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 onkruide 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 kontaminasie 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 gekontamineerde 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.

WEERSTANDSWAARSKUWING

TYLSIMEX 500 SC is ‘n groepkode C1 onkruiddoder. Enige populasie van ‘n spesifieke onkruid mag individue insluit wat ‘n natuurlike weerstand teen **TYLSIMEX 500 SC** of enige ander groepkode C1 onkruiddoders het. Indien hierdie onkruiddoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die onkruidpopulasie oorheers. Hierdie weerstandbiedende onkruide sal waarskynlik nie deur **TYLSIMEX 500 SC** of enige ander groepkode C1 onkruiddoder beheer word nie. <u>Om weerstand teen onkruiddoders te vertraag</u>:

- Vermy die eksklusiewe herhaaldelike gebruik van onkruiddoders met dieselfde groepkode. Wissel af met of gebruik tenkmengsels van produkte in verskillende onkruiddoder groepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing en biologies) in onkruiddoder 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.i 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 triasien-bestande kanola-kultivars toegedien word vir die hoofsaaklike beheer van breëblaaronkruide. **Kontak 'n goedgekeurde ADAMA-adviseur voor die toediening van TYLSIMEX 500 SC en SULTAN® 50 SC op kanola.**
- Indien **TYLSIMEX 500 SC** in 'n tenkmengsel met GLYPHOGAN® 360 SL (Reg. no. L5393), SULTAN® 50 SC (Reg. no. L6892) of enige ander onkruiddoder 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 formulasie 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. Gevolglik word aanbeveel dat 'n fisiese verenigbaarheidstoets met sulke produkte uitgevoer word voordat toediening begin.

Menginstruksies

Nota: Skud goed voor gebruik. Plaas skroefdop terug na gebruik.

Maak die spuittenk 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 500 SC** 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 geroer 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, sonder kluite en sonder oormatige plantreste en bestaande onkruide wees.

TYLSIMEX 500 SC word hoofsaaklik opgeneem deur die wortels van onkruidsaailinge en het min of geen effek op gevestigde onkruide nie. Aanhoudende reën of besproeiing van ten minste 10 mm is nodig om die **TYLSIMEX 500 SC** in die grond in te loog. Waar onkruide alreeds opgekom het, moet dit eers vernietig word met 'n skoffelbewerking of deur middel van toediening van 'n geskikte na-opkomonkruiddoder. Indien onkruide alreeds teenwoordig is tydens toediening, kan **TYLSIMEX 500 SC** in 'n tenkmengsel saam met GLYPHOGAN® 360 SL of 'n ander geskikte kontakonkruiddoder toegedien word.

TOEDIENINGSHOEVEELHEDE

GEWAS EN TEIKEN	DOSIS	OPMERKINGS
Appels	4,7 ℓ/ha	Dien in die lente as 'n vooropkomsbehandeling toe.
Kanola (ALLEENLIK triasien-weerstandige kultivars)	2,0 ℓ + 250 ml SULTAN® 50 SC/ha	Dien voor opkoms van onkruide 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. **Kontak 'n goedgekeurde ADAMA-adviseur <u>voor</u> die toediening van TYLSIMEX 500 SC en SULTAN® 50 SC op kanola.**
Sitrus	4,7 ℓ/ha	Dien in die lente as 'n vooropkomsbehandeling 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 *Digitaria sanguinalis*, kan SULTAN® 50 SC teen 500 ml/ha in 'n tenkmengsel met **TYLSIMEX 500 SC** gebruik word.
	Besproeide en 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 *Digitaria sanguinalis*, kan 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/ONKRUIDE BEHEER

Broadleaf weeds/Breëblaaronkruide

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

Grasses/Grasse

BOTANICAL NAME/ BOTANIESE NAAM	**COMMON NAME**	**GEWONE NAAM**
Avena fatua	Common wild oats	Gewone wildehawer
Bromus unioloides	Rescue grass	Reddingsgras
Chloris virgata	Feathertop Chloris	Witpluimchloris
Digitaria sanguinalis	Crab finger-grass	Kruisvingergras
Eleusine indica	Goosegrass	Jongosgras
Eragrostis teff	Teffgrass	Tef
Lolium temulentum	Darnel (ryegrass)	Drabok (raaigras)
Setaria pallide-fusca	Red bristle grass	Rooi borselgras
Urochloa panicoides	Herringbone grass	Beesgras